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Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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Overview for Request: arf_mpl1r_wp001 (Report 1 of 2)

Request ID: arf_mpl1r_wp001_nsdv_v01

Request Description: In this report, we described patients with respiratory failure in the Sentinel Distributed Database (SDD) from the pre-COVID-19 era, the COVID-19 era, and both eras. This is report 1 of 2. In Report 2 we described patients with respiratory failure during only the pre-COVID-19 era and both eras.

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) tool, version 10.3.1.

Data Source: We distributed this request to 14 Sentinel Data Partners (DP) on July 12, 2021. This report includes results from the 9 of 14 Data Partners which had available data past December 31, 2019. This report contains data covering three study periods:

1. Prior to COVID-19 era (April 1, 2016 through December 31, 2019),
2. COVID-19 era (January 1, 2020 through April 30, 2021), and
3. Both eras (April 1, 2016 through April 30, 2021).

Please see Appendix A for a list of dates of available data for each Data Partner.

Study Design: We identified individuals with diagnoses of respiratory failure and treatments for respiratory failure among a cohort of patients of any age. This is a Type 1 analysis as described in the Query Request Package (QRP) documentation.

Cohort Eligibility Criteria: Ten cohorts of patients were identified based on the occurrence of the following cohort-defining index exposures/events (all qualifying occurrences):

1. **Respiratory failure during inpatient encounter:** Patients were included in this cohort if they had an acute, acute on chronic, or unspecified respiratory failure diagnosis that occurred during an inpatient encounter. Patients were further required to have a mechanical ventilation, extracorporeal membrane oxygen (ECMO), high-flow nasal cannula (HFNC), or continuous positive airway pressure (CPAP) procedure during that same inpatient encounter. Please see Appendix B for a list of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis and procedure codes and Appendix C for a list of Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology, Fourth Edition (CPT-4) codes used to define exposures in this request.
2. **Respiratory failure with intubation and mechanical ventilation during inpatient encounter:** Patients were included in this cohort if they had an acute, acute on chronic, or unspecified respiratory failure diagnosis that occurred during an inpatient encounter. Patients were further required to have a mechanical ventilation procedure and an intubation procedure during that same inpatient encounter.
3. **All respiratory failure codes:** Patients were included in this cohort if they were diagnosed with acute, acute on chronic, or unspecified respiratory failure in an inpatient or emergency department (ED) setting.
4. **Acute respiratory failure:** Patients were included in this cohort if they were diagnosed with acute respiratory failure in an inpatient or ED setting.
5. **Acute on chronic respiratory failure:** Patients were included in this cohort if they were diagnosed with acute on chronic respiratory failure in an inpatient or ED setting.
6. **Unspecified respiratory failure:** Patients were included in this cohort if they were diagnosed with unspecified respiratory failure in an inpatient or ED setting.
7. **All procedure codes:** Patients were included in this cohort if they had mechanical ventilation, ECMO, HFNC, or CPAP in an inpatient or ED setting.
8. **Mechanical ventilation with intubation [-1,1]:** Patients were included in this cohort if they had mechanical ventilation in an inpatient or ED setting. Patients were further required to have been intubated between one day prior and one day after their date of mechanical ventilation. Please see Appendix D for a list of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis and procedure codes and Appendix E for a list of Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology, Fourth Edition (CPT-4) codes used to define inclusion criteria in this request.

Overview for Request: arf_mpl1r_wp001 (Report 1 of 2)

9. CPAP: Patients were included in this cohort if they had CPAP in an inpatient or ED setting.

10. Mechanical ventilation only: Patients were included in this cohort if they had mechanical ventilation in an inpatient or ED setting.

In all ten cohorts, patients were required to have no evidence of their respective index-defining criteria in the previous 30 days; cohort re-entry was allowed. We included patients of all ages categorized into the following groups based on age at index date: 0-17 years, 18-39 years, 40-64 years, and 65+ years.

Baseline Characteristics: For all cohorts, we considered the following demographic characteristics on the index date: age, sex, race, and calendar year. We assessed the following characteristics on the index date, seven days prior to and seven days following index, and in the 183 days prior to index: alpha-1-antitrypsin deficiency, anaphylaxis, angioedema, aspiration of gastric contents, asthma, asthma exacerbation, bronchiectasis, cardiogenic risk factors, COVID-19, connective tissue rheumatic lung disease, chronic obstructive pulmonary disease (COPD), COPD exacerbation, congestive heart failure (CHF), cryptogenic organizing pneumonia (COP), cystic fibrosis, drowning, drug-induced interstitial lung disorders, hypersensitivity pneumonitis, interstitial lung diseases, idiopathic pulmonary fibrosis (IPF), influenza, non-specific interstitial pneumonitis (NSIP), other lung disorders, pancreatitis, pneumoconioses, pneumonia, pulmonary contusion, pulmonary embolism, radiation-associated pulmonary manifestations, sarcoidosis, sepsis, sickle-cell disease with acute chest syndrome, shock, transfusion, and trauma. We assessed the following respiratory failure characteristics from one day prior to and including index, and on the day prior to index: acute respiratory failure, acute on chronic respiratory failure, unspecified respiratory failure, acute or acute on chronic or unspecified respiratory failure, post-procedural respiratory failure, acute respiratory distress syndrome, intubation, mechanical ventilation, HFNC, ECMO, CPAP, mechanical ventilation and intubation, and mechanical ventilation or intubation or HFNC or CPAP or ECMO. We assessed Charlson/Elixhauser combined comorbidity score¹ and health services and drug utilization in the 183 days prior to and including the index date. Please see Appendix F for a list of ICD-10-CM diagnosis codes and Appendix G for a list of HCPCS and CPT-4 codes used to define baseline characteristics in this request.

Please see Appendices H - H.5 for the specifications of parameters used in this request.

Limitations: Algorithms to define exposures, inclusion, and exclusion criteria are imperfect and may result in misclassification. Therefore, data should be interpreted with this limitation in mind.

Notes: Please contact the Sentinel Operations Center (info@sentinelssystem.org) for questions and to provide comments/suggestions for future enhancements to this document. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinelssystem.org/projects/sentinel/repos/sentinel-routine-querying-tool-documentation/browse>).

¹Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759

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**Glossary of Terms for Analyses Using
Cohort Identification and Descriptive Analysis (CIDA) Module***

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

Blackout Period - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

Ambulatory Visit (AV) - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

Emergency Department (ED) - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

Inpatient Hospital Stay (IP) - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

Non-Acute Institutional Stay (IS) - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

Other Ambulatory Visit (OA) - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

Charlson/Elixhauser Combined Comorbidity Score - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

Code Days - the minimum number of times the diagnosis must be found during the evaluation period in order to fulfill the algorithm to identify the corresponding patient characteristic.

Cohort Definition (drug/exposure) - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

Computed Start Marketing Date - represents the first observed dispensing date among all valid users within a GROUP (scenario) within each Data Partner site.

Days Supplied - number of days supplied for all dispensings in qualifying treatment episodes.

Eligible Members - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

Enrollment Gap - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

Episodes - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

Episode Gap - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

Event Deduplication - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

Exposure Episode Length - number of days after exposure initiation that is considered "exposed time."

Exposure Extension Period - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

Lookback Period - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

Maximum Episode Duration - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Member-Years - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

Minimum Days Supplied - specifies a minimum number of days in length of the days supplied for the episode to be considered.

Minimum Episode Duration - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Monitoring Period - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

Query Period - period in which the modular program looks for exposures and outcomes of interest.

Switch Evaluation Step Value - value used to differentiate evaluation step. Each switch pattern can support up to 2 evaluation steps (0 = switch pattern evaluation start; 1 = first evaluation; 2 = second evaluation).

Switch Gap Inclusion Indicator - indicator for whether gaps in treatment episodes that are included in a switch episode will be counted as part of the switch episode duration.

Switch Pattern Cohort Inclusion Date - indicates which date to use for inclusion into the switch pattern cohort of interest as well as optionally as the index date of the treatment episode initiating the switch pattern. Valid options are the product approval date, product marketing date, other requester defined date, or computed start marketing date.

Switch Pattern Cohort Inclusion Strategy - indicates how the switch pattern cohort inclusion date will be used: 01: used only as a switch cohort entry date. First treatment episode dispensing date is used as index for computing time to first switch; 02: used as switch cohort entry date and as initial switch step index date for computing time to first switch.

Treatment Episode Truncation Indicator - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

Washout Period (drug/exposure) - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

Washout Period (event/outcome) - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

*all terms may not be used in this report

Table 1a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	1,732,565	
Number of unique patients	1,452,685	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.9	13.5
Age (Years)	Number	Percent
0-17	6,158	0.4%
18-39	45,620	2.6%
40-64	411,807	23.8%
65+	1,268,980	73.2%
Sex		
Female	744,082	51.2%
Male	708,603	48.8%
Race		
Unknown	160,713	11.1%
American Indian or Alaska Native	9,578	0.7%
Asian	27,925	1.9%
Black or African American	201,771	13.9%
Native Hawaiian or Other Pacific Islander	2,035	0.1%
White	1,050,663	72.3%
Ethnicity		
Hispanic Origin	35,711	2.5%
Year		
2016	324,850	18.7%
2017	464,392	26.8%
2018	465,904	26.9%
2019	477,419	27.6%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	1,596	0.1%
Anaphylaxis [0,0]	4,805	0.3%
Angioedema [0,0]	8,409	0.5%
Aspiration of gastric contents [0,0]	294,667	17.0%
Asthma [0,0]	79,629	4.6%
Asthma exacerbation [0,0]	33,575	1.9%
Bronchiectasis [0,0]	15,444	0.9%
Cardiogenic risk factors [0,0]	858,098	49.5%
Covid-19 [0,0]	2,419	0.1%
Connective tissue rheumatic lung disease [0,0]	1,103	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	352,933	20.4%
COPD exacerbation [0,0]	484,135	27.9%
Congestive heart failure (CHF) [0,0]	908,991	52.5%
Cryptogenic organizing pneumonia [0,0]	1,036	0.1%
Cystic fibrosis [0,0]	1,182	0.1%
Drowning [0,0]	261	0.0%
Drug-induced interstitial lung disorders [0,0]	1,697	0.1%

Table 1a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	1,135	0.1%
Interstitial lung diseases [0,0]	26,284	1.5%
Idiopathic pulmonary fibrosis [0,0]	7,495	0.4%
Influenza [0,0]	36,399	2.1%
Non-specific interstitial pneumonitis [0,0]	190	0.0%
Other lung disorders [0,0]	527,392	30.4%
Pancreatitis [0,0]	25,075	1.4%
Pneumoconioses [0,0]	4,395	0.3%
Pneumonia [0,0]	637,443	36.8%
Pulmonary contusion [0,0]	7,403	0.4%
Pulmonary embolism [0,0]	47,942	2.8%
Radiation-associated pulmonary manifestations [0,0]	2,128	0.1%
Sarcoidosis [0,0]	7,493	0.4%
Sepsis [0,0]	645,580	37.3%
Sickle-cell disease with acute chest syndrome [0,0]	394	0.0%
Shock [0,0]	471,572	27.2%
Transfusion [0,0]	228,012	13.2%
Trauma [0,0]	111,083	6.4%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	1,639	0.1%
Anaphylaxis [-7,7]	4,967	0.3%
Angioedema [-7,7]	8,625	0.5%
Aspiration of gastric contents [-7,7]	303,709	17.5%
Asthma [-7,7]	86,974	5.0%
Asthma exacerbation [-7,7]	34,865	2.0%
Bronchiectasis [-7,7]	16,214	0.9%
Cardiogenic risk factors [-7,7]	876,286	50.6%
Covid-19 [-7,7]	2,552	0.1%
Connective tissue rheumatic lung disease [-7,7]	1,191	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	383,325	22.1%
COPD exacerbation [-7,7]	495,365	28.6%
Congestive heart failure (CHF) [-7,7]	926,898	53.5%
Cryptogenic organizing pneumonia [-7,7]	1,107	0.1%
Cystic fibrosis [-7,7]	1,205	0.1%
Drowning [-7,7]	266	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,832	0.1%
Hypersensitivity pneumonitis [-7,7]	1,214	0.1%
Interstitial lung diseases [-7,7]	28,001	1.6%
Idiopathic pulmonary fibrosis [-7,7]	7,875	0.5%
Influenza [-7,7]	37,799	2.2%
Non-specific interstitial pneumonitis [-7,7]	207	0.0%
Other lung disorders [-7,7]	552,698	31.9%
Pancreatitis [-7,7]	26,391	1.5%
Pneumoconioses [-7,7]	4,630	0.3%
Pneumonia [-7,7]	658,209	38.0%

Table 1a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	7,585	0.4%
Pulmonary embolism [-7,7]	50,483	2.9%
Radiation-associated pulmonary manifestations [-7,7]	2,248	0.1%
Sarcoidosis [-7,7]	7,685	0.4%
Sepsis [-7,7]	663,169	38.3%
Sickle-cell disease with acute chest syndrome [-7,7]	426	0.0%
Shock [-7,7]	488,871	28.2%
Transfusion [-7,7]	241,390	13.9%
Trauma [-7,7]	121,085	7.0%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	1,159	0.1%
Anaphylaxis [-183,-1]	1,352	0.1%
Angioedema [-183,-1]	3,234	0.2%
Aspiration of gastric contents [-183,-1]	72,109	4.2%
Asthma [-183,-1]	100,813	5.8%
Asthma exacerbation [-183,-1]	28,068	1.6%
Bronchiectasis [-183,-1]	11,734	0.7%
Cardiogenic risk factors [-183,-1]	497,037	28.7%
Covid-19 [-183,-1]	1,749	0.1%
Connective tissue rheumatic lung disease [-183,-1]	865	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	373,064	21.5%
COPD exacerbation [-183,-1]	291,741	16.8%
Congestive heart failure (CHF) [-183,-1]	523,930	30.2%
Cryptogenic organizing pneumonia (COP) [-183,-1]	543	0.0%
Cystic fibrosis [-183,-1]	1,014	0.1%
Drowning [-183,-1]	12	0.0%
Drug-induced interstitial lung disorders [-183,-1]	839	0.0%
Hypersensitivity pneumonitis [-183,-1]	653	0.0%
Interstitial lung diseases [-183,-1]	17,802	1.0%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	4,480	0.3%
Influenza [-183,-1]	20,335	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	100	0.0%
Other lung disorders [-183,-1]	248,207	14.3%
Pancreatitis [-183,-1]	19,201	1.1%
Pneumoconioses [-183,-1]	2,867	0.2%
Pneumonia [-183,-1]	288,154	16.6%
Pulmonary contusion [-183,-1]	1,131	0.1%
Pulmonary embolism [-183,-1]	22,817	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	1,511	0.1%
Sarcoidosis [-183,-1]	6,054	0.3%
Sepsis [-183,-1]	205,700	11.9%
Sickle-cell disease with acute chest syndrome [-183,-1]	276	0.0%
Shock [-183,-1]	70,867	4.1%
Transfusion [-183,-1]	124,747	7.2%
Trauma [-183,-1]	124,903	7.2%

Table 1a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	1,124,627	64.9%
Acute on chronic respiratory failure [-1,0]	483,869	27.9%
Unspecified respiratory failure [-1,0]	208,282	12.0%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,591,995	91.9%
Post-procedural respiratory failure [-1,0]	42,538	2.5%
Acute respiratory distress syndrome [-1,0]	34,442	2.0%
Intubation [-1,0]	868,566	50.1%
Mechanical ventilation [-1,0]	1,073,914	62.0%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	6,475	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	704,665	40.7%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,677,288	96.8%
Mechanical ventilation and intubation [-1,0]	861,566	49.7%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	60,842	3.5%
Acute on chronic respiratory failure in ED [-1,0]	12,498	0.7%
Unspecified respiratory failure in ED [-1,0]	24,595	1.4%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	94,952	5.5%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	8,277	0.5%
Acute on chronic respiratory failure [-1,-1]	1,930	0.1%
Unspecified respiratory failure [-1,-1]	3,695	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	13,523	0.8%
Post-procedural respiratory failure [-1,-1]	30	0.0%
Acute respiratory distress syndrome [-1,-1]	504	0.0%
Intubation [-1,-1]	14,849	0.9%
Mechanical ventilation [-1,-1]	5,415	0.3%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	4,780	0.3%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	20,142	1.2%
Mechanical ventilation and intubation [-1,-1]	3,880	0.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	8,070	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	1,831	0.1%
Unspecified respiratory failure in ED [-1,-1]	3,647	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	13,194	0.8%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ² [-183,0]	7.5	3.6

Table 1a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.4	23.2
Mean number of emergency room encounters	1.2	2.2
Mean number of inpatient hospital encounters	2	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	18.2	24.6
Mean number of unique drug classes	10.9	5.9
Mean number of generics	11.8	6.7
Mean number of filled prescriptions	33.8	28.8

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	927,989	
Number of unique patients	858,177	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.7	13.4
Age (Years)	Number	Percent
0-17	2,613	0.3%
18-39	29,679	3.2%
40-64	240,572	25.9%
65+	655,125	70.6%
Sex		
Female	423,401	49.3%
Male	434,776	50.7%
Race		
Unknown	98,935	11.5%
American Indian or Alaska Native	6,040	0.7%
Asian	17,203	2.0%
Black or African American	134,237	15.6%
Native Hawaiian or Other Pacific Islander	1,195	0.1%
White	600,567	70.0%
Ethnicity		
Hispanic Origin	22,802	2.7%
Year		
2016	183,133	19.7%
2017	253,730	27.3%
2018	246,723	26.6%
2019	244,403	26.3%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	683	0.1%
Anaphylaxis [0,0]	3,882	0.4%
Angioedema [0,0]	7,493	0.8%
Aspiration of gastric contents [0,0]	204,335	22.0%
Asthma [0,0]	39,566	4.3%
Asthma exacerbation [0,0]	11,434	1.2%
Bronchiectasis [0,0]	6,612	0.7%
Cardiogenic risk factors [0,0]	410,153	44.2%
Covid-19 [0,0]	1,083	0.1%
Connective tissue rheumatic lung disease [0,0]	552	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	176,893	19.1%
COPD exacerbation [0,0]	188,890	20.4%
Congestive heart failure (CHF) [0,0]	442,841	47.7%
Cryptogenic organizing pneumonia [0,0]	566	0.1%
Cystic fibrosis [0,0]	532	0.1%
Drowning [0,0]	144	0.0%

Table 1b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Drug-induced interstitial lung disorders [0,0]	755	0.1%
Hypersensitivity pneumonitis [0,0]	475	0.1%
Interstitial lung diseases [0,0]	12,454	1.3%
Idiopathic pulmonary fibrosis [0,0]	2,839	0.3%
Influenza [0,0]	18,734	2.0%
Non-specific interstitial pneumonitis [0,0]	90	0.0%
Other lung disorders [0,0]	300,435	32.4%
Pancreatitis [0,0]	18,031	1.9%
Pneumoconioses [0,0]	2,215	0.2%
Pneumonia [0,0]	357,495	38.5%
Pulmonary contusion [0,0]	5,142	0.6%
Pulmonary embolism [0,0]	29,508	3.2%
Radiation-associated pulmonary manifestations [0,0]	970	0.1%
Sarcoidosis [0,0]	3,460	0.4%
Sepsis [0,0]	427,102	46.0%
Sickle-cell disease with acute chest syndrome [0,0]	280	0.0%
Shock [0,0]	362,822	39.1%
Transfusion [0,0]	150,794	16.2%
Trauma [0,0]	76,701	8.3%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	711	0.1%
Anaphylaxis [-7,7]	3,990	0.4%
Angioedema [-7,7]	7,631	0.8%
Aspiration of gastric contents [-7,7]	210,828	22.7%
Asthma [-7,7]	43,369	4.7%
Asthma exacerbation [-7,7]	11,972	1.3%
Bronchiectasis [-7,7]	7,023	0.8%
Cardiogenic risk factors [-7,7]	420,861	45.4%
Covid-19 [-7,7]	1,148	0.1%
Connective tissue rheumatic lung disease [-7,7]	607	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	190,576	20.5%
COPD exacerbation [-7,7]	194,910	21.0%
Congestive heart failure (CHF) [-7,7]	453,306	48.8%
Cryptogenic organizing pneumonia [-7,7]	616	0.1%
Cystic fibrosis [-7,7]	546	0.1%
Drowning [-7,7]	148	0.0%
Drug-induced interstitial lung disorders [-7,7]	824	0.1%
Hypersensitivity pneumonitis [-7,7]	511	0.1%
Interstitial lung diseases [-7,7]	13,344	1.4%
Idiopathic pulmonary fibrosis [-7,7]	3,011	0.3%
Influenza [-7,7]	19,510	2.1%
Non-specific interstitial pneumonitis [-7,7]	97	0.0%
Other lung disorders [-7,7]	314,880	33.9%
Pancreatitis [-7,7]	18,899	2.0%
Pneumoconioses [-7,7]	2,332	0.3%

Table 1b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pneumonia [-7,7]	369,815	39.9%
Pulmonary contusion [-7,7]	5,250	0.6%
Pulmonary embolism [-7,7]	31,145	3.4%
Radiation-associated pulmonary manifestations [-7,7]	1,019	0.1%
Sarcoidosis [-7,7]	3,571	0.4%
Sepsis [-7,7]	438,686	47.3%
Sickle-cell disease with acute chest syndrome [-7,7]	304	0.0%
Shock [-7,7]	375,710	40.5%
Transfusion [-7,7]	159,331	17.2%
Trauma [-7,7]	82,635	8.9%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	519	0.1%
Anaphylaxis [-183,-1]	776	0.1%
Angioedema [-183,-1]	2,011	0.2%
Aspiration of gastric contents [-183,-1]	37,438	4.0%
Asthma [-183,-1]	50,541	5.4%
Asthma exacerbation [-183,-1]	11,306	1.2%
Bronchiectasis [-183,-1]	4,922	0.5%
Cardiogenic risk factors [-183,-1]	235,726	25.4%
Covid-19 [-183,-1]	788	0.1%
Connective tissue rheumatic lung disease [-183,-1]	435	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	173,310	18.7%
COPD exacerbation [-183,-1]	119,053	12.8%
Congestive heart failure (CHF) [-183,-1]	250,786	27.0%
Cryptogenic organizing pneumonia (COP) [-183,-1]	262	0.0%
Cystic fibrosis [-183,-1]	449	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	405	0.0%
Hypersensitivity pneumonitis [-183,-1]	275	0.0%
Interstitial lung diseases [-183,-1]	7,961	0.9%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	1,793	0.2%
Influenza [-183,-1]	9,740	1.0%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	56	0.0%
Other lung disorders [-183,-1]	121,718	13.1%
Pancreatitis [-183,-1]	12,204	1.3%
Pneumoconioses [-183,-1]	1,284	0.1%
Pneumonia [-183,-1]	137,687	14.8%
Pulmonary contusion [-183,-1]	594	0.1%
Pulmonary embolism [-183,-1]	12,237	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	680	0.1%
Sarcoidosis [-183,-1]	2,900	0.3%
Sepsis [-183,-1]	110,651	11.9%
Sickle-cell disease with acute chest syndrome [-183,-1]	187	0.0%
Shock [-183,-1]	39,902	4.3%

Table 1b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Transfusion [-183,-1]	68,290	7.4%
Trauma [-183,-1]	68,982	7.4%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	679,800	73.3%
Acute on chronic respiratory failure [-1,0]	182,774	19.7%
Unspecified respiratory failure [-1,0]	134,739	14.5%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	857,063	92.4%
Post-procedural respiratory failure [-1,0]	24,667	2.7%
Acute respiratory distress syndrome [-1,0]	25,609	2.8%
Intubation [-1,0]	872,389	94.0%
Mechanical ventilation [-1,0]	898,582	96.8%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	3,126	0.3%
Continuous positive airway pressure (CPAP) [-1,0]	104,162	11.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	903,915	97.4%
Mechanical ventilation and intubation [-1,0]	870,091	93.8%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	34,049	3.7%
Acute on chronic respiratory failure in ED [-1,0]	4,359	0.5%
Unspecified respiratory failure in ED [-1,0]	15,001	1.6%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	51,488	5.5%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	3,163	0.3%
Acute on chronic respiratory failure [-1,-1]	605	0.1%
Unspecified respiratory failure [-1,-1]	1,323	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	4,940	0.5%
Post-procedural respiratory failure [-1,-1]	10	0.0%
Acute respiratory distress syndrome [-1,-1]	200	0.0%
Intubation [-1,-1]	5,534	0.6%
Mechanical ventilation [-1,-1]	1,564	0.2%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	1,548	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	7,150	0.8%
Mechanical ventilation and intubation [-1,-1]	1,135	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	3,007	0.3%
Acute on chronic respiratory failure in ED [-1,-1]	533	0.1%
Unspecified respiratory failure in ED [-1,-1]	1,299	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	4,706	0.5%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.6

Table 1b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.8	24.1
Mean number of emergency room encounters	1.2	2.3
Mean number of inpatient hospital encounters	2	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	17.1	23.1
Mean number of unique drug classes	10.4	5.9
Mean number of generics	11.3	6.6
Mean number of filled prescriptions	31.9	27.4

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	4,398,985	
Number of unique patients	3,168,236	
Demographics	Mean	Standard Deviation
Mean Age (Years)	72.9	13.4
Age (Years)	Number	Percent
0-17	15,614	0.4%
18-39	87,121	2.0%
40-64	889,058	20.2%
65+	3,407,192	77.5%
Sex		
Female	1,717,186	54.2%
Male	1,451,050	45.8%
Race		
Unknown	379,460	12.0%
American Indian or Alaska Native	19,218	0.6%
Asian	48,994	1.5%
Black or African American	333,809	10.5%
Native Hawaiian or Other Pacific Islander	4,347	0.1%
White	2,382,408	75.2%
Ethnicity		
Hispanic Origin	63,909	2.0%
Year		
2016	770,348	17.5%
2017	1,166,353	26.5%
2018	1,208,941	27.5%
2019	1,253,343	28.5%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	4,703	0.1%
Anaphylaxis [0,0]	6,490	0.1%
Angioedema [0,0]	9,441	0.2%
Aspiration of gastric contents [0,0]	544,626	12.4%
Asthma [0,0]	213,299	4.8%
Asthma exacerbation [0,0]	118,811	2.7%
Bronchiectasis [0,0]	53,995	1.2%
Cardiogenic risk factors [0,0]	2,158,420	49.1%
Covid-19 [0,0]	7,327	0.2%
Connective tissue rheumatic lung disease [0,0]	3,241	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	905,054	20.6%
COPD exacerbation [0,0]	1,430,260	32.5%
Congestive heart failure (CHF) [0,0]	2,270,703	51.6%
Cryptogenic organizing pneumonia [0,0]	2,760	0.1%
Cystic fibrosis [0,0]	3,692	0.1%
Drowning [0,0]	325	0.0%
Drug-induced interstitial lung disorders [0,0]	5,281	0.1%

Table 1c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	3,812	0.1%
Interstitial lung diseases [0,0]	78,573	1.8%
Idiopathic pulmonary fibrosis [0,0]	24,313	0.6%
Influenza [0,0]	124,316	2.8%
Non-specific interstitial pneumonitis [0,0]	533	0.0%
Other lung disorders [0,0]	1,261,465	28.7%
Pancreatitis [0,0]	47,123	1.1%
Pneumoconioses [0,0]	11,048	0.3%
Pneumonia [0,0]	1,607,801	36.5%
Pulmonary contusion [0,0]	11,026	0.3%
Pulmonary embolism [0,0]	140,501	3.2%
Radiation-associated pulmonary manifestations [0,0]	6,889	0.2%
Sarcoidosis [0,0]	20,478	0.5%
Sepsis [0,0]	1,262,471	28.7%
Sickle-cell disease with acute chest syndrome [0,0]	1,320	0.0%
Shock [0,0]	639,872	14.5%
Transfusion [0,0]	354,177	8.1%
Trauma [0,0]	191,797	4.4%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	4,830	0.1%
Anaphylaxis [-7,7]	6,748	0.2%
Angioedema [-7,7]	9,834	0.2%
Aspiration of gastric contents [-7,7]	557,058	12.7%
Asthma [-7,7]	231,963	5.3%
Asthma exacerbation [-7,7]	122,589	2.8%
Bronchiectasis [-7,7]	55,989	1.3%
Cardiogenic risk factors [-7,7]	2,197,003	49.9%
Covid-19 [-7,7]	7,622	0.2%
Connective tissue rheumatic lung disease [-7,7]	3,429	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	987,812	22.5%
COPD exacerbation [-7,7]	1,457,520	33.1%
Congestive heart failure (CHF) [-7,7]	2,309,697	52.5%
Cryptogenic organizing pneumonia [-7,7]	2,887	0.1%
Cystic fibrosis [-7,7]	3,761	0.1%
Drowning [-7,7]	332	0.0%
Drug-induced interstitial lung disorders [-7,7]	5,557	0.1%
Hypersensitivity pneumonitis [-7,7]	3,983	0.1%
Interstitial lung diseases [-7,7]	82,685	1.9%
Idiopathic pulmonary fibrosis [-7,7]	25,192	0.6%
Influenza [-7,7]	127,922	2.9%
Non-specific interstitial pneumonitis [-7,7]	562	0.0%
Other lung disorders [-7,7]	1,311,824	29.8%
Pancreatitis [-7,7]	49,565	1.1%
Pneumoconioses [-7,7]	11,620	0.3%
Pneumonia [-7,7]	1,650,777	37.5%

Table 1c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	11,368	0.3%
Pulmonary embolism [-7,7]	145,216	3.3%
Radiation-associated pulmonary manifestations [-7,7]	7,178	0.2%
Sarcoidosis [-7,7]	20,992	0.5%
Sepsis [-7,7]	1,290,002	29.3%
Sickle-cell disease with acute chest syndrome [-7,7]	1,400	0.0%
Shock [-7,7]	656,720	14.9%
Transfusion [-7,7]	374,841	8.5%
Trauma [-7,7]	213,958	4.9%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	3,016	0.1%
Anaphylaxis [-183,-1]	2,801	0.1%
Angioedema [-183,-1]	6,554	0.1%
Aspiration of gastric contents [-183,-1]	160,628	3.7%
Asthma [-183,-1]	246,616	5.6%
Asthma exacerbation [-183,-1]	72,963	1.7%
Bronchiectasis [-183,-1]	33,593	0.8%
Cardiogenic risk factors [-183,-1]	1,204,157	27.4%
Covid-19 [-183,-1]	4,395	0.1%
Connective tissue rheumatic lung disease [-183,-1]	2,260	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	957,845	21.8%
COPD exacerbation [-183,-1]	743,809	16.9%
Congestive heart failure (CHF) [-183,-1]	1,273,347	28.9%
Cryptogenic organizing pneumonia (COP) [-183,-1]	1,435	0.0%
Cystic fibrosis [-183,-1]	3,058	0.1%
Drowning [-183,-1]	13	0.0%
Drug-induced interstitial lung disorders [-183,-1]	2,125	0.0%
Hypersensitivity pneumonitis [-183,-1]	1,714	0.0%
Interstitial lung diseases [-183,-1]	48,186	1.1%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	12,478	0.3%
Influenza [-183,-1]	53,909	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	298	0.0%
Other lung disorders [-183,-1]	623,377	14.2%
Pancreatitis [-183,-1]	41,633	0.9%
Pneumoconioses [-183,-1]	7,142	0.2%
Pneumonia [-183,-1]	715,608	16.3%
Pulmonary contusion [-183,-1]	2,848	0.1%
Pulmonary embolism [-183,-1]	58,728	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	3,966	0.1%
Sarcoidosis [-183,-1]	14,569	0.3%
Sepsis [-183,-1]	462,554	10.5%
Sickle-cell disease with acute chest syndrome [-183,-1]	938	0.0%
Shock [-183,-1]	148,057	3.4%
Transfusion [-183,-1]	258,673	5.9%
Trauma [-183,-1]	294,555	6.7%

Table 1c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	2,968,861	67.5%
Acute on chronic respiratory failure [-1,0]	1,358,267	30.9%
Unspecified respiratory failure [-1,0]	443,813	10.1%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	4,398,985	100.0%
Post-procedural respiratory failure [-1,0]	31,025	0.7%
Acute respiratory distress syndrome [-1,0]	41,433	0.9%
Intubation [-1,0]	853,324	19.4%
Mechanical ventilation [-1,0]	999,191	22.7%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	5,998	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	664,462	15.1%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,610,490	36.6%
Mechanical ventilation and intubation [-1,0]	803,545	18.3%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	201,451	4.6%
Acute on chronic respiratory failure in ED [-1,0]	69,571	1.6%
Unspecified respiratory failure in ED [-1,0]	58,741	1.3%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	323,942	7.4%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	0	0.0%
Acute on chronic respiratory failure [-1,-1]	0	0.0%
Unspecified respiratory failure [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	0	0.0%
Post-procedural respiratory failure [-1,-1]	105	0.0%
Acute respiratory distress syndrome [-1,-1]	1,055	0.0%
Intubation [-1,-1]	10,300	0.2%
Mechanical ventilation [-1,-1]	4,907	0.1%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	29	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	5,547	0.1%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	16,774	0.4%
Mechanical ventilation and intubation [-1,-1]	3,584	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	0	0.0%
Acute on chronic respiratory failure in ED [-1,-1]	0	0.0%
Unspecified respiratory failure in ED [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	0	0.0%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.1	3.6

Table 1c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.6	21.5
Mean number of emergency room encounters	1.2	2.1
Mean number of inpatient hospital encounters	1.9	1.4
Mean number of non-acute institutional encounters	0.3	0.9
Mean number of other ambulatory encounters	15.7	21.6
Mean number of unique drug classes	10.9	5.8
Mean number of generics	11.7	6.5
Mean number of filled prescriptions	33.3	27.8

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	3,029,783	
Number of unique patients	2,496,591	
Demographics	Mean	Standard Deviation
Mean Age (Years)	73	13.9
Age (Years)	Number	Percent
0-17	13,385	0.4%
18-39	68,443	2.3%
40-64	612,550	20.2%
65+	2,335,405	77.1%
Sex		
Female	1,335,850	53.5%
Male	1,160,741	46.5%
Race		
Unknown	327,016	13.1%
American Indian or Alaska Native	15,122	0.6%
Asian	40,697	1.6%
Black or African American	268,895	10.8%
Native Hawaiian or Other Pacific Islander	3,697	0.1%
White	1,841,164	73.7%
Ethnicity		
Hispanic Origin	52,457	2.1%
Year		
2016	517,136	17.1%
2017	794,845	26.2%
2018	838,662	27.7%
2019	879,140	29.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	1,638	0.1%
Anaphylaxis [0,0]	5,511	0.2%
Angioedema [0,0]	8,114	0.3%
Aspiration of gastric contents [0,0]	433,511	14.3%
Asthma [0,0]	146,111	4.8%
Asthma exacerbation [0,0]	88,098	2.9%
Bronchiectasis [0,0]	29,738	1.0%
Cardiogenic risk factors [0,0]	1,439,160	47.5%
Covid-19 [0,0]	4,737	0.2%
Connective tissue rheumatic lung disease [0,0]	1,498	0.0%
Chronic obstructive pulmonary disorder (COPD) [0,0]	577,919	19.1%
COPD exacerbation [0,0]	742,728	24.5%
Congestive heart failure (CHF) [0,0]	1,525,171	50.3%
Cryptogenic organizing pneumonia [0,0]	1,780	0.1%
Cystic fibrosis [0,0]	1,688	0.1%
Drowning [0,0]	292	0.0%
Drug-induced interstitial lung disorders [0,0]	3,738	0.1%

Table 1d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	2,086	0.1%
Interstitial lung diseases [0,0]	46,075	1.5%
Idiopathic pulmonary fibrosis [0,0]	8,965	0.3%
Influenza [0,0]	93,572	3.1%
Non-specific interstitial pneumonitis [0,0]	322	0.0%
Other lung disorders [0,0]	934,831	30.9%
Pancreatitis [0,0]	37,648	1.2%
Pneumoconioses [0,0]	6,142	0.2%
Pneumonia [0,0]	1,131,387	37.3%
Pulmonary contusion [0,0]	9,294	0.3%
Pulmonary embolism [0,0]	111,817	3.7%
Radiation-associated pulmonary manifestations [0,0]	3,942	0.1%
Sarcoidosis [0,0]	11,143	0.4%
Sepsis [0,0]	967,309	31.9%
Sickle-cell disease with acute chest syndrome [0,0]	1,084	0.0%
Shock [0,0]	523,600	17.3%
Transfusion [0,0]	267,076	8.8%
Trauma [0,0]	146,773	4.8%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	1,704	0.1%
Anaphylaxis [-7,7]	5,714	0.2%
Angioedema [-7,7]	8,424	0.3%
Aspiration of gastric contents [-7,7]	442,754	14.6%
Asthma [-7,7]	159,239	5.3%
Asthma exacerbation [-7,7]	90,749	3.0%
Bronchiectasis [-7,7]	31,018	1.0%
Cardiogenic risk factors [-7,7]	1,466,300	48.4%
Covid-19 [-7,7]	4,950	0.2%
Connective tissue rheumatic lung disease [-7,7]	1,610	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	624,984	20.6%
COPD exacerbation [-7,7]	760,499	25.1%
Congestive heart failure (CHF) [-7,7]	1,552,819	51.3%
Cryptogenic organizing pneumonia [-7,7]	1,872	0.1%
Cystic fibrosis [-7,7]	1,725	0.1%
Drowning [-7,7]	298	0.0%
Drug-induced interstitial lung disorders [-7,7]	3,940	0.1%
Hypersensitivity pneumonitis [-7,7]	2,202	0.1%
Interstitial lung diseases [-7,7]	48,749	1.6%
Idiopathic pulmonary fibrosis [-7,7]	9,413	0.3%
Influenza [-7,7]	96,157	3.2%
Non-specific interstitial pneumonitis [-7,7]	343	0.0%
Other lung disorders [-7,7]	970,883	32.0%
Pancreatitis [-7,7]	39,492	1.3%
Pneumoconioses [-7,7]	6,515	0.2%
Pneumonia [-7,7]	1,161,733	38.3%

Table 1d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	9,558	0.3%
Pulmonary embolism [-7,7]	115,356	3.8%
Radiation-associated pulmonary manifestations [-7,7]	4,107	0.1%
Sarcoidosis [-7,7]	11,480	0.4%
Sepsis [-7,7]	987,247	32.6%
Sickle-cell disease with acute chest syndrome [-7,7]	1,153	0.0%
Shock [-7,7]	535,870	17.7%
Transfusion [-7,7]	282,665	9.3%
Trauma [-7,7]	162,513	5.4%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	1,037	0.0%
Anaphylaxis [-183,-1]	1,981	0.1%
Angioedema [-183,-1]	4,713	0.2%
Aspiration of gastric contents [-183,-1]	104,233	3.4%
Asthma [-183,-1]	153,848	5.1%
Asthma exacerbation [-183,-1]	46,207	1.5%
Bronchiectasis [-183,-1]	16,211	0.5%
Cardiogenic risk factors [-183,-1]	737,989	24.4%
Covid-19 [-183,-1]	2,381	0.1%
Connective tissue rheumatic lung disease [-183,-1]	972	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	523,093	17.3%
COPD exacerbation [-183,-1]	344,243	11.4%
Congestive heart failure (CHF) [-183,-1]	788,491	26.0%
Cryptogenic organizing pneumonia (COP) [-183,-1]	741	0.0%
Cystic fibrosis [-183,-1]	1,329	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	1,131	0.0%
Hypersensitivity pneumonitis [-183,-1]	744	0.0%
Interstitial lung diseases [-183,-1]	23,898	0.8%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	4,389	0.1%
Influenza [-183,-1]	34,569	1.1%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	152	0.0%
Other lung disorders [-183,-1]	399,693	13.2%
Pancreatitis [-183,-1]	30,842	1.0%
Pneumoconioses [-183,-1]	3,541	0.1%
Pneumonia [-183,-1]	427,477	14.1%
Pulmonary contusion [-183,-1]	2,055	0.1%
Pulmonary embolism [-183,-1]	38,776	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	1,956	0.1%
Sarcoidosis [-183,-1]	7,578	0.3%
Sepsis [-183,-1]	304,838	10.1%
Sickle-cell disease with acute chest syndrome [-183,-1]	700	0.0%
Shock [-183,-1]	98,818	3.3%
Transfusion [-183,-1]	176,746	5.8%
Trauma [-183,-1]	201,228	6.6%

Table 1d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	3,029,783	100.0%
Acute on chronic respiratory failure [-1,0]	184,730	6.1%
Unspecified respiratory failure [-1,0]	191,221	6.3%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	3,029,783	100.0%
Post-procedural respiratory failure [-1,0]	25,724	0.8%
Acute respiratory distress syndrome [-1,0]	36,535	1.2%
Intubation [-1,0]	700,435	23.1%
Mechanical ventilation [-1,0]	797,904	26.3%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	5,175	0.2%
Continuous positive airway pressure (CPAP) [-1,0]	415,313	13.7%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,177,329	38.9%
Mechanical ventilation and intubation [-1,0]	661,437	21.8%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	208,171	6.9%
Acute on chronic respiratory failure in ED [-1,0]	10,993	0.4%
Unspecified respiratory failure in ED [-1,0]	24,939	0.8%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	238,086	7.9%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	0	0.0%
Acute on chronic respiratory failure [-1,-1]	2,057	0.1%
Unspecified respiratory failure [-1,-1]	4,098	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	6,083	0.2%
Post-procedural respiratory failure [-1,-1]	84	0.0%
Acute respiratory distress syndrome [-1,-1]	834	0.0%
Intubation [-1,-1]	11,042	0.4%
Mechanical ventilation [-1,-1]	5,142	0.2%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	29	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	4,224	0.1%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	15,915	0.5%
Mechanical ventilation and intubation [-1,-1]	3,984	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	0	0.0%
Acute on chronic respiratory failure in ED [-1,-1]	1,175	0.0%
Unspecified respiratory failure in ED [-1,-1]	3,256	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	4,408	0.1%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7	3.6

Table 1d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.7	22.3
Mean number of emergency room encounters	1.2	2.2
Mean number of inpatient hospital encounters	1.8	1.4
Mean number of non-acute institutional encounters	0.3	0.8
Mean number of other ambulatory encounters	14.4	20
Mean number of unique drug classes	10.3	5.6
Mean number of generics	11.1	6.4
Mean number of filled prescriptions	31.1	26.5

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	1,443,311	
Number of unique patients	950,896	
Demographics	Mean	Standard Deviation
Mean Age (Years)	72.5	11.9
Age (Years)	Number	Percent
0-17	1,943	0.1%
18-39	17,365	1.2%
40-64	305,348	21.2%
65+	1,118,655	77.5%
Sex		
Female	539,810	56.8%
Male	411,086	43.2%
Race		
Unknown	89,390	9.4%
American Indian or Alaska Native	5,724	0.6%
Asian	9,674	1.0%
Black or African American	94,315	9.9%
Native Hawaiian or Other Pacific Islander	968	0.1%
White	750,825	79.0%
Ethnicity		
Hispanic Origin	14,263	1.5%
Year		
2016	250,894	17.4%
2017	384,060	26.6%
2018	396,156	27.4%
2019	412,201	28.6%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	3,458	0.2%
Anaphylaxis [0,0]	891	0.1%
Angioedema [0,0]	1,103	0.1%
Aspiration of gastric contents [0,0]	127,986	8.9%
Asthma [0,0]	69,866	4.8%
Asthma exacerbation [0,0]	34,786	2.4%
Bronchiectasis [0,0]	28,870	2.0%
Cardiogenic risk factors [0,0]	809,728	56.1%
Covid-19 [0,0]	2,989	0.2%
Connective tissue rheumatic lung disease [0,0]	2,082	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	402,174	27.9%
COPD exacerbation [0,0]	804,646	55.8%
Congestive heart failure (CHF) [0,0]	840,346	58.2%
Cryptogenic organizing pneumonia [0,0]	1,386	0.1%
Cystic fibrosis [0,0]	2,301	0.2%
Drowning [0,0]	14	0.0%
Drug-induced interstitial lung disorders [0,0]	1,924	0.1%

Table 1e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	2,129	0.1%
Interstitial lung diseases [0,0]	42,818	3.0%
Idiopathic pulmonary fibrosis [0,0]	18,346	1.3%
Influenza [0,0]	33,979	2.4%
Non-specific interstitial pneumonitis [0,0]	331	0.0%
Other lung disorders [0,0]	412,410	28.6%
Pancreatitis [0,0]	9,604	0.7%
Pneumoconioses [0,0]	5,615	0.4%
Pneumonia [0,0]	562,990	39.0%
Pulmonary contusion [0,0]	1,187	0.1%
Pulmonary embolism [0,0]	34,908	2.4%
Radiation-associated pulmonary manifestations [0,0]	3,725	0.3%
Sarcoidosis [0,0]	10,476	0.7%
Sepsis [0,0]	330,639	22.9%
Sickle-cell disease with acute chest syndrome [0,0]	218	0.0%
Shock [0,0]	128,363	8.9%
Transfusion [0,0]	86,448	6.0%
Trauma [0,0]	40,591	2.8%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	3,522	0.2%
Anaphylaxis [-7,7]	946	0.1%
Angioedema [-7,7]	1,197	0.1%
Aspiration of gastric contents [-7,7]	131,283	9.1%
Asthma [-7,7]	76,316	5.3%
Asthma exacerbation [-7,7]	36,297	2.5%
Bronchiectasis [-7,7]	29,771	2.1%
Cardiogenic risk factors [-7,7]	821,748	56.9%
Covid-19 [-7,7]	3,092	0.2%
Connective tissue rheumatic lung disease [-7,7]	2,173	0.2%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	444,373	30.8%
COPD exacerbation [-7,7]	816,509	56.6%
Congestive heart failure (CHF) [-7,7]	852,243	59.0%
Cryptogenic organizing pneumonia [-7,7]	1,433	0.1%
Cystic fibrosis [-7,7]	2,336	0.2%
Drowning [-7,7]	14	0.0%
Drug-induced interstitial lung disorders [-7,7]	2,017	0.1%
Hypersensitivity pneumonitis [-7,7]	2,209	0.2%
Interstitial lung diseases [-7,7]	44,725	3.1%
Idiopathic pulmonary fibrosis [-7,7]	18,874	1.3%
Influenza [-7,7]	35,111	2.4%
Non-specific interstitial pneumonitis [-7,7]	344	0.0%
Other lung disorders [-7,7]	429,377	29.7%
Pancreatitis [-7,7]	10,191	0.7%
Pneumoconioses [-7,7]	5,862	0.4%
Pneumonia [-7,7]	578,603	40.1%

Table 1e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	1,255	0.1%
Pulmonary embolism [-7,7]	36,384	2.5%
Radiation-associated pulmonary manifestations [-7,7]	3,865	0.3%
Sarcoidosis [-7,7]	10,674	0.7%
Sepsis [-7,7]	339,738	23.5%
Sickle-cell disease with acute chest syndrome [-7,7]	226	0.0%
Shock [-7,7]	132,525	9.2%
Transfusion [-7,7]	91,891	6.4%
Trauma [-7,7]	47,087	3.3%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	2,315	0.2%
Anaphylaxis [-183,-1]	1,034	0.1%
Angioedema [-183,-1]	2,241	0.2%
Aspiration of gastric contents [-183,-1]	74,375	5.2%
Asthma [-183,-1]	104,586	7.2%
Asthma exacerbation [-183,-1]	33,520	2.3%
Bronchiectasis [-183,-1]	21,857	1.5%
Cardiogenic risk factors [-183,-1]	552,461	38.3%
Covid-19 [-183,-1]	2,503	0.2%
Connective tissue rheumatic lung disease [-183,-1]	1,585	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	519,374	36.0%
COPD exacerbation [-183,-1]	498,364	34.5%
Congestive heart failure (CHF) [-183,-1]	575,142	39.8%
Cryptogenic organizing pneumonia (COP) [-183,-1]	1,000	0.1%
Cystic fibrosis [-183,-1]	2,025	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	1,375	0.1%
Hypersensitivity pneumonitis [-183,-1]	1,292	0.1%
Interstitial lung diseases [-183,-1]	32,690	2.3%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	10,231	0.7%
Influenza [-183,-1]	24,251	1.7%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	224	0.0%
Other lung disorders [-183,-1]	300,710	20.8%
Pancreatitis [-183,-1]	11,792	0.8%
Pneumoconioses [-183,-1]	4,492	0.3%
Pneumonia [-183,-1]	372,908	25.8%
Pulmonary contusion [-183,-1]	1,056	0.1%
Pulmonary embolism [-183,-1]	26,973	1.9%
Radiation-associated pulmonary manifestations [-183,-1]	2,728	0.2%
Sarcoidosis [-183,-1]	8,123	0.6%
Sepsis [-183,-1]	201,252	13.9%
Sickle-cell disease with acute chest syndrome [-183,-1]	251	0.0%
Shock [-183,-1]	65,773	4.6%
Transfusion [-183,-1]	91,574	6.3%
Trauma [-183,-1]	99,329	6.9%

Table 1e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	190,253	13.2%
Acute on chronic respiratory failure [-1,0]	1,443,311	100.0%
Unspecified respiratory failure [-1,0]	72,268	5.0%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,443,311	100.0%
Post-procedural respiratory failure [-1,0]	5,089	0.4%
Acute respiratory distress syndrome [-1,0]	12,371	0.9%
Intubation [-1,0]	175,524	12.2%
Mechanical ventilation [-1,0]	235,476	16.3%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	1,229	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	298,723	20.7%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	500,205	34.7%
Mechanical ventilation and intubation [-1,0]	168,867	11.7%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	33,743	2.3%
Acute on chronic respiratory failure in ED [-1,0]	73,268	5.1%
Unspecified respiratory failure in ED [-1,0]	12,198	0.8%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	115,608	8.0%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	6,103	0.4%
Acute on chronic respiratory failure [-1,-1]	0	0.0%
Unspecified respiratory failure [-1,-1]	2,206	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	8,125	0.6%
Post-procedural respiratory failure [-1,-1]	15	0.0%
Acute respiratory distress syndrome [-1,-1]	386	0.0%
Intubation [-1,-1]	3,298	0.2%
Mechanical ventilation [-1,-1]	1,904	0.1%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	4,187	0.3%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	7,554	0.5%
Mechanical ventilation and intubation [-1,-1]	1,317	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	4,415	0.3%
Acute on chronic respiratory failure in ED [-1,-1]	0	0.0%
Unspecified respiratory failure in ED [-1,-1]	1,883	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	6,184	0.4%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.5

Table 1e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.3	19.2
Mean number of emergency room encounters	1.3	2.3
Mean number of inpatient hospital encounters	2.2	1.6
Mean number of non-acute institutional encounters	0.4	1
Mean number of other ambulatory encounters	19.2	24.4
Mean number of unique drug classes	12.4	6
Mean number of generics	13.4	6.8
Mean number of filled prescriptions	38.5	30.1

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	479,380	
Number of unique patients	442,668	
Demographics	Mean	Standard Deviation
Mean Age (Years)	71	14.6
Age (Years)	Number	Percent
0-17	4,101	0.9%
18-39	14,302	3.0%
40-64	113,854	23.8%
65+	347,123	72.4%
Sex		
Female	224,473	50.7%
Male	218,195	49.3%
Race		
Unknown	102,130	23.1%
American Indian or Alaska Native	2,057	0.5%
Asian	6,988	1.6%
Black or African American	52,084	11.8%
Native Hawaiian or Other Pacific Islander	1,614	0.4%
White	277,795	62.8%
Ethnicity		
Hispanic Origin	9,422	2.1%
Year		
2016	99,443	20.7%
2017	131,378	27.4%
2018	125,856	26.3%
2019	122,703	25.6%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	320	0.1%
Anaphylaxis [0,0]	1,104	0.2%
Angioedema [0,0]	1,862	0.4%
Aspiration of gastric contents [0,0]	67,843	14.2%
Asthma [0,0]	22,503	4.7%
Asthma exacerbation [0,0]	10,258	2.1%
Bronchiectasis [0,0]	5,829	1.2%
Cardiogenic risk factors [0,0]	222,180	46.3%
Covid-19 [0,0]	552	0.1%
Connective tissue rheumatic lung disease [0,0]	396	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	127,908	26.7%
COPD exacerbation [0,0]	110,227	23.0%
Congestive heart failure (CHF) [0,0]	248,114	51.8%
Cryptogenic organizing pneumonia [0,0]	368	0.1%
Cystic fibrosis [0,0]	452	0.1%
Drowning [0,0]	85	0.0%
Drug-induced interstitial lung disorders [0,0]	503	0.1%

Table 1f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	414	0.1%
Interstitial lung diseases [0,0]	11,774	2.5%
Idiopathic pulmonary fibrosis [0,0]	2,355	0.5%
Influenza [0,0]	10,231	2.1%
Non-specific interstitial pneumonitis [0,0]	120	0.0%
Other lung disorders [0,0]	222,992	46.5%
Pancreatitis [0,0]	7,404	1.5%
Pneumoconioses [0,0]	1,350	0.3%
Pneumonia [0,0]	195,359	40.8%
Pulmonary contusion [0,0]	2,780	0.6%
Pulmonary embolism [0,0]	19,666	4.1%
Radiation-associated pulmonary manifestations [0,0]	725	0.2%
Sarcoidosis [0,0]	2,056	0.4%
Sepsis [0,0]	158,193	33.0%
Sickle-cell disease with acute chest syndrome [0,0]	170	0.0%
Shock [0,0]	102,711	21.4%
Transfusion [0,0]	47,823	10.0%
Trauma [0,0]	33,146	6.9%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	342	0.1%
Anaphylaxis [-7,7]	1,164	0.2%
Angioedema [-7,7]	1,926	0.4%
Aspiration of gastric contents [-7,7]	70,224	14.6%
Asthma [-7,7]	24,595	5.1%
Asthma exacerbation [-7,7]	10,753	2.2%
Bronchiectasis [-7,7]	6,130	1.3%
Cardiogenic risk factors [-7,7]	228,698	47.7%
Covid-19 [-7,7]	585	0.1%
Connective tissue rheumatic lung disease [-7,7]	415	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	135,524	28.3%
COPD exacerbation [-7,7]	114,994	24.0%
Congestive heart failure (CHF) [-7,7]	254,763	53.1%
Cryptogenic organizing pneumonia [-7,7]	386	0.1%
Cystic fibrosis [-7,7]	468	0.1%
Drowning [-7,7]	88	0.0%
Drug-induced interstitial lung disorders [-7,7]	537	0.1%
Hypersensitivity pneumonitis [-7,7]	429	0.1%
Interstitial lung diseases [-7,7]	12,400	2.6%
Idiopathic pulmonary fibrosis [-7,7]	2,454	0.5%
Influenza [-7,7]	10,746	2.2%
Non-specific interstitial pneumonitis [-7,7]	126	0.0%
Other lung disorders [-7,7]	230,612	48.1%
Pancreatitis [-7,7]	7,798	1.6%
Pneumoconioses [-7,7]	1,444	0.3%
Pneumonia [-7,7]	201,791	42.1%

Table 1f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	2,843	0.6%
Pulmonary embolism [-7,7]	20,420	4.3%
Radiation-associated pulmonary manifestations [-7,7]	763	0.2%
Sarcoidosis [-7,7]	2,131	0.4%
Sepsis [-7,7]	163,204	34.0%
Sickle-cell disease with acute chest syndrome [-7,7]	178	0.0%
Shock [-7,7]	105,984	22.1%
Transfusion [-7,7]	50,893	10.6%
Trauma [-7,7]	35,667	7.4%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	257	0.1%
Anaphylaxis [-183,-1]	430	0.1%
Angioedema [-183,-1]	851	0.2%
Aspiration of gastric contents [-183,-1]	21,608	4.5%
Asthma [-183,-1]	24,825	5.2%
Asthma exacerbation [-183,-1]	7,736	1.6%
Bronchiectasis [-183,-1]	3,941	0.8%
Cardiogenic risk factors [-183,-1]	130,271	27.2%
Covid-19 [-183,-1]	406	0.1%
Connective tissue rheumatic lung disease [-183,-1]	269	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	99,874	20.8%
COPD exacerbation [-183,-1]	70,729	14.8%
Congestive heart failure (CHF) [-183,-1]	142,643	29.8%
Cryptogenic organizing pneumonia (COP) [-183,-1]	163	0.0%
Cystic fibrosis [-183,-1]	368	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	276	0.1%
Hypersensitivity pneumonitis [-183,-1]	191	0.0%
Interstitial lung diseases [-183,-1]	6,846	1.4%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	1,372	0.3%
Influenza [-183,-1]	5,882	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	48	0.0%
Other lung disorders [-183,-1]	100,431	21.0%
Pancreatitis [-183,-1]	5,848	1.2%
Pneumoconioses [-183,-1]	824	0.2%
Pneumonia [-183,-1]	90,089	18.8%
Pulmonary contusion [-183,-1]	512	0.1%
Pulmonary embolism [-183,-1]	9,162	1.9%
Radiation-associated pulmonary manifestations [-183,-1]	485	0.1%
Sarcoidosis [-183,-1]	1,577	0.3%
Sepsis [-183,-1]	61,230	12.8%
Sickle-cell disease with acute chest syndrome [-183,-1]	112	0.0%
Shock [-183,-1]	23,385	4.9%
Transfusion [-183,-1]	32,959	6.9%
Trauma [-183,-1]	30,081	6.3%

Table 1f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	199,091	41.5%
Acute on chronic respiratory failure [-1,0]	74,798	15.6%
Unspecified respiratory failure [-1,0]	479,380	100.0%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	479,380	100.0%
Post-procedural respiratory failure [-1,0]	13,133	2.7%
Acute respiratory distress syndrome [-1,0]	16,765	3.5%
Intubation [-1,0]	155,912	32.5%
Mechanical ventilation [-1,0]	170,901	35.7%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	2,121	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	65,409	13.6%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	239,779	50.0%
Mechanical ventilation and intubation [-1,0]	137,102	28.6%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	23,199	4.8%
Acute on chronic respiratory failure in ED [-1,0]	3,971	0.8%
Unspecified respiratory failure in ED [-1,0]	66,362	13.8%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	88,567	18.5%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	3,214	0.7%
Acute on chronic respiratory failure [-1,-1]	719	0.1%
Unspecified respiratory failure [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	3,735	0.8%
Post-procedural respiratory failure [-1,-1]	36	0.0%
Acute respiratory distress syndrome [-1,-1]	211	0.0%
Intubation [-1,-1]	3,152	0.7%
Mechanical ventilation [-1,-1]	1,405	0.3%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	14	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	786	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	4,061	0.8%
Mechanical ventilation and intubation [-1,-1]	1,140	0.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	2,110	0.4%
Acute on chronic respiratory failure in ED [-1,-1]	408	0.1%
Unspecified respiratory failure in ED [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	2,477	0.5%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.2	3.7

Table 1f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	18.9	21.5
Mean number of emergency room encounters	1.7	2.6
Mean number of inpatient hospital encounters	1.9	1.6
Mean number of non-acute institutional encounters	0.3	1
Mean number of other ambulatory encounters	13.5	19.7
Mean number of unique drug classes	10.1	6
Mean number of generics	11	6.7
Mean number of filled prescriptions	29.2	25.4

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	2,195,381	
Number of unique patients	1,760,319	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.5	13.5
Age (Years)	Number	Percent
0-17	8,146	0.4%
18-39	60,695	2.8%
40-64	539,633	24.6%
65+	1,586,907	72.3%
Sex		
Female	889,078	50.5%
Male	871,241	49.5%
Race		
Unknown	199,183	11.3%
American Indian or Alaska Native	11,166	0.6%
Asian	32,248	1.8%
Black or African American	243,376	13.8%
Native Hawaiian or Other Pacific Islander	3,084	0.2%
White	1,271,262	72.2%
Ethnicity		
Hispanic Origin	41,600	2.4%
Year		
2016	407,599	18.6%
2017	582,908	26.6%
2018	592,172	27.0%
2019	612,702	27.9%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	1,867	0.1%
Anaphylaxis [0,0]	5,494	0.3%
Angioedema [0,0]	9,594	0.4%
Aspiration of gastric contents [0,0]	310,980	14.2%
Asthma [0,0]	115,665	5.3%
Asthma exacerbation [0,0]	42,507	1.9%
Bronchiectasis [0,0]	17,409	0.8%
Cardiogenic risk factors [0,0]	1,035,279	47.2%
Covid-19 [0,0]	2,704	0.1%
Connective tissue rheumatic lung disease [0,0]	1,241	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	454,494	20.7%
COPD exacerbation [0,0]	539,812	24.6%
Congestive heart failure (CHF) [0,0]	1,100,151	50.1%
Cryptogenic organizing pneumonia [0,0]	1,139	0.1%
Cystic fibrosis [0,0]	1,519	0.1%
Drowning [0,0]	297	0.0%
Drug-induced interstitial lung disorders [0,0]	1,840	0.1%

Table 1g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	1,291	0.1%
Interstitial lung diseases [0,0]	29,559	1.3%
Idiopathic pulmonary fibrosis [0,0]	8,166	0.4%
Influenza [0,0]	40,319	1.8%
Non-specific interstitial pneumonitis [0,0]	211	0.0%
Other lung disorders [0,0]	600,478	27.4%
Pancreatitis [0,0]	29,324	1.3%
Pneumoconioses [0,0]	5,170	0.2%
Pneumonia [0,0]	689,794	31.4%
Pulmonary contusion [0,0]	8,315	0.4%
Pulmonary embolism [0,0]	54,589	2.5%
Radiation-associated pulmonary manifestations [0,0]	2,317	0.1%
Sarcoidosis [0,0]	10,038	0.5%
Sepsis [0,0]	703,976	32.1%
Sickle-cell disease with acute chest syndrome [0,0]	474	0.0%
Shock [0,0]	513,383	23.4%
Transfusion [0,0]	267,431	12.2%
Trauma [0,0]	132,804	6.0%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	1,954	0.1%
Anaphylaxis [-7,7]	5,659	0.3%
Angioedema [-7,7]	9,868	0.4%
Aspiration of gastric contents [-7,7]	318,883	14.5%
Asthma [-7,7]	126,326	5.8%
Asthma exacerbation [-7,7]	44,469	2.0%
Bronchiectasis [-7,7]	18,295	0.8%
Cardiogenic risk factors [-7,7]	1,058,378	48.2%
Covid-19 [-7,7]	2,860	0.1%
Connective tissue rheumatic lung disease [-7,7]	1,336	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	492,317	22.4%
COPD exacerbation [-7,7]	555,817	25.3%
Congestive heart failure (CHF) [-7,7]	1,123,104	51.2%
Cryptogenic organizing pneumonia [-7,7]	1,195	0.1%
Cystic fibrosis [-7,7]	1,553	0.1%
Drowning [-7,7]	301	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,953	0.1%
Hypersensitivity pneumonitis [-7,7]	1,372	0.1%
Interstitial lung diseases [-7,7]	31,402	1.4%
Idiopathic pulmonary fibrosis [-7,7]	8,536	0.4%
Influenza [-7,7]	41,997	1.9%
Non-specific interstitial pneumonitis [-7,7]	227	0.0%
Other lung disorders [-7,7]	626,775	28.5%
Pancreatitis [-7,7]	30,894	1.4%
Pneumoconioses [-7,7]	5,501	0.3%
Pneumonia [-7,7]	713,131	32.5%

Table 1g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	8,535	0.4%
Pulmonary embolism [-7,7]	57,217	2.6%
Radiation-associated pulmonary manifestations [-7,7]	2,441	0.1%
Sarcoidosis [-7,7]	10,326	0.5%
Sepsis [-7,7]	720,403	32.8%
Sickle-cell disease with acute chest syndrome [-7,7]	499	0.0%
Shock [-7,7]	525,190	23.9%
Transfusion [-7,7]	280,272	12.8%
Trauma [-7,7]	145,317	6.6%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	1,481	0.1%
Anaphylaxis [-183,-1]	1,770	0.1%
Angioedema [-183,-1]	4,146	0.2%
Aspiration of gastric contents [-183,-1]	90,731	4.1%
Asthma [-183,-1]	139,450	6.4%
Asthma exacerbation [-183,-1]	38,616	1.8%
Bronchiectasis [-183,-1]	14,251	0.6%
Cardiogenic risk factors [-183,-1]	638,676	29.1%
Covid-19 [-183,-1]	2,225	0.1%
Connective tissue rheumatic lung disease [-183,-1]	1,049	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	471,621	21.5%
COPD exacerbation [-183,-1]	357,899	16.3%
Congestive heart failure (CHF) [-183,-1]	674,071	30.7%
Cryptogenic organizing pneumonia (COP) [-183,-1]	693	0.0%
Cystic fibrosis [-183,-1]	1,328	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	1,042	0.0%
Hypersensitivity pneumonitis [-183,-1]	819	0.0%
Interstitial lung diseases [-183,-1]	21,895	1.0%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	5,237	0.2%
Influenza [-183,-1]	26,114	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	122	0.0%
Other lung disorders [-183,-1]	314,522	14.3%
Pancreatitis [-183,-1]	24,914	1.1%
Pneumoconioses [-183,-1]	3,594	0.2%
Pneumonia [-183,-1]	358,336	16.3%
Pulmonary contusion [-183,-1]	1,538	0.1%
Pulmonary embolism [-183,-1]	29,984	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	1,814	0.1%
Sarcoidosis [-183,-1]	8,197	0.4%
Sepsis [-183,-1]	261,780	11.9%
Sickle-cell disease with acute chest syndrome [-183,-1]	380	0.0%
Shock [-183,-1]	96,947	4.4%
Transfusion [-183,-1]	158,132	7.2%
Trauma [-183,-1]	159,029	7.2%

Table 1g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	1,152,772	52.5%
Acute on chronic respiratory failure [-1,0]	500,565	22.8%
Unspecified respiratory failure [-1,0]	217,104	9.9%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,638,626	74.6%
Post-procedural respiratory failure [-1,0]	54,933	2.5%
Acute respiratory distress syndrome [-1,0]	38,365	1.7%
Intubation [-1,0]	951,407	43.3%
Mechanical ventilation [-1,0]	1,221,732	55.7%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	8,978	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	1,079,703	49.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	2,195,381	100.0%
Mechanical ventilation and intubation [-1,0]	944,012	43.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	73,288	3.3%
Acute on chronic respiratory failure in ED [-1,0]	19,568	0.9%
Unspecified respiratory failure in ED [-1,0]	28,812	1.3%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	117,974	5.4%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	8,419	0.4%
Acute on chronic respiratory failure [-1,-1]	2,580	0.1%
Unspecified respiratory failure [-1,-1]	3,093	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	13,628	0.6%
Post-procedural respiratory failure [-1,-1]	57	0.0%
Acute respiratory distress syndrome [-1,-1]	531	0.0%
Intubation [-1,-1]	11,616	0.5%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	0	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	0	0.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	11,616	0.5%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	6,530	0.3%
Acute on chronic respiratory failure in ED [-1,-1]	1,953	0.1%
Unspecified respiratory failure in ED [-1,-1]	2,705	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	10,857	0.5%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.2	3.6

Table 1g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.9	23.2
Mean number of emergency room encounters	1.3	2.3
Mean number of inpatient hospital encounters	1.9	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	17.8	24.4
Mean number of unique drug classes	11	5.9
Mean number of generics	11.9	6.7
Mean number of filled prescriptions	33.6	28.5

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	964,154	
Number of unique patients	887,434	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.7	13.5
Age (Years)	Number	Percent
0-17	2,989	0.3%
18-39	31,976	3.3%
40-64	248,383	25.8%
65+	680,806	70.6%
Sex		
Female	438,174	49.4%
Male	449,260	50.6%
Race		
Unknown	104,455	11.8%
American Indian or Alaska Native	6,117	0.7%
Asian	17,755	2.0%
Black or African American	138,551	15.6%
Native Hawaiian or Other Pacific Islander	1,293	0.1%
White	619,263	69.8%
Ethnicity		
Hispanic Origin	23,491	2.6%
Year		
2016	189,602	19.7%
2017	262,391	27.2%
2018	256,735	26.6%
2019	255,426	26.5%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	675	0.1%
Anaphylaxis [0,0]	4,053	0.4%
Angioedema [0,0]	7,930	0.8%
Aspiration of gastric contents [0,0]	206,254	21.4%
Asthma [0,0]	40,646	4.2%
Asthma exacerbation [0,0]	11,298	1.2%
Bronchiectasis [0,0]	6,648	0.7%
Cardiogenic risk factors [0,0]	418,086	43.4%
Covid-19 [0,0]	1,078	0.1%
Connective tissue rheumatic lung disease [0,0]	566	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	181,564	18.8%
COPD exacerbation [0,0]	186,980	19.4%
Congestive heart failure (CHF) [0,0]	452,305	46.9%
Cryptogenic organizing pneumonia [0,0]	581	0.1%
Cystic fibrosis [0,0]	535	0.1%
Drowning [0,0]	156	0.0%
Drug-induced interstitial lung disorders [0,0]	770	0.1%

Table 1h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	483	0.1%
Interstitial lung diseases [0,0]	12,695	1.3%
Idiopathic pulmonary fibrosis [0,0]	2,845	0.3%
Influenza [0,0]	18,665	1.9%
Non-specific interstitial pneumonitis [0,0]	92	0.0%
Other lung disorders [0,0]	309,077	32.1%
Pancreatitis [0,0]	18,398	1.9%
Pneumoconioses [0,0]	2,320	0.2%
Pneumonia [0,0]	358,132	37.1%
Pulmonary contusion [0,0]	5,405	0.6%
Pulmonary embolism [0,0]	30,654	3.2%
Radiation-associated pulmonary manifestations [0,0]	977	0.1%
Sarcoidosis [0,0]	3,494	0.4%
Sepsis [0,0]	434,023	45.0%
Sickle-cell disease with acute chest syndrome [0,0]	296	0.0%
Shock [0,0]	375,184	38.9%
Transfusion [0,0]	158,265	16.4%
Trauma [0,0]	82,658	8.6%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	708	0.1%
Anaphylaxis [-7,7]	4,148	0.4%
Angioedema [-7,7]	8,073	0.8%
Aspiration of gastric contents [-7,7]	210,700	21.9%
Asthma [-7,7]	44,843	4.7%
Asthma exacerbation [-7,7]	11,883	1.2%
Bronchiectasis [-7,7]	7,014	0.7%
Cardiogenic risk factors [-7,7]	427,819	44.4%
Covid-19 [-7,7]	1,137	0.1%
Connective tissue rheumatic lung disease [-7,7]	614	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	196,157	20.3%
COPD exacerbation [-7,7]	192,764	20.0%
Congestive heart failure (CHF) [-7,7]	461,834	47.9%
Cryptogenic organizing pneumonia [-7,7]	612	0.1%
Cystic fibrosis [-7,7]	549	0.1%
Drowning [-7,7]	160	0.0%
Drug-induced interstitial lung disorders [-7,7]	808	0.1%
Hypersensitivity pneumonitis [-7,7]	513	0.1%
Interstitial lung diseases [-7,7]	13,431	1.4%
Idiopathic pulmonary fibrosis [-7,7]	2,990	0.3%
Influenza [-7,7]	19,353	2.0%
Non-specific interstitial pneumonitis [-7,7]	95	0.0%
Other lung disorders [-7,7]	320,455	33.2%
Pancreatitis [-7,7]	19,229	2.0%
Pneumoconioses [-7,7]	2,459	0.3%
Pneumonia [-7,7]	368,581	38.2%

Table 1h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	5,540	0.6%
Pulmonary embolism [-7,7]	31,908	3.3%
Radiation-associated pulmonary manifestations [-7,7]	1,014	0.1%
Sarcoidosis [-7,7]	3,603	0.4%
Sepsis [-7,7]	441,628	45.8%
Sickle-cell disease with acute chest syndrome [-7,7]	310	0.0%
Shock [-7,7]	381,732	39.6%
Transfusion [-7,7]	165,006	17.1%
Trauma [-7,7]	88,715	9.2%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	526	0.1%
Anaphylaxis [-183,-1]	840	0.1%
Angioedema [-183,-1]	2,140	0.2%
Aspiration of gastric contents [-183,-1]	40,258	4.2%
Asthma [-183,-1]	52,557	5.5%
Asthma exacerbation [-183,-1]	11,616	1.2%
Bronchiectasis [-183,-1]	5,104	0.5%
Cardiogenic risk factors [-183,-1]	248,249	25.7%
Covid-19 [-183,-1]	824	0.1%
Connective tissue rheumatic lung disease [-183,-1]	455	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	179,760	18.6%
COPD exacerbation [-183,-1]	122,434	12.7%
Congestive heart failure (CHF) [-183,-1]	264,253	27.4%
Cryptogenic organizing pneumonia (COP) [-183,-1]	280	0.0%
Cystic fibrosis [-183,-1]	448	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	441	0.0%
Hypersensitivity pneumonitis [-183,-1]	289	0.0%
Interstitial lung diseases [-183,-1]	8,359	0.9%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	1,880	0.2%
Influenza [-183,-1]	10,248	1.1%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	58	0.0%
Other lung disorders [-183,-1]	129,680	13.5%
Pancreatitis [-183,-1]	13,321	1.4%
Pneumoconioses [-183,-1]	1,348	0.1%
Pneumonia [-183,-1]	146,169	15.2%
Pulmonary contusion [-183,-1]	700	0.1%
Pulmonary embolism [-183,-1]	13,233	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	713	0.1%
Sarcoidosis [-183,-1]	3,029	0.3%
Sepsis [-183,-1]	119,949	12.4%
Sickle-cell disease with acute chest syndrome [-183,-1]	193	0.0%
Shock [-183,-1]	45,435	4.7%
Transfusion [-183,-1]	73,653	7.6%
Trauma [-183,-1]	73,052	7.6%

Table 1h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	680,027	70.5%
Acute on chronic respiratory failure [-1,0]	181,724	18.8%
Unspecified respiratory failure [-1,0]	138,022	14.3%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	855,524	88.7%
Post-procedural respiratory failure [-1,0]	28,299	2.9%
Acute respiratory distress syndrome [-1,0]	26,748	2.8%
Intubation [-1,0]	963,565	99.9%
Mechanical ventilation [-1,0]	964,154	100.0%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	3,287	0.3%
Continuous positive airway pressure (CPAP) [-1,0]	105,212	10.9%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	964,154	100.0%
Mechanical ventilation and intubation [-1,0]	963,565	99.9%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	37,528	3.9%
Acute on chronic respiratory failure in ED [-1,0]	4,566	0.5%
Unspecified respiratory failure in ED [-1,0]	16,917	1.8%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	56,853	5.9%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	5,517	0.6%
Acute on chronic respiratory failure [-1,-1]	1,004	0.1%
Unspecified respiratory failure [-1,-1]	2,285	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	8,508	0.9%
Post-procedural respiratory failure [-1,-1]	18	0.0%
Acute respiratory distress syndrome [-1,-1]	325	0.0%
Intubation [-1,-1]	12,546	1.3%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	2,313	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	14,030	1.5%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	4,350	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	642	0.1%
Unspecified respiratory failure in ED [-1,-1]	2,059	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	6,837	0.7%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.7

Table 1h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.8	24.1
Mean number of emergency room encounters	1.3	2.3
Mean number of inpatient hospital encounters	2	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	17	22.9
Mean number of unique drug classes	10.4	5.8
Mean number of generics	11.2	6.6
Mean number of filled prescriptions	31.5	27.1

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	1,093,113	
Number of unique patients	864,173	
Demographics	Mean	Standard Deviation
Mean Age (Years)	71.7	12.9
Age (Years)	Number	Percent
0-17	2,970	0.3%
18-39	19,474	1.8%
40-64	254,829	23.3%
65+	815,840	74.6%
Sex		
Female	452,265	52.3%
Male	411,908	47.7%
Race		
Unknown	85,316	9.9%
American Indian or Alaska Native	4,374	0.5%
Asian	14,377	1.7%
Black or African American	111,756	12.9%
Native Hawaiian or Other Pacific Islander	1,778	0.2%
White	646,572	74.8%
Ethnicity		
Hispanic Origin	18,061	2.1%
Year		
2016	182,626	16.7%
2017	279,279	25.5%
2018	302,120	27.6%
2019	329,088	30.1%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	1,185	0.1%
Anaphylaxis [0,0]	1,066	0.1%
Angioedema [0,0]	1,191	0.1%
Aspiration of gastric contents [0,0]	90,085	8.2%
Asthma [0,0]	69,262	6.3%
Asthma exacerbation [0,0]	31,486	2.9%
Bronchiectasis [0,0]	10,272	0.9%
Cardiogenic risk factors [0,0]	593,745	54.3%
Covid-19 [0,0]	1,704	0.2%
Connective tissue rheumatic lung disease [0,0]	653	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	247,715	22.7%
COPD exacerbation [0,0]	364,062	33.3%
Congestive heart failure (CHF) [0,0]	617,982	56.5%
Cryptogenic organizing pneumonia [0,0]	634	0.1%
Cystic fibrosis [0,0]	838	0.1%
Drowning [0,0]	44	0.0%
Drug-induced interstitial lung disorders [0,0]	1,179	0.1%

Table 1i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	825	0.1%
Interstitial lung diseases [0,0]	16,958	1.6%
Idiopathic pulmonary fibrosis [0,0]	5,155	0.5%
Influenza [0,0]	23,020	2.1%
Non-specific interstitial pneumonitis [0,0]	123	0.0%
Other lung disorders [0,0]	255,137	23.3%
Pancreatitis [0,0]	9,347	0.9%
Pneumoconioses [0,0]	2,541	0.2%
Pneumonia [0,0]	315,818	28.9%
Pulmonary contusion [0,0]	1,285	0.1%
Pulmonary embolism [0,0]	21,805	2.0%
Radiation-associated pulmonary manifestations [0,0]	1,427	0.1%
Sarcoidosis [0,0]	6,325	0.6%
Sepsis [0,0]	235,444	21.5%
Sickle-cell disease with acute chest syndrome [0,0]	188	0.0%
Shock [0,0]	104,394	9.6%
Transfusion [0,0]	88,813	8.1%
Trauma [0,0]	33,590	3.1%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	1,233	0.1%
Anaphylaxis [-7,7]	1,140	0.1%
Angioedema [-7,7]	1,326	0.1%
Aspiration of gastric contents [-7,7]	93,149	8.5%
Asthma [-7,7]	75,443	6.9%
Asthma exacerbation [-7,7]	32,871	3.0%
Bronchiectasis [-7,7]	10,807	1.0%
Cardiogenic risk factors [-7,7]	605,961	55.4%
Covid-19 [-7,7]	1,798	0.2%
Connective tissue rheumatic lung disease [-7,7]	701	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	270,954	24.8%
COPD exacerbation [-7,7]	374,261	34.2%
Congestive heart failure (CHF) [-7,7]	630,181	57.7%
Cryptogenic organizing pneumonia [-7,7]	667	0.1%
Cystic fibrosis [-7,7]	855	0.1%
Drowning [-7,7]	44	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,254	0.1%
Hypersensitivity pneumonitis [-7,7]	885	0.1%
Interstitial lung diseases [-7,7]	18,067	1.7%
Idiopathic pulmonary fibrosis [-7,7]	5,396	0.5%
Influenza [-7,7]	24,035	2.2%
Non-specific interstitial pneumonitis [-7,7]	136	0.0%
Other lung disorders [-7,7]	269,215	24.6%
Pancreatitis [-7,7]	10,001	0.9%
Pneumoconioses [-7,7]	2,732	0.2%
Pneumonia [-7,7]	328,162	30.0%

Table 1i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	1,341	0.1%
Pulmonary embolism [-7,7]	23,082	2.1%
Radiation-associated pulmonary manifestations [-7,7]	1,507	0.1%
Sarcoidosis [-7,7]	6,491	0.6%
Sepsis [-7,7]	243,858	22.3%
Sickle-cell disease with acute chest syndrome [-7,7]	197	0.0%
Shock [-7,7]	109,495	10.0%
Transfusion [-7,7]	94,343	8.6%
Trauma [-7,7]	39,363	3.6%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	935	0.1%
Anaphylaxis [-183,-1]	885	0.1%
Angioedema [-183,-1]	1,865	0.2%
Aspiration of gastric contents [-183,-1]	38,545	3.5%
Asthma [-183,-1]	82,189	7.5%
Asthma exacerbation [-183,-1]	27,049	2.5%
Bronchiectasis [-183,-1]	8,433	0.8%
Cardiogenic risk factors [-183,-1]	371,812	34.0%
Covid-19 [-183,-1]	1,402	0.1%
Connective tissue rheumatic lung disease [-183,-1]	562	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	278,752	25.5%
COPD exacerbation [-183,-1]	236,424	21.6%
Congestive heart failure (CHF) [-183,-1]	388,574	35.5%
Cryptogenic organizing pneumonia (COP) [-183,-1]	451	0.0%
Cystic fibrosis [-183,-1]	771	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	663	0.1%
Hypersensitivity pneumonitis [-183,-1]	549	0.1%
Interstitial lung diseases [-183,-1]	13,202	1.2%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	3,354	0.3%
Influenza [-183,-1]	15,270	1.4%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	65	0.0%
Other lung disorders [-183,-1]	162,939	14.9%
Pancreatitis [-183,-1]	9,921	0.9%
Pneumoconioses [-183,-1]	2,238	0.2%
Pneumonia [-183,-1]	191,588	17.5%
Pulmonary contusion [-183,-1]	615	0.1%
Pulmonary embolism [-183,-1]	15,231	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	1,114	0.1%
Sarcoidosis [-183,-1]	5,021	0.5%
Sepsis [-183,-1]	116,124	10.6%
Sickle-cell disease with acute chest syndrome [-183,-1]	164	0.0%
Shock [-183,-1]	37,421	3.4%
Transfusion [-183,-1]	69,891	6.4%
Trauma [-183,-1]	75,570	6.9%

Table 1i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	424,292	38.8%
Acute on chronic respiratory failure [-1,0]	309,879	28.3%
Unspecified respiratory failure [-1,0]	63,990	5.9%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	713,535	65.3%
Post-procedural respiratory failure [-1,0]	9,446	0.9%
Acute respiratory distress syndrome [-1,0]	11,458	1.0%
Intubation [-1,0]	107,387	9.8%
Mechanical ventilation [-1,0]	113,912	10.4%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	607	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	1,093,113	100.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,093,113	100.0%
Mechanical ventilation and intubation [-1,0]	100,424	9.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	35,561	3.3%
Acute on chronic respiratory failure in ED [-1,0]	14,784	1.4%
Unspecified respiratory failure in ED [-1,0]	11,616	1.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	60,337	5.5%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	3,476	0.3%
Acute on chronic respiratory failure [-1,-1]	1,723	0.2%
Unspecified respiratory failure [-1,-1]	927	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	5,908	0.5%
Post-procedural respiratory failure [-1,-1]	15	0.0%
Acute respiratory distress syndrome [-1,-1]	208	0.0%
Intubation [-1,-1]	1,066	0.1%
Mechanical ventilation [-1,-1]	792	0.1%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	0	0.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	1,363	0.1%
Mechanical ventilation and intubation [-1,-1]	496	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	2,569	0.2%
Acute on chronic respiratory failure in ED [-1,-1]	1,352	0.1%
Unspecified respiratory failure in ED [-1,-1]	773	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	4,556	0.4%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.1	3.6

Table 1i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	21.3	22.3
Mean number of emergency room encounters	1.4	2.4
Mean number of inpatient hospital encounters	1.9	1.6
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	16.9	21.5
Mean number of unique drug classes	11.8	5.9
Mean number of generics	12.8	6.7
Mean number of filled prescriptions	35.9	28.8

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Characteristic¹	Number	
Number of episodes	1,246,458	
Number of unique patients	1,097,672	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.5	13.8
Age (Years)	Number	Percent
0-17	5,377	0.4%
18-39	43,843	3.5%
40-64	322,393	25.9%
65+	874,845	70.2%
Sex		
Female	540,879	49.3%
Male	556,793	50.7%
Race		
Unknown	130,944	11.9%
American Indian or Alaska Native	8,063	0.7%
Asian	21,698	2.0%
Black or African American	164,507	15.0%
Native Hawaiian or Other Pacific Islander	1,621	0.1%
White	770,839	70.2%
Ethnicity		
Hispanic Origin	28,367	2.6%
Year		
2016	249,566	20.0%
2017	341,522	27.4%
2018	329,417	26.4%
2019	325,953	26.2%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	869	0.1%
Anaphylaxis [0,0]	4,736	0.4%
Angioedema [0,0]	8,820	0.7%
Aspiration of gastric contents [0,0]	249,095	20.0%
Asthma [0,0]	53,266	4.3%
Asthma exacerbation [0,0]	13,981	1.1%
Bronchiectasis [0,0]	8,652	0.7%
Cardiogenic risk factors [0,0]	526,399	42.2%
Covid-19 [0,0]	1,287	0.1%
Connective tissue rheumatic lung disease [0,0]	711	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	240,463	19.3%
COPD exacerbation [0,0]	229,985	18.5%
Congestive heart failure (CHF) [0,0]	570,786	45.8%
Cryptogenic organizing pneumonia [0,0]	682	0.1%
Cystic fibrosis [0,0]	768	0.1%
Drowning [0,0]	260	0.0%
Drug-induced interstitial lung disorders [0,0]	880	0.1%

Table 1j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Hypersensitivity pneumonitis [0,0]	587	0.0%
Interstitial lung diseases [0,0]	15,499	1.2%
Idiopathic pulmonary fibrosis [0,0]	3,618	0.3%
Influenza [0,0]	21,522	1.7%
Non-specific interstitial pneumonitis [0,0]	111	0.0%
Other lung disorders [0,0]	398,095	31.9%
Pancreatitis [0,0]	22,139	1.8%
Pneumoconioses [0,0]	3,028	0.2%
Pneumonia [0,0]	444,109	35.6%
Pulmonary contusion [0,0]	7,433	0.6%
Pulmonary embolism [0,0]	37,363	3.0%
Radiation-associated pulmonary manifestations [0,0]	1,157	0.1%
Sarcoidosis [0,0]	4,475	0.4%
Sepsis [0,0]	535,702	43.0%
Sickle-cell disease with acute chest syndrome [0,0]	326	0.0%
Shock [0,0]	459,704	36.9%
Transfusion [0,0]	205,497	16.5%
Trauma [0,0]	106,851	8.6%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	915	0.1%
Anaphylaxis [-7,7]	4,847	0.4%
Angioedema [-7,7]	8,985	0.7%
Aspiration of gastric contents [-7,7]	254,664	20.4%
Asthma [-7,7]	58,692	4.7%
Asthma exacerbation [-7,7]	14,756	1.2%
Bronchiectasis [-7,7]	9,119	0.7%
Cardiogenic risk factors [-7,7]	539,127	43.3%
Covid-19 [-7,7]	1,359	0.1%
Connective tissue rheumatic lung disease [-7,7]	771	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	259,157	20.8%
COPD exacerbation [-7,7]	237,666	19.1%
Congestive heart failure (CHF) [-7,7]	583,304	46.8%
Cryptogenic organizing pneumonia [-7,7]	718	0.1%
Cystic fibrosis [-7,7]	788	0.1%
Drowning [-7,7]	264	0.0%
Drug-induced interstitial lung disorders [-7,7]	929	0.1%
Hypersensitivity pneumonitis [-7,7]	625	0.1%
Interstitial lung diseases [-7,7]	16,428	1.3%
Idiopathic pulmonary fibrosis [-7,7]	3,789	0.3%
Influenza [-7,7]	22,339	1.8%
Non-specific interstitial pneumonitis [-7,7]	114	0.0%
Other lung disorders [-7,7]	412,751	33.1%
Pancreatitis [-7,7]	23,170	1.9%
Pneumoconioses [-7,7]	3,213	0.3%
Pneumonia [-7,7]	457,542	36.7%

Table 1j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Pulmonary contusion [-7,7]	7,613	0.6%
Pulmonary embolism [-7,7]	38,954	3.1%
Radiation-associated pulmonary manifestations [-7,7]	1,212	0.1%
Sarcoidosis [-7,7]	4,629	0.4%
Sepsis [-7,7]	545,436	43.8%
Sickle-cell disease with acute chest syndrome [-7,7]	342	0.0%
Shock [-7,7]	467,663	37.5%
Transfusion [-7,7]	214,046	17.2%
Trauma [-7,7]	114,451	9.2%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	710	0.1%
Anaphylaxis [-183,-1]	1,082	0.1%
Angioedema [-183,-1]	2,678	0.2%
Aspiration of gastric contents [-183,-1]	62,200	5.0%
Asthma [-183,-1]	68,622	5.5%
Asthma exacerbation [-183,-1]	15,185	1.2%
Bronchiectasis [-183,-1]	7,202	0.6%
Cardiogenic risk factors [-183,-1]	325,221	26.1%
Covid-19 [-183,-1]	1,067	0.1%
Connective tissue rheumatic lung disease [-183,-1]	604	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	236,396	19.0%
COPD exacerbation [-183,-1]	162,062	13.0%
Congestive heart failure (CHF) [-183,-1]	346,212	27.8%
Cryptogenic organizing pneumonia (COP) [-183,-1]	347	0.0%
Cystic fibrosis [-183,-1]	654	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	515	0.0%
Hypersensitivity pneumonitis [-183,-1]	365	0.0%
Interstitial lung diseases [-183,-1]	10,977	0.9%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	2,404	0.2%
Influenza [-183,-1]	13,408	1.1%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	68	0.0%
Other lung disorders [-183,-1]	182,747	14.7%
Pancreatitis [-183,-1]	16,838	1.4%
Pneumoconioses [-183,-1]	1,755	0.1%
Pneumonia [-183,-1]	205,746	16.5%
Pulmonary contusion [-183,-1]	1,052	0.1%
Pulmonary embolism [-183,-1]	17,581	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	915	0.1%
Sarcoidosis [-183,-1]	3,956	0.3%
Sepsis [-183,-1]	172,315	13.8%
Sickle-cell disease with acute chest syndrome [-183,-1]	235	0.0%
Shock [-183,-1]	71,099	5.7%
Transfusion [-183,-1]	102,925	8.3%
Trauma [-183,-1]	94,953	7.6%

Table 1j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	817,430	65.6%
Acute on chronic respiratory failure [-1,0]	246,704	19.8%
Unspecified respiratory failure [-1,0]	170,344	13.7%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,060,374	85.1%
Post-procedural respiratory failure [-1,0]	48,643	3.9%
Acute respiratory distress syndrome [-1,0]	31,530	2.5%
Intubation [-1,0]	963,565	77.3%
Mechanical ventilation [-1,0]	1,246,458	100.0%
High-flow nasal cannula [-1,0]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	5,023	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	118,674	9.5%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,246,458	100.0%
Mechanical ventilation and intubation [-1,0]	963,565	77.3%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	45,182	3.6%
Acute on chronic respiratory failure in ED [-1,0]	6,829	0.5%
Unspecified respiratory failure in ED [-1,0]	20,482	1.6%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	69,943	5.6%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	6,892	0.6%
Acute on chronic respiratory failure [-1,-1]	1,480	0.1%
Unspecified respiratory failure [-1,-1]	2,853	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	10,843	0.9%
Post-procedural respiratory failure [-1,-1]	53	0.0%
Acute respiratory distress syndrome [-1,-1]	416	0.0%
Intubation [-1,-1]	12,546	1.0%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	33	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	2,906	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	14,650	1.2%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	5,210	0.4%
Acute on chronic respiratory failure in ED [-1,-1]	957	0.1%
Unspecified respiratory failure in ED [-1,-1]	2,501	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	8,400	0.7%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.7

Table 1j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and December 31, 2019

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.5	23.9
Mean number of emergency room encounters	1.2	2.2
Mean number of inpatient hospital encounters	2	1.5
Mean number of non-acute institutional encounters	0.4	1
Mean number of other ambulatory encounters	19	26.7
Mean number of unique drug classes	10.4	5.9
Mean number of generics	11.2	6.7
Mean number of filled prescriptions	31.9	28.2

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic ¹	Number	
Number of episodes	347,047	
Number of unique patients	327,966	
Demographics	Mean	Standard Deviation
Mean Age (Years)	71.3	12.8
Age (Years)	Number	Percent
0-17	930	0.3%
18-39	8,013	2.3%
40-64	76,939	22.2%
65+	261,165	75.3%
Sex		
Female	162,081	49.4%
Male	165,885	50.6%
Race		
Unknown	42,668	13.0%
American Indian or Alaska Native	2,339	0.7%
Asian	6,923	2.1%
Black or African American	51,578	15.7%
Native Hawaiian or Other Pacific Islander	726	0.2%
White	223,732	68.2%
Ethnicity		
Hispanic Origin	10,223	3.1%
Year		
2020	346,511	99.8%
2021	536	0.2%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	254	0.1%
Anaphylaxis [0,0]	970	0.3%
Angioedema [0,0]	1,329	0.4%
Aspiration of gastric contents [0,0]	54,761	15.8%
Asthma [0,0]	13,243	3.8%
Asthma exacerbation [0,0]	5,926	1.7%
Bronchiectasis [0,0]	3,393	1.0%
Cardiogenic risk factors [0,0]	176,140	50.8%
Covid-19 [0,0]	48,952	14.1%
Connective tissue rheumatic lung disease [0,0]	182	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	70,690	20.4%
COPD exacerbation [0,0]	84,589	24.4%
Congestive heart failure (CHF) [0,0]	181,783	52.4%
Cryptogenic organizing pneumonia [0,0]	168	0.0%
Cystic fibrosis [0,0]	164	0.0%
Drowning [0,0]	45	0.0%
Drug-induced interstitial lung disorders [0,0]	454	0.1%
Hypersensitivity pneumonitis [0,0]	213	0.1%
Interstitial lung diseases [0,0]	6,030	1.7%

Table 2a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	1,316	0.4%
Influenza [0,0]	8,102	2.3%
Non-specific interstitial pneumonitis [0,0]	35	0.0%
Other lung disorders [0,0]	113,721	32.8%
Pancreatitis [0,0]	4,993	1.4%
Pneumoconioses [0,0]	831	0.2%
Pneumonia [0,0]	160,011	46.1%
Pulmonary contusion [0,0]	1,244	0.4%
Pulmonary embolism [0,0]	10,831	3.1%
Radiation-associated pulmonary manifestations [0,0]	361	0.1%
Sarcoidosis [0,0]	1,506	0.4%
Sepsis [0,0]	148,990	42.9%
Sickle-cell disease with acute chest syndrome [0,0]	72	0.0%
Shock [0,0]	113,104	32.6%
Transfusion [0,0]	47,048	13.6%
Trauma [0,0]	22,205	6.4%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	266	0.1%
Anaphylaxis [-7,7]	1,005	0.3%
Angioedema [-7,7]	1,359	0.4%
Aspiration of gastric contents [-7,7]	56,420	16.3%
Asthma [-7,7]	14,394	4.1%
Asthma exacerbation [-7,7]	6,167	1.8%
Bronchiectasis [-7,7]	3,559	1.0%
Cardiogenic risk factors [-7,7]	179,367	51.7%
Covid-19 [-7,7]	49,297	14.2%
Connective tissue rheumatic lung disease [-7,7]	194	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	75,992	21.9%
COPD exacerbation [-7,7]	86,845	25.0%
Congestive heart failure (CHF) [-7,7]	185,050	53.3%
Cryptogenic organizing pneumonia [-7,7]	182	0.1%
Cystic fibrosis [-7,7]	168	0.0%
Drowning [-7,7]	45	0.0%
Drug-induced interstitial lung disorders [-7,7]	476	0.1%
Hypersensitivity pneumonitis [-7,7]	224	0.1%
Interstitial lung diseases [-7,7]	6,422	1.9%
Idiopathic pulmonary fibrosis [-7,7]	1,368	0.4%
Influenza [-7,7]	8,409	2.4%
Non-specific interstitial pneumonitis [-7,7]	37	0.0%
Other lung disorders [-7,7]	118,839	34.2%
Pancreatitis [-7,7]	5,247	1.5%
Pneumoconioses [-7,7]	869	0.3%
Pneumonia [-7,7]	163,924	47.2%
Pulmonary contusion [-7,7]	1,266	0.4%
Pulmonary embolism [-7,7]	11,310	3.3%
Radiation-associated pulmonary manifestations [-7,7]	383	0.1%

Table 2a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Sarcoidosis [-7,7]	1,556	0.4%
Sepsis [-7,7]	152,726	44.0%
Sickle-cell disease with acute chest syndrome [-7,7]	74	0.0%
Shock [-7,7]	116,877	33.7%
Transfusion [-7,7]	49,634	14.3%
Trauma [-7,7]	24,004	6.9%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	192	0.1%
Anaphylaxis [-183,-1]	251	0.1%
Angioedema [-183,-1]	518	0.1%
Aspiration of gastric contents [-183,-1]	12,845	3.7%
Asthma [-183,-1]	13,833	4.0%
Asthma exacerbation [-183,-1]	4,559	1.3%
Bronchiectasis [-183,-1]	2,273	0.7%
Cardiogenic risk factors [-183,-1]	95,268	27.5%
Covid-19 [-183,-1]	10,093	2.9%
Connective tissue rheumatic lung disease [-183,-1]	143	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	67,084	19.3%
COPD exacerbation [-183,-1]	48,465	14.0%
Congestive heart failure (CHF) [-183,-1]	99,146	28.6%
Cryptogenic organizing pneumonia (COP) [-183,-1]	92	0.0%
Cystic fibrosis [-183,-1]	135	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	184	0.1%
Hypersensitivity pneumonitis [-183,-1]	130	0.0%
Interstitial lung diseases [-183,-1]	3,427	1.0%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	715	0.2%
Influenza [-183,-1]	4,761	1.4%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	17	0.0%
Other lung disorders [-183,-1]	49,816	14.4%
Pancreatitis [-183,-1]	3,453	1.0%
Pneumoconioses [-183,-1]	508	0.1%
Pneumonia [-183,-1]	58,485	16.9%
Pulmonary contusion [-183,-1]	210	0.1%
Pulmonary embolism [-183,-1]	4,478	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	247	0.1%
Sarcoidosis [-183,-1]	1,069	0.3%
Sepsis [-183,-1]	41,356	11.9%
Sickle-cell disease with acute chest syndrome [-183,-1]	36	0.0%
Shock [-183,-1]	14,690	4.2%
Transfusion [-183,-1]	21,472	6.2%
Trauma [-183,-1]	22,307	6.4%

Table 2a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	239,496	69.0%
Acute on chronic respiratory failure [-1,0]	91,702	26.4%
Unspecified respiratory failure [-1,0]	44,322	12.8%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	318,681	91.8%
Post-procedural respiratory failure [-1,0]	5,436	1.6%
Acute respiratory distress syndrome [-1,0]	19,970	5.8%
Intubation [-1,0]	189,417	54.6%
Mechanical ventilation [-1,0]	223,093	64.3%
High-flow nasal cannula [-1,0]	585	0.2%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	1,534	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	137,603	39.6%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	337,824	97.3%
Mechanical ventilation and intubation [-1,0]	188,007	54.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	19,259	5.5%
Acute on chronic respiratory failure in ED [-1,0]	3,489	1.0%
Unspecified respiratory failure in ED [-1,0]	5,941	1.7%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	27,714	8.0%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	2,593	0.7%
Acute on chronic respiratory failure [-1,-1]	547	0.2%
Unspecified respiratory failure [-1,-1]	864	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	3,895	1.1%
Post-procedural respiratory failure [-1,-1]	*****	*****
Acute respiratory distress syndrome [-1,-1]	99	0.0%
Intubation [-1,-1]	3,423	1.0%
Mechanical ventilation [-1,-1]	1,255	0.4%
High-flow nasal cannula [-1,-1]	*****	*****
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	1,050	0.3%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	4,572	1.3%
Mechanical ventilation and intubation [-1,-1]	933	0.3%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	2,526	0.7%
Acute on chronic respiratory failure in ED [-1,-1]	533	0.2%
Unspecified respiratory failure in ED [-1,-1]	854	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	3,810	1.1%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.4	3.5

Table 2a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.7	24
Mean number of emergency room encounters	1.2	2.2
Mean number of inpatient hospital encounters	1.9	1.4
Mean number of non-acute institutional encounters	0.3	0.8
Mean number of other ambulatory encounters	16.9	23.8
Mean number of unique drug classes	10.5	5.9
Mean number of generics	11.3	6.6
Mean number of filled prescriptions	31.2	28.1

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic¹	Number	
Number of episodes	199,034	
Number of unique patients	194,699	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.4	12.7
Age (Years)	Number	Percent
0-17	405	0.2%
18-39	5,343	2.7%
40-64	46,937	23.6%
65+	146,349	73.5%
Sex		
Female	92,414	47.5%
Male	102,285	52.5%
Race		
Unknown	27,070	13.9%
American Indian or Alaska Native	1,464	0.8%
Asian	4,405	2.3%
Black or African American	34,222	17.6%
Native Hawaiian or Other Pacific Islander	414	0.2%
White	127,124	65.3%
Ethnicity		
Hispanic Origin	6,894	3.5%
Year		
2020	198,805	99.9%
2021	229	0.1%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	94	0.0%
Anaphylaxis [0,0]	786	0.4%
Angioedema [0,0]	1,195	0.6%
Aspiration of gastric contents [0,0]	39,386	19.8%
Asthma [0,0]	7,373	3.7%
Asthma exacerbation [0,0]	2,259	1.1%
Bronchiectasis [0,0]	1,556	0.8%
Cardiogenic risk factors [0,0]	90,163	45.3%
Covid-19 [0,0]	36,509	18.3%
Connective tissue rheumatic lung disease [0,0]	95	0.0%
Chronic obstructive pulmonary disorder (COPD) [0,0]	35,472	17.8%
COPD exacerbation [0,0]	37,203	18.7%
Congestive heart failure (CHF) [0,0]	93,795	47.1%
Cryptogenic organizing pneumonia [0,0]	94	0.0%
Cystic fibrosis [0,0]	82	0.0%
Drowning [0,0]	27	0.0%
Drug-induced interstitial lung disorders [0,0]	216	0.1%
Hypersensitivity pneumonitis [0,0]	93	0.0%
Interstitial lung diseases [0,0]	3,238	1.6%

Table 2b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	517	0.3%
Influenza [0,0]	4,161	2.1%
Non-specific interstitial pneumonitis [0,0]	19	0.0%
Other lung disorders [0,0]	67,942	34.1%
Pancreatitis [0,0]	3,665	1.8%
Pneumoconioses [0,0]	460	0.2%
Pneumonia [0,0]	101,167	50.8%
Pulmonary contusion [0,0]	875	0.4%
Pulmonary embolism [0,0]	6,939	3.5%
Radiation-associated pulmonary manifestations [0,0]	175	0.1%
Sarcoidosis [0,0]	736	0.4%
Sepsis [0,0]	105,589	53.1%
Sickle-cell disease with acute chest syndrome [0,0]	49	0.0%
Shock [0,0]	90,870	45.7%
Transfusion [0,0]	32,523	16.3%
Trauma [0,0]	15,573	7.8%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	98	0.0%
Anaphylaxis [-7,7]	812	0.4%
Angioedema [-7,7]	1,218	0.6%
Aspiration of gastric contents [-7,7]	40,578	20.4%
Asthma [-7,7]	8,032	4.0%
Asthma exacerbation [-7,7]	2,386	1.2%
Bronchiectasis [-7,7]	1,653	0.8%
Cardiogenic risk factors [-7,7]	92,230	46.3%
Covid-19 [-7,7]	36,724	18.5%
Connective tissue rheumatic lung disease [-7,7]	101	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	37,951	19.1%
COPD exacerbation [-7,7]	38,415	19.3%
Congestive heart failure (CHF) [-7,7]	95,857	48.2%
Cryptogenic organizing pneumonia [-7,7]	102	0.1%
Cystic fibrosis [-7,7]	84	0.0%
Drowning [-7,7]	27	0.0%
Drug-induced interstitial lung disorders [-7,7]	229	0.1%
Hypersensitivity pneumonitis [-7,7]	99	0.0%
Interstitial lung diseases [-7,7]	3,457	1.7%
Idiopathic pulmonary fibrosis [-7,7]	541	0.3%
Influenza [-7,7]	4,333	2.2%
Non-specific interstitial pneumonitis [-7,7]	20	0.0%
Other lung disorders [-7,7]	70,898	35.6%
Pancreatitis [-7,7]	3,854	1.9%
Pneumoconioses [-7,7]	479	0.2%
Pneumonia [-7,7]	103,468	52.0%
Pulmonary contusion [-7,7]	890	0.4%
Pulmonary embolism [-7,7]	7,245	3.6%

Table 2b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	186	0.1%
Sarcoidosis [-7,7]	763	0.4%
Sepsis [-7,7]	108,171	54.3%
Sickle-cell disease with acute chest syndrome [-7,7]	51	0.0%
Shock [-7,7]	93,814	47.1%
Transfusion [-7,7]	34,235	17.2%
Trauma [-7,7]	16,662	8.4%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	80	0.0%
Anaphylaxis [-183,-1]	148	0.1%
Angioedema [-183,-1]	331	0.2%
Aspiration of gastric contents [-183,-1]	7,111	3.6%
Asthma [-183,-1]	7,616	3.8%
Asthma exacerbation [-183,-1]	1,936	1.0%
Bronchiectasis [-183,-1]	1,034	0.5%
Cardiogenic risk factors [-183,-1]	47,734	24.0%
Covid-19 [-183,-1]	6,534	3.3%
Connective tissue rheumatic lung disease [-183,-1]	73	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	32,503	16.3%
COPD exacerbation [-183,-1]	20,981	10.5%
Congestive heart failure (CHF) [-183,-1]	50,025	25.1%
Cryptogenic organizing pneumonia (COP) [-183,-1]	50	0.0%
Cystic fibrosis [-183,-1]	67	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	95	0.0%
Hypersensitivity pneumonitis [-183,-1]	62	0.0%
Interstitial lung diseases [-183,-1]	1,652	0.8%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	279	0.1%
Influenza [-183,-1]	2,715	1.4%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	12	0.0%
Other lung disorders [-183,-1]	25,675	12.9%
Pancreatitis [-183,-1]	2,328	1.2%
Pneumoconioses [-183,-1]	233	0.1%
Pneumonia [-183,-1]	30,648	15.4%
Pulmonary contusion [-183,-1]	110	0.1%
Pulmonary embolism [-183,-1]	2,546	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	113	0.1%
Sarcoidosis [-183,-1]	554	0.3%
Sepsis [-183,-1]	23,593	11.9%
Sickle-cell disease with acute chest syndrome [-183,-1]	28	0.0%
Shock [-183,-1]	8,629	4.3%
Transfusion [-183,-1]	12,489	6.3%
Trauma [-183,-1]	13,089	6.6%

Table 2b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	150,408	75.6%
Acute on chronic respiratory failure [-1,0]	36,642	18.4%
Unspecified respiratory failure [-1,0]	31,436	15.8%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	181,201	91.0%
Post-procedural respiratory failure [-1,0]	3,117	1.6%
Acute respiratory distress syndrome [-1,0]	17,490	8.8%
Intubation [-1,0]	189,772	95.3%
Mechanical ventilation [-1,0]	193,750	97.3%
High-flow nasal cannula [-1,0]	118	0.1%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	750	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	23,641	11.9%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	194,726	97.8%
Mechanical ventilation and intubation [-1,0]	189,411	95.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	11,597	5.8%
Acute on chronic respiratory failure in ED [-1,0]	1,324	0.7%
Unspecified respiratory failure in ED [-1,0]	3,917	2.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	16,153	8.1%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	1,107	0.6%
Acute on chronic respiratory failure [-1,-1]	154	0.1%
Unspecified respiratory failure [-1,-1]	349	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	1,568	0.8%
Post-procedural respiratory failure [-1,-1]	*****	*****
Acute respiratory distress syndrome [-1,-1]	50	0.0%
Intubation [-1,-1]	1,378	0.7%
Mechanical ventilation [-1,-1]	352	0.2%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	331	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	1,730	0.9%
Mechanical ventilation and intubation [-1,-1]	257	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	1,062	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	142	0.1%
Unspecified respiratory failure in ED [-1,-1]	339	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	1,505	0.8%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.4	3.6

Table 2b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.8	24.7
Mean number of emergency room encounters	1.3	2.3
Mean number of inpatient hospital encounters	1.8	1.4
Mean number of non-acute institutional encounters	0.3	0.9
Mean number of other ambulatory encounters	16	22.4
Mean number of unique drug classes	10	5.8
Mean number of generics	10.8	6.5
Mean number of filled prescriptions	29.6	27

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic ¹	Number	
Number of episodes	951,077	
Number of unique patients	847,979	
Demographics	Mean	Standard Deviation
Mean Age (Years)	73.1	13
Age (Years)	Number	Percent
0-17	2,363	0.2%
18-39	18,476	1.9%
40-64	182,600	19.2%
65+	747,638	78.6%
Sex		
Female	446,929	52.7%
Male	401,050	47.3%
Race		
Unknown	120,751	14.2%
American Indian or Alaska Native	5,634	0.7%
Asian	14,627	1.7%
Black or African American	104,991	12.4%
Native Hawaiian or Other Pacific Islander	1,640	0.2%
White	600,336	70.8%
Ethnicity		
Hispanic Origin	22,972	2.7%
Year		
2020	949,283	99.8%
2021	1,794	0.2%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	819	0.1%
Anaphylaxis [0,0]	1,307	0.1%
Angioedema [0,0]	1,578	0.2%
Aspiration of gastric contents [0,0]	104,926	11.0%
Asthma [0,0]	39,248	4.1%
Asthma exacerbation [0,0]	20,432	2.1%
Bronchiectasis [0,0]	11,240	1.2%
Cardiogenic risk factors [0,0]	457,340	48.1%
Covid-19 [0,0]	147,621	15.5%
Connective tissue rheumatic lung disease [0,0]	590	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	196,520	20.7%
COPD exacerbation [0,0]	240,698	25.3%
Congestive heart failure (CHF) [0,0]	472,312	49.7%
Cryptogenic organizing pneumonia [0,0]	468	0.0%
Cystic fibrosis [0,0]	474	0.0%
Drowning [0,0]	56	0.0%
Drug-induced interstitial lung disorders [0,0]	1,494	0.2%
Hypersensitivity pneumonitis [0,0]	746	0.1%
Interstitial lung diseases [0,0]	17,146	1.8%

Table 2c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	4,274	0.4%
Influenza [0,0]	26,050	2.7%
Non-specific interstitial pneumonitis [0,0]	77	0.0%
Other lung disorders [0,0]	279,312	29.4%
Pancreatitis [0,0]	10,292	1.1%
Pneumoconioses [0,0]	2,031	0.2%
Pneumonia [0,0]	427,886	45.0%
Pulmonary contusion [0,0]	2,059	0.2%
Pulmonary embolism [0,0]	32,540	3.4%
Radiation-associated pulmonary manifestations [0,0]	1,206	0.1%
Sarcoidosis [0,0]	4,163	0.4%
Sepsis [0,0]	301,233	31.7%
Sickle-cell disease with acute chest syndrome [0,0]	284	0.0%
Shock [0,0]	149,920	15.8%
Transfusion [0,0]	77,781	8.2%
Trauma [0,0]	41,612	4.4%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	846	0.1%
Anaphylaxis [-7,7]	1,354	0.1%
Angioedema [-7,7]	1,643	0.2%
Aspiration of gastric contents [-7,7]	107,569	11.3%
Asthma [-7,7]	42,449	4.5%
Asthma exacerbation [-7,7]	21,159	2.2%
Bronchiectasis [-7,7]	11,731	1.2%
Cardiogenic risk factors [-7,7]	465,609	49.0%
Covid-19 [-7,7]	148,693	15.6%
Connective tissue rheumatic lung disease [-7,7]	615	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	211,552	22.2%
COPD exacerbation [-7,7]	246,741	25.9%
Congestive heart failure (CHF) [-7,7]	480,793	50.6%
Cryptogenic organizing pneumonia [-7,7]	492	0.1%
Cystic fibrosis [-7,7]	486	0.1%
Drowning [-7,7]	56	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,556	0.2%
Hypersensitivity pneumonitis [-7,7]	780	0.1%
Interstitial lung diseases [-7,7]	18,096	1.9%
Idiopathic pulmonary fibrosis [-7,7]	4,426	0.5%
Influenza [-7,7]	26,901	2.8%
Non-specific interstitial pneumonitis [-7,7]	83	0.0%
Other lung disorders [-7,7]	291,785	30.7%
Pancreatitis [-7,7]	10,808	1.1%
Pneumoconioses [-7,7]	2,132	0.2%
Pneumonia [-7,7]	437,667	46.0%
Pulmonary contusion [-7,7]	2,122	0.2%
Pulmonary embolism [-7,7]	33,744	3.5%

Table 2c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	1,255	0.1%
Sarcoidosis [-7,7]	4,290	0.5%
Sepsis [-7,7]	308,718	32.5%
Sickle-cell disease with acute chest syndrome [-7,7]	294	0.0%
Shock [-7,7]	154,670	16.3%
Transfusion [-7,7]	82,449	8.7%
Trauma [-7,7]	46,103	4.8%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	533	0.1%
Anaphylaxis [-183,-1]	564	0.1%
Angioedema [-183,-1]	1,191	0.1%
Aspiration of gastric contents [-183,-1]	30,597	3.2%
Asthma [-183,-1]	36,138	3.8%
Asthma exacerbation [-183,-1]	11,951	1.3%
Bronchiectasis [-183,-1]	6,436	0.7%
Cardiogenic risk factors [-183,-1]	241,946	25.4%
Covid-19 [-183,-1]	28,819	3.0%
Connective tissue rheumatic lung disease [-183,-1]	417	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	177,765	18.7%
COPD exacerbation [-183,-1]	123,345	13.0%
Congestive heart failure (CHF) [-183,-1]	253,004	26.6%
Cryptogenic organizing pneumonia (COP) [-183,-1]	267	0.0%
Cystic fibrosis [-183,-1]	367	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	552	0.1%
Hypersensitivity pneumonitis [-183,-1]	347	0.0%
Interstitial lung diseases [-183,-1]	9,689	1.0%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	2,161	0.2%
Influenza [-183,-1]	12,634	1.3%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	50	0.0%
Other lung disorders [-183,-1]	131,855	13.9%
Pancreatitis [-183,-1]	8,346	0.9%
Pneumoconioses [-183,-1]	1,265	0.1%
Pneumonia [-183,-1]	149,563	15.7%
Pulmonary contusion [-183,-1]	590	0.1%
Pulmonary embolism [-183,-1]	11,916	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	700	0.1%
Sarcoidosis [-183,-1]	2,678	0.3%
Sepsis [-183,-1]	98,374	10.3%
Sickle-cell disease with acute chest syndrome [-183,-1]	200	0.0%
Shock [-183,-1]	33,032	3.5%
Transfusion [-183,-1]	49,370	5.2%
Trauma [-183,-1]	57,742	6.1%

Table 2c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	707,099	74.3%
Acute on chronic respiratory failure [-1,0]	246,310	25.9%
Unspecified respiratory failure [-1,0]	90,456	9.5%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	951,077	100.0%
Post-procedural respiratory failure [-1,0]	4,995	0.5%
Acute respiratory distress syndrome [-1,0]	14,660	1.5%
Intubation [-1,0]	181,466	19.1%
Mechanical ventilation [-1,0]	202,926	21.3%
High-flow nasal cannula [-1,0]	538	0.1%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	1,399	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	129,393	13.6%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	321,779	33.8%
Mechanical ventilation and intubation [-1,0]	169,886	17.9%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	65,725	6.9%
Acute on chronic respiratory failure in ED [-1,0]	17,419	1.8%
Unspecified respiratory failure in ED [-1,0]	14,276	1.5%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	95,343	10.0%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	0	0.0%
Acute on chronic respiratory failure [-1,-1]	0	0.0%
Unspecified respiratory failure [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	0	0.0%
Post-procedural respiratory failure [-1,-1]	20	0.0%
Acute respiratory distress syndrome [-1,-1]	136	0.0%
Intubation [-1,-1]	2,032	0.2%
Mechanical ventilation [-1,-1]	897	0.1%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	976	0.1%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	3,167	0.3%
Mechanical ventilation and intubation [-1,-1]	674	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	0	0.0%
Acute on chronic respiratory failure in ED [-1,-1]	0	0.0%
Unspecified respiratory failure in ED [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	0	0.0%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	6.9	3.6

Table 2c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	18.8	22.4
Mean number of emergency room encounters	1.3	2.2
Mean number of inpatient hospital encounters	1.7	1.3
Mean number of non-acute institutional encounters	0.3	0.8
Mean number of other ambulatory encounters	14.9	21.2
Mean number of unique drug classes	10.3	5.7
Mean number of generics	11.1	6.4
Mean number of filled prescriptions	30.7	27.2

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic¹	Number	
Number of episodes	718,979	
Number of unique patients	670,221	
Demographics	Mean	Standard Deviation
Mean Age (Years)	73.1	13.4
Age (Years)	Number	Percent
0-17	2,088	0.3%
18-39	15,488	2.2%
40-64	138,558	19.3%
65+	562,845	78.3%
Sex		
Female	345,712	51.6%
Male	324,509	48.4%
Race		
Unknown	105,481	15.7%
American Indian or Alaska Native	4,443	0.7%
Asian	12,419	1.9%
Black or African American	85,667	12.8%
Native Hawaiian or Other Pacific Islander	1,429	0.2%
White	460,782	68.8%
Ethnicity		
Hispanic Origin	19,685	2.9%
Year		
2020	717,507	99.8%
2021	1,472	0.2%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	307	0.0%
Anaphylaxis [0,0]	1,128	0.2%
Angioedema [0,0]	1,379	0.2%
Aspiration of gastric contents [0,0]	86,607	12.0%
Asthma [0,0]	31,843	4.4%
Asthma exacerbation [0,0]	15,947	2.2%
Bronchiectasis [0,0]	6,876	1.0%
Cardiogenic risk factors [0,0]	328,154	45.6%
Covid-19 [0,0]	133,222	18.5%
Connective tissue rheumatic lung disease [0,0]	276	0.0%
Chronic obstructive pulmonary disorder (COPD) [0,0]	130,001	18.1%
COPD exacerbation [0,0]	141,002	19.6%
Congestive heart failure (CHF) [0,0]	340,658	47.4%
Cryptogenic organizing pneumonia [0,0]	323	0.0%
Cystic fibrosis [0,0]	249	0.0%
Drowning [0,0]	53	0.0%
Drug-induced interstitial lung disorders [0,0]	1,091	0.2%
Hypersensitivity pneumonitis [0,0]	407	0.1%
Interstitial lung diseases [0,0]	11,232	1.6%

Table 2d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	1,721	0.2%
Influenza [0,0]	20,108	2.8%
Non-specific interstitial pneumonitis [0,0]	55	0.0%
Other lung disorders [0,0]	221,091	30.8%
Pancreatitis [0,0]	8,573	1.2%
Pneumoconioses [0,0]	1,256	0.2%
Pneumonia [0,0]	340,519	47.4%
Pulmonary contusion [0,0]	1,789	0.2%
Pulmonary embolism [0,0]	27,625	3.8%
Radiation-associated pulmonary manifestations [0,0]	709	0.1%
Sarcoidosis [0,0]	2,611	0.4%
Sepsis [0,0]	246,921	34.3%
Sickle-cell disease with acute chest syndrome [0,0]	244	0.0%
Shock [0,0]	127,419	17.7%
Transfusion [0,0]	62,540	8.7%
Trauma [0,0]	33,401	4.6%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	322	0.0%
Anaphylaxis [-7,7]	1,165	0.2%
Angioedema [-7,7]	1,430	0.2%
Aspiration of gastric contents [-7,7]	88,641	12.3%
Asthma [-7,7]	34,376	4.8%
Asthma exacerbation [-7,7]	16,522	2.3%
Bronchiectasis [-7,7]	7,222	1.0%
Cardiogenic risk factors [-7,7]	334,443	46.5%
Covid-19 [-7,7]	134,067	18.6%
Connective tissue rheumatic lung disease [-7,7]	291	0.0%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	139,478	19.4%
COPD exacerbation [-7,7]	145,105	20.2%
Congestive heart failure (CHF) [-7,7]	347,241	48.3%
Cryptogenic organizing pneumonia [-7,7]	343	0.0%
Cystic fibrosis [-7,7]	259	0.0%
Drowning [-7,7]	53	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,141	0.2%
Hypersensitivity pneumonitis [-7,7]	434	0.1%
Interstitial lung diseases [-7,7]	11,934	1.7%
Idiopathic pulmonary fibrosis [-7,7]	1,799	0.3%
Influenza [-7,7]	20,738	2.9%
Non-specific interstitial pneumonitis [-7,7]	61	0.0%
Other lung disorders [-7,7]	230,718	32.1%
Pancreatitis [-7,7]	8,979	1.2%
Pneumoconioses [-7,7]	1,325	0.2%
Pneumonia [-7,7]	347,926	48.4%
Pulmonary contusion [-7,7]	1,842	0.3%
Pulmonary embolism [-7,7]	28,616	4.0%

Table 2d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	737	0.1%
Sarcoidosis [-7,7]	2,704	0.4%
Sepsis [-7,7]	252,807	35.2%
Sickle-cell disease with acute chest syndrome [-7,7]	252	0.0%
Shock [-7,7]	131,167	18.2%
Transfusion [-7,7]	66,226	9.2%
Trauma [-7,7]	36,817	5.1%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	208	0.0%
Anaphylaxis [-183,-1]	408	0.1%
Angioedema [-183,-1]	924	0.1%
Aspiration of gastric contents [-183,-1]	21,371	3.0%
Asthma [-183,-1]	26,468	3.7%
Asthma exacerbation [-183,-1]	8,188	1.1%
Bronchiectasis [-183,-1]	3,485	0.5%
Cardiogenic risk factors [-183,-1]	160,616	22.3%
Covid-19 [-183,-1]	25,221	3.5%
Connective tissue rheumatic lung disease [-183,-1]	196	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	104,789	14.6%
COPD exacerbation [-183,-1]	63,573	8.8%
Congestive heart failure (CHF) [-183,-1]	169,565	23.6%
Cryptogenic organizing pneumonia (COP) [-183,-1]	136	0.0%
Cystic fibrosis [-183,-1]	188	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	303	0.0%
Hypersensitivity pneumonitis [-183,-1]	170	0.0%
Interstitial lung diseases [-183,-1]	5,421	0.8%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	814	0.1%
Influenza [-183,-1]	8,734	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	24	0.0%
Other lung disorders [-183,-1]	92,180	12.8%
Pancreatitis [-183,-1]	6,481	0.9%
Pneumoconioses [-183,-1]	680	0.1%
Pneumonia [-183,-1]	100,820	14.0%
Pulmonary contusion [-183,-1]	458	0.1%
Pulmonary embolism [-183,-1]	8,646	1.2%
Radiation-associated pulmonary manifestations [-183,-1]	349	0.0%
Sarcoidosis [-183,-1]	1,608	0.2%
Sepsis [-183,-1]	70,146	9.8%
Sickle-cell disease with acute chest syndrome [-183,-1]	149	0.0%
Shock [-183,-1]	23,521	3.3%
Transfusion [-183,-1]	35,870	5.0%
Trauma [-183,-1]	42,674	5.9%

Table 2d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	718,979	100.0%
Acute on chronic respiratory failure [-1,0]	45,540	6.3%
Unspecified respiratory failure [-1,0]	48,982	6.8%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	718,979	100.0%
Post-procedural respiratory failure [-1,0]	4,285	0.6%
Acute respiratory distress syndrome [-1,0]	13,944	1.9%
Intubation [-1,0]	154,736	21.5%
Mechanical ventilation [-1,0]	169,655	23.6%
High-flow nasal cannula [-1,0]	499	0.1%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	1,251	0.2%
Continuous positive airway pressure (CPAP) [-1,0]	86,908	12.1%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	248,635	34.6%
Mechanical ventilation and intubation [-1,0]	145,591	20.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	67,419	9.4%
Acute on chronic respiratory failure in ED [-1,0]	3,799	0.5%
Unspecified respiratory failure in ED [-1,0]	7,018	1.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	76,104	10.6%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	0	0.0%
Acute on chronic respiratory failure [-1,-1]	533	0.1%
Unspecified respiratory failure [-1,-1]	995	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	1,520	0.2%
Post-procedural respiratory failure [-1,-1]	21	0.0%
Acute respiratory distress syndrome [-1,-1]	121	0.0%
Intubation [-1,-1]	2,286	0.3%
Mechanical ventilation [-1,-1]	1,004	0.1%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	850	0.1%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	3,256	0.5%
Mechanical ventilation and intubation [-1,-1]	800	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	0	0.0%
Acute on chronic respiratory failure in ED [-1,-1]	376	0.1%
Unspecified respiratory failure in ED [-1,-1]	849	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	1,223	0.2%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	6.7	3.6

Table 2d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	18.6	22.8
Mean number of emergency room encounters	1.3	2.2
Mean number of inpatient hospital encounters	1.7	1.3
Mean number of non-acute institutional encounters	0.3	0.7
Mean number of other ambulatory encounters	13.6	19.7
Mean number of unique drug classes	9.8	5.6
Mean number of generics	10.6	6.2
Mean number of filled prescriptions	28.9	26.1

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic ¹	Number	
Number of episodes	263,967	
Number of unique patients	224,221	
Demographics	Mean	Standard Deviation
Mean Age (Years)	72.7	11.6
Age (Years)	Number	Percent
0-17	290	0.1%
18-39	2,990	1.1%
40-64	52,756	20.0%
65+	207,931	78.8%
Sex		
Female	126,647	56.5%
Male	97,574	43.5%
Race		
Unknown	24,308	10.8%
American Indian or Alaska Native	1,422	0.6%
Asian	2,286	1.0%
Black or African American	24,594	11.0%
Native Hawaiian or Other Pacific Islander	319	0.1%
White	171,292	76.4%
Ethnicity		
Hispanic Origin	3,662	1.6%
Year		
2020	263,550	99.8%
2021	417	0.2%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	583	0.2%
Anaphylaxis [0,0]	205	0.1%
Angioedema [0,0]	203	0.1%
Aspiration of gastric contents [0,0]	23,552	8.9%
Asthma [0,0]	8,623	3.3%
Asthma exacerbation [0,0]	5,681	2.2%
Bronchiectasis [0,0]	5,749	2.2%
Cardiogenic risk factors [0,0]	158,059	59.9%
Covid-19 [0,0]	16,993	6.4%
Connective tissue rheumatic lung disease [0,0]	390	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	89,038	33.7%
COPD exacerbation [0,0]	128,126	48.5%
Congestive heart failure (CHF) [0,0]	161,634	61.2%
Cryptogenic organizing pneumonia [0,0]	231	0.1%
Cystic fibrosis [0,0]	269	0.1%
Drowning [0,0]	*****	*****
Drug-induced interstitial lung disorders [0,0]	579	0.2%
Hypersensitivity pneumonitis [0,0]	427	0.2%
Interstitial lung diseases [0,0]	8,668	3.3%

Table 2e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	3,251	1.2%
Influenza [0,0]	7,204	2.7%
Non-specific interstitial pneumonitis [0,0]	52	0.0%
Other lung disorders [0,0]	83,908	31.8%
Pancreatitis [0,0]	1,926	0.7%
Pneumoconioses [0,0]	970	0.4%
Pneumonia [0,0]	112,712	42.7%
Pulmonary contusion [0,0]	216	0.1%
Pulmonary embolism [0,0]	6,970	2.6%
Radiation-associated pulmonary manifestations [0,0]	672	0.3%
Sarcoidosis [0,0]	1,880	0.7%
Sepsis [0,0]	67,870	25.7%
Sickle-cell disease with acute chest syndrome [0,0]	42	0.0%
Shock [0,0]	28,776	10.9%
Transfusion [0,0]	17,215	6.5%
Trauma [0,0]	8,274	3.1%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	602	0.2%
Anaphylaxis [-7,7]	213	0.1%
Angioedema [-7,7]	220	0.1%
Aspiration of gastric contents [-7,7]	24,150	9.1%
Asthma [-7,7]	9,466	3.6%
Asthma exacerbation [-7,7]	5,912	2.2%
Bronchiectasis [-7,7]	5,954	2.3%
Cardiogenic risk factors [-7,7]	160,142	60.7%
Covid-19 [-7,7]	17,249	6.5%
Connective tissue rheumatic lung disease [-7,7]	407	0.2%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	96,109	36.4%
COPD exacerbation [-7,7]	130,672	49.5%
Congestive heart failure (CHF) [-7,7]	163,706	62.0%
Cryptogenic organizing pneumonia [-7,7]	238	0.1%
Cystic fibrosis [-7,7]	275	0.1%
Drowning [-7,7]	*****	*****
Drug-induced interstitial lung disorders [-7,7]	602	0.2%
Hypersensitivity pneumonitis [-7,7]	437	0.2%
Interstitial lung diseases [-7,7]	9,063	3.4%
Idiopathic pulmonary fibrosis [-7,7]	3,351	1.3%
Influenza [-7,7]	7,469	2.8%
Non-specific interstitial pneumonitis [-7,7]	55	0.0%
Other lung disorders [-7,7]	87,529	33.2%
Pancreatitis [-7,7]	2,052	0.8%
Pneumoconioses [-7,7]	1,018	0.4%
Pneumonia [-7,7]	115,713	43.8%
Pulmonary contusion [-7,7]	222	0.1%
Pulmonary embolism [-7,7]	7,253	2.7%

Table 2e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	701	0.3%
Sarcoidosis [-7,7]	1,920	0.7%
Sepsis [-7,7]	69,808	26.4%
Sickle-cell disease with acute chest syndrome [-7,7]	45	0.0%
Shock [-7,7]	29,699	11.3%
Transfusion [-7,7]	18,324	6.9%
Trauma [-7,7]	9,436	3.6%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	403	0.2%
Anaphylaxis [-183,-1]	220	0.1%
Angioedema [-183,-1]	379	0.1%
Aspiration of gastric contents [-183,-1]	13,341	5.1%
Asthma [-183,-1]	12,022	4.6%
Asthma exacerbation [-183,-1]	5,290	2.0%
Bronchiectasis [-183,-1]	4,120	1.6%
Cardiogenic risk factors [-183,-1]	104,512	39.6%
Covid-19 [-183,-1]	6,440	2.4%
Connective tissue rheumatic lung disease [-183,-1]	294	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	94,777	35.9%
COPD exacerbation [-183,-1]	81,385	30.8%
Congestive heart failure (CHF) [-183,-1]	107,514	40.7%
Cryptogenic organizing pneumonia (COP) [-183,-1]	178	0.1%
Cystic fibrosis [-183,-1]	231	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	386	0.1%
Hypersensitivity pneumonitis [-183,-1]	246	0.1%
Interstitial lung diseases [-183,-1]	6,280	2.4%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	1,768	0.7%
Influenza [-183,-1]	5,181	2.0%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	39	0.0%
Other lung disorders [-183,-1]	59,857	22.7%
Pancreatitis [-183,-1]	2,290	0.9%
Pneumoconioses [-183,-1]	818	0.3%
Pneumonia [-183,-1]	70,514	26.7%
Pulmonary contusion [-183,-1]	206	0.1%
Pulmonary embolism [-183,-1]	5,076	1.9%
Radiation-associated pulmonary manifestations [-183,-1]	486	0.2%
Sarcoidosis [-183,-1]	1,353	0.5%
Sepsis [-183,-1]	39,802	15.1%
Sickle-cell disease with acute chest syndrome [-183,-1]	55	0.0%
Shock [-183,-1]	13,906	5.3%
Transfusion [-183,-1]	16,745	6.3%
Trauma [-183,-1]	17,288	6.5%

Table 2e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	47,294	17.9%
Acute on chronic respiratory failure [-1,0]	263,967	100.0%
Unspecified respiratory failure [-1,0]	15,973	6.1%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	263,967	100.0%
Post-procedural respiratory failure [-1,0]	761	0.3%
Acute respiratory distress syndrome [-1,0]	2,923	1.1%
Intubation [-1,0]	35,477	13.4%
Mechanical ventilation [-1,0]	45,311	17.2%
High-flow nasal cannula [-1,0]	104	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	284	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	56,387	21.4%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	94,830	35.9%
Mechanical ventilation and intubation [-1,0]	34,056	12.9%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	10,050	3.8%
Acute on chronic respiratory failure in ED [-1,0]	18,501	7.0%
Unspecified respiratory failure in ED [-1,0]	2,912	1.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	30,166	11.4%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	1,547	0.6%
Acute on chronic respiratory failure [-1,-1]	0	0.0%
Unspecified respiratory failure [-1,-1]	474	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	1,972	0.7%
Post-procedural respiratory failure [-1,-1]	*****	*****
Acute respiratory distress syndrome [-1,-1]	53	0.0%
Intubation [-1,-1]	680	0.3%
Mechanical ventilation [-1,-1]	378	0.1%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	738	0.3%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	1,448	0.5%
Mechanical ventilation and intubation [-1,-1]	251	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	1,210	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	0	0.0%
Unspecified respiratory failure in ED [-1,-1]	414	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	1,593	0.6%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.6	3.5

Table 2e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.3	20.3
Mean number of emergency room encounters	1.5	2.4
Mean number of inpatient hospital encounters	2.1	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	18.9	24.1
Mean number of unique drug classes	12.1	5.9
Mean number of generics	13.1	6.7
Mean number of filled prescriptions	36.3	29.5

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic¹	Number	
Number of episodes	98,544	
Number of unique patients	95,263	
Demographics	Mean	Standard Deviation
Mean Age (Years)	71.1	13.7
Age (Years)	Number	Percent
0-17	579	0.6%
18-39	2,553	2.6%
40-64	23,072	23.4%
65+	72,340	73.4%
Sex		
Female	46,628	48.9%
Male	48,635	51.1%
Race		
Unknown	24,235	25.4%
American Indian or Alaska Native	452	0.5%
Asian	1,569	1.6%
Black or African American	13,335	14.0%
Native Hawaiian or Other Pacific Islander	462	0.5%
White	55,210	58.0%
Ethnicity		
Hispanic Origin	2,614	2.7%
Year		
2020	98,303	99.8%
2021	241	0.2%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	57	0.1%
Anaphylaxis [0,0]	207	0.2%
Angioedema [0,0]	304	0.3%
Aspiration of gastric contents [0,0]	13,042	13.2%
Asthma [0,0]	4,500	4.6%
Asthma exacerbation [0,0]	1,739	1.8%
Bronchiectasis [0,0]	1,238	1.3%
Cardiogenic risk factors [0,0]	45,707	46.4%
Covid-19 [0,0]	17,000	17.3%
Connective tissue rheumatic lung disease [0,0]	83	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	25,628	26.0%
COPD exacerbation [0,0]	20,487	20.8%
Congestive heart failure (CHF) [0,0]	49,952	50.7%
Cryptogenic organizing pneumonia [0,0]	52	0.1%
Cystic fibrosis [0,0]	69	0.1%
Drowning [0,0]	*****	*****
Drug-induced interstitial lung disorders [0,0]	150	0.2%
Hypersensitivity pneumonitis [0,0]	78	0.1%
Interstitial lung diseases [0,0]	2,883	2.9%

Table 2f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	433	0.4%
Influenza [0,0]	2,173	2.2%
Non-specific interstitial pneumonitis [0,0]	25	0.0%
Other lung disorders [0,0]	48,985	49.7%
Pancreatitis [0,0]	1,452	1.5%
Pneumoconioses [0,0]	235	0.2%
Pneumonia [0,0]	50,747	51.5%
Pulmonary contusion [0,0]	498	0.5%
Pulmonary embolism [0,0]	4,523	4.6%
Radiation-associated pulmonary manifestations [0,0]	109	0.1%
Sarcoidosis [0,0]	408	0.4%
Sepsis [0,0]	37,704	38.3%
Sickle-cell disease with acute chest syndrome [0,0]	26	0.0%
Shock [0,0]	24,721	25.1%
Transfusion [0,0]	10,501	10.7%
Trauma [0,0]	6,546	6.6%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	61	0.1%
Anaphylaxis [-7,7]	216	0.2%
Angioedema [-7,7]	312	0.3%
Aspiration of gastric contents [-7,7]	13,549	13.7%
Asthma [-7,7]	4,861	4.9%
Asthma exacerbation [-7,7]	1,848	1.9%
Bronchiectasis [-7,7]	1,311	1.3%
Cardiogenic risk factors [-7,7]	47,113	47.8%
Covid-19 [-7,7]	17,211	17.5%
Connective tissue rheumatic lung disease [-7,7]	87	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	27,057	27.5%
COPD exacerbation [-7,7]	21,439	21.8%
Congestive heart failure (CHF) [-7,7]	51,397	52.2%
Cryptogenic organizing pneumonia [-7,7]	54	0.1%
Cystic fibrosis [-7,7]	70	0.1%
Drowning [-7,7]	*****	*****
Drug-induced interstitial lung disorders [-7,7]	153	0.2%
Hypersensitivity pneumonitis [-7,7]	82	0.1%
Interstitial lung diseases [-7,7]	3,026	3.1%
Idiopathic pulmonary fibrosis [-7,7]	451	0.5%
Influenza [-7,7]	2,282	2.3%
Non-specific interstitial pneumonitis [-7,7]	26	0.0%
Other lung disorders [-7,7]	50,786	51.5%
Pancreatitis [-7,7]	1,522	1.5%
Pneumoconioses [-7,7]	255	0.3%
Pneumonia [-7,7]	52,189	53.0%
Pulmonary contusion [-7,7]	508	0.5%
Pulmonary embolism [-7,7]	4,694	4.8%

Table 2f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	113	0.1%
Sarcoidosis [-7,7]	430	0.4%
Sepsis [-7,7]	38,914	39.5%
Sickle-cell disease with acute chest syndrome [-7,7]	26	0.0%
Shock [-7,7]	25,520	25.9%
Transfusion [-7,7]	11,129	11.3%
Trauma [-7,7]	6,995	7.1%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	48	0.0%
Anaphylaxis [-183,-1]	75	0.1%
Angioedema [-183,-1]	156	0.2%
Aspiration of gastric contents [-183,-1]	3,890	3.9%
Asthma [-183,-1]	3,878	3.9%
Asthma exacerbation [-183,-1]	1,265	1.3%
Bronchiectasis [-183,-1]	804	0.8%
Cardiogenic risk factors [-183,-1]	25,380	25.8%
Covid-19 [-183,-1]	4,483	4.5%
Connective tissue rheumatic lung disease [-183,-1]	60	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	18,498	18.8%
COPD exacerbation [-183,-1]	12,226	12.4%
Congestive heart failure (CHF) [-183,-1]	27,437	27.8%
Cryptogenic organizing pneumonia (COP) [-183,-1]	46	0.0%
Cystic fibrosis [-183,-1]	50	0.1%
Drowning [-183,-1]	0	0.0%
Drug-induced interstitial lung disorders [-183,-1]	56	0.1%
Hypersensitivity pneumonitis [-183,-1]	62	0.1%
Interstitial lung diseases [-183,-1]	1,484	1.5%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	221	0.2%
Influenza [-183,-1]	1,345	1.4%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	*****	*****
Other lung disorders [-183,-1]	20,740	21.0%
Pancreatitis [-183,-1]	1,094	1.1%
Pneumoconioses [-183,-1]	157	0.2%
Pneumonia [-183,-1]	19,329	19.6%
Pulmonary contusion [-183,-1]	91	0.1%
Pulmonary embolism [-183,-1]	1,894	1.9%
Radiation-associated pulmonary manifestations [-183,-1]	78	0.1%
Sarcoidosis [-183,-1]	276	0.3%
Sepsis [-183,-1]	12,937	13.1%
Sickle-cell disease with acute chest syndrome [-183,-1]	21	0.0%
Shock [-183,-1]	5,212	5.3%
Transfusion [-183,-1]	5,990	6.1%
Trauma [-183,-1]	5,455	5.5%

Table 2f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	51,645	52.4%
Acute on chronic respiratory failure [-1,0]	16,727	17.0%
Unspecified respiratory failure [-1,0]	98,544	100.0%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	98,544	100.0%
Post-procedural respiratory failure [-1,0]	1,907	1.9%
Acute respiratory distress syndrome [-1,0]	6,400	6.5%
Intubation [-1,0]	36,120	36.7%
Mechanical ventilation [-1,0]	37,856	38.4%
High-flow nasal cannula [-1,0]	127	0.1%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	558	0.6%
Continuous positive airway pressure (CPAP) [-1,0]	13,375	13.6%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	50,975	51.7%
Mechanical ventilation and intubation [-1,0]	32,251	32.7%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	7,888	8.0%
Acute on chronic respiratory failure in ED [-1,0]	1,266	1.3%
Unspecified respiratory failure in ED [-1,0]	16,129	16.4%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	23,608	24.0%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	977	1.0%
Acute on chronic respiratory failure [-1,-1]	187	0.2%
Unspecified respiratory failure [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	1,115	1.1%
Post-procedural respiratory failure [-1,-1]	*****	*****
Acute respiratory distress syndrome [-1,-1]	46	0.0%
Intubation [-1,-1]	715	0.7%
Mechanical ventilation [-1,-1]	289	0.3%
High-flow nasal cannula [-1,-1]	*****	*****
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	158	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	879	0.9%
Mechanical ventilation and intubation [-1,-1]	248	0.3%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	705	0.7%
Acute on chronic respiratory failure in ED [-1,-1]	123	0.1%
Unspecified respiratory failure in ED [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	820	0.8%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.1	3.7

Table 2f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	17.9	21.6
Mean number of emergency room encounters	1.9	2.8
Mean number of inpatient hospital encounters	1.7	1.5
Mean number of non-acute institutional encounters	0.3	0.8
Mean number of other ambulatory encounters	11.5	18
Mean number of unique drug classes	9.7	6
Mean number of generics	10.4	6.6
Mean number of filled prescriptions	26.4	24.1

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic¹	Number	
Number of episodes	434,438	
Number of unique patients	400,630	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.9	12.9
Age (Years)	Number	Percent
0-17	1,200	0.3%
18-39	10,461	2.4%
40-64	99,446	22.9%
65+	323,331	74.4%
Sex		
Female	195,241	48.7%
Male	205,389	51.3%
Race		
Unknown	51,721	12.9%
American Indian or Alaska Native	2,736	0.7%
Asian	8,008	2.0%
Black or African American	61,703	15.4%
Native Hawaiian or Other Pacific Islander	1,048	0.3%
White	275,414	68.7%
Ethnicity		
Hispanic Origin	11,743	2.9%
Year		
2020	433,289	99.7%
2021	1,149	0.3%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	307	0.1%
Anaphylaxis [0,0]	1,093	0.3%
Angioedema [0,0]	1,547	0.4%
Aspiration of gastric contents [0,0]	57,772	13.3%
Asthma [0,0]	19,460	4.5%
Asthma exacerbation [0,0]	7,179	1.7%
Bronchiectasis [0,0]	3,764	0.9%
Cardiogenic risk factors [0,0]	210,539	48.5%
Covid-19 [0,0]	51,205	11.8%
Connective tissue rheumatic lung disease [0,0]	219	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	89,831	20.7%
COPD exacerbation [0,0]	93,159	21.4%
Congestive heart failure (CHF) [0,0]	218,381	50.3%
Cryptogenic organizing pneumonia [0,0]	197	0.0%
Cystic fibrosis [0,0]	208	0.0%
Drowning [0,0]	50	0.0%
Drug-induced interstitial lung disorders [0,0]	482	0.1%
Hypersensitivity pneumonitis [0,0]	228	0.1%
Interstitial lung diseases [0,0]	6,781	1.6%

Table 2g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	1,445	0.3%
Influenza [0,0]	9,022	2.1%
Non-specific interstitial pneumonitis [0,0]	39	0.0%
Other lung disorders [0,0]	128,354	29.5%
Pancreatitis [0,0]	5,941	1.4%
Pneumoconioses [0,0]	952	0.2%
Pneumonia [0,0]	170,545	39.3%
Pulmonary contusion [0,0]	1,384	0.3%
Pulmonary embolism [0,0]	12,199	2.8%
Radiation-associated pulmonary manifestations [0,0]	389	0.1%
Sarcoidosis [0,0]	1,988	0.5%
Sepsis [0,0]	161,011	37.1%
Sickle-cell disease with acute chest syndrome [0,0]	86	0.0%
Shock [0,0]	122,011	28.1%
Transfusion [0,0]	54,518	12.5%
Trauma [0,0]	26,664	6.1%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	326	0.1%
Anaphylaxis [-7,7]	1,131	0.3%
Angioedema [-7,7]	1,587	0.4%
Aspiration of gastric contents [-7,7]	59,244	13.6%
Asthma [-7,7]	21,092	4.9%
Asthma exacerbation [-7,7]	7,508	1.7%
Bronchiectasis [-7,7]	3,958	0.9%
Cardiogenic risk factors [-7,7]	214,828	49.4%
Covid-19 [-7,7]	51,615	11.9%
Connective tissue rheumatic lung disease [-7,7]	229	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	96,422	22.2%
COPD exacerbation [-7,7]	96,134	22.1%
Congestive heart failure (CHF) [-7,7]	222,700	51.3%
Cryptogenic organizing pneumonia [-7,7]	207	0.0%
Cystic fibrosis [-7,7]	213	0.0%
Drowning [-7,7]	50	0.0%
Drug-induced interstitial lung disorders [-7,7]	502	0.1%
Hypersensitivity pneumonitis [-7,7]	242	0.1%
Interstitial lung diseases [-7,7]	7,146	1.6%
Idiopathic pulmonary fibrosis [-7,7]	1,503	0.3%
Influenza [-7,7]	9,372	2.2%
Non-specific interstitial pneumonitis [-7,7]	42	0.0%
Other lung disorders [-7,7]	133,965	30.8%
Pancreatitis [-7,7]	6,254	1.4%
Pneumoconioses [-7,7]	1,011	0.2%
Pneumonia [-7,7]	175,087	40.3%
Pulmonary contusion [-7,7]	1,424	0.3%
Pulmonary embolism [-7,7]	12,720	2.9%

Table 2g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	409	0.1%
Sarcoidosis [-7,7]	2,061	0.5%
Sepsis [-7,7]	164,699	37.9%
Sickle-cell disease with acute chest syndrome [-7,7]	88	0.0%
Shock [-7,7]	124,875	28.7%
Transfusion [-7,7]	57,047	13.1%
Trauma [-7,7]	28,954	6.7%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	237	0.1%
Anaphylaxis [-183,-1]	348	0.1%
Angioedema [-183,-1]	713	0.2%
Aspiration of gastric contents [-183,-1]	16,094	3.7%
Asthma [-183,-1]	19,453	4.5%
Asthma exacerbation [-183,-1]	6,152	1.4%
Bronchiectasis [-183,-1]	2,807	0.6%
Cardiogenic risk factors [-183,-1]	121,933	28.1%
Covid-19 [-183,-1]	12,469	2.9%
Connective tissue rheumatic lung disease [-183,-1]	169	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	84,323	19.4%
COPD exacerbation [-183,-1]	59,223	13.6%
Congestive heart failure (CHF) [-183,-1]	127,086	29.3%
Cryptogenic organizing pneumonia (COP) [-183,-1]	119	0.0%
Cystic fibrosis [-183,-1]	174	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	228	0.1%
Hypersensitivity pneumonitis [-183,-1]	159	0.0%
Interstitial lung diseases [-183,-1]	4,281	1.0%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	868	0.2%
Influenza [-183,-1]	5,994	1.4%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	22	0.0%
Other lung disorders [-183,-1]	63,165	14.5%
Pancreatitis [-183,-1]	4,526	1.0%
Pneumoconioses [-183,-1]	621	0.1%
Pneumonia [-183,-1]	72,398	16.7%
Pulmonary contusion [-183,-1]	299	0.1%
Pulmonary embolism [-183,-1]	5,874	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	292	0.1%
Sarcoidosis [-183,-1]	1,453	0.3%
Sepsis [-183,-1]	52,644	12.1%
Sickle-cell disease with acute chest syndrome [-183,-1]	49	0.0%
Shock [-183,-1]	20,088	4.6%
Transfusion [-183,-1]	27,508	6.3%
Trauma [-183,-1]	28,374	6.5%

Table 2g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	245,830	56.6%
Acute on chronic respiratory failure [-1,0]	95,413	22.0%
Unspecified respiratory failure [-1,0]	46,294	10.7%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	328,786	75.7%
Post-procedural respiratory failure [-1,0]	7,236	1.7%
Acute respiratory distress syndrome [-1,0]	21,095	4.9%
Intubation [-1,0]	206,198	47.5%
Mechanical ventilation [-1,0]	250,749	57.7%
High-flow nasal cannula [-1,0]	632	0.1%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	2,118	0.5%
Continuous positive airway pressure (CPAP) [-1,0]	207,318	47.7%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	434,438	100.0%
Mechanical ventilation and intubation [-1,0]	204,578	47.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	22,483	5.2%
Acute on chronic respiratory failure in ED [-1,0]	5,144	1.2%
Unspecified respiratory failure in ED [-1,0]	6,837	1.6%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	33,207	7.6%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	2,671	0.6%
Acute on chronic respiratory failure [-1,-1]	728	0.2%
Unspecified respiratory failure [-1,-1]	728	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	3,966	0.9%
Post-procedural respiratory failure [-1,-1]	13	0.0%
Acute respiratory distress syndrome [-1,-1]	95	0.0%
Intubation [-1,-1]	2,585	0.6%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	0	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	0	0.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	2,585	0.6%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	2,163	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	611	0.1%
Unspecified respiratory failure in ED [-1,-1]	649	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	3,298	0.8%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.2	3.6

Table 2g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.2	23.9
Mean number of emergency room encounters	1.3	2.3
Mean number of inpatient hospital encounters	1.8	1.4
Mean number of non-acute institutional encounters	0.3	0.9
Mean number of other ambulatory encounters	16.7	23.6
Mean number of unique drug classes	10.6	5.9
Mean number of generics	11.4	6.6
Mean number of filled prescriptions	31.1	27.8

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic¹	Number	
Number of episodes	208,559	
Number of unique patients	202,885	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.4	12.8
Age (Years)	Number	Percent
0-17	456	0.2%
18-39	5,731	2.7%
40-64	48,988	23.5%
65+	153,384	73.5%
Sex		
Female	96,388	47.5%
Male	106,497	52.5%
Race		
Unknown	28,478	14.0%
American Indian or Alaska Native	1,477	0.7%
Asian	4,562	2.2%
Black or African American	35,559	17.5%
Native Hawaiian or Other Pacific Islander	457	0.2%
White	132,352	65.2%
Ethnicity		
Hispanic Origin	7,177	3.5%
Year		
2020	208,284	99.9%
2021	275	0.1%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	101	0.0%
Anaphylaxis [0,0]	826	0.4%
Angioedema [0,0]	1,314	0.6%
Aspiration of gastric contents [0,0]	40,049	19.2%
Asthma [0,0]	7,625	3.7%
Asthma exacerbation [0,0]	2,265	1.1%
Bronchiectasis [0,0]	1,558	0.7%
Cardiogenic risk factors [0,0]	92,883	44.5%
Covid-19 [0,0]	36,941	17.7%
Connective tissue rheumatic lung disease [0,0]	98	0.0%
Chronic obstructive pulmonary disorder (COPD) [0,0]	36,834	17.7%
COPD exacerbation [0,0]	37,349	17.9%
Congestive heart failure (CHF) [0,0]	96,772	46.4%
Cryptogenic organizing pneumonia [0,0]	102	0.0%
Cystic fibrosis [0,0]	87	0.0%
Drowning [0,0]	27	0.0%
Drug-induced interstitial lung disorders [0,0]	215	0.1%
Hypersensitivity pneumonitis [0,0]	93	0.0%
Interstitial lung diseases [0,0]	3,366	1.6%

Table 2h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	514	0.2%
Influenza [0,0]	4,168	2.0%
Non-specific interstitial pneumonitis [0,0]	22	0.0%
Other lung disorders [0,0]	70,471	33.8%
Pancreatitis [0,0]	3,795	1.8%
Pneumoconioses [0,0]	492	0.2%
Pneumonia [0,0]	102,316	49.1%
Pulmonary contusion [0,0]	915	0.4%
Pulmonary embolism [0,0]	7,257	3.5%
Radiation-associated pulmonary manifestations [0,0]	176	0.1%
Sarcoidosis [0,0]	748	0.4%
Sepsis [0,0]	108,124	51.8%
Sickle-cell disease with acute chest syndrome [0,0]	55	0.0%
Shock [0,0]	94,394	45.3%
Transfusion [0,0]	34,243	16.4%
Trauma [0,0]	16,879	8.1%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	105	0.1%
Anaphylaxis [-7,7]	853	0.4%
Angioedema [-7,7]	1,341	0.6%
Aspiration of gastric contents [-7,7]	40,909	19.6%
Asthma [-7,7]	8,358	4.0%
Asthma exacerbation [-7,7]	2,388	1.1%
Bronchiectasis [-7,7]	1,656	0.8%
Cardiogenic risk factors [-7,7]	94,854	45.5%
Covid-19 [-7,7]	37,131	17.8%
Connective tissue rheumatic lung disease [-7,7]	104	0.0%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	39,535	19.0%
COPD exacerbation [-7,7]	38,498	18.5%
Congestive heart failure (CHF) [-7,7]	98,743	47.3%
Cryptogenic organizing pneumonia [-7,7]	106	0.1%
Cystic fibrosis [-7,7]	88	0.0%
Drowning [-7,7]	27	0.0%
Drug-induced interstitial lung disorders [-7,7]	224	0.1%
Hypersensitivity pneumonitis [-7,7]	97	0.0%
Interstitial lung diseases [-7,7]	3,547	1.7%
Idiopathic pulmonary fibrosis [-7,7]	535	0.3%
Influenza [-7,7]	4,314	2.1%
Non-specific interstitial pneumonitis [-7,7]	22	0.0%
Other lung disorders [-7,7]	72,946	35.0%
Pancreatitis [-7,7]	3,974	1.9%
Pneumoconioses [-7,7]	518	0.2%
Pneumonia [-7,7]	104,378	50.0%
Pulmonary contusion [-7,7]	935	0.4%
Pulmonary embolism [-7,7]	7,500	3.6%

Table 2h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	183	0.1%
Sarcoidosis [-7,7]	778	0.4%
Sepsis [-7,7]	109,947	52.7%
Sickle-cell disease with acute chest syndrome [-7,7]	57	0.0%
Shock [-7,7]	96,096	46.1%
Transfusion [-7,7]	35,598	17.1%
Trauma [-7,7]	18,014	8.6%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	85	0.0%
Anaphylaxis [-183,-1]	174	0.1%
Angioedema [-183,-1]	380	0.2%
Aspiration of gastric contents [-183,-1]	7,722	3.7%
Asthma [-183,-1]	8,087	3.9%
Asthma exacerbation [-183,-1]	1,990	1.0%
Bronchiectasis [-183,-1]	1,072	0.5%
Cardiogenic risk factors [-183,-1]	50,967	24.4%
Covid-19 [-183,-1]	7,341	3.5%
Connective tissue rheumatic lung disease [-183,-1]	80	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	34,178	16.4%
COPD exacerbation [-183,-1]	21,957	10.5%
Congestive heart failure (CHF) [-183,-1]	53,473	25.6%
Cryptogenic organizing pneumonia (COP) [-183,-1]	56	0.0%
Cystic fibrosis [-183,-1]	69	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	104	0.0%
Hypersensitivity pneumonitis [-183,-1]	65	0.0%
Interstitial lung diseases [-183,-1]	1,781	0.9%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	295	0.1%
Influenza [-183,-1]	2,849	1.4%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	13	0.0%
Other lung disorders [-183,-1]	27,747	13.3%
Pancreatitis [-183,-1]	2,504	1.2%
Pneumoconioses [-183,-1]	256	0.1%
Pneumonia [-183,-1]	33,312	16.0%
Pulmonary contusion [-183,-1]	132	0.1%
Pulmonary embolism [-183,-1]	2,813	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	118	0.1%
Sarcoidosis [-183,-1]	582	0.3%
Sepsis [-183,-1]	25,972	12.5%
Sickle-cell disease with acute chest syndrome [-183,-1]	34	0.0%
Shock [-183,-1]	9,940	4.8%
Transfusion [-183,-1]	13,589	6.5%
Trauma [-183,-1]	13,955	6.7%

Table 2h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	151,440	72.6%
Acute on chronic respiratory failure [-1,0]	36,784	17.6%
Unspecified respiratory failure [-1,0]	32,400	15.5%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	182,199	87.4%
Post-procedural respiratory failure [-1,0]	3,658	1.8%
Acute respiratory distress syndrome [-1,0]	18,142	8.7%
Intubation [-1,0]	208,422	99.9%
Mechanical ventilation [-1,0]	208,559	100.0%
High-flow nasal cannula [-1,0]	127	0.1%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	818	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	24,010	11.5%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	208,559	100.0%
Mechanical ventilation and intubation [-1,0]	208,422	99.9%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	12,650	6.1%
Acute on chronic respiratory failure in ED [-1,0]	1,425	0.7%
Unspecified respiratory failure in ED [-1,0]	4,385	2.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	17,698	8.5%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	1,740	0.8%
Acute on chronic respiratory failure [-1,-1]	267	0.1%
Unspecified respiratory failure [-1,-1]	519	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	2,442	1.2%
Post-procedural respiratory failure [-1,-1]	*****	*****
Acute respiratory distress syndrome [-1,-1]	66	0.0%
Intubation [-1,-1]	2,791	1.3%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	502	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	3,107	1.5%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	1,403	0.7%
Acute on chronic respiratory failure in ED [-1,-1]	199	0.1%
Unspecified respiratory failure in ED [-1,-1]	465	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	2,006	1.0%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.4	3.6

Table 2h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.8	24.7
Mean number of emergency room encounters	1.3	2.3
Mean number of inpatient hospital encounters	1.8	1.4
Mean number of non-acute institutional encounters	0.3	0.8
Mean number of other ambulatory encounters	15.9	22.3
Mean number of unique drug classes	10	5.8
Mean number of generics	10.7	6.5
Mean number of filled prescriptions	29.3	26.9

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic¹	Number	
Number of episodes	209,691	
Number of unique patients	192,463	
Demographics	Mean	Standard Deviation
Mean Age (Years)	71.8	12.4
Age (Years)	Number	Percent
0-17	428	0.2%
18-39	3,372	1.6%
40-64	46,231	22.0%
65+	159,660	76.1%
Sex		
Female	96,824	50.3%
Male	95,639	49.7%
Race		
Unknown	21,776	11.3%
American Indian or Alaska Native	977	0.5%
Asian	3,287	1.7%
Black or African American	26,567	13.8%
Native Hawaiian or Other Pacific Islander	591	0.3%
White	139,265	72.4%
Ethnicity		
Hispanic Origin	4,573	2.4%
Year		
2020	208,873	99.6%
2021	818	0.4%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	210	0.1%
Anaphylaxis [0,0]	221	0.1%
Angioedema [0,0]	184	0.1%
Aspiration of gastric contents [0,0]	16,103	7.7%
Asthma [0,0]	11,127	5.3%
Asthma exacerbation [0,0]	5,073	2.4%
Bronchiectasis [0,0]	2,175	1.0%
Cardiogenic risk factors [0,0]	116,708	55.7%
Covid-19 [0,0]	16,660	7.9%
Connective tissue rheumatic lung disease [0,0]	114	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	50,807	24.2%
COPD exacerbation [0,0]	59,278	28.3%
Congestive heart failure (CHF) [0,0]	120,127	57.3%
Cryptogenic organizing pneumonia [0,0]	109	0.1%
Cystic fibrosis [0,0]	112	0.1%
Drowning [0,0]	*****	*****
Drug-induced interstitial lung disorders [0,0]	314	0.1%
Hypersensitivity pneumonitis [0,0]	142	0.1%
Interstitial lung diseases [0,0]	3,583	1.7%

Table 2i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	887	0.4%
Influenza [0,0]	5,285	2.5%
Non-specific interstitial pneumonitis [0,0]	17	0.0%
Other lung disorders [0,0]	54,543	26.0%
Pancreatitis [0,0]	1,951	0.9%
Pneumoconioses [0,0]	454	0.2%
Pneumonia [0,0]	70,428	33.6%
Pulmonary contusion [0,0]	228	0.1%
Pulmonary embolism [0,0]	4,751	2.3%
Radiation-associated pulmonary manifestations [0,0]	237	0.1%
Sarcoidosis [0,0]	1,237	0.6%
Sepsis [0,0]	50,978	24.3%
Sickle-cell disease with acute chest syndrome [0,0]	38	0.0%
Shock [0,0]	24,353	11.6%
Transfusion [0,0]	18,515	8.8%
Trauma [0,0]	7,148	3.4%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	221	0.1%
Anaphylaxis [-7,7]	234	0.1%
Angioedema [-7,7]	197	0.1%
Aspiration of gastric contents [-7,7]	16,673	8.0%
Asthma [-7,7]	12,035	5.7%
Asthma exacerbation [-7,7]	5,301	2.5%
Bronchiectasis [-7,7]	2,270	1.1%
Cardiogenic risk factors [-7,7]	118,905	56.7%
Covid-19 [-7,7]	16,886	8.1%
Connective tissue rheumatic lung disease [-7,7]	117	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	54,854	26.2%
COPD exacerbation [-7,7]	61,168	29.2%
Congestive heart failure (CHF) [-7,7]	122,348	58.3%
Cryptogenic organizing pneumonia [-7,7]	113	0.1%
Cystic fibrosis [-7,7]	116	0.1%
Drowning [-7,7]	*****	*****
Drug-induced interstitial lung disorders [-7,7]	327	0.2%
Hypersensitivity pneumonitis [-7,7]	153	0.1%
Interstitial lung diseases [-7,7]	3,785	1.8%
Idiopathic pulmonary fibrosis [-7,7]	923	0.4%
Influenza [-7,7]	5,506	2.6%
Non-specific interstitial pneumonitis [-7,7]	19	0.0%
Other lung disorders [-7,7]	57,596	27.5%
Pancreatitis [-7,7]	2,078	1.0%
Pneumoconioses [-7,7]	490	0.2%
Pneumonia [-7,7]	72,793	34.7%
Pulmonary contusion [-7,7]	241	0.1%
Pulmonary embolism [-7,7]	5,022	2.4%

Table 2i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	250	0.1%
Sarcoidosis [-7,7]	1,282	0.6%
Sepsis [-7,7]	52,797	25.2%
Sickle-cell disease with acute chest syndrome [-7,7]	38	0.0%
Shock [-7,7]	25,523	12.2%
Transfusion [-7,7]	19,608	9.4%
Trauma [-7,7]	8,224	3.9%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	144	0.1%
Anaphylaxis [-183,-1]	171	0.1%
Angioedema [-183,-1]	302	0.1%
Aspiration of gastric contents [-183,-1]	6,543	3.1%
Asthma [-183,-1]	10,951	5.2%
Asthma exacerbation [-183,-1]	4,257	2.0%
Bronchiectasis [-183,-1]	1,638	0.8%
Cardiogenic risk factors [-183,-1]	69,631	33.2%
Covid-19 [-183,-1]	5,050	2.4%
Connective tissue rheumatic lung disease [-183,-1]	79	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	49,772	23.7%
COPD exacerbation [-183,-1]	38,470	18.3%
Congestive heart failure (CHF) [-183,-1]	72,033	34.4%
Cryptogenic organizing pneumonia (COP) [-183,-1]	69	0.0%
Cystic fibrosis [-183,-1]	98	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	132	0.1%
Hypersensitivity pneumonitis [-183,-1]	103	0.0%
Interstitial lung diseases [-183,-1]	2,509	1.2%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	556	0.3%
Influenza [-183,-1]	3,152	1.5%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	*****	*****
Other lung disorders [-183,-1]	32,671	15.6%
Pancreatitis [-183,-1]	1,765	0.8%
Pneumoconioses [-183,-1]	391	0.2%
Pneumonia [-183,-1]	36,966	17.6%
Pulmonary contusion [-183,-1]	115	0.1%
Pulmonary embolism [-183,-1]	2,900	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	187	0.1%
Sarcoidosis [-183,-1]	849	0.4%
Sepsis [-183,-1]	23,081	11.0%
Sickle-cell disease with acute chest syndrome [-183,-1]	19	0.0%
Shock [-183,-1]	7,840	3.7%
Transfusion [-183,-1]	11,957	5.7%
Trauma [-183,-1]	13,044	6.2%

Table 2i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	89,981	42.9%
Acute on chronic respiratory failure [-1,0]	58,940	28.1%
Unspecified respiratory failure [-1,0]	13,154	6.3%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	140,168	66.8%
Post-procedural respiratory failure [-1,0]	1,495	0.7%
Acute respiratory distress syndrome [-1,0]	4,541	2.2%
Intubation [-1,0]	24,555	11.7%
Mechanical ventilation [-1,0]	25,729	12.3%
High-flow nasal cannula [-1,0]	236	0.1%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	163	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	209,691	100.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	209,691	100.0%
Mechanical ventilation and intubation [-1,0]	23,057	11.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	10,165	4.8%
Acute on chronic respiratory failure in ED [-1,0]	3,773	1.8%
Unspecified respiratory failure in ED [-1,0]	2,523	1.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	15,938	7.6%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	1,175	0.6%
Acute on chronic respiratory failure [-1,-1]	512	0.2%
Unspecified respiratory failure [-1,-1]	244	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	1,850	0.9%
Post-procedural respiratory failure [-1,-1]	*****	*****
Acute respiratory distress syndrome [-1,-1]	42	0.0%
Intubation [-1,-1]	276	0.1%
Mechanical ventilation [-1,-1]	205	0.1%
High-flow nasal cannula [-1,-1]	*****	*****
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	0	0.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	358	0.2%
Mechanical ventilation and intubation [-1,-1]	124	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	937	0.4%
Acute on chronic respiratory failure in ED [-1,-1]	439	0.2%
Unspecified respiratory failure in ED [-1,-1]	212	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	1,523	0.7%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7	3.5

Table 2i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.8	23.1
Mean number of emergency room encounters	1.4	2.4
Mean number of inpatient hospital encounters	1.8	1.5
Mean number of non-acute institutional encounters	0.3	0.8
Mean number of other ambulatory encounters	15.8	20.8
Mean number of unique drug classes	11.4	5.9
Mean number of generics	12.3	6.6
Mean number of filled prescriptions	33.1	27.8

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Characteristic¹	Number	
Number of episodes	255,421	
Number of unique patients	243,489	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.1	13
Age (Years)	Number	Percent
0-17	772	0.3%
18-39	7,632	3.0%
40-64	60,547	23.7%
65+	186,470	73.0%
Sex		
Female	115,860	47.6%
Male	127,629	52.4%
Race		
Unknown	33,769	13.9%
American Indian or Alaska Native	1,960	0.8%
Asian	5,440	2.2%
Black or African American	41,281	17.0%
Native Hawaiian or Other Pacific Islander	535	0.2%
White	160,504	65.9%
Ethnicity		
Hispanic Origin	8,287	3.4%
Year		
2020	255,063	99.9%
2021	358	0.1%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	130	0.1%
Anaphylaxis [0,0]	951	0.4%
Angioedema [0,0]	1,429	0.6%
Aspiration of gastric contents [0,0]	47,153	18.5%
Asthma [0,0]	9,459	3.7%
Asthma exacerbation [0,0]	2,640	1.0%
Bronchiectasis [0,0]	1,958	0.8%
Cardiogenic risk factors [0,0]	111,790	43.8%
Covid-19 [0,0]	39,761	15.6%
Connective tissue rheumatic lung disease [0,0]	127	0.0%
Chronic obstructive pulmonary disorder (COPD) [0,0]	46,151	18.1%
COPD exacerbation [0,0]	43,958	17.2%
Congestive heart failure (CHF) [0,0]	116,667	45.7%
Cryptogenic organizing pneumonia [0,0]	119	0.0%
Cystic fibrosis [0,0]	113	0.0%
Drowning [0,0]	43	0.0%
Drug-induced interstitial lung disorders [0,0]	235	0.1%
Hypersensitivity pneumonitis [0,0]	111	0.0%
Interstitial lung diseases [0,0]	3,902	1.5%

Table 2j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Idiopathic pulmonary fibrosis [0,0]	636	0.2%
Influenza [0,0]	4,744	1.9%
Non-specific interstitial pneumonitis [0,0]	23	0.0%
Other lung disorders [0,0]	85,930	33.6%
Pancreatitis [0,0]	4,422	1.7%
Pneumoconioses [0,0]	590	0.2%
Pneumonia [0,0]	118,288	46.3%
Pulmonary contusion [0,0]	1,225	0.5%
Pulmonary embolism [0,0]	8,497	3.3%
Radiation-associated pulmonary manifestations [0,0]	200	0.1%
Sarcoidosis [0,0]	915	0.4%
Sepsis [0,0]	126,416	49.5%
Sickle-cell disease with acute chest syndrome [0,0]	58	0.0%
Shock [0,0]	110,542	43.3%
Transfusion [0,0]	42,126	16.5%
Trauma [0,0]	21,088	8.3%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	139	0.1%
Anaphylaxis [-7,7]	980	0.4%
Angioedema [-7,7]	1,459	0.6%
Aspiration of gastric contents [-7,7]	48,201	18.9%
Asthma [-7,7]	10,342	4.0%
Asthma exacerbation [-7,7]	2,788	1.1%
Bronchiectasis [-7,7]	2,075	0.8%
Cardiogenic risk factors [-7,7]	114,225	44.7%
Covid-19 [-7,7]	39,981	15.7%
Connective tissue rheumatic lung disease [-7,7]	136	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	49,493	19.4%
COPD exacerbation [-7,7]	45,430	17.8%
Congestive heart failure (CHF) [-7,7]	119,091	46.6%
Cryptogenic organizing pneumonia [-7,7]	126	0.0%
Cystic fibrosis [-7,7]	115	0.0%
Drowning [-7,7]	43	0.0%
Drug-induced interstitial lung disorders [-7,7]	245	0.1%
Hypersensitivity pneumonitis [-7,7]	116	0.0%
Interstitial lung diseases [-7,7]	4,120	1.6%
Idiopathic pulmonary fibrosis [-7,7]	662	0.3%
Influenza [-7,7]	4,910	1.9%
Non-specific interstitial pneumonitis [-7,7]	24	0.0%
Other lung disorders [-7,7]	88,969	34.8%
Pancreatitis [-7,7]	4,641	1.8%
Pneumoconioses [-7,7]	622	0.2%
Pneumonia [-7,7]	120,913	47.3%
Pulmonary contusion [-7,7]	1,254	0.5%
Pulmonary embolism [-7,7]	8,793	3.4%

Table 2j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Radiation-associated pulmonary manifestations [-7,7]	208	0.1%
Sarcoidosis [-7,7]	952	0.4%
Sepsis [-7,7]	128,645	50.4%
Sickle-cell disease with acute chest syndrome [-7,7]	60	0.0%
Shock [-7,7]	112,520	44.1%
Transfusion [-7,7]	43,777	17.1%
Trauma [-7,7]	22,474	8.8%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	117	0.0%
Anaphylaxis [-183,-1]	211	0.1%
Angioedema [-183,-1]	472	0.2%
Aspiration of gastric contents [-183,-1]	11,320	4.4%
Asthma [-183,-1]	10,091	4.0%
Asthma exacerbation [-183,-1]	2,488	1.0%
Bronchiectasis [-183,-1]	1,466	0.6%
Cardiogenic risk factors [-183,-1]	63,739	25.0%
Covid-19 [-183,-1]	8,774	3.4%
Connective tissue rheumatic lung disease [-183,-1]	103	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	42,801	16.8%
COPD exacerbation [-183,-1]	27,818	10.9%
Congestive heart failure (CHF) [-183,-1]	66,775	26.1%
Cryptogenic organizing pneumonia (COP) [-183,-1]	66	0.0%
Cystic fibrosis [-183,-1]	96	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	121	0.0%
Hypersensitivity pneumonitis [-183,-1]	79	0.0%
Interstitial lung diseases [-183,-1]	2,237	0.9%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	376	0.1%
Influenza [-183,-1]	3,495	1.4%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	14	0.0%
Other lung disorders [-183,-1]	36,818	14.4%
Pancreatitis [-183,-1]	3,111	1.2%
Pneumoconioses [-183,-1]	311	0.1%
Pneumonia [-183,-1]	43,609	17.1%
Pulmonary contusion [-183,-1]	208	0.1%
Pulmonary embolism [-183,-1]	3,574	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	138	0.1%
Sarcoidosis [-183,-1]	731	0.3%
Sepsis [-183,-1]	35,064	13.7%
Sickle-cell disease with acute chest syndrome [-183,-1]	35	0.0%
Shock [-183,-1]	14,717	5.8%
Transfusion [-183,-1]	18,240	7.1%
Trauma [-183,-1]	17,424	6.8%

Table 2j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	175,838	68.8%
Acute on chronic respiratory failure [-1,0]	47,714	18.7%
Unspecified respiratory failure [-1,0]	37,668	14.7%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	216,931	84.9%
Post-procedural respiratory failure [-1,0]	6,161	2.4%
Acute respiratory distress syndrome [-1,0]	19,448	7.6%
Intubation [-1,0]	208,422	81.6%
Mechanical ventilation [-1,0]	255,421	100.0%
High-flow nasal cannula [-1,0]	140	0.1%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	1,173	0.5%
Continuous positive airway pressure (CPAP) [-1,0]	26,650	10.4%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	255,421	100.0%
Mechanical ventilation and intubation [-1,0]	208,422	81.6%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	14,586	5.7%
Acute on chronic respiratory failure in ED [-1,0]	1,948	0.8%
Unspecified respiratory failure in ED [-1,0]	5,074	2.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	20,731	8.1%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	2,057	0.8%
Acute on chronic respiratory failure [-1,-1]	377	0.1%
Unspecified respiratory failure [-1,-1]	617	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	2,945	1.2%
Post-procedural respiratory failure [-1,-1]	12	0.0%
Acute respiratory distress syndrome [-1,-1]	71	0.0%
Intubation [-1,-1]	2,791	1.1%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	611	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	3,220	1.3%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	1,611	0.6%
Acute on chronic respiratory failure in ED [-1,-1]	284	0.1%
Unspecified respiratory failure in ED [-1,-1]	551	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	2,370	0.9%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.4	3.6

Table 2j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between January 1, 2020 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.7	24.6
Mean number of emergency room encounters	1.3	2.2
Mean number of inpatient hospital encounters	1.9	1.4
Mean number of non-acute institutional encounters	0.3	0.9
Mean number of other ambulatory encounters	17.6	25.6
Mean number of unique drug classes	10	5.8
Mean number of generics	10.8	6.5
Mean number of filled prescriptions	29.6	27.6

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	2,079,612	
Number of unique patients	1,730,293	
Demographics	Mean	Standard Deviation
Mean Age (Years)	71	13.4
Age (Years)	Number	Percent
0-17	7,088	0.3%
18-39	53,633	2.6%
40-64	488,746	23.5%
65+	1,530,145	73.6%
Sex		
Female	879,169	50.8%
Male	851,124	49.2%
Race		
Unknown	198,983	11.5%
American Indian or Alaska Native	11,527	0.7%
Asian	33,835	2.0%
Black or African American	243,732	14.1%
Native Hawaiian or Other Pacific Islander	2,682	0.2%
White	1,239,534	71.6%
Ethnicity		
Hispanic Origin	44,400	2.6%
Year		
2016	324,850	15.6%
2017	464,392	22.3%
2018	465,904	22.4%
2019	477,419	23.0%
2020	346,511	16.7%
2021	536	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	1,850	0.1%
Anaphylaxis [0,0]	5,775	0.3%
Angioedema [0,0]	9,738	0.5%
Aspiration of gastric contents [0,0]	349,428	16.8%
Asthma [0,0]	92,872	4.5%
Asthma exacerbation [0,0]	39,501	1.9%
Bronchiectasis [0,0]	18,837	0.9%
Cardiogenic risk factors [0,0]	1,034,238	49.7%
Covid-19 [0,0]	51,371	2.5%
Connective tissue rheumatic lung disease [0,0]	1,285	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	423,623	20.4%
COPD exacerbation [0,0]	568,724	27.3%
Congestive heart failure (CHF) [0,0]	1,090,774	52.5%
Cryptogenic organizing pneumonia [0,0]	1,204	0.1%
Cystic fibrosis [0,0]	1,346	0.1%

Table 3a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	306	0.0%
Drug-induced interstitial lung disorders [0,0]	2,151	0.1%
Hypersensitivity pneumonitis [0,0]	1,348	0.1%
Interstitial lung diseases [0,0]	32,314	1.6%
Idiopathic pulmonary fibrosis [0,0]	8,811	0.4%
Influenza [0,0]	44,501	2.1%
Non-specific interstitial pneumonitis [0,0]	225	0.0%
Other lung disorders [0,0]	641,113	30.8%
Pancreatitis [0,0]	30,068	1.4%
Pneumoconioses [0,0]	5,226	0.3%
Pneumonia [0,0]	797,454	38.3%
Pulmonary contusion [0,0]	8,647	0.4%
Pulmonary embolism [0,0]	58,773	2.8%
Radiation-associated pulmonary manifestations [0,0]	2,489	0.1%
Sarcoidosis [0,0]	8,999	0.4%
Sepsis [0,0]	794,570	38.2%
Sickle-cell disease with acute chest syndrome [0,0]	466	0.0%
Shock [0,0]	584,676	28.1%
Transfusion [0,0]	275,060	13.2%
Trauma [0,0]	133,288	6.4%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	1,905	0.1%
Anaphylaxis [-7,7]	5,972	0.3%
Angioedema [-7,7]	9,984	0.5%
Aspiration of gastric contents [-7,7]	360,129	17.3%
Asthma [-7,7]	101,368	4.9%
Asthma exacerbation [-7,7]	41,032	2.0%
Bronchiectasis [-7,7]	19,773	1.0%
Cardiogenic risk factors [-7,7]	1,055,653	50.8%
Covid-19 [-7,7]	51,849	2.5%
Connective tissue rheumatic lung disease [-7,7]	1,385	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	459,317	22.1%
COPD exacerbation [-7,7]	582,210	28.0%
Congestive heart failure (CHF) [-7,7]	1,111,948	53.5%
Cryptogenic organizing pneumonia [-7,7]	1,289	0.1%
Cystic fibrosis [-7,7]	1,373	0.1%
Drowning [-7,7]	311	0.0%
Drug-induced interstitial lung disorders [-7,7]	2,308	0.1%
Hypersensitivity pneumonitis [-7,7]	1,438	0.1%
Interstitial lung diseases [-7,7]	34,423	1.7%
Idiopathic pulmonary fibrosis [-7,7]	9,243	0.4%
Influenza [-7,7]	46,208	2.2%
Non-specific interstitial pneumonitis [-7,7]	244	0.0%
Other lung disorders [-7,7]	671,537	32.3%
Pancreatitis [-7,7]	31,638	1.5%
Pneumoconioses [-7,7]	5,499	0.3%

Table 3a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumonia [-7,7]	822,133	39.5%
Pulmonary contusion [-7,7]	8,851	0.4%
Pulmonary embolism [-7,7]	61,793	3.0%
Radiation-associated pulmonary manifestations [-7,7]	2,631	0.1%
Sarcoidosis [-7,7]	9,241	0.4%
Sepsis [-7,7]	815,895	39.2%
Sickle-cell disease with acute chest syndrome [-7,7]	500	0.0%
Shock [-7,7]	605,748	29.1%
Transfusion [-7,7]	291,024	14.0%
Trauma [-7,7]	145,089	7.0%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	1,351	0.1%
Anaphylaxis [-183,-1]	1,603	0.1%
Angioedema [-183,-1]	3,752	0.2%
Aspiration of gastric contents [-183,-1]	84,954	4.1%
Asthma [-183,-1]	114,646	5.5%
Asthma exacerbation [-183,-1]	32,627	1.6%
Bronchiectasis [-183,-1]	14,007	0.7%
Cardiogenic risk factors [-183,-1]	592,305	28.5%
Covid-19 [-183,-1]	11,842	0.6%
Connective tissue rheumatic lung disease [-183,-1]	1,008	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	440,148	21.2%
COPD exacerbation [-183,-1]	340,206	16.4%
Congestive heart failure (CHF) [-183,-1]	623,076	30.0%
Cryptogenic organizing pneumonia (COP) [-183,-1]	635	0.0%
Cystic fibrosis [-183,-1]	1,149	0.1%
Drowning [-183,-1]	15	0.0%
Drug-induced interstitial lung disorders [-183,-1]	1,023	0.0%
Hypersensitivity pneumonitis [-183,-1]	783	0.0%
Interstitial lung diseases [-183,-1]	21,229	1.0%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	5,195	0.2%
Influenza [-183,-1]	25,096	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	117	0.0%
Other lung disorders [-183,-1]	298,023	14.3%
Pancreatitis [-183,-1]	22,654	1.1%
Pneumoconioses [-183,-1]	3,375	0.2%
Pneumonia [-183,-1]	346,639	16.7%
Pulmonary contusion [-183,-1]	1,341	0.1%
Pulmonary embolism [-183,-1]	27,295	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	1,758	0.1%
Sarcoidosis [-183,-1]	7,123	0.3%
Sepsis [-183,-1]	247,056	11.9%
Sickle-cell disease with acute chest syndrome [-183,-1]	312	0.0%
Shock [-183,-1]	85,557	4.1%
Transfusion [-183,-1]	146,219	7.0%
Trauma [-183,-1]	147,210	7.1%

Table 3a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	1,364,123	65.6%
Acute on chronic respiratory failure [-1,0]	575,571	27.7%
Unspecified respiratory failure [-1,0]	252,604	12.1%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,910,676	91.9%
Post-procedural respiratory failure [-1,0]	47,974	2.3%
Acute respiratory distress syndrome [-1,0]	54,412	2.6%
Intubation [-1,0]	1,057,983	50.9%
Mechanical ventilation [-1,0]	1,297,007	62.4%
High-flow nasal cannula [-1,0]	585	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	8,009	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	842,268	40.5%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	2,015,112	96.9%
Mechanical ventilation and intubation [-1,0]	1,049,573	50.5%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	80,101	3.9%
Acute on chronic respiratory failure in ED [-1,0]	15,987	0.8%
Unspecified respiratory failure in ED [-1,0]	30,536	1.5%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	122,666	5.9%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	10,870	0.5%
Acute on chronic respiratory failure [-1,-1]	2,477	0.1%
Unspecified respiratory failure [-1,-1]	4,559	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	17,418	0.8%
Post-procedural respiratory failure [-1,-1]	36	0.0%
Acute respiratory distress syndrome [-1,-1]	603	0.0%
Intubation [-1,-1]	18,272	0.9%
Mechanical ventilation [-1,-1]	6,670	0.3%
High-flow nasal cannula [-1,-1]	*****	*****
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	5,830	0.3%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	24,714	1.2%
Mechanical ventilation and intubation [-1,-1]	4,813	0.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	10,596	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	2,364	0.1%
Unspecified respiratory failure in ED [-1,-1]	4,501	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	17,004	0.8%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.6

Table 3a. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.3	23.3
Mean number of emergency room encounters	1.2	2.2
Mean number of inpatient hospital encounters	2	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	18	24.4
Mean number of unique drug classes	10.8	5.9
Mean number of generics	11.7	6.7
Mean number of filled prescriptions	33.4	28.7

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	1,127,023	
Number of unique patients	1,038,396	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.8	13.3
Age (Years)	Number	Percent
0-17	3,018	0.3%
18-39	35,022	3.1%
40-64	287,509	25.5%
65+	801,474	71.1%
Sex		
Female	508,479	49.0%
Male	529,917	51.0%
Race		
Unknown	124,673	12.0%
American Indian or Alaska Native	7,377	0.7%
Asian	21,345	2.1%
Black or African American	165,233	15.9%
Native Hawaiian or Other Pacific Islander	1,591	0.2%
White	718,177	69.2%
Ethnicity		
Hispanic Origin	29,196	2.8%
Year		
2016	183,133	16.2%
2017	253,730	22.5%
2018	246,723	21.9%
2019	244,403	21.7%
2020	198,805	17.6%
2021	229	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	777	0.1%
Anaphylaxis [0,0]	4,668	0.4%
Angioedema [0,0]	8,688	0.8%
Aspiration of gastric contents [0,0]	243,721	21.6%
Asthma [0,0]	46,939	4.2%
Asthma exacerbation [0,0]	13,693	1.2%
Bronchiectasis [0,0]	8,168	0.7%
Cardiogenic risk factors [0,0]	500,316	44.4%
Covid-19 [0,0]	37,592	3.3%
Connective tissue rheumatic lung disease [0,0]	647	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	212,365	18.8%
COPD exacerbation [0,0]	226,093	20.1%
Congestive heart failure (CHF) [0,0]	536,636	47.6%
Cryptogenic organizing pneumonia [0,0]	660	0.1%
Cystic fibrosis [0,0]	614	0.1%

Table 3b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	171	0.0%
Drug-induced interstitial lung disorders [0,0]	971	0.1%
Hypersensitivity pneumonitis [0,0]	568	0.1%
Interstitial lung diseases [0,0]	15,692	1.4%
Idiopathic pulmonary fibrosis [0,0]	3,356	0.3%
Influenza [0,0]	22,895	2.0%
Non-specific interstitial pneumonitis [0,0]	109	0.0%
Other lung disorders [0,0]	368,377	32.7%
Pancreatitis [0,0]	21,696	1.9%
Pneumoconioses [0,0]	2,675	0.2%
Pneumonia [0,0]	458,662	40.7%
Pulmonary contusion [0,0]	6,017	0.5%
Pulmonary embolism [0,0]	36,447	3.2%
Radiation-associated pulmonary manifestations [0,0]	1,145	0.1%
Sarcoidosis [0,0]	4,196	0.4%
Sepsis [0,0]	532,691	47.3%
Sickle-cell disease with acute chest syndrome [0,0]	329	0.0%
Shock [0,0]	453,692	40.3%
Transfusion [0,0]	183,317	16.3%
Trauma [0,0]	92,274	8.2%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	809	0.1%
Anaphylaxis [-7,7]	4,802	0.4%
Angioedema [-7,7]	8,849	0.8%
Aspiration of gastric contents [-7,7]	251,406	22.3%
Asthma [-7,7]	51,401	4.6%
Asthma exacerbation [-7,7]	14,358	1.3%
Bronchiectasis [-7,7]	8,676	0.8%
Cardiogenic risk factors [-7,7]	513,091	45.5%
Covid-19 [-7,7]	37,872	3.4%
Connective tissue rheumatic lung disease [-7,7]	708	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	228,527	20.3%
COPD exacerbation [-7,7]	233,325	20.7%
Congestive heart failure (CHF) [-7,7]	549,163	48.7%
Cryptogenic organizing pneumonia [-7,7]	718	0.1%
Cystic fibrosis [-7,7]	630	0.1%
Drowning [-7,7]	175	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,053	0.1%
Hypersensitivity pneumonitis [-7,7]	610	0.1%
Interstitial lung diseases [-7,7]	16,801	1.5%
Idiopathic pulmonary fibrosis [-7,7]	3,552	0.3%
Influenza [-7,7]	23,843	2.1%
Non-specific interstitial pneumonitis [-7,7]	117	0.0%
Other lung disorders [-7,7]	385,778	34.2%
Pancreatitis [-7,7]	22,753	2.0%

Table 3b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	2,811	0.2%
Pneumonia [-7,7]	473,283	42.0%
Pulmonary contusion [-7,7]	6,140	0.5%
Pulmonary embolism [-7,7]	38,390	3.4%
Radiation-associated pulmonary manifestations [-7,7]	1,205	0.1%
Sarcoidosis [-7,7]	4,334	0.4%
Sepsis [-7,7]	546,857	48.5%
Sickle-cell disease with acute chest syndrome [-7,7]	355	0.0%
Shock [-7,7]	469,524	41.7%
Transfusion [-7,7]	193,566	17.2%
Trauma [-7,7]	99,297	8.8%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	599	0.1%
Anaphylaxis [-183,-1]	924	0.1%
Angioedema [-183,-1]	2,342	0.2%
Aspiration of gastric contents [-183,-1]	44,549	4.0%
Asthma [-183,-1]	58,157	5.2%
Asthma exacerbation [-183,-1]	13,242	1.2%
Bronchiectasis [-183,-1]	5,956	0.5%
Cardiogenic risk factors [-183,-1]	283,460	25.2%
Covid-19 [-183,-1]	7,322	0.6%
Connective tissue rheumatic lung disease [-183,-1]	508	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	205,813	18.3%
COPD exacerbation [-183,-1]	140,034	12.4%
Congestive heart failure (CHF) [-183,-1]	300,811	26.7%
Cryptogenic organizing pneumonia (COP) [-183,-1]	312	0.0%
Cystic fibrosis [-183,-1]	516	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	500	0.0%
Hypersensitivity pneumonitis [-183,-1]	337	0.0%
Interstitial lung diseases [-183,-1]	9,613	0.9%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	2,072	0.2%
Influenza [-183,-1]	12,455	1.1%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	68	0.0%
Other lung disorders [-183,-1]	147,393	13.1%
Pancreatitis [-183,-1]	14,532	1.3%
Pneumoconioses [-183,-1]	1,517	0.1%
Pneumonia [-183,-1]	168,335	14.9%
Pulmonary contusion [-183,-1]	704	0.1%
Pulmonary embolism [-183,-1]	14,783	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	793	0.1%
Sarcoidosis [-183,-1]	3,454	0.3%
Sepsis [-183,-1]	134,244	11.9%
Sickle-cell disease with acute chest syndrome [-183,-1]	215	0.0%
Shock [-183,-1]	48,531	4.3%

Table 3b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	80,779	7.2%
Trauma [-183,-1]	82,071	7.3%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	830,208	73.7%
Acute on chronic respiratory failure [-1,0]	219,416	19.5%
Unspecified respiratory failure [-1,0]	166,175	14.7%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,038,264	92.1%
Post-procedural respiratory failure [-1,0]	27,784	2.5%
Acute respiratory distress syndrome [-1,0]	43,099	3.8%
Intubation [-1,0]	1,062,161	94.2%
Mechanical ventilation [-1,0]	1,092,332	96.9%
High-flow nasal cannula [-1,0]	118	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	3,876	0.3%
Continuous positive airway pressure (CPAP) [-1,0]	127,803	11.3%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,098,641	97.5%
Mechanical ventilation and intubation [-1,0]	1,059,502	94.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	45,646	4.1%
Acute on chronic respiratory failure in ED [-1,0]	5,683	0.5%
Unspecified respiratory failure in ED [-1,0]	18,918	1.7%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	67,641	6.0%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	4,270	0.4%
Acute on chronic respiratory failure [-1,-1]	759	0.1%
Unspecified respiratory failure [-1,-1]	1,672	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	6,508	0.6%
Post-procedural respiratory failure [-1,-1]	14	0.0%
Acute respiratory distress syndrome [-1,-1]	250	0.0%
Intubation [-1,-1]	6,912	0.6%
Mechanical ventilation [-1,-1]	1,916	0.2%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	1,879	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	8,880	0.8%
Mechanical ventilation and intubation [-1,-1]	1,392	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	4,069	0.4%
Acute on chronic respiratory failure in ED [-1,-1]	675	0.1%
Unspecified respiratory failure in ED [-1,-1]	1,638	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	6,211	0.6%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.6

Table 3b. Aggregated Baseline Table for Patients with Respiratory Failure During an Inpatient Encounter Who Received Intubation and Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.7	24.2
Mean number of emergency room encounters	1.2	2.3
Mean number of inpatient hospital encounters	2	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	16.9	22.9
Mean number of unique drug classes	10.4	5.8
Mean number of generics	11.2	6.6
Mean number of filled prescriptions	31.4	27.3

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	5,350,062	
Number of unique patients	3,802,112	
Demographics	Mean	Standard Deviation
Mean Age (Years)	72.9	13.4
Age (Years)	Number	Percent
0-17	17,977	0.3%
18-39	105,597	2.0%
40-64	1,071,658	20.0%
65+	4,154,830	77.7%
Sex		
Female	2,043,523	53.7%
Male	1,758,589	46.3%
Race		
Unknown	480,417	12.6%
American Indian or Alaska Native	23,223	0.6%
Asian	60,497	1.6%
Black or African American	411,111	10.8%
Native Hawaiian or Other Pacific Islander	5,703	0.1%
White	2,821,161	74.2%
Ethnicity		
Hispanic Origin	81,911	2.2%
Year		
2016	770,348	14.4%
2017	1,166,353	21.8%
2018	1,208,941	22.6%
2019	1,253,343	23.4%
2020	949,283	17.7%
2021	1,794	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	5,522	0.1%
Anaphylaxis [0,0]	7,797	0.1%
Angioedema [0,0]	11,019	0.2%
Aspiration of gastric contents [0,0]	649,552	12.1%
Asthma [0,0]	252,547	4.7%
Asthma exacerbation [0,0]	139,243	2.6%
Bronchiectasis [0,0]	65,235	1.2%
Cardiogenic risk factors [0,0]	2,615,760	48.9%
Covid-19 [0,0]	154,948	2.9%
Connective tissue rheumatic lung disease [0,0]	3,831	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	1,101,574	20.6%
COPD exacerbation [0,0]	1,670,958	31.2%
Congestive heart failure (CHF) [0,0]	2,743,015	51.3%
Cryptogenic organizing pneumonia [0,0]	3,228	0.1%
Cystic fibrosis [0,0]	4,166	0.1%

Table 3c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	381	0.0%
Drug-induced interstitial lung disorders [0,0]	6,775	0.1%
Hypersensitivity pneumonitis [0,0]	4,558	0.1%
Interstitial lung diseases [0,0]	95,719	1.8%
Idiopathic pulmonary fibrosis [0,0]	28,587	0.5%
Influenza [0,0]	150,366	2.8%
Non-specific interstitial pneumonitis [0,0]	610	0.0%
Other lung disorders [0,0]	1,540,777	28.8%
Pancreatitis [0,0]	57,415	1.1%
Pneumoconioses [0,0]	13,079	0.2%
Pneumonia [0,0]	2,035,687	38.0%
Pulmonary contusion [0,0]	13,085	0.2%
Pulmonary embolism [0,0]	173,041	3.2%
Radiation-associated pulmonary manifestations [0,0]	8,095	0.2%
Sarcoidosis [0,0]	24,641	0.5%
Sepsis [0,0]	1,563,704	29.2%
Sickle-cell disease with acute chest syndrome [0,0]	1,604	0.0%
Shock [0,0]	789,792	14.8%
Transfusion [0,0]	431,958	8.1%
Trauma [0,0]	233,409	4.4%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	5,676	0.1%
Anaphylaxis [-7,7]	8,102	0.2%
Angioedema [-7,7]	11,477	0.2%
Aspiration of gastric contents [-7,7]	664,627	12.4%
Asthma [-7,7]	274,412	5.1%
Asthma exacerbation [-7,7]	143,748	2.7%
Bronchiectasis [-7,7]	67,720	1.3%
Cardiogenic risk factors [-7,7]	2,662,612	49.8%
Covid-19 [-7,7]	156,315	2.9%
Connective tissue rheumatic lung disease [-7,7]	4,044	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	1,199,364	22.4%
COPD exacerbation [-7,7]	1,704,261	31.9%
Congestive heart failure (CHF) [-7,7]	2,790,490	52.2%
Cryptogenic organizing pneumonia [-7,7]	3,379	0.1%
Cystic fibrosis [-7,7]	4,247	0.1%
Drowning [-7,7]	388	0.0%
Drug-induced interstitial lung disorders [-7,7]	7,113	0.1%
Hypersensitivity pneumonitis [-7,7]	4,763	0.1%
Interstitial lung diseases [-7,7]	100,781	1.9%
Idiopathic pulmonary fibrosis [-7,7]	29,618	0.6%
Influenza [-7,7]	154,823	2.9%
Non-specific interstitial pneumonitis [-7,7]	645	0.0%
Other lung disorders [-7,7]	1,603,609	30.0%
Pancreatitis [-7,7]	60,373	1.1%

Table 3c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	13,752	0.3%
Pneumonia [-7,7]	2,088,444	39.0%
Pulmonary contusion [-7,7]	13,490	0.3%
Pulmonary embolism [-7,7]	178,960	3.3%
Radiation-associated pulmonary manifestations [-7,7]	8,433	0.2%
Sarcoidosis [-7,7]	25,282	0.5%
Sepsis [-7,7]	1,598,720	29.9%
Sickle-cell disease with acute chest syndrome [-7,7]	1,694	0.0%
Shock [-7,7]	811,390	15.2%
Transfusion [-7,7]	457,290	8.5%
Trauma [-7,7]	260,061	4.9%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	3,549	0.1%
Anaphylaxis [-183,-1]	3,365	0.1%
Angioedema [-183,-1]	7,745	0.1%
Aspiration of gastric contents [-183,-1]	191,225	3.6%
Asthma [-183,-1]	282,754	5.3%
Asthma exacerbation [-183,-1]	84,914	1.6%
Bronchiectasis [-183,-1]	40,029	0.7%
Cardiogenic risk factors [-183,-1]	1,446,103	27.0%
Covid-19 [-183,-1]	33,214	0.6%
Connective tissue rheumatic lung disease [-183,-1]	2,677	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	1,135,610	21.2%
COPD exacerbation [-183,-1]	867,154	16.2%
Congestive heart failure (CHF) [-183,-1]	1,526,351	28.5%
Cryptogenic organizing pneumonia (COP) [-183,-1]	1,702	0.0%
Cystic fibrosis [-183,-1]	3,425	0.1%
Drowning [-183,-1]	17	0.0%
Drug-induced interstitial lung disorders [-183,-1]	2,677	0.1%
Hypersensitivity pneumonitis [-183,-1]	2,061	0.0%
Interstitial lung diseases [-183,-1]	57,875	1.1%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	14,639	0.3%
Influenza [-183,-1]	66,543	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	348	0.0%
Other lung disorders [-183,-1]	755,232	14.1%
Pancreatitis [-183,-1]	49,979	0.9%
Pneumoconioses [-183,-1]	8,407	0.2%
Pneumonia [-183,-1]	865,171	16.2%
Pulmonary contusion [-183,-1]	3,438	0.1%
Pulmonary embolism [-183,-1]	70,644	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	4,666	0.1%
Sarcoidosis [-183,-1]	17,247	0.3%
Sepsis [-183,-1]	560,928	10.5%
Sickle-cell disease with acute chest syndrome [-183,-1]	1,138	0.0%
Shock [-183,-1]	181,089	3.4%

Table 3c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	308,043	5.8%
Trauma [-183,-1]	352,297	6.6%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	3,675,960	68.7%
Acute on chronic respiratory failure [-1,0]	1,604,577	30.0%
Unspecified respiratory failure [-1,0]	534,269	10.0%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	5,350,062	100.0%
Post-procedural respiratory failure [-1,0]	36,020	0.7%
Acute respiratory distress syndrome [-1,0]	56,093	1.0%
Intubation [-1,0]	1,034,790	19.3%
Mechanical ventilation [-1,0]	1,202,117	22.5%
High-flow nasal cannula [-1,0]	538	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	7,397	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	793,855	14.8%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,932,269	36.1%
Mechanical ventilation and intubation [-1,0]	973,431	18.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	267,176	5.0%
Acute on chronic respiratory failure in ED [-1,0]	86,990	1.6%
Unspecified respiratory failure in ED [-1,0]	73,017	1.4%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	419,285	7.8%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	0	0.0%
Acute on chronic respiratory failure [-1,-1]	0	0.0%
Unspecified respiratory failure [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	0	0.0%
Post-procedural respiratory failure [-1,-1]	125	0.0%
Acute respiratory distress syndrome [-1,-1]	1,191	0.0%
Intubation [-1,-1]	12,332	0.2%
Mechanical ventilation [-1,-1]	5,804	0.1%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	33	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	6,523	0.1%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	19,941	0.4%
Mechanical ventilation and intubation [-1,-1]	4,258	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	0	0.0%
Acute on chronic respiratory failure in ED [-1,-1]	0	0.0%
Unspecified respiratory failure in ED [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	0	0.0%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7	3.6

Table 3c. Aggregated Baseline Table for Patients with Acute, Acute on Chronic, or Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.4	21.7
Mean number of emergency room encounters	1.2	2.1
Mean number of inpatient hospital encounters	1.8	1.4
Mean number of non-acute institutional encounters	0.3	0.8
Mean number of other ambulatory encounters	15.6	21.5
Mean number of unique drug classes	10.8	5.8
Mean number of generics	11.6	6.5
Mean number of filled prescriptions	32.8	27.7

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	3,748,762	
Number of unique patients	3,052,030	
Demographics	Mean	Standard Deviation
Mean Age (Years)	73	13.8
Age (Years)	Number	Percent
0-17	15,473	0.4%
18-39	83,931	2.2%
40-64	751,108	20.0%
65+	2,898,250	77.3%
Sex		
Female	1,619,873	53.1%
Male	1,432,157	46.9%
Race		
Unknown	419,178	13.7%
American Indian or Alaska Native	18,645	0.6%
Asian	51,087	1.7%
Black or African American	338,406	11.1%
Native Hawaiian or Other Pacific Islander	4,920	0.2%
White	2,219,794	72.7%
Ethnicity		
Hispanic Origin	68,956	2.3%
Year		
2016	517,136	13.8%
2017	794,845	21.2%
2018	838,662	22.4%
2019	879,140	23.5%
2020	717,507	19.1%
2021	1,472	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	1,945	0.1%
Anaphylaxis [0,0]	6,639	0.2%
Angioedema [0,0]	9,493	0.3%
Aspiration of gastric contents [0,0]	520,118	13.9%
Asthma [0,0]	177,954	4.7%
Asthma exacerbation [0,0]	104,045	2.8%
Bronchiectasis [0,0]	36,614	1.0%
Cardiogenic risk factors [0,0]	1,767,314	47.1%
Covid-19 [0,0]	137,959	3.7%
Connective tissue rheumatic lung disease [0,0]	1,774	0.0%
Chronic obstructive pulmonary disorder (COPD) [0,0]	707,920	18.9%
COPD exacerbation [0,0]	883,730	23.6%
Congestive heart failure (CHF) [0,0]	1,865,829	49.8%
Cryptogenic organizing pneumonia [0,0]	2,103	0.1%
Cystic fibrosis [0,0]	1,937	0.1%

Table 3d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	345	0.0%
Drug-induced interstitial lung disorders [0,0]	4,829	0.1%
Hypersensitivity pneumonitis [0,0]	2,493	0.1%
Interstitial lung diseases [0,0]	57,307	1.5%
Idiopathic pulmonary fibrosis [0,0]	10,686	0.3%
Influenza [0,0]	113,680	3.0%
Non-specific interstitial pneumonitis [0,0]	377	0.0%
Other lung disorders [0,0]	1,155,922	30.8%
Pancreatitis [0,0]	46,221	1.2%
Pneumoconioses [0,0]	7,398	0.2%
Pneumonia [0,0]	1,471,906	39.3%
Pulmonary contusion [0,0]	11,083	0.3%
Pulmonary embolism [0,0]	139,442	3.7%
Radiation-associated pulmonary manifestations [0,0]	4,651	0.1%
Sarcoidosis [0,0]	13,754	0.4%
Sepsis [0,0]	1,214,230	32.4%
Sickle-cell disease with acute chest syndrome [0,0]	1,328	0.0%
Shock [0,0]	651,019	17.4%
Transfusion [0,0]	329,616	8.8%
Trauma [0,0]	180,174	4.8%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	2,026	0.1%
Anaphylaxis [-7,7]	6,879	0.2%
Angioedema [-7,7]	9,854	0.3%
Aspiration of gastric contents [-7,7]	531,395	14.2%
Asthma [-7,7]	193,615	5.2%
Asthma exacerbation [-7,7]	107,271	2.9%
Bronchiectasis [-7,7]	38,240	1.0%
Cardiogenic risk factors [-7,7]	1,800,743	48.0%
Covid-19 [-7,7]	139,017	3.7%
Connective tissue rheumatic lung disease [-7,7]	1,901	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	764,462	20.4%
COPD exacerbation [-7,7]	905,604	24.2%
Congestive heart failure (CHF) [-7,7]	1,900,060	50.7%
Cryptogenic organizing pneumonia [-7,7]	2,215	0.1%
Cystic fibrosis [-7,7]	1,984	0.1%
Drowning [-7,7]	351	0.0%
Drug-induced interstitial lung disorders [-7,7]	5,081	0.1%
Hypersensitivity pneumonitis [-7,7]	2,636	0.1%
Interstitial lung diseases [-7,7]	60,683	1.6%
Idiopathic pulmonary fibrosis [-7,7]	11,212	0.3%
Influenza [-7,7]	116,895	3.1%
Non-specific interstitial pneumonitis [-7,7]	404	0.0%
Other lung disorders [-7,7]	1,201,601	32.1%
Pancreatitis [-7,7]	48,471	1.3%

Table 3d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	7,840	0.2%
Pneumonia [-7,7]	1,509,659	40.3%
Pulmonary contusion [-7,7]	11,400	0.3%
Pulmonary embolism [-7,7]	143,972	3.8%
Radiation-associated pulmonary manifestations [-7,7]	4,844	0.1%
Sarcoidosis [-7,7]	14,184	0.4%
Sepsis [-7,7]	1,240,054	33.1%
Sickle-cell disease with acute chest syndrome [-7,7]	1,405	0.0%
Shock [-7,7]	667,037	17.8%
Transfusion [-7,7]	348,891	9.3%
Trauma [-7,7]	199,330	5.3%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	1,245	0.0%
Anaphylaxis [-183,-1]	2,389	0.1%
Angioedema [-183,-1]	5,637	0.2%
Aspiration of gastric contents [-183,-1]	125,604	3.4%
Asthma [-183,-1]	180,316	4.8%
Asthma exacerbation [-183,-1]	54,395	1.5%
Bronchiectasis [-183,-1]	19,696	0.5%
Cardiogenic risk factors [-183,-1]	898,605	24.0%
Covid-19 [-183,-1]	27,602	0.7%
Connective tissue rheumatic lung disease [-183,-1]	1,168	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	627,882	16.7%
COPD exacerbation [-183,-1]	407,816	10.9%
Congestive heart failure (CHF) [-183,-1]	958,056	25.6%
Cryptogenic organizing pneumonia (COP) [-183,-1]	877	0.0%
Cystic fibrosis [-183,-1]	1,517	0.0%
Drowning [-183,-1]	11	0.0%
Drug-induced interstitial lung disorders [-183,-1]	1,434	0.0%
Hypersensitivity pneumonitis [-183,-1]	914	0.0%
Interstitial lung diseases [-183,-1]	29,319	0.8%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	5,203	0.1%
Influenza [-183,-1]	43,303	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	176	0.0%
Other lung disorders [-183,-1]	491,873	13.1%
Pancreatitis [-183,-1]	37,323	1.0%
Pneumoconioses [-183,-1]	4,221	0.1%
Pneumonia [-183,-1]	528,297	14.1%
Pulmonary contusion [-183,-1]	2,513	0.1%
Pulmonary embolism [-183,-1]	47,422	1.3%
Radiation-associated pulmonary manifestations [-183,-1]	2,305	0.1%
Sarcoidosis [-183,-1]	9,186	0.2%
Sepsis [-183,-1]	374,984	10.0%
Sickle-cell disease with acute chest syndrome [-183,-1]	849	0.0%
Shock [-183,-1]	122,339	3.3%

Table 3d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	212,616	5.7%
Trauma [-183,-1]	243,902	6.5%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	3,748,762	100.0%
Acute on chronic respiratory failure [-1,0]	230,270	6.1%
Unspecified respiratory failure [-1,0]	240,203	6.4%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	3,748,762	100.0%
Post-procedural respiratory failure [-1,0]	30,009	0.8%
Acute respiratory distress syndrome [-1,0]	50,479	1.3%
Intubation [-1,0]	855,171	22.8%
Mechanical ventilation [-1,0]	967,559	25.8%
High-flow nasal cannula [-1,0]	499	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	6,426	0.2%
Continuous positive airway pressure (CPAP) [-1,0]	502,221	13.4%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,425,964	38.0%
Mechanical ventilation and intubation [-1,0]	807,028	21.5%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	275,590	7.4%
Acute on chronic respiratory failure in ED [-1,0]	14,792	0.4%
Unspecified respiratory failure in ED [-1,0]	31,957	0.9%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	314,190	8.4%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	0	0.0%
Acute on chronic respiratory failure [-1,-1]	2,590	0.1%
Unspecified respiratory failure [-1,-1]	5,093	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	7,603	0.2%
Post-procedural respiratory failure [-1,-1]	105	0.0%
Acute respiratory distress syndrome [-1,-1]	955	0.0%
Intubation [-1,-1]	13,328	0.4%
Mechanical ventilation [-1,-1]	6,146	0.2%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	31	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	5,074	0.1%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	19,171	0.5%
Mechanical ventilation and intubation [-1,-1]	4,784	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	0	0.0%
Acute on chronic respiratory failure in ED [-1,-1]	1,551	0.0%
Unspecified respiratory failure in ED [-1,-1]	4,105	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	5,631	0.2%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	6.9	3.6

Table 3d. Aggregated Baseline Table for Patients with Acute Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.5	22.4
Mean number of emergency room encounters	1.2	2.2
Mean number of inpatient hospital encounters	1.8	1.3
Mean number of non-acute institutional encounters	0.3	0.8
Mean number of other ambulatory encounters	14.2	19.9
Mean number of unique drug classes	10.2	5.6
Mean number of generics	11	6.3
Mean number of filled prescriptions	30.7	26.4

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	1,707,278	
Number of unique patients	1,102,743	
Demographics	Mean	Standard Deviation
Mean Age (Years)	72.5	11.8
Age (Years)	Number	Percent
0-17	2,233	0.1%
18-39	20,355	1.2%
40-64	358,104	21.0%
65+	1,326,586	77.7%
Sex		
Female	622,866	56.5%
Male	479,877	43.5%
Race		
Unknown	108,238	9.8%
American Indian or Alaska Native	6,643	0.6%
Asian	11,347	1.0%
Black or African American	110,305	10.0%
Native Hawaiian or Other Pacific Islander	1,203	0.1%
White	865,007	78.4%
Ethnicity		
Hispanic Origin	16,903	1.5%
Year		
2016	250,894	14.7%
2017	384,060	22.5%
2018	396,156	23.2%
2019	412,201	24.1%
2020	263,550	15.4%
2021	417	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	4,041	0.2%
Anaphylaxis [0,0]	1,096	0.1%
Angioedema [0,0]	1,306	0.1%
Aspiration of gastric contents [0,0]	151,538	8.9%
Asthma [0,0]	78,489	4.6%
Asthma exacerbation [0,0]	40,467	2.4%
Bronchiectasis [0,0]	34,619	2.0%
Cardiogenic risk factors [0,0]	967,787	56.7%
Covid-19 [0,0]	19,982	1.2%
Connective tissue rheumatic lung disease [0,0]	2,472	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	491,212	28.8%
COPD exacerbation [0,0]	932,772	54.6%
Congestive heart failure (CHF) [0,0]	1,001,980	58.7%
Cryptogenic organizing pneumonia [0,0]	1,617	0.1%
Cystic fibrosis [0,0]	2,570	0.2%

Table 3e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	16	0.0%
Drug-induced interstitial lung disorders [0,0]	2,503	0.1%
Hypersensitivity pneumonitis [0,0]	2,556	0.1%
Interstitial lung diseases [0,0]	51,486	3.0%
Idiopathic pulmonary fibrosis [0,0]	21,597	1.3%
Influenza [0,0]	41,183	2.4%
Non-specific interstitial pneumonitis [0,0]	383	0.0%
Other lung disorders [0,0]	496,318	29.1%
Pancreatitis [0,0]	11,530	0.7%
Pneumoconioses [0,0]	6,585	0.4%
Pneumonia [0,0]	675,702	39.6%
Pulmonary contusion [0,0]	1,403	0.1%
Pulmonary embolism [0,0]	41,878	2.5%
Radiation-associated pulmonary manifestations [0,0]	4,397	0.3%
Sarcoidosis [0,0]	12,356	0.7%
Sepsis [0,0]	398,509	23.3%
Sickle-cell disease with acute chest syndrome [0,0]	260	0.0%
Shock [0,0]	157,139	9.2%
Transfusion [0,0]	103,663	6.1%
Trauma [0,0]	48,865	2.9%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	4,124	0.2%
Anaphylaxis [-7,7]	1,159	0.1%
Angioedema [-7,7]	1,417	0.1%
Aspiration of gastric contents [-7,7]	155,433	9.1%
Asthma [-7,7]	85,782	5.0%
Asthma exacerbation [-7,7]	42,209	2.5%
Bronchiectasis [-7,7]	35,725	2.1%
Cardiogenic risk factors [-7,7]	981,890	57.5%
Covid-19 [-7,7]	20,341	1.2%
Connective tissue rheumatic lung disease [-7,7]	2,580	0.2%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	540,482	31.7%
COPD exacerbation [-7,7]	947,181	55.5%
Congestive heart failure (CHF) [-7,7]	1,015,949	59.5%
Cryptogenic organizing pneumonia [-7,7]	1,671	0.1%
Cystic fibrosis [-7,7]	2,611	0.2%
Drowning [-7,7]	16	0.0%
Drug-induced interstitial lung disorders [-7,7]	2,619	0.2%
Hypersensitivity pneumonitis [-7,7]	2,646	0.2%
Interstitial lung diseases [-7,7]	53,788	3.2%
Idiopathic pulmonary fibrosis [-7,7]	22,225	1.3%
Influenza [-7,7]	42,580	2.5%
Non-specific interstitial pneumonitis [-7,7]	399	0.0%
Other lung disorders [-7,7]	516,906	30.3%
Pancreatitis [-7,7]	12,243	0.7%

Table 3e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	6,880	0.4%
Pneumonia [-7,7]	694,316	40.7%
Pulmonary contusion [-7,7]	1,477	0.1%
Pulmonary embolism [-7,7]	43,637	2.6%
Radiation-associated pulmonary manifestations [-7,7]	4,566	0.3%
Sarcoidosis [-7,7]	12,594	0.7%
Sepsis [-7,7]	409,546	24.0%
Sickle-cell disease with acute chest syndrome [-7,7]	271	0.0%
Shock [-7,7]	162,224	9.5%
Transfusion [-7,7]	110,215	6.5%
Trauma [-7,7]	56,523	3.3%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	2,718	0.2%
Anaphylaxis [-183,-1]	1,254	0.1%
Angioedema [-183,-1]	2,620	0.2%
Aspiration of gastric contents [-183,-1]	87,716	5.1%
Asthma [-183,-1]	116,608	6.8%
Asthma exacerbation [-183,-1]	38,810	2.3%
Bronchiectasis [-183,-1]	25,977	1.5%
Cardiogenic risk factors [-183,-1]	656,973	38.5%
Covid-19 [-183,-1]	8,943	0.5%
Connective tissue rheumatic lung disease [-183,-1]	1,879	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	614,151	36.0%
COPD exacerbation [-183,-1]	579,749	34.0%
Congestive heart failure (CHF) [-183,-1]	682,656	40.0%
Cryptogenic organizing pneumonia (COP) [-183,-1]	1,178	0.1%
Cystic fibrosis [-183,-1]	2,256	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	1,761	0.1%
Hypersensitivity pneumonitis [-183,-1]	1,538	0.1%
Interstitial lung diseases [-183,-1]	38,970	2.3%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	11,999	0.7%
Influenza [-183,-1]	29,432	1.7%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	263	0.0%
Other lung disorders [-183,-1]	360,567	21.1%
Pancreatitis [-183,-1]	14,082	0.8%
Pneumoconioses [-183,-1]	5,310	0.3%
Pneumonia [-183,-1]	443,422	26.0%
Pulmonary contusion [-183,-1]	1,262	0.1%
Pulmonary embolism [-183,-1]	32,049	1.9%
Radiation-associated pulmonary manifestations [-183,-1]	3,214	0.2%
Sarcoidosis [-183,-1]	9,476	0.6%
Sepsis [-183,-1]	241,054	14.1%
Sickle-cell disease with acute chest syndrome [-183,-1]	306	0.0%
Shock [-183,-1]	79,679	4.7%

Table 3e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	108,319	6.3%
Trauma [-183,-1]	116,617	6.8%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	237,547	13.9%
Acute on chronic respiratory failure [-1,0]	1,707,278	100.0%
Unspecified respiratory failure [-1,0]	88,241	5.2%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,707,278	100.0%
Post-procedural respiratory failure [-1,0]	5,850	0.3%
Acute respiratory distress syndrome [-1,0]	15,294	0.9%
Intubation [-1,0]	211,001	12.4%
Mechanical ventilation [-1,0]	280,787	16.4%
High-flow nasal cannula [-1,0]	104	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	1,513	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	355,110	20.8%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	595,035	34.9%
Mechanical ventilation and intubation [-1,0]	202,923	11.9%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	43,793	2.6%
Acute on chronic respiratory failure in ED [-1,0]	91,769	5.4%
Unspecified respiratory failure in ED [-1,0]	15,110	0.9%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	145,774	8.5%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	7,650	0.4%
Acute on chronic respiratory failure [-1,-1]	0	0.0%
Unspecified respiratory failure [-1,-1]	2,680	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	10,097	0.6%
Post-procedural respiratory failure [-1,-1]	17	0.0%
Acute respiratory distress syndrome [-1,-1]	439	0.0%
Intubation [-1,-1]	3,978	0.2%
Mechanical ventilation [-1,-1]	2,282	0.1%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	4,925	0.3%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	9,002	0.5%
Mechanical ventilation and intubation [-1,-1]	1,568	0.1%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	5,625	0.3%
Acute on chronic respiratory failure in ED [-1,-1]	0	0.0%
Unspecified respiratory failure in ED [-1,-1]	2,297	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	7,777	0.5%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.5

Table 3e. Aggregated Baseline Table for Patients with Acute on Chronic Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	19.3	19.4
Mean number of emergency room encounters	1.4	2.3
Mean number of inpatient hospital encounters	2.1	1.5
Mean number of non-acute institutional encounters	0.4	1
Mean number of other ambulatory encounters	19.2	24.3
Mean number of unique drug classes	12.3	6
Mean number of generics	13.3	6.8
Mean number of filled prescriptions	38.1	30

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	577,924	
Number of unique patients	532,018	
Demographics	Mean	Standard Deviation
Mean Age (Years)	71	14.4
Age (Years)	Number	Percent
0-17	4,680	0.8%
18-39	16,855	2.9%
40-64	136,926	23.7%
65+	419,463	72.6%
Sex		
Female	268,037	50.4%
Male	263,981	49.6%
Race		
Unknown	124,939	23.5%
American Indian or Alaska Native	2,483	0.5%
Asian	8,485	1.6%
Black or African American	64,464	12.1%
Native Hawaiian or Other Pacific Islander	2,041	0.4%
White	329,606	62.0%
Ethnicity		
Hispanic Origin	11,905	2.2%
Year		
2016	99,443	17.2%
2017	131,378	22.7%
2018	125,856	21.8%
2019	122,703	21.2%
2020	98,303	17.0%
2021	241	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	377	0.1%
Anaphylaxis [0,0]	1,311	0.2%
Angioedema [0,0]	2,166	0.4%
Aspiration of gastric contents [0,0]	80,885	14.0%
Asthma [0,0]	27,003	4.7%
Asthma exacerbation [0,0]	11,997	2.1%
Bronchiectasis [0,0]	7,067	1.2%
Cardiogenic risk factors [0,0]	267,887	46.4%
Covid-19 [0,0]	17,552	3.0%
Connective tissue rheumatic lung disease [0,0]	479	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	153,536	26.6%
COPD exacerbation [0,0]	130,714	22.6%
Congestive heart failure (CHF) [0,0]	298,066	51.6%
Cryptogenic organizing pneumonia [0,0]	420	0.1%
Cystic fibrosis [0,0]	521	0.1%

Table 3f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	94	0.0%
Drug-induced interstitial lung disorders [0,0]	653	0.1%
Hypersensitivity pneumonitis [0,0]	492	0.1%
Interstitial lung diseases [0,0]	14,657	2.5%
Idiopathic pulmonary fibrosis [0,0]	2,788	0.5%
Influenza [0,0]	12,404	2.1%
Non-specific interstitial pneumonitis [0,0]	145	0.0%
Other lung disorders [0,0]	271,977	47.1%
Pancreatitis [0,0]	8,856	1.5%
Pneumoconioses [0,0]	1,585	0.3%
Pneumonia [0,0]	246,106	42.6%
Pulmonary contusion [0,0]	3,278	0.6%
Pulmonary embolism [0,0]	24,189	4.2%
Radiation-associated pulmonary manifestations [0,0]	834	0.1%
Sarcoidosis [0,0]	2,464	0.4%
Sepsis [0,0]	195,897	33.9%
Sickle-cell disease with acute chest syndrome [0,0]	196	0.0%
Shock [0,0]	127,432	22.0%
Transfusion [0,0]	58,324	10.1%
Trauma [0,0]	39,692	6.9%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	403	0.1%
Anaphylaxis [-7,7]	1,380	0.2%
Angioedema [-7,7]	2,238	0.4%
Aspiration of gastric contents [-7,7]	83,773	14.5%
Asthma [-7,7]	29,456	5.1%
Asthma exacerbation [-7,7]	12,601	2.2%
Bronchiectasis [-7,7]	7,441	1.3%
Cardiogenic risk factors [-7,7]	275,811	47.7%
Covid-19 [-7,7]	17,796	3.1%
Connective tissue rheumatic lung disease [-7,7]	502	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	162,581	28.1%
COPD exacerbation [-7,7]	136,433	23.6%
Congestive heart failure (CHF) [-7,7]	306,160	53.0%
Cryptogenic organizing pneumonia [-7,7]	440	0.1%
Cystic fibrosis [-7,7]	538	0.1%
Drowning [-7,7]	97	0.0%
Drug-induced interstitial lung disorders [-7,7]	690	0.1%
Hypersensitivity pneumonitis [-7,7]	511	0.1%
Interstitial lung diseases [-7,7]	15,426	2.7%
Idiopathic pulmonary fibrosis [-7,7]	2,905	0.5%
Influenza [-7,7]	13,028	2.3%
Non-specific interstitial pneumonitis [-7,7]	152	0.0%
Other lung disorders [-7,7]	281,398	48.7%
Pancreatitis [-7,7]	9,320	1.6%

Table 3f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	1,699	0.3%
Pneumonia [-7,7]	253,980	43.9%
Pulmonary contusion [-7,7]	3,351	0.6%
Pulmonary embolism [-7,7]	25,114	4.3%
Radiation-associated pulmonary manifestations [-7,7]	876	0.2%
Sarcoidosis [-7,7]	2,561	0.4%
Sepsis [-7,7]	202,118	35.0%
Sickle-cell disease with acute chest syndrome [-7,7]	204	0.0%
Shock [-7,7]	131,504	22.8%
Transfusion [-7,7]	62,022	10.7%
Trauma [-7,7]	42,662	7.4%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	305	0.1%
Anaphylaxis [-183,-1]	505	0.1%
Angioedema [-183,-1]	1,007	0.2%
Aspiration of gastric contents [-183,-1]	25,498	4.4%
Asthma [-183,-1]	28,703	5.0%
Asthma exacerbation [-183,-1]	9,001	1.6%
Bronchiectasis [-183,-1]	4,745	0.8%
Cardiogenic risk factors [-183,-1]	155,651	26.9%
Covid-19 [-183,-1]	4,889	0.8%
Connective tissue rheumatic lung disease [-183,-1]	329	0.1%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	118,372	20.5%
COPD exacerbation [-183,-1]	82,955	14.4%
Congestive heart failure (CHF) [-183,-1]	170,080	29.4%
Cryptogenic organizing pneumonia (COP) [-183,-1]	209	0.0%
Cystic fibrosis [-183,-1]	418	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	332	0.1%
Hypersensitivity pneumonitis [-183,-1]	253	0.0%
Interstitial lung diseases [-183,-1]	8,330	1.4%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	1,593	0.3%
Influenza [-183,-1]	7,227	1.3%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	58	0.0%
Other lung disorders [-183,-1]	121,171	21.0%
Pancreatitis [-183,-1]	6,942	1.2%
Pneumoconioses [-183,-1]	981	0.2%
Pneumonia [-183,-1]	109,418	18.9%
Pulmonary contusion [-183,-1]	603	0.1%
Pulmonary embolism [-183,-1]	11,056	1.9%
Radiation-associated pulmonary manifestations [-183,-1]	563	0.1%
Sarcoidosis [-183,-1]	1,853	0.3%
Sepsis [-183,-1]	74,167	12.8%
Sickle-cell disease with acute chest syndrome [-183,-1]	133	0.0%
Shock [-183,-1]	28,597	4.9%

Table 3f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	38,949	6.7%
Trauma [-183,-1]	35,536	6.1%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	250,736	43.4%
Acute on chronic respiratory failure [-1,0]	91,525	15.8%
Unspecified respiratory failure [-1,0]	577,924	100.0%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	577,924	100.0%
Post-procedural respiratory failure [-1,0]	15,040	2.6%
Acute respiratory distress syndrome [-1,0]	23,165	4.0%
Intubation [-1,0]	192,032	33.2%
Mechanical ventilation [-1,0]	208,757	36.1%
High-flow nasal cannula [-1,0]	127	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	2,679	0.5%
Continuous positive airway pressure (CPAP) [-1,0]	78,784	13.6%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	290,754	50.3%
Mechanical ventilation and intubation [-1,0]	169,353	29.3%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	31,087	5.4%
Acute on chronic respiratory failure in ED [-1,0]	5,237	0.9%
Unspecified respiratory failure in ED [-1,0]	82,491	14.3%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	112,175	19.4%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	4,191	0.7%
Acute on chronic respiratory failure [-1,-1]	906	0.2%
Unspecified respiratory failure [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	4,850	0.8%
Post-procedural respiratory failure [-1,-1]	43	0.0%
Acute respiratory distress syndrome [-1,-1]	257	0.0%
Intubation [-1,-1]	3,867	0.7%
Mechanical ventilation [-1,-1]	1,694	0.3%
High-flow nasal cannula [-1,-1]	*****	*****
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	18	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	944	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	4,940	0.9%
Mechanical ventilation and intubation [-1,-1]	1,388	0.2%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	2,815	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	531	0.1%
Unspecified respiratory failure in ED [-1,-1]	0	0.0%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	3,297	0.6%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.2	3.7

Table 3f. Aggregated Baseline Table for Patients with Unspecified Respiratory Failure in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	18.8	21.5
Mean number of emergency room encounters	1.7	2.6
Mean number of inpatient hospital encounters	1.9	1.6
Mean number of non-acute institutional encounters	0.3	1
Mean number of other ambulatory encounters	13.2	19.4
Mean number of unique drug classes	10.1	6
Mean number of generics	10.9	6.7
Mean number of filled prescriptions	28.7	25.2

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	2,629,819	
Number of unique patients	2,087,411	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.6	13.4
Age (Years)	Number	Percent
0-17	9,346	0.4%
18-39	71,156	2.7%
40-64	639,079	24.3%
65+	1,910,238	72.6%
Sex		
Female	1,046,448	50.1%
Male	1,040,963	49.9%
Race		
Unknown	244,700	11.7%
American Indian or Alaska Native	13,365	0.6%
Asian	38,903	1.9%
Black or African American	290,963	13.9%
Native Hawaiian or Other Pacific Islander	3,927	0.2%
White	1,495,553	71.6%
Ethnicity		
Hispanic Origin	51,284	2.5%
Year		
2016	407,599	15.5%
2017	582,908	22.2%
2018	592,172	22.5%
2019	612,702	23.3%
2020	433,289	16.5%
2021	1,149	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	2,174	0.1%
Anaphylaxis [0,0]	6,587	0.3%
Angioedema [0,0]	11,141	0.4%
Aspiration of gastric contents [0,0]	368,752	14.0%
Asthma [0,0]	135,125	5.1%
Asthma exacerbation [0,0]	49,686	1.9%
Bronchiectasis [0,0]	21,173	0.8%
Cardiogenic risk factors [0,0]	1,245,818	47.4%
Covid-19 [0,0]	53,909	2.0%
Connective tissue rheumatic lung disease [0,0]	1,460	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	544,325	20.7%
COPD exacerbation [0,0]	632,971	24.1%
Congestive heart failure (CHF) [0,0]	1,318,532	50.1%
Cryptogenic organizing pneumonia [0,0]	1,336	0.1%
Cystic fibrosis [0,0]	1,727	0.1%

Table 3g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	347	0.0%
Drug-induced interstitial lung disorders [0,0]	2,322	0.1%
Hypersensitivity pneumonitis [0,0]	1,519	0.1%
Interstitial lung diseases [0,0]	36,340	1.4%
Idiopathic pulmonary fibrosis [0,0]	9,611	0.4%
Influenza [0,0]	49,341	1.9%
Non-specific interstitial pneumonitis [0,0]	250	0.0%
Other lung disorders [0,0]	728,832	27.7%
Pancreatitis [0,0]	35,265	1.3%
Pneumoconioses [0,0]	6,122	0.2%
Pneumonia [0,0]	860,339	32.7%
Pulmonary contusion [0,0]	9,699	0.4%
Pulmonary embolism [0,0]	66,788	2.5%
Radiation-associated pulmonary manifestations [0,0]	2,706	0.1%
Sarcoidosis [0,0]	12,026	0.5%
Sepsis [0,0]	864,987	32.9%
Sickle-cell disease with acute chest syndrome [0,0]	560	0.0%
Shock [0,0]	635,394	24.2%
Transfusion [0,0]	321,949	12.2%
Trauma [0,0]	159,468	6.1%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	2,280	0.1%
Anaphylaxis [-7,7]	6,790	0.3%
Angioedema [-7,7]	11,455	0.4%
Aspiration of gastric contents [-7,7]	378,127	14.4%
Asthma [-7,7]	147,418	5.6%
Asthma exacerbation [-7,7]	51,977	2.0%
Bronchiectasis [-7,7]	22,253	0.8%
Cardiogenic risk factors [-7,7]	1,273,206	48.4%
Covid-19 [-7,7]	54,475	2.1%
Connective tissue rheumatic lung disease [-7,7]	1,565	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	588,739	22.4%
COPD exacerbation [-7,7]	651,951	24.8%
Congestive heart failure (CHF) [-7,7]	1,345,804	51.2%
Cryptogenic organizing pneumonia [-7,7]	1,402	0.1%
Cystic fibrosis [-7,7]	1,766	0.1%
Drowning [-7,7]	351	0.0%
Drug-induced interstitial lung disorders [-7,7]	2,455	0.1%
Hypersensitivity pneumonitis [-7,7]	1,614	0.1%
Interstitial lung diseases [-7,7]	38,548	1.5%
Idiopathic pulmonary fibrosis [-7,7]	10,039	0.4%
Influenza [-7,7]	51,369	2.0%
Non-specific interstitial pneumonitis [-7,7]	269	0.0%
Other lung disorders [-7,7]	760,740	28.9%
Pancreatitis [-7,7]	37,148	1.4%

Table 3g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	6,512	0.2%
Pneumonia [-7,7]	888,218	33.8%
Pulmonary contusion [-7,7]	9,959	0.4%
Pulmonary embolism [-7,7]	69,937	2.7%
Radiation-associated pulmonary manifestations [-7,7]	2,850	0.1%
Sarcoidosis [-7,7]	12,387	0.5%
Sepsis [-7,7]	885,102	33.7%
Sickle-cell disease with acute chest syndrome [-7,7]	587	0.0%
Shock [-7,7]	650,065	24.7%
Transfusion [-7,7]	337,319	12.8%
Trauma [-7,7]	174,271	6.6%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	1,718	0.1%
Anaphylaxis [-183,-1]	2,118	0.1%
Angioedema [-183,-1]	4,859	0.2%
Aspiration of gastric contents [-183,-1]	106,825	4.1%
Asthma [-183,-1]	158,903	6.0%
Asthma exacerbation [-183,-1]	44,768	1.7%
Bronchiectasis [-183,-1]	17,058	0.6%
Cardiogenic risk factors [-183,-1]	760,609	28.9%
Covid-19 [-183,-1]	14,694	0.6%
Connective tissue rheumatic lung disease [-183,-1]	1,218	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	555,944	21.1%
COPD exacerbation [-183,-1]	417,122	15.9%
Congestive heart failure (CHF) [-183,-1]	801,157	30.5%
Cryptogenic organizing pneumonia (COP) [-183,-1]	812	0.0%
Cystic fibrosis [-183,-1]	1,502	0.1%
Drowning [-183,-1]	13	0.0%
Drug-induced interstitial lung disorders [-183,-1]	1,270	0.0%
Hypersensitivity pneumonitis [-183,-1]	978	0.0%
Interstitial lung diseases [-183,-1]	26,176	1.0%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	6,105	0.2%
Influenza [-183,-1]	32,108	1.2%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	144	0.0%
Other lung disorders [-183,-1]	377,687	14.4%
Pancreatitis [-183,-1]	29,440	1.1%
Pneumoconioses [-183,-1]	4,215	0.2%
Pneumonia [-183,-1]	430,734	16.4%
Pulmonary contusion [-183,-1]	1,837	0.1%
Pulmonary embolism [-183,-1]	35,858	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	2,106	0.1%
Sarcoidosis [-183,-1]	9,650	0.4%
Sepsis [-183,-1]	314,424	12.0%
Sickle-cell disease with acute chest syndrome [-183,-1]	429	0.0%
Shock [-183,-1]	117,035	4.5%

Table 3g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	185,640	7.1%
Trauma [-183,-1]	187,403	7.1%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	1,398,602	53.2%
Acute on chronic respiratory failure [-1,0]	595,978	22.7%
Unspecified respiratory failure [-1,0]	263,398	10.0%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,967,412	74.8%
Post-procedural respiratory failure [-1,0]	62,169	2.4%
Acute respiratory distress syndrome [-1,0]	59,460	2.3%
Intubation [-1,0]	1,157,605	44.0%
Mechanical ventilation [-1,0]	1,472,481	56.0%
High-flow nasal cannula [-1,0]	632	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	11,096	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	1,287,021	48.9%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	2,629,819	100.0%
Mechanical ventilation and intubation [-1,0]	1,148,590	43.7%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	95,771	3.6%
Acute on chronic respiratory failure in ED [-1,0]	24,712	0.9%
Unspecified respiratory failure in ED [-1,0]	35,649	1.4%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	151,181	5.7%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	11,090	0.4%
Acute on chronic respiratory failure [-1,-1]	3,308	0.1%
Unspecified respiratory failure [-1,-1]	3,821	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	17,594	0.7%
Post-procedural respiratory failure [-1,-1]	70	0.0%
Acute respiratory distress syndrome [-1,-1]	626	0.0%
Intubation [-1,-1]	14,201	0.5%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	0	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	0	0.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	14,201	0.5%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	8,693	0.3%
Acute on chronic respiratory failure in ED [-1,-1]	2,564	0.1%
Unspecified respiratory failure in ED [-1,-1]	3,354	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	14,155	0.5%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.2	3.6

Table 3g. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation, ECMO, HFNC, or CPAP in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.8	23.3
Mean number of emergency room encounters	1.3	2.3
Mean number of inpatient hospital encounters	1.9	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	17.6	24.3
Mean number of unique drug classes	10.9	5.9
Mean number of generics	11.8	6.7
Mean number of filled prescriptions	33.2	28.4

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	1,172,713	
Number of unique patients	1,075,365	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.8	13.4
Age (Years)	Number	Percent
0-17	3,445	0.3%
18-39	37,707	3.2%
40-64	297,371	25.4%
65+	834,190	71.1%
Sex		
Female	527,036	49.0%
Male	548,329	51.0%
Race		
Unknown	131,531	12.2%
American Indian or Alaska Native	7,469	0.7%
Asian	22,049	2.1%
Black or African American	170,781	15.9%
Native Hawaiian or Other Pacific Islander	1,729	0.2%
White	741,806	69.0%
Ethnicity		
Hispanic Origin	30,159	2.8%
Year		
2016	189,602	16.2%
2017	262,391	22.4%
2018	256,735	21.9%
2019	255,426	21.8%
2020	208,284	17.8%
2021	275	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	776	0.1%
Anaphylaxis [0,0]	4,879	0.4%
Angioedema [0,0]	9,244	0.8%
Aspiration of gastric contents [0,0]	246,303	21.0%
Asthma [0,0]	48,271	4.1%
Asthma exacerbation [0,0]	13,563	1.2%
Bronchiectasis [0,0]	8,206	0.7%
Cardiogenic risk factors [0,0]	510,969	43.6%
Covid-19 [0,0]	38,019	3.2%
Connective tissue rheumatic lung disease [0,0]	664	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	218,398	18.6%
COPD exacerbation [0,0]	224,329	19.1%
Congestive heart failure (CHF) [0,0]	549,077	46.8%
Cryptogenic organizing pneumonia [0,0]	683	0.1%
Cystic fibrosis [0,0]	622	0.1%

Table 3h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	183	0.0%
Drug-induced interstitial lung disorders [0,0]	985	0.1%
Hypersensitivity pneumonitis [0,0]	576	0.0%
Interstitial lung diseases [0,0]	16,061	1.4%
Idiopathic pulmonary fibrosis [0,0]	3,359	0.3%
Influenza [0,0]	22,833	1.9%
Non-specific interstitial pneumonitis [0,0]	114	0.0%
Other lung disorders [0,0]	379,548	32.4%
Pancreatitis [0,0]	22,193	1.9%
Pneumoconioses [0,0]	2,812	0.2%
Pneumonia [0,0]	460,448	39.3%
Pulmonary contusion [0,0]	6,320	0.5%
Pulmonary embolism [0,0]	37,911	3.2%
Radiation-associated pulmonary manifestations [0,0]	1,153	0.1%
Sarcoidosis [0,0]	4,242	0.4%
Sepsis [0,0]	542,147	46.2%
Sickle-cell disease with acute chest syndrome [0,0]	351	0.0%
Shock [0,0]	469,578	40.0%
Transfusion [0,0]	192,508	16.4%
Trauma [0,0]	99,537	8.5%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	813	0.1%
Anaphylaxis [-7,7]	5,001	0.4%
Angioedema [-7,7]	9,414	0.8%
Aspiration of gastric contents [-7,7]	251,609	21.5%
Asthma [-7,7]	53,201	4.5%
Asthma exacerbation [-7,7]	14,271	1.2%
Bronchiectasis [-7,7]	8,670	0.7%
Cardiogenic risk factors [-7,7]	522,673	44.6%
Covid-19 [-7,7]	38,268	3.3%
Connective tissue rheumatic lung disease [-7,7]	718	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	235,692	20.1%
COPD exacerbation [-7,7]	231,262	19.7%
Congestive heart failure (CHF) [-7,7]	560,577	47.8%
Cryptogenic organizing pneumonia [-7,7]	718	0.1%
Cystic fibrosis [-7,7]	637	0.1%
Drowning [-7,7]	187	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,032	0.1%
Hypersensitivity pneumonitis [-7,7]	610	0.1%
Interstitial lung diseases [-7,7]	16,978	1.4%
Idiopathic pulmonary fibrosis [-7,7]	3,525	0.3%
Influenza [-7,7]	23,667	2.0%
Non-specific interstitial pneumonitis [-7,7]	117	0.0%
Other lung disorders [-7,7]	393,401	33.5%
Pancreatitis [-7,7]	23,203	2.0%

Table 3h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	2,977	0.3%
Pneumonia [-7,7]	472,959	40.3%
Pulmonary contusion [-7,7]	6,475	0.6%
Pulmonary embolism [-7,7]	39,408	3.4%
Radiation-associated pulmonary manifestations [-7,7]	1,197	0.1%
Sarcoidosis [-7,7]	4,381	0.4%
Sepsis [-7,7]	551,575	47.0%
Sickle-cell disease with acute chest syndrome [-7,7]	367	0.0%
Shock [-7,7]	477,828	40.7%
Transfusion [-7,7]	200,604	17.1%
Trauma [-7,7]	106,729	9.1%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	611	0.1%
Anaphylaxis [-183,-1]	1,014	0.1%
Angioedema [-183,-1]	2,520	0.2%
Aspiration of gastric contents [-183,-1]	47,980	4.1%
Asthma [-183,-1]	60,644	5.2%
Asthma exacerbation [-183,-1]	13,606	1.2%
Bronchiectasis [-183,-1]	6,176	0.5%
Cardiogenic risk factors [-183,-1]	299,216	25.5%
Covid-19 [-183,-1]	8,165	0.7%
Connective tissue rheumatic lung disease [-183,-1]	535	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	213,938	18.2%
COPD exacerbation [-183,-1]	144,391	12.3%
Congestive heart failure (CHF) [-183,-1]	317,726	27.1%
Cryptogenic organizing pneumonia (COP) [-183,-1]	336	0.0%
Cystic fibrosis [-183,-1]	517	0.0%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	545	0.0%
Hypersensitivity pneumonitis [-183,-1]	354	0.0%
Interstitial lung diseases [-183,-1]	10,140	0.9%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	2,175	0.2%
Influenza [-183,-1]	13,097	1.1%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	71	0.0%
Other lung disorders [-183,-1]	157,427	13.4%
Pancreatitis [-183,-1]	15,825	1.3%
Pneumoconioses [-183,-1]	1,604	0.1%
Pneumonia [-183,-1]	179,481	15.3%
Pulmonary contusion [-183,-1]	832	0.1%
Pulmonary embolism [-183,-1]	16,046	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	831	0.1%
Sarcoidosis [-183,-1]	3,611	0.3%
Sepsis [-183,-1]	145,921	12.4%
Sickle-cell disease with acute chest syndrome [-183,-1]	227	0.0%
Shock [-183,-1]	55,375	4.7%

Table 3h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	87,242	7.4%
Trauma [-183,-1]	87,007	7.4%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	831,467	70.9%
Acute on chronic respiratory failure [-1,0]	218,508	18.6%
Unspecified respiratory failure [-1,0]	170,422	14.5%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,037,723	88.5%
Post-procedural respiratory failure [-1,0]	31,957	2.7%
Acute respiratory distress syndrome [-1,0]	44,890	3.8%
Intubation [-1,0]	1,171,987	99.9%
Mechanical ventilation [-1,0]	1,172,713	100.0%
High-flow nasal cannula [-1,0]	127	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	4,105	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	129,222	11.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,172,713	100.0%
Mechanical ventilation and intubation [-1,0]	1,171,987	99.9%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	50,178	4.3%
Acute on chronic respiratory failure in ED [-1,0]	5,991	0.5%
Unspecified respiratory failure in ED [-1,0]	21,302	1.8%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	74,551	6.4%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	7,257	0.6%
Acute on chronic respiratory failure [-1,-1]	1,271	0.1%
Unspecified respiratory failure [-1,-1]	2,804	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	10,950	0.9%
Post-procedural respiratory failure [-1,-1]	27	0.0%
Acute respiratory distress syndrome [-1,-1]	391	0.0%
Intubation [-1,-1]	15,337	1.3%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	2,815	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	17,137	1.5%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	5,753	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	841	0.1%
Unspecified respiratory failure in ED [-1,-1]	2,524	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	8,843	0.8%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.7

Table 3h. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation and Intubation (-1,1) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.6	24.3
Mean number of emergency room encounters	1.3	2.3
Mean number of inpatient hospital encounters	2	1.5
Mean number of non-acute institutional encounters	0.4	0.9
Mean number of other ambulatory encounters	16.8	22.8
Mean number of unique drug classes	10.3	5.8
Mean number of generics	11.1	6.6
Mean number of filled prescriptions	31.1	27.1

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	1,302,804	
Number of unique patients	1,016,677	
Demographics	Mean	Standard Deviation
Mean Age (Years)	71.7	12.8
Age (Years)	Number	Percent
0-17	3,398	0.3%
18-39	22,846	1.8%
40-64	301,060	23.1%
65+	975,500	74.9%
Sex		
Female	527,948	51.9%
Male	488,729	48.1%
Race		
Unknown	104,182	10.2%
American Indian or Alaska Native	5,137	0.5%
Asian	17,024	1.7%
Black or African American	131,109	12.9%
Native Hawaiian or Other Pacific Islander	2,215	0.2%
White	757,010	74.5%
Ethnicity		
Hispanic Origin	21,751	2.1%
Year		
2016	182,626	14.0%
2017	279,279	21.4%
2018	302,120	23.2%
2019	329,088	25.3%
2020	208,873	16.0%
2021	818	0.1%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	1,395	0.1%
Anaphylaxis [0,0]	1,287	0.1%
Angioedema [0,0]	1,375	0.1%
Aspiration of gastric contents [0,0]	106,188	8.2%
Asthma [0,0]	80,389	6.2%
Asthma exacerbation [0,0]	36,559	2.8%
Bronchiectasis [0,0]	12,447	1.0%
Cardiogenic risk factors [0,0]	710,453	54.5%
Covid-19 [0,0]	18,364	1.4%
Connective tissue rheumatic lung disease [0,0]	767	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	298,522	22.9%
COPD exacerbation [0,0]	423,340	32.5%
Congestive heart failure (CHF) [0,0]	738,109	56.7%
Cryptogenic organizing pneumonia [0,0]	743	0.1%
Cystic fibrosis [0,0]	950	0.1%

Table 3i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	52	0.0%
Drug-induced interstitial lung disorders [0,0]	1,493	0.1%
Hypersensitivity pneumonitis [0,0]	967	0.1%
Interstitial lung diseases [0,0]	20,541	1.6%
Idiopathic pulmonary fibrosis [0,0]	6,042	0.5%
Influenza [0,0]	28,305	2.2%
Non-specific interstitial pneumonitis [0,0]	140	0.0%
Other lung disorders [0,0]	309,680	23.8%
Pancreatitis [0,0]	11,298	0.9%
Pneumoconioses [0,0]	2,995	0.2%
Pneumonia [0,0]	386,246	29.6%
Pulmonary contusion [0,0]	1,513	0.1%
Pulmonary embolism [0,0]	26,556	2.0%
Radiation-associated pulmonary manifestations [0,0]	1,664	0.1%
Sarcoidosis [0,0]	7,562	0.6%
Sepsis [0,0]	286,422	22.0%
Sickle-cell disease with acute chest syndrome [0,0]	226	0.0%
Shock [0,0]	128,747	9.9%
Transfusion [0,0]	107,328	8.2%
Trauma [0,0]	40,738	3.1%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	1,454	0.1%
Anaphylaxis [-7,7]	1,374	0.1%
Angioedema [-7,7]	1,523	0.1%
Aspiration of gastric contents [-7,7]	109,822	8.4%
Asthma [-7,7]	87,478	6.7%
Asthma exacerbation [-7,7]	38,172	2.9%
Bronchiectasis [-7,7]	13,077	1.0%
Cardiogenic risk factors [-7,7]	724,866	55.6%
Covid-19 [-7,7]	18,684	1.4%
Connective tissue rheumatic lung disease [-7,7]	818	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	325,808	25.0%
COPD exacerbation [-7,7]	435,429	33.4%
Congestive heart failure (CHF) [-7,7]	752,529	57.8%
Cryptogenic organizing pneumonia [-7,7]	780	0.1%
Cystic fibrosis [-7,7]	971	0.1%
Drowning [-7,7]	52	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,581	0.1%
Hypersensitivity pneumonitis [-7,7]	1,038	0.1%
Interstitial lung diseases [-7,7]	21,852	1.7%
Idiopathic pulmonary fibrosis [-7,7]	6,319	0.5%
Influenza [-7,7]	29,541	2.3%
Non-specific interstitial pneumonitis [-7,7]	155	0.0%
Other lung disorders [-7,7]	326,811	25.1%
Pancreatitis [-7,7]	12,079	0.9%

Table 3i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	3,222	0.2%
Pneumonia [-7,7]	400,955	30.8%
Pulmonary contusion [-7,7]	1,582	0.1%
Pulmonary embolism [-7,7]	28,104	2.2%
Radiation-associated pulmonary manifestations [-7,7]	1,757	0.1%
Sarcoidosis [-7,7]	7,773	0.6%
Sepsis [-7,7]	296,655	22.8%
Sickle-cell disease with acute chest syndrome [-7,7]	235	0.0%
Shock [-7,7]	135,018	10.4%
Transfusion [-7,7]	113,951	8.7%
Trauma [-7,7]	47,587	3.7%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	1,079	0.1%
Anaphylaxis [-183,-1]	1,056	0.1%
Angioedema [-183,-1]	2,167	0.2%
Aspiration of gastric contents [-183,-1]	45,088	3.5%
Asthma [-183,-1]	93,140	7.1%
Asthma exacerbation [-183,-1]	31,306	2.4%
Bronchiectasis [-183,-1]	10,071	0.8%
Cardiogenic risk factors [-183,-1]	441,443	33.9%
Covid-19 [-183,-1]	6,452	0.5%
Connective tissue rheumatic lung disease [-183,-1]	641	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	328,524	25.2%
COPD exacerbation [-183,-1]	274,894	21.1%
Congestive heart failure (CHF) [-183,-1]	460,607	35.4%
Cryptogenic organizing pneumonia (COP) [-183,-1]	520	0.0%
Cystic fibrosis [-183,-1]	869	0.1%
Drowning [-183,-1]	*****	*****
Drug-induced interstitial lung disorders [-183,-1]	795	0.1%
Hypersensitivity pneumonitis [-183,-1]	652	0.1%
Interstitial lung diseases [-183,-1]	15,711	1.2%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	3,910	0.3%
Influenza [-183,-1]	18,422	1.4%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	74	0.0%
Other lung disorders [-183,-1]	195,610	15.0%
Pancreatitis [-183,-1]	11,686	0.9%
Pneumoconioses [-183,-1]	2,629	0.2%
Pneumonia [-183,-1]	228,554	17.5%
Pulmonary contusion [-183,-1]	730	0.1%
Pulmonary embolism [-183,-1]	18,131	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	1,301	0.1%
Sarcoidosis [-183,-1]	5,870	0.5%
Sepsis [-183,-1]	139,205	10.7%
Sickle-cell disease with acute chest syndrome [-183,-1]	183	0.0%
Shock [-183,-1]	45,261	3.5%

Table 3i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	81,848	6.3%
Trauma [-183,-1]	88,614	6.8%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	514,273	39.5%
Acute on chronic respiratory failure [-1,0]	368,819	28.3%
Unspecified respiratory failure [-1,0]	77,144	5.9%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	853,703	65.5%
Post-procedural respiratory failure [-1,0]	10,941	0.8%
Acute respiratory distress syndrome [-1,0]	15,999	1.2%
Intubation [-1,0]	131,942	10.1%
Mechanical ventilation [-1,0]	139,641	10.7%
High-flow nasal cannula [-1,0]	236	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	770	0.1%
Continuous positive airway pressure (CPAP) [-1,0]	1,302,804	100.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,302,804	100.0%
Mechanical ventilation and intubation [-1,0]	123,481	9.5%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	45,726	3.5%
Acute on chronic respiratory failure in ED [-1,0]	18,557	1.4%
Unspecified respiratory failure in ED [-1,0]	14,139	1.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	76,275	5.9%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	4,651	0.4%
Acute on chronic respiratory failure [-1,-1]	2,235	0.2%
Unspecified respiratory failure [-1,-1]	1,171	0.1%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	7,758	0.6%
Post-procedural respiratory failure [-1,-1]	19	0.0%
Acute respiratory distress syndrome [-1,-1]	250	0.0%
Intubation [-1,-1]	1,342	0.1%
Mechanical ventilation [-1,-1]	997	0.1%
High-flow nasal cannula [-1,-1]	*****	*****
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	*****	*****
Continuous positive airway pressure (CPAP) [-1,-1]	0	0.0%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	1,721	0.1%
Mechanical ventilation and intubation [-1,-1]	620	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	3,506	0.3%
Acute on chronic respiratory failure in ED [-1,-1]	1,791	0.1%
Unspecified respiratory failure in ED [-1,-1]	985	0.1%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	6,079	0.5%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.1	3.6

Table 3i. Aggregated Baseline Table for Patients Who Received Continuous Positive Airway Pressure (CPAP) in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	21.2	22.4
Mean number of emergency room encounters	1.4	2.4
Mean number of inpatient hospital encounters	1.9	1.5
Mean number of non-acute institutional encounters	0.3	0.9
Mean number of other ambulatory encounters	16.8	21.4
Mean number of unique drug classes	11.7	5.9
Mean number of generics	12.7	6.7
Mean number of filled prescriptions	35.5	28.7

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Characteristic¹	Number	
Number of episodes	1,501,879	
Number of unique patients	1,317,592	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.6	13.7
Age (Years)	Number	Percent
0-17	6,149	0.4%
18-39	51,475	3.4%
40-64	382,940	25.5%
65+	1,061,315	70.7%
Sex		
Female	644,853	48.9%
Male	672,739	51.1%
Race		
Unknown	162,341	12.3%
American Indian or Alaska Native	9,776	0.7%
Asian	26,616	2.0%
Black or African American	200,700	15.2%
Native Hawaiian or Other Pacific Islander	2,126	0.2%
White	916,033	69.5%
Ethnicity		
Hispanic Origin	35,792	2.7%
Year		
2016	249,566	16.6%
2017	341,522	22.7%
2018	329,417	21.9%
2019	325,953	21.7%
2020	255,063	17.0%
2021	358	0.0%
Baseline Characteristics On Index Date [0,0]	Number	Percent
Alpha-1-antitrypsin deficiency [0,0]	999	0.1%
Anaphylaxis [0,0]	5,687	0.4%
Angioedema [0,0]	10,249	0.7%
Aspiration of gastric contents [0,0]	296,248	19.7%
Asthma [0,0]	62,725	4.2%
Asthma exacerbation [0,0]	16,621	1.1%
Bronchiectasis [0,0]	10,610	0.7%
Cardiogenic risk factors [0,0]	638,189	42.5%
Covid-19 [0,0]	41,048	2.7%
Connective tissue rheumatic lung disease [0,0]	838	0.1%
Chronic obstructive pulmonary disorder (COPD) [0,0]	286,614	19.1%
COPD exacerbation [0,0]	273,943	18.2%
Congestive heart failure (CHF) [0,0]	687,453	45.8%
Cryptogenic organizing pneumonia [0,0]	801	0.1%
Cystic fibrosis [0,0]	881	0.1%

Table 3j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Drowning [0,0]	303	0.0%
Drug-induced interstitial lung disorders [0,0]	1,115	0.1%
Hypersensitivity pneumonitis [0,0]	698	0.0%
Interstitial lung diseases [0,0]	19,401	1.3%
Idiopathic pulmonary fibrosis [0,0]	4,254	0.3%
Influenza [0,0]	26,266	1.7%
Non-specific interstitial pneumonitis [0,0]	134	0.0%
Other lung disorders [0,0]	484,025	32.2%
Pancreatitis [0,0]	26,561	1.8%
Pneumoconioses [0,0]	3,618	0.2%
Pneumonia [0,0]	562,397	37.4%
Pulmonary contusion [0,0]	8,658	0.6%
Pulmonary embolism [0,0]	45,860	3.1%
Radiation-associated pulmonary manifestations [0,0]	1,357	0.1%
Sarcoidosis [0,0]	5,390	0.4%
Sepsis [0,0]	662,118	44.1%
Sickle-cell disease with acute chest syndrome [0,0]	384	0.0%
Shock [0,0]	570,246	38.0%
Transfusion [0,0]	247,623	16.5%
Trauma [0,0]	127,939	8.5%
Baseline Characteristics in the Seven Days Before and After Index Date [-7,7]	Number	Percent
Alpha-1-antitrypsin deficiency [-7,7]	1,054	0.1%
Anaphylaxis [-7,7]	5,827	0.4%
Angioedema [-7,7]	10,444	0.7%
Aspiration of gastric contents [-7,7]	302,865	20.2%
Asthma [-7,7]	69,034	4.6%
Asthma exacerbation [-7,7]	17,544	1.2%
Bronchiectasis [-7,7]	11,194	0.7%
Cardiogenic risk factors [-7,7]	653,352	43.5%
Covid-19 [-7,7]	41,340	2.8%
Connective tissue rheumatic lung disease [-7,7]	907	0.1%
Chronic obstructive pulmonary disorder (COPD) [-7,7]	308,650	20.6%
COPD exacerbation [-7,7]	283,096	18.8%
Congestive heart failure (CHF) [-7,7]	702,395	46.8%
Cryptogenic organizing pneumonia [-7,7]	844	0.1%
Cystic fibrosis [-7,7]	903	0.1%
Drowning [-7,7]	307	0.0%
Drug-induced interstitial lung disorders [-7,7]	1,174	0.1%
Hypersensitivity pneumonitis [-7,7]	741	0.0%
Interstitial lung diseases [-7,7]	20,548	1.4%
Idiopathic pulmonary fibrosis [-7,7]	4,451	0.3%
Influenza [-7,7]	27,249	1.8%
Non-specific interstitial pneumonitis [-7,7]	138	0.0%
Other lung disorders [-7,7]	501,720	33.4%
Pancreatitis [-7,7]	27,811	1.9%

Table 3j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Pneumoconioses [-7,7]	3,835	0.3%
Pneumonia [-7,7]	578,455	38.5%
Pulmonary contusion [-7,7]	8,867	0.6%
Pulmonary embolism [-7,7]	47,747	3.2%
Radiation-associated pulmonary manifestations [-7,7]	1,420	0.1%
Sarcoidosis [-7,7]	5,581	0.4%
Sepsis [-7,7]	674,081	44.9%
Sickle-cell disease with acute chest syndrome [-7,7]	402	0.0%
Shock [-7,7]	580,183	38.6%
Transfusion [-7,7]	257,823	17.2%
Trauma [-7,7]	136,925	9.1%
Recorded History in the 183 Days Prior to Index Date [-183,-1]	Number	Percent
Alpha-1-antitrypsin deficiency [-183,-1]	827	0.1%
Anaphylaxis [-183,-1]	1,293	0.1%
Angioedema [-183,-1]	3,150	0.2%
Aspiration of gastric contents [-183,-1]	73,520	4.9%
Asthma [-183,-1]	78,713	5.2%
Asthma exacerbation [-183,-1]	17,673	1.2%
Bronchiectasis [-183,-1]	8,668	0.6%
Cardiogenic risk factors [-183,-1]	388,960	25.9%
Covid-19 [-183,-1]	9,841	0.7%
Connective tissue rheumatic lung disease [-183,-1]	707	0.0%
Chronic obstructive pulmonary disorder (COPD) [-183,-1]	279,197	18.6%
COPD exacerbation [-183,-1]	189,880	12.6%
Congestive heart failure (CHF) [-183,-1]	412,987	27.5%
Cryptogenic organizing pneumonia (COP) [-183,-1]	413	0.0%
Cystic fibrosis [-183,-1]	750	0.0%
Drowning [-183,-1]	12	0.0%
Drug-induced interstitial lung disorders [-183,-1]	636	0.0%
Hypersensitivity pneumonitis [-183,-1]	444	0.0%
Interstitial lung diseases [-183,-1]	13,214	0.9%
Idiopathic pulmonary fibrosis (IPF) [-183,-1]	2,780	0.2%
Influenza [-183,-1]	16,903	1.1%
Non-specific interstitial pneumonitis (NSIP) [-183,-1]	82	0.0%
Other lung disorders [-183,-1]	219,565	14.6%
Pancreatitis [-183,-1]	19,949	1.3%
Pneumoconioses [-183,-1]	2,066	0.1%
Pneumonia [-183,-1]	249,355	16.6%
Pulmonary contusion [-183,-1]	1,260	0.1%
Pulmonary embolism [-183,-1]	21,155	1.4%
Radiation-associated pulmonary manifestations [-183,-1]	1,053	0.1%
Sarcoidosis [-183,-1]	4,687	0.3%
Sepsis [-183,-1]	207,379	13.8%
Sickle-cell disease with acute chest syndrome [-183,-1]	270	0.0%
Shock [-183,-1]	85,816	5.7%

Table 3j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Transfusion [-183,-1]	121,165	8.1%
Trauma [-183,-1]	112,377	7.5%
Respiratory Failure Characteristics One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure [-1,0]	993,268	66.1%
Acute on chronic respiratory failure [-1,0]	294,418	19.6%
Unspecified respiratory failure [-1,0]	208,012	13.9%
Acute or acute on chronic or unspecified respiratory failure [-1,0]	1,277,305	85.0%
Post-procedural respiratory failure [-1,0]	54,804	3.6%
Acute respiratory distress syndrome [-1,0]	50,978	3.4%
Intubation [-1,0]	1,171,987	78.0%
Mechanical ventilation [-1,0]	1,501,879	100.0%
High-flow nasal cannula [-1,0]	140	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,0]	6,196	0.4%
Continuous positive airway pressure (CPAP) [-1,0]	145,324	9.7%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,0]	1,501,879	100.0%
Mechanical ventilation and intubation [-1,0]	1,171,987	78.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to and Including Index Date [-1,0]	Number	Percent
Acute respiratory failure in ED [-1,0]	59,768	4.0%
Acute on chronic respiratory failure in ED [-1,0]	8,777	0.6%
Unspecified respiratory failure in ED [-1,0]	25,556	1.7%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,0]	90,674	6.0%
Respiratory Failure Characteristics One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure [-1,-1]	8,949	0.6%
Acute on chronic respiratory failure [-1,-1]	1,857	0.1%
Unspecified respiratory failure [-1,-1]	3,470	0.2%
Acute or acute on chronic or unspecified respiratory failure [-1,-1]	13,788	0.9%
Post-procedural respiratory failure [-1,-1]	65	0.0%
Acute respiratory distress syndrome [-1,-1]	487	0.0%
Intubation [-1,-1]	15,337	1.0%
Mechanical ventilation [-1,-1]	0	0.0%
High-flow nasal cannula [-1,-1]	0	0.0%
Extracorporeal membrane oxygenation (ECMO) [-1,-1]	38	0.0%
Continuous positive airway pressure (CPAP) [-1,-1]	3,517	0.2%
Mechanical ventilation or intubation or HFNC or CPAP or ECMO [-1,-1]	17,870	1.2%
Mechanical ventilation and intubation [-1,-1]	0	0.0%
Respiratory Failure in the Emergency Department (ED) One Day Prior to Index Date [-1,-1]	Number	Percent
Acute respiratory failure in ED [-1,-1]	6,821	0.5%
Acute on chronic respiratory failure in ED [-1,-1]	1,241	0.1%
Unspecified respiratory failure in ED [-1,-1]	3,052	0.2%
Acute or acute on chronic or unspecified respiratory failure in ED [-1,-1]	10,770	0.7%
Health Characteristics in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	7.5	3.7

Table 3j. Aggregated Baseline Table for Patients Who Received Mechanical Ventilation in the Sentinel Distributed Database (SDD) Between April 1, 2016 and April 30, 2021

Health Services Utilization Intensity in the 183 Days Prior to and Including Index Date [-183,0]	Mean	Standard Deviation
Mean number of ambulatory encounters	20.4	24
Mean number of emergency room encounters	1.3	2.2
Mean number of inpatient hospital encounters	2	1.5
Mean number of non-acute institutional encounters	0.4	1
Mean number of other ambulatory encounters	18.8	26.5
Mean number of unique drug classes	10.3	5.9
Mean number of generics	11.2	6.7
Mean number of filled prescriptions	31.5	28.1

¹All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 4. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

	New Users	New Episodes	Adjusted Dispensings	Eligible Members¹	New Users per 10,000 Eligible Members
Respiratory Failure During an Inpatient Encounter	1,452,685	1,732,565	1,742,197	82,791,126	175.5
Respiratory Failure During an Inpatient Encounter with Intubation and Mechanical Ventilation	858,177	927,989	934,375	82,795,096	103.7
Acute, Acute on Chronic, or Unspecified Respiratory Failure	3,168,236	4,398,985	14,652,168	82,796,053	382.7
Acute Respiratory Failure	2,496,591	3,029,783	9,347,948	82,798,301	301.5
Acute on Chronic Respiratory Failure	950,896	1,443,311	4,524,182	82,800,150	114.8
Unspecified Respiratory Failure	442,668	479,380	1,341,888	82,801,191	53.5
Mechanical Ventilation, Extracorporeal Membrane Oxygenation (ECMO), High Flow Nasal Cannula (HFNC), or Continuous Positive Airway Pressure (CPAP)	1,760,319	2,195,381	4,823,860	82,798,801	212.6
Mechanical Ventilation and Intubation (-1,1)	887,434	964,154	2,051,780	1,011,125	8,776.7
Continuous Positive Airway Pressure (CPAP)	864,173	1,093,113	2,224,454	82,800,953	104.4
Mechanical Ventilation Only	1,097,672	1,246,458	2,636,406	82,799,729	132.6

¹Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 5. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between January 1, 2020 and April 30, 2021

	New Users	New Episodes	Adjusted Dispensings	Eligible Members¹	New Users per 10,000 Eligible Members
Respiratory Failure During an Inpatient Encounter	327,966	347,047	348,660	53,032,148	61.8
Respiratory Failure During an Inpatient Encounter with Intubation and Mechanical Ventilation	194,699	199,034	200,136	53,035,347	36.7
Acute, Acute on Chronic, or Unspecified Respiratory Failure	847,979	951,077	3,430,120	53,037,241	159.9
Acute Respiratory Failure	670,221	718,979	2,378,460	53,038,723	126.4
Acute on Chronic Respiratory Failure	224,221	263,967	896,058	53,039,363	42.3
Unspecified Respiratory Failure	95,263	98,544	278,402	53,040,157	18.0
Mechanical Ventilation, Extracorporeal Membrane Oxygenation (ECMO), High Flow Nasal Cannula (HFNC), or Continuous Positive Airway Pressure (CPAP)	400,630	434,438	964,864	53,039,197	75.5
Mechanical Ventilation and Intubation (-1,1)	202,885	208,559	443,562	230,904	8,786.6
Continuous Positive Airway Pressure (CPAP)	192,463	209,691	426,786	53,039,974	36.3
Mechanical Ventilation Only	243,489	255,421	540,814	53,039,738	45.9

¹Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 6. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between April 1, 2016 and April 30, 2021

	New Users	New Episodes	Adjusted Dispensings	Eligible Members¹	New Users per 10,000 Eligible Members
Respiratory Failure During an Inpatient Encounter	1,730,293	2,079,612	2,090,857	90,206,484	191.8
Respiratory Failure During an Inpatient Encounter with Intubation and Mechanical Ventilation	1,038,396	1,127,023	1,134,511	90,210,667	115.1
Acute, Acute on Chronic, or Unspecified Respiratory Failure	3,802,112	5,350,062	18,082,288	90,212,226	421.5
Acute Respiratory Failure	3,052,030	3,748,762	11,726,408	90,214,442	338.3
Acute on Chronic Respiratory Failure	1,102,743	1,707,278	5,420,240	90,216,422	122.2
Unspecified Respiratory Failure	532,018	577,924	1,620,290	90,217,383	59.0
Mechanical Ventilation, Extracorporeal Membrane Oxygenation (ECMO), High Flow Nasal Cannula (HFNC), or Continuous Positive Airway Pressure (CPAP)	2,087,411	2,629,819	5,788,724	90,214,936	231.4
Mechanical Ventilation and Intubation (-1,1)	1,075,365	1,172,713	2,495,342	1,224,604	8,781.3
Continuous Positive Airway Pressure (CPAP)	1,016,677	1,302,804	2,651,240	90,217,218	112.7
Mechanical Ventilation Only	1,317,592	1,501,879	3,177,220	90,215,824	146.0

¹Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 7. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group

Age Group	New Users	New Episodes	Adjusted Dispensings	Eligible Members ¹	New Users per 10,000 Eligible Members
Respiratory Failure During an Inpatient Encounter					
0-17 years	5,373	6,158	6,388	9,891,499	5.4
18-39 years	37,411	45,620	45,938	19,324,693	19.4
40-64 years	325,013	411,807	414,144	24,128,452	134.7
65+ years	1,089,576	1,268,980	1,275,727	33,761,492	322.7
Respiratory Failure During an Inpatient Encounter with Intubation and Mechanical Ventilation					
0-17 years	2,490	2,613	2,677	9,891,540	2.5
18-39 years	26,575	29,679	29,921	19,324,794	13.8
40-64 years	213,855	240,572	242,212	24,129,327	88.6
65+ years	616,770	655,125	659,565	33,764,757	182.7
Acute, Acute on Chronic, or Unspecified Respiratory Failure					
0-17 years	13,314	15,614	85,316	9,891,540	13.5
18-39 years	64,127	87,121	328,072	19,324,828	33.2
40-64 years	599,593	889,058	3,338,772	24,129,602	248.5
65+ years	2,505,969	3,407,192	10,900,008	33,765,235	742.2
Acute Respiratory Failure					
0-17 years	11,824	13,385	62,996	9,891,546	12.0
18-39 years	55,154	68,443	238,958	19,324,864	28.5
40-64 years	482,390	612,550	2,106,592	24,130,115	199.9
65+ years	1,954,492	2,335,405	6,939,402	33,767,176	578.8
Acute on Chronic Respiratory Failure					
0-17 years	1,227	1,943	10,012	9,891,593	1.2
18-39 years	10,692	17,365	53,702	19,324,942	5.5
40-64 years	183,154	305,348	1,026,010	24,130,664	75.9
65+ years	761,783	1,118,655	3,434,458	33,768,642	225.6
Unspecified Respiratory Failure					
0-17 years	3,794	4,101	13,616	9,891,586	3.8
18-39 years	13,327	14,302	43,540	19,324,944	6.9
40-64 years	103,304	113,854	344,026	24,130,876	42.8
65+ years	322,838	347,123	940,706	33,769,598	95.6
Mechanical Ventilation, Extracorporeal Membrane Oxygenation (ECMO), High Flow Nasal Cannula (HFNC), or Continuous					
0-17 years	6,685	8,146	21,012	9,891,583	6.8
18-39 years	47,310	60,695	136,902	19,324,879	24.5
40-64 years	403,385	539,633	1,199,546	24,130,198	167.2
65+ years	1,309,675	1,586,907	3,466,400	33,767,589	387.8
Mechanical Ventilation and Intubation (-1,1)					
0-17 years	2,839	2,989	6,820	3,524	8,056.2
18-39 years	28,527	31,976	68,642	32,594	8,752.2
40-64 years	219,439	248,383	531,994	246,034	8,919.1
65+ years	638,161	680,806	1,444,324	730,715	8,733.4

Table 7. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group

Age Group	New Users	New Episodes	Adjusted Dispensings	Eligible Members ¹	New Users per 10,000 Eligible Members
Continuous Positive Airway Pressure (CPAP)					
0-17 years	2,509	2,970	6,198	9,891,589	2.5
18-39 years	14,935	19,474	39,556	19,324,944	7.7
40-64 years	186,196	254,829	518,554	24,130,861	77.2
65+ years	663,983	815,840	1,660,146	33,769,340	196.6
Mechanical Ventilation Only					
0-17 years	4,536	5,377	11,972	9,891,591	4.6
18-39 years	36,167	43,843	93,464	19,324,900	18.7
40-64 years	269,633	322,393	686,408	24,130,447	111.7
65+ years	789,805	874,845	1,844,562	33,768,364	233.9

¹Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 8. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between January 1, 2020 and April 30, 2021, by Age Group

Age Group	New Users	New Episodes	Adjusted Dispensings	Eligible Members ¹	New Users per 10,000 Eligible Members
Respiratory Failure During an Inpatient Encounter					
0-17 years	881	930	969	4,923,324	1.8
18-39 years	7,493	8,013	8,069	9,172,337	8.2
40-64 years	71,130	76,939	77,291	13,098,228	54.3
65+ years	248,591	261,165	262,331	26,661,881	93.2
Respiratory Failure During an Inpatient Encounter with Intubation and Mechanical Ventilation					
0-17 years	399	405	415	4,923,340	0.8
18-39 years	5,150	5,343	5,382	9,172,403	5.6
40-64 years	45,372	46,937	47,204	13,098,837	34.6
65+ years	143,808	146,349	147,135	26,664,490	53.9
Acute, Acute on Chronic, or Unspecified Respiratory Failure					
0-17 years	2,222	2,363	13,410	4,923,343	4.5
18-39 years	16,473	18,476	70,540	9,172,428	18.0
40-64 years	158,372	182,600	756,212	13,099,159	120.9
65+ years	671,439	747,638	2,589,958	26,665,891	251.8
Acute Respiratory Failure					
0-17 years	1,988	2,088	10,132	4,923,344	4.0
18-39 years	14,241	15,488	55,314	9,172,453	15.5
40-64 years	126,893	138,558	519,538	13,099,438	96.9
65+ years	527,355	562,845	1,793,476	26,667,166	197.8
Acute on Chronic Respiratory Failure					
0-17 years	240	290	1,604	4,923,355	0.5
18-39 years	2,478	2,990	9,218	9,172,480	2.7
40-64 years	42,731	52,756	195,000	13,099,684	32.6
65+ years	178,975	207,931	690,236	26,667,635	67.1
Unspecified Respiratory Failure					
0-17 years	565	579	1,864	4,923,354	1.1
18-39 years	2,475	2,553	7,584	9,172,491	2.7
40-64 years	22,098	23,072	70,084	13,099,812	16.9
65+ years	70,155	72,340	198,870	26,668,348	26.3
Mechanical Ventilation, Extracorporeal Membrane Oxygenation (ECMO), High Flow Nasal Cannula (HFNC), or Continuous					
0-17 years	1,104	1,200	3,052	4,923,351	2.2
18-39 years	9,458	10,461	24,140	9,172,465	10.3
40-64 years	89,025	99,446	224,860	13,099,548	68.0
65+ years	301,251	323,331	712,812	26,667,565	113.0
Mechanical Ventilation and Intubation (-1,1)					
0-17 years	449	456	1,008	578	7,768.2
18-39 years	5,501	5,731	12,294	6,337	8,680.8
40-64 years	47,021	48,988	105,076	53,060	8,861.9
65+ years	149,949	153,384	325,184	170,983	8,769.8

Table 8. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between January 1, 2020 and April 30, 2021, by Age Group

Age Group	New Users	New Episodes	Adjusted Dispensings	Eligible Members ¹	New Users per 10,000 Eligible Members
Continuous Positive Airway Pressure (CPAP)					
0-17 years	398	428	894	4,923,357	0.8
18-39 years	3,023	3,372	6,838	9,172,492	3.3
40-64 years	40,984	46,231	94,162	13,099,780	31.3
65+ years	148,164	159,660	324,892	26,668,166	55.6
Mechanical Ventilation Only					
0-17 years	716	772	1,676	4,923,351	1.5
18-39 years	7,055	7,632	16,236	9,172,475	7.7
40-64 years	56,688	60,547	129,322	13,099,699	43.3
65+ years	179,109	186,470	393,580	26,667,996	67.2

¹Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 9. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between April 1, 2016 and April 30, 2021, by Age Group

Age Group	New Users	New Episodes	Adjusted Dispensings	Eligible Members ¹	New Users per 10,000 Eligible Members
Respiratory Failure During an Inpatient Encounter					
0-17 years	6,148	7,088	7,357	10,869,204	5.7
18-39 years	43,530	53,633	54,007	21,432,620	20.3
40-64 years	381,870	488,746	491,435	26,232,712	145.6
65+ years	1,305,255	1,530,145	1,538,058	36,896,370	353.8
Respiratory Failure During an Inpatient Encounter with Intubation and Mechanical Ventilation					
0-17 years	2,873	3,018	3,092	10,869,241	2.6
18-39 years	31,119	35,022	35,303	21,432,718	14.5
40-64 years	254,251	287,509	289,416	26,233,640	96.9
65+ years	752,350	801,474	806,700	36,899,847	203.9
Acute, Acute on Chronic, or Unspecified Respiratory Failure					
0-17 years	15,215	17,977	98,726	10,869,263	14.0
18-39 years	77,069	105,597	398,612	21,432,747	36.0
40-64 years	714,222	1,071,658	4,094,984	26,234,080	272.2
65+ years	3,016,028	4,154,830	13,489,966	36,900,717	817.3
Acute Respiratory Failure					
0-17 years	13,591	15,473	73,128	10,869,267	12.5
18-39 years	67,025	83,931	294,272	21,432,780	31.3
40-64 years	584,713	751,108	2,626,130	26,234,580	222.9
65+ years	2,397,263	2,898,250	8,732,878	36,902,673	649.6
Acute on Chronic Respiratory Failure					
0-17 years	1,371	2,233	11,616	10,869,284	1.3
18-39 years	12,339	20,355	62,920	21,432,864	5.8
40-64 years	210,172	358,104	1,221,010	26,235,171	80.1
65+ years	886,750	1,326,586	4,124,694	36,904,338	240.3
Unspecified Respiratory Failure					
0-17 years	4,314	4,680	15,480	10,869,282	4.0
18-39 years	15,647	16,855	51,124	21,432,864	7.3
40-64 years	123,801	136,926	414,110	26,235,338	47.2
65+ years	389,104	419,463	1,139,576	36,905,263	105.4
Mechanical Ventilation, Extracorporeal Membrane Oxygenation (ECMO), High Flow Nasal Cannula (HFNC), or Continuous					
0-17 years	7,616	9,346	24,064	10,869,280	7.0
18-39 years	54,798	71,156	161,042	21,432,806	25.6
40-64 years	471,526	639,079	1,424,406	26,234,651	179.7
65+ years	1,562,797	1,910,238	4,179,212	36,903,138	423.5
Mechanical Ventilation and Intubation (-1,1)					
0-17 years	3,267	3,445	7,828	4,074	8,019.1
18-39 years	33,399	37,707	80,936	38,225	8,737.5
40-64 years	261,318	297,371	637,070	293,224	8,911.9
65+ years	779,610	834,190	1,769,508	891,605	8,743.9

Table 9. Summary of Acute Respiratory Failure in the Sentinel Distributed Database (SDD) between April 1, 2016 and April 30, 2021, by Age Group

Age Group	New Users	New Episodes	Adjusted Dispensings	Eligible Members ¹	New Users per 10,000 Eligible Members
Continuous Positive Airway Pressure (CPAP)					
0-17 years	2,842	3,398	7,092	10,869,285	2.6
18-39 years	17,317	22,846	46,394	21,432,871	8.1
40-64 years	216,463	301,060	612,716	26,235,354	82.5
65+ years	784,819	975,500	1,985,038	36,905,039	212.7
Mechanical Ventilation Only					
0-17 years	5,162	6,149	13,648	10,869,284	4.7
18-39 years	42,056	51,475	109,700	21,432,823	19.6
40-64 years	318,327	382,940	815,730	26,234,883	121.3
65+ years	955,523	1,061,315	2,238,142	36,903,910	258.9

¹Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Appendix A: Start and End Dates for Each Data Partner up to Request Distribution Date (07/12/2021)

DP ID	Start Date¹	End Date¹
DP01	01/01/2000	04/30/2021
DP02	01/01/2008	12/31/2020
DP03	01/01/2000	02/28/2021
DP04	01/01/2006	08/31/2020
DP05	01/01/2005	10/31/2020
DP06	01/01/2000	02/28/2021
DP07	01/01/2000	06/30/2020
DP08	01/01/2007	10/31/2020
DP09	01/01/2010	09/30/2020

¹The start and end dates are based on the minimum and maximum dates within each DP. The month with the maximum date must have at least 80% of the number of records in the previous month.

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
Acute Respiratory Failure			
J96	Respiratory failure, not elsewhere classified	Diagnosis	ICD-10-CM
J96.0	Acute respiratory failure	Diagnosis	ICD-10-CM
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	Diagnosis	ICD-10-CM
J96.01	Acute respiratory failure with hypoxia	Diagnosis	ICD-10-CM
J96.02	Acute respiratory failure with hypercapnia	Diagnosis	ICD-10-CM
Acute on Chronic Respiratory Failure			
J96.2	Acute and chronic respiratory failure	Diagnosis	ICD-10-CM
J96.20	Acute and chronic respiratory failure unspecified with hypoxia/hypercapnia	Diagnosis	ICD-10-CM
J96.21	Acute and chronic respiratory failure with hypoxia	Diagnosis	ICD-10-CM
J96.22	Acute and chronic respiratory failure with hypercapnia	Diagnosis	ICD-10-CM
Unspecified Respiratory Failure			
J96.9	Respiratory failure, unspecified	Diagnosis	ICD-10-CM
J96.90	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia	Diagnosis	ICD-10-CM
J96.91	Respiratory failure, unspecified with hypoxia	Diagnosis	ICD-10-CM
J96.92	Respiratory failure, unspecified with hypercapnia	Diagnosis	ICD-10-CM
Mechanical Ventilation			
5A09359	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A0935B	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A0935Z	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-CM
5A09458	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-CM
5A09459	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A0945B	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A0945Z	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-CM
5A09558	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-CM
5A09559	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A0955B	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A0955Z	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-CM
5A1935Z	Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-CM
5A1945Z	Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-CM
5A1945Z	Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-CM
5A1955Z	Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-CM

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
Intubation			
0BH17DZ	Insertion of Intraluminal Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH13EZ	Insertion of Endotracheal Airway into Trachea, Percutaneous Approach	Procedure	ICD-10-CM
0BH172Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH182Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH18DZ	Insertion of Intraluminal Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening Endoscopy	Procedure	ICD-10-CM
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening Endoscopy	Procedure	ICD-10-CM
0BH18YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0WHQ73Z	Insertion of Infusion Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0WHQ7YZ	Insertion of Other Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM
High Flow Nasal Cannula (HFNC)			
5A0935A	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, High Nasal Flow/Velocity	Procedure	ICD-10-CM
5A0945A	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, High Nasal Flow/Velocity	Procedure	ICD-10-CM
5A0955A	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, High Nasal Flow/Velocity	Procedure	ICD-10-CM
Extracorporeal Membrane Oxygenation (ECMO)			
5A15223	Extracorporeal Membrane Oxygenation, Continuous	Procedure	ICD-10-CM
5A1522F	Extracorporeal Oxygenation, Membrane, Central	Procedure	ICD-10-CM
5A1522G	Extracorporeal Oxygenation, Membrane, Peripheral Veno-arterial	Procedure	ICD-10-CM
5A1522H	Extracorporeal Oxygenation, Membrane, Peripheral Veno-venous	Procedure	ICD-10-CM
5A15A2F	Extracorporeal Oxygenation, Membrane, Central, Intraoperative	Procedure	ICD-10-CM
5A15A2G	Extracorporeal Oxygenation, Membrane, Peripheral Veno-arterial, Intraoperative	Procedure	ICD-10-CM
5A15A2H	Extracorporeal Oxygenation, Membrane, Peripheral Veno-venous, Intraoperative	Procedure	ICD-10-CM
Z92.81	Personal history of extracorporeal membrane oxygenation (ECMO)	Diagnosis	ICD-10-CM
Continuous Positive Airway Pressure (CPAP)			
5A09357	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM
5A09457	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM
5A09557	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM

Appendix C. List of Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology, Fourth Edition (CPT-4) Codes to Define Exposures in this Request

Code	Description	Code Category	Code Type
Mechanical Ventilation			
94002	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, initial day	Procedure	CPT-4
94003	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, each subsequent day	Procedure	CPT-4
94004	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; nursing facility, per day	Procedure	CPT-4
94656	Ventilation assist and management, initiation of pressure or volume preset ventilator for assisted or controlled breathing: first day	Procedure	CPT-4
94657	Ventilation assist and management, initiation of pressure or volume preset ventilator for assisted or controlled breathing: subsequent days	Procedure	CPT-4
94662	Continuous negative pressure ventilator	Procedure	CPT-4
99440	Newborn resuscitation: provision of positive pressure ventilation and/or chest compressions in the presence of acute inadequate ventilation and/or cardiac output	Procedure	CPT-4
4168F	Patient receiving care in the intensive care unit (ICU) and receiving mechanical ventilation, 24 hours or less (CRIT)	Procedure	CPT-4
A4483	Moisture exchanger, disposable, for use with invasive mechanical ventilation	Procedure	HCPCS
Intubation			
31500	Intubation, endotracheal, emergency procedure	Procedure	CPT-4
G8164	Patient with isolated coronary artery bypass graft documented to have prolonged intubation	Procedure	HCPCS
G8569	Prolonged postoperative intubation (> 24 hrs) required	Procedure	HCPCS
Extracorporeal Membrane Oxygenation (ECMO)			
33989	Removal of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS	Procedure	CPT-4
33988	Insertion of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS	Procedure	CPT-4
36822	Insertion of cannula(s) for prolonged extracorporeal circulation for cardiopulmonary insufficiency (ECMO) (separate procedure)	Procedure	CPT-4
33957	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33958	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33959	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33962	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), open, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4

Appendix C. List of Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology, Fourth Edition (CPT-4) Codes to Define Exposures in this Request

Code	Description	Code Category	Code Type
33963	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33964	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition central cannula(e) by sternotomy or thoracotomy, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33965	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age	Procedure	CPT-4
33966	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older	Procedure	CPT-4
33969	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age	Procedure	CPT-4
33984	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), open, 6 years and older	Procedure	CPT-4
33985	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age	Procedure	CPT-4
33986	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of central cannula(e) by sternotomy or thoracotomy, 6 years and older	Procedure	CPT-4
33951	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33952	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33953	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age	Procedure	CPT-4
33954	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), open, 6 years and older	Procedure	CPT-4
33955	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age	Procedure	CPT-4
33956	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of central cannula(e) by sternotomy or thoracotomy, 6 years and older	Procedure	CPT-4

Appendix C. List of Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology, Fourth Edition (CPT-4) Codes to Define Exposures in this Request

Code	Description	Code Category	Code Type
33946	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; initiation, veno-venous	Procedure	CPT-4
33947	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; initiation, veno-arterial	Procedure	CPT-4
33948	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; daily management, each day, veno-venous	Procedure	CPT-4
33949	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; daily management, each day, veno-arterial	Procedure	CPT-4
33987	Arterial exposure with creation of graft conduit (eg, chimney graft) to facilitate arterial perfusion for ECMO/ECLS (List separately in addition to code for primary procedure)	Procedure	CPT-4
Continuous Positive Airway Pressure (CPAP)			
94660	Continuous positive airway pressure ventilation (CPAP), initiation and management	Procedure	CPT-4
E0470	Respiratory assist device, bi-level pressure capability, without backup rate feature, used with noninvasive interface, e.g., nasal or facial mask (intermittent assist device with continuous positive airway pressure device)	Procedure	HCPCS

Appendix D. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Category	Code Type
Intubation			
0BH17DZ	Insertion of Intraluminal Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH13EZ	Insertion of Endotracheal Airway into Trachea, Percutaneous Approach	Procedure	ICD-10-CM
0BH172Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH182Z	Endoscopic		
	Insertion of Intraluminal Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH18DZ	Endoscopic		
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
	Endoscopic		
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
	Endoscopic		
0BH18YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0WHQ73Z	Insertion of Infusion Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0WHQ7YZ	Insertion of Other Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM

Appendix E. List of Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology Fourth Edition (CPT-4) Codes to Define Inclusion Criteria in this Request

Code	Description	Code Category	Code Type
Intubation			
31500	Intubation, endotracheal, emergency procedure	Procedure	CPT-4
G8164	Patient with isolated coronary artery bypass graft documented to have prolonged intubation	Procedure	HCPCS
G8569	Prolonged postoperative intubation (> 24 hrs) required	Procedure	HCPCS

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
Alpha-1-Antitrypsin Deficiency			
E88.01	Alpha-1-antitrypsin deficiency	Diagnosis	ICD-10-CM
Anaphylaxis			
T78.0	Anaphylactic reaction due to food	Diagnosis	ICD-10-CM
T78.00	Anaphylactic reaction due to unspecified food	Diagnosis	ICD-10-CM
T78.00XA	Anaphylactic reaction due to unspecified food, initial encounter	Diagnosis	ICD-10-CM
T78.00XD	Anaphylactic reaction due to unspecified food, subsequent encounter	Diagnosis	ICD-10-CM
T78.00XS	Anaphylactic reaction due to unspecified food, sequela	Diagnosis	ICD-10-CM
T78.01	Anaphylactic reaction due to peanuts	Diagnosis	ICD-10-CM
T78.01XA	Anaphylactic reaction due to peanuts, initial encounter	Diagnosis	ICD-10-CM
T78.01XD	Anaphylactic reaction due to peanuts, subsequent encounter	Diagnosis	ICD-10-CM
T78.01XS	Anaphylactic reaction due to peanuts, sequela	Diagnosis	ICD-10-CM
T78.02	Anaphylactic reaction due to shellfish (crustaceans)	Diagnosis	ICD-10-CM
T78.02XA	Anaphylactic reaction due to shellfish (crustaceans), initial encounter	Diagnosis	ICD-10-CM
T78.02XD	Anaphylactic reaction due to shellfish (crustaceans), subsequent encounter	Diagnosis	ICD-10-CM
T78.02XS	Anaphylactic reaction due to shellfish (crustaceans), sequela	Diagnosis	ICD-10-CM
T78.03	Anaphylactic reaction due to other fish	Diagnosis	ICD-10-CM
T78.03XA	Anaphylactic reaction due to other fish, initial encounter	Diagnosis	ICD-10-CM
T78.03XD	Anaphylactic reaction due to other fish, subsequent encounter	Diagnosis	ICD-10-CM
T78.03XS	Anaphylactic reaction due to other fish, sequela	Diagnosis	ICD-10-CM
T78.04	Anaphylactic reaction due to fruits and vegetables	Diagnosis	ICD-10-CM
T78.04XA	Anaphylactic reaction due to fruits and vegetables, initial encounter	Diagnosis	ICD-10-CM
T78.04XD	Anaphylactic reaction due to fruits and vegetables, subsequent encounter	Diagnosis	ICD-10-CM
T78.04XS	Anaphylactic reaction due to fruits and vegetables, sequela	Diagnosis	ICD-10-CM
T78.05	Anaphylactic reaction due to tree nuts and seeds	Diagnosis	ICD-10-CM
T78.05XA	Anaphylactic reaction due to tree nuts and seeds, initial encounter	Diagnosis	ICD-10-CM
T78.05XD	Anaphylactic reaction due to tree nuts and seeds, subsequent encounter	Diagnosis	ICD-10-CM
T78.05XS	Anaphylactic reaction due to tree nuts and seeds, sequela	Diagnosis	ICD-10-CM
T78.06	Anaphylactic reaction due to food additives	Diagnosis	ICD-10-CM
T78.06XA	Anaphylactic reaction due to food additives, initial encounter	Diagnosis	ICD-10-CM
T78.06XD	Anaphylactic reaction due to food additives, subsequent encounter	Diagnosis	ICD-10-CM
T78.06XS	Anaphylactic reaction due to food additives, sequela	Diagnosis	ICD-10-CM
T78.07	Anaphylactic reaction due to milk and dairy products	Diagnosis	ICD-10-CM
T78.07XA	Anaphylactic reaction due to milk and dairy products, initial encounter	Diagnosis	ICD-10-CM
T78.07XD	Anaphylactic reaction due to milk and dairy products, subsequent encounter	Diagnosis	ICD-10-CM
T78.07XS	Anaphylactic reaction due to milk and dairy products, sequela	Diagnosis	ICD-10-CM
T78.08	Anaphylactic reaction due to eggs	Diagnosis	ICD-10-CM
T78.08XA	Anaphylactic reaction due to eggs, initial encounter	Diagnosis	ICD-10-CM
T78.08XD	Anaphylactic reaction due to eggs, subsequent encounter	Diagnosis	ICD-10-CM
T78.08XS	Anaphylactic reaction due to eggs, sequela	Diagnosis	ICD-10-CM
T78.09	Anaphylactic reaction due to other food products	Diagnosis	ICD-10-CM
T78.09XA	Anaphylactic reaction due to other food products, initial encounter	Diagnosis	ICD-10-CM
T78.09XD	Anaphylactic reaction due to other food products, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
T78.09XS	Anaphylactic reaction due to other food products, sequela	Diagnosis	ICD-10-CM
T78.2	Anaphylactic shock, unspecified	Diagnosis	ICD-10-CM
T78.2XXA	Anaphylactic shock, unspecified, initial encounter	Diagnosis	ICD-10-CM
T78.2XXD	Anaphylactic shock, unspecified, subsequent encounter	Diagnosis	ICD-10-CM
T78.2XXS	Anaphylactic shock, unspecified, sequela	Diagnosis	ICD-10-CM
T80.52XA	Anaphylactic reaction due to vaccination, initial encounter	Diagnosis	ICD-10-CM
T88.6XXA	Anaphylactic reaction due to adverse effect of correct drug or medicament properly administered, initial encounter	Diagnosis	ICD-10-CM
T80.51XA	Anaphylactic reaction due to administration of blood and blood products, initial encounter	Diagnosis	ICD-10-CM
T80.59XA	Anaphylactic reaction due to other serum, initial encounter	Diagnosis	ICD-10-CM
Angioedema			
T78.3XXA	Angioneurotic edema, initial encounter	Diagnosis	ICD-10-CM
T78.3XXD	Angioneurotic edema, subsequent encounter	Diagnosis	ICD-10-CM
T78.3XXS	Angioneurotic edema, sequela	Diagnosis	ICD-10-CM
Aspiration of Gastric Contents			
J69.0	Pneumonitis due to inhalation of food and vomit	Diagnosis	ICD-10-CM
Asthma			
J45	Asthma	Diagnosis	ICD-10-CM
J45.2	Mild intermittent asthma	Diagnosis	ICD-10-CM
J45.20	Mild intermittent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.3	Mild persistent asthma	Diagnosis	ICD-10-CM
J45.30	Mild persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.40	Moderate persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.5	Severe persistent asthma	Diagnosis	ICD-10-CM
J45.50	Severe persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.9	Other and unspecified asthma	Diagnosis	ICD-10-CM
J45.90	Unspecified asthma	Diagnosis	ICD-10-CM
J45.909	Unspecified asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.99	Other asthma	Diagnosis	ICD-10-CM
J45.991	Cough variant asthma	Diagnosis	ICD-10-CM
J45.998	Other asthma	Diagnosis	ICD-10-CM
Asthma Exacerbation			
J45.21	Mild intermittent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.22	Mild intermittent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.31	Mild persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.32	Mild persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.41	Moderate persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.42	Moderate persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.51	Severe persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.52	Severe persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.901	Unspecified asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.902	Unspecified asthma with status asthmaticus	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
Bronchiectasis			
J47	Bronchiectasis	Diagnosis	ICD-10-CM
J47.0	Bronchiectasis with acute lower respiratory infection	Diagnosis	ICD-10-CM
J47.1	Bronchiectasis with (acute) exacerbation	Diagnosis	ICD-10-CM
J47.9	Bronchiectasis, uncomplicated	Diagnosis	ICD-10-CM
Q33.4	Congenital bronchiectasis	Diagnosis	ICD-10-CM
A15.0	Tuberculous bronchiectasis (current disease)	Diagnosis	ICD-10-CM
Cardiogenic Risk Factors			
I50.1	Left ventricular failure, unspecified	Diagnosis	ICD-10-CM
I50.20	Unspecified systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.21	Acute systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.22	Chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.23	Acute on chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.30	Unspecified diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.31	Acute diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.32	Chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.33	Acute on chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.810	Right heart failure, unspecified	Diagnosis	ICD-10-CM
I50.811	Acute right heart failure	Diagnosis	ICD-10-CM
I50.812	Chronic right heart failure	Diagnosis	ICD-10-CM
I50.813	Acute on chronic right heart failure	Diagnosis	ICD-10-CM
I50.814	Right heart failure due to left heart failure	Diagnosis	ICD-10-CM
I50.82	Biventricular heart failure	Diagnosis	ICD-10-CM
I50.83	High output heart failure	Diagnosis	ICD-10-CM
I50.84	End stage heart failure	Diagnosis	ICD-10-CM
I50.89	Other heart failure	Diagnosis	ICD-10-CM
I50.9	Heart failure, unspecified	Diagnosis	ICD-10-CM
I21.9	Acute myocardial infarction, unspecified	Diagnosis	ICD-10-CM
I21.A1	Myocardial infarction type 2	Diagnosis	ICD-10-CM
COVID-19			
B97.29	Other coronavirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
U07.1	COVID-19, virus identified [code effective April 1, 2020]	Diagnosis	ICD-10-CM
B34.2	Coronavirus infection, unspecified site	Diagnosis	ICD-10-CM
B97.21	SARS-associated coronavirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
J12.81	Pneumonia due to SARS-associated coronavirus	Diagnosis	ICD-10-CM
Connective Tissue Rheumatic Lung Disease			
M32.13	Lung involvement in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M33.01	Juvenile dermatomyositis with respiratory involvement	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
M33.11	Other dermatomyositis with respiratory involvement	Diagnosis	ICD-10-CM
M33.21	Polymyositis with respiratory involvement	Diagnosis	ICD-10-CM
M33.91	Dermatopolymyositis, unspecified with respiratory involvement	Diagnosis	ICD-10-CM
M34.81	Systemic sclerosis with lung involvement	Diagnosis	ICD-10-CM
M35.02	Sicca syndrome with lung involvement	Diagnosis	ICD-10-CM
Chronic Obstructive Pulmonary Disease (COPD)			
J41	Simple and mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J41.0	Simple chronic bronchitis	Diagnosis	ICD-10-CM
J41.1	Mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J41.8	Mixed simple and mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J42	Unspecified chronic bronchitis	Diagnosis	ICD-10-CM
J43	Emphysema	Diagnosis	ICD-10-CM
J43.1	Panlobular emphysema	Diagnosis	ICD-10-CM
J43.2	Centrilobular emphysema	Diagnosis	ICD-10-CM
J43.8	Other emphysema	Diagnosis	ICD-10-CM
J43.9	Emphysema, unspecified	Diagnosis	ICD-10-CM
J44	Other chronic obstructive pulmonary disease	Diagnosis	ICD-10-CM
J44.9	Chronic obstructive pulmonary disease, unspecified	Diagnosis	ICD-10-CM
COPD Exacerbation			
J44.0	Chronic obstructive pulmonary disease with acute lower respiratory infection	Diagnosis	ICD-10-CM
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	Diagnosis	ICD-10-CM
Congestive Heart Failure			
I42.8	Other cardiomyopathies	Diagnosis	ICD-10-CM
I51.7	Cardiomegaly	Diagnosis	ICD-10-CM
I50.21	Acute systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I42.2	Other hypertrophic cardiomyopathy	Diagnosis	ICD-10-CM
P29.0	Neonatal cardiac failure	Diagnosis	ICD-10-CM
I50.2	Systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I42.0	Dilated cardiomyopathy	Diagnosis	ICD-10-CM
I50.23	Acute on chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.22	Chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.32	Chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.1	Left ventricular failure, unspecified	Diagnosis	ICD-10-CM
I42.7	Cardiomyopathy due to drug and external agent	Diagnosis	ICD-10-CM
I50.30	Unspecified diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I11.0	Hypertensive heart disease with heart failure	Diagnosis	ICD-10-CM
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.20	Unspecified systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I09.9	Rheumatic heart disease, unspecified	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I42.4	Endocardial fibroelastosis	Diagnosis	ICD-10-CM
I50.3	Diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I25.5	Ischemic cardiomyopathy	Diagnosis	ICD-10-CM
I50.33	Acute on chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.31	Acute diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I42.5	Other restrictive cardiomyopathy	Diagnosis	ICD-10-CM
I43	Cardiomyopathy in diseases classified elsewhere	Diagnosis	ICD-10-CM
I50.4	Combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50	Heart failure	Diagnosis	ICD-10-CM
A18.84	Tuberculosis of heart	Diagnosis	ICD-10-CM
I42.9	Cardiomyopathy, unspecified	Diagnosis	ICD-10-CM
I42.1	Obstructive hypertrophic cardiomyopathy	Diagnosis	ICD-10-CM
I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I42	Cardiomyopathy	Diagnosis	ICD-10-CM
I50.9	Heart failure, unspecified	Diagnosis	ICD-10-CM
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
I42.3	Endomyocardial (eosinophilic) disease	Diagnosis	ICD-10-CM
I42.6	Alcoholic cardiomyopathy	Diagnosis	ICD-10-CM
Cryptogenic Organizing Pneumonia			
J84.116	Cryptogenic organizing pneumonia	Diagnosis	ICD-10-CM
Cystic Fibrosis			
E84	Cystic fibrosis	Diagnosis	ICD-10-CM
E84.0	Cystic fibrosis with pulmonary manifestations	Diagnosis	ICD-10-CM
E84.1	Cystic fibrosis with intestinal manifestations	Diagnosis	ICD-10-CM
E84.11	Meconium ileus in cystic fibrosis	Diagnosis	ICD-10-CM
E84.19	Cystic fibrosis with other intestinal manifestations	Diagnosis	ICD-10-CM
E84.8	Cystic fibrosis with other manifestations	Diagnosis	ICD-10-CM
E84.9	Cystic fibrosis, unspecified	Diagnosis	ICD-10-CM
Drowning			
W65XXXA	Accidental drowning and submersion while in bath-tub, initial encounter	Diagnosis	ICD-10-CM
W65XXXD	Accidental drowning and submersion while in bath-tub, subsequent encounter	Diagnosis	ICD-10-CM
W67XXXA	Accidental drowning and submersion while in swimming-pool, initial encounter	Diagnosis	ICD-10-CM
W67XXXD	Accidental drowning and submersion while in swimming-pool, subsequent encounter	Diagnosis	ICD-10-CM
W69XXXA	Accidental drowning and submersion while in natural water, initial encounter	Diagnosis	ICD-10-CM
W69XXXD	Accidental drowning and submersion while in natural water, subsequent encounter	Diagnosis	ICD-10-CM
W73XXXA	Other specified cause of accidental non-transport drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W73XXXD	Other specified cause of accidental non-transport drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W74XXXA	Unspecified cause of accidental drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W74XXXD	Unspecified cause of accidental drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
Y210XXA	Drowning and submersion while in bathtub, undetermined intent, initial encounter	Diagnosis	ICD-10-CM
Y210XXD	Drowning and submersion while in bathtub, undetermined intent, subsequent encounter	Diagnosis	ICD-10-CM
Y211XXA	Drowning and submersion after fall into bathtub, undetermined intent, initial encounter	Diagnosis	ICD-10-CM
Y211XXD	Drowning and submersion after fall into bathtub, undetermined intent, subsequent encounter	Diagnosis	ICD-10-CM
Y212XXA	Drowning and submersion while in swimming pool, undetermined intent, initial encounter	Diagnosis	ICD-10-CM
Y212XXD	Drowning and submersion while in swimming pool, undetermined intent, subsequent encounter	Diagnosis	ICD-10-CM
Y213XXA	Drowning and submersion after fall into swimming pool, undetermined intent, initial encounter	Diagnosis	ICD-10-CM
Y213XXD	Drowning and submersion after fall into swimming pool, undetermined intent, subsequent encounter	Diagnosis	ICD-10-CM
Y214XXA	Drowning and submersion in natural water, undetermined intent, initial encounter	Diagnosis	ICD-10-CM
Y214XXD	Drowning and submersion in natural water, undetermined intent, subsequent encounter	Diagnosis	ICD-10-CM
Y218XXA	Other drowning and submersion, undetermined intent, initial encounter	Diagnosis	ICD-10-CM
Y218XXD	Other drowning and submersion, undetermined intent, subsequent encounter	Diagnosis	ICD-10-CM
Drug-Induced Lung Disorders			
J70.2	Acute drug-induced interstitial lung disorders	Diagnosis	ICD-10-CM
J70.3	Chronic drug-induced interstitial lung disorders	Diagnosis	ICD-10-CM
J70.4	Drug-induced interstitial lung disorders, unspecified	Diagnosis	ICD-10-CM
Hypersensitivity Pneumonitis			
J67	Hypersensitivity pneumonitis due to organic dust	Diagnosis	ICD-10-CM
J67.0	Farmer's lung	Diagnosis	ICD-10-CM
J67.1	Bagassosis	Diagnosis	ICD-10-CM
J67.2	Bird fancier's lung	Diagnosis	ICD-10-CM
J67.3	Suberosis	Diagnosis	ICD-10-CM
J67.4	Maltworker's lung	Diagnosis	ICD-10-CM
J67.5	Mushroom-worker's lung	Diagnosis	ICD-10-CM
J67.6	Maple-bark-stripper's lung	Diagnosis	ICD-10-CM
J67.7	Air conditioner and humidifier lung	Diagnosis	ICD-10-CM
J67.8	Hypersensitivity pneumonitis due to other organic dusts	Diagnosis	ICD-10-CM
J67.9	Hypersensitivity pneumonitis due to unspecified organic dust	Diagnosis	ICD-10-CM
Interstitial Lung Diseases			
J84	Other interstitial pulmonary diseases	Diagnosis	ICD-10-CM
J84.0	Alveolar and parieto-alveolar conditions	Diagnosis	ICD-10-CM
J84.01	Alveolar proteinosis	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
J84.02	Pulmonary alveolar microlithiasis	Diagnosis	ICD-10-CM
J84.03	Idiopathic pulmonary hemosiderosis	Diagnosis	ICD-10-CM
J84.09	Other alveolar and parieto-alveolar conditions	Diagnosis	ICD-10-CM
J84.1	Other interstitial pulmonary diseases with fibrosis	Diagnosis	ICD-10-CM
J84.11	Idiopathic interstitial pneumonia	Diagnosis	ICD-10-CM
J84.111	Idiopathic interstitial pneumonia, not otherwise specified	Diagnosis	ICD-10-CM
J84.114	Acute interstitial pneumonitis	Diagnosis	ICD-10-CM
J84.115	Respiratory bronchiolitis interstitial lung disease	Diagnosis	ICD-10-CM
J84.117	Desquamative interstitial pneumonia	Diagnosis	ICD-10-CM
J84.17	Other interstitial pulmonary diseases with fibrosis in diseases classified elsewhere	Diagnosis	ICD-10-CM
J84.2	Lymphoid interstitial pneumonia	Diagnosis	ICD-10-CM
J84.8	Other specified interstitial pulmonary diseases	Diagnosis	ICD-10-CM
J84.81	Lymphangioleiomyomatosis	Diagnosis	ICD-10-CM
J84.82	Adult pulmonary Langerhans cell histiocytosis	Diagnosis	ICD-10-CM
J84.83	Surfactant mutations of the lung	Diagnosis	ICD-10-CM
J84.84	Other interstitial lung diseases of childhood	Diagnosis	ICD-10-CM
J84.841	Neuroendocrine cell hyperplasia of infancy	Diagnosis	ICD-10-CM
J84.842	Pulmonary interstitial glycogenosis	Diagnosis	ICD-10-CM
J84.843	Alveolar capillary dysplasia with vein misalignment	Diagnosis	ICD-10-CM
J84.848	Other interstitial lung diseases of childhood	Diagnosis	ICD-10-CM
J84.89	Other specified interstitial pulmonary diseases	Diagnosis	ICD-10-CM
J84.9	Interstitial pulmonary disease, unspecified	Diagnosis	ICD-10-CM
Idiopathic Pulmonary Fibrosis			
J84.112	Idiopathic pulmonary fibrosis	Diagnosis	ICD-10-CM
Influenza			
J09	Influenza due to certain identified influenza viruses	Diagnosis	ICD-10-CM
J09.X1	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-10-CM
J09.X2	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J09.X3	Influenza due to identified novel influenza A virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J09.X9	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-10-CM
J10	Influenza due to other identified influenza virus	Diagnosis	ICD-10-CM
J10.0	Influenza due to other identified influenza virus with pneumonia	Diagnosis	ICD-10-CM
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	Diagnosis	ICD-10-CM
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	Diagnosis	ICD-10-CM
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J10.2	Influenza due to other identified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
J10.81	Influenza due to other identified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J10.82	Influenza due to other identified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J10.83	Influenza due to other identified influenza virus with otitis media	Diagnosis	ICD-10-CM
J10.89	Influenza due to other identified influenza virus with other manifestations	Diagnosis	ICD-10-CM
J11	Influenza due to unidentified influenza virus	Diagnosis	ICD-10-CM
J11.0	Influenza due to unidentified influenza virus with pneumonia	Diagnosis	ICD-10-CM
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	Diagnosis	ICD-10-CM
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J11.2	Influenza due to unidentified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J11.81	Influenza due to unidentified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J11.82	Influenza due to unidentified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J11.83	Influenza due to unidentified influenza virus with otitis media	Diagnosis	ICD-10-CM
J11.89	Influenza due to unidentified influenza virus with other manifestations	Diagnosis	ICD-10-CM
Non-Specific Interstitial Pneumonitis (NSIP)			
J84.113	Idiopathic non-specific interstitial pneumonitis	Diagnosis	ICD-10-CM
Other Lung Disorders			
J81.1	Chronic pulmonary edema	Diagnosis	ICD-10-CM
J84.10	Pulmonary fibrosis, unspecified	Diagnosis	ICD-10-CM
B44.81	Allergic bronchopulmonary aspergillosis	Diagnosis	ICD-10-CM
J39.8	Other specified diseases of upper respiratory tract	Diagnosis	ICD-10-CM
J81.0	Acute pulmonary edema	Diagnosis	ICD-10-CM
J82	Pulmonary eosinophilia, not elsewhere classified	Diagnosis	ICD-10-CM
J85.0	Gangrene and necrosis of lung	Diagnosis	ICD-10-CM
J85.2	Abscess of lung without pneumonia	Diagnosis	ICD-10-CM
J85.3	Abscess of mediastinum	Diagnosis	ICD-10-CM
J86.0	Pyothorax with fistula	Diagnosis	ICD-10-CM
J86.9	Pyothorax without fistula	Diagnosis	ICD-10-CM
J90	Pleural effusion, not elsewhere classified	Diagnosis	ICD-10-CM
J91.0	Malignant pleural effusion	Diagnosis	ICD-10-CM
J91.8	Pleural effusion in other conditions classified elsewhere	Diagnosis	ICD-10-CM
J92.0	Pleural plaque with presence of asbestos	Diagnosis	ICD-10-CM
J92.9	Pleural plaque without asbestos	Diagnosis	ICD-10-CM
J94.0	Chylous effusion	Diagnosis	ICD-10-CM
J94.1	Fibrothorax	Diagnosis	ICD-10-CM
J94.2	Hemothorax	Diagnosis	ICD-10-CM
J94.8	Other specified pleural conditions	Diagnosis	ICD-10-CM
J94.9	Pleural condition, unspecified	Diagnosis	ICD-10-CM
J95.00	Unspecified tracheostomy complication	Diagnosis	ICD-10-CM
J95.01	Hemorrhage from tracheostomy stoma	Diagnosis	ICD-10-CM
J95.02	Infection of tracheostomy stoma	Diagnosis	ICD-10-CM
J95.03	Malfunction of tracheostomy stoma	Diagnosis	ICD-10-CM
J95.04	Tracheo-esophageal fistula following tracheostomy	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
J95.09	Other tracheostomy complication	Diagnosis	ICD-10-CM
J95.84	Transfusion-related acute lung injury (TRALI)	Diagnosis	ICD-10-CM
J98.01	Acute bronchospasm	Diagnosis	ICD-10-CM
J98.09	Other diseases of bronchus, not elsewhere classified	Diagnosis	ICD-10-CM
J98.11	Atelectasis	Diagnosis	ICD-10-CM
J98.19	Other pulmonary collapse	Diagnosis	ICD-10-CM
J98.2	Interstitial emphysema	Diagnosis	ICD-10-CM
J98.3	Compensatory emphysema	Diagnosis	ICD-10-CM
J98.4	Other disorders of lung	Diagnosis	ICD-10-CM
J98.51	Mediastinitis	Diagnosis	ICD-10-CM
J98.59	Other diseases of mediastinum, not elsewhere classified	Diagnosis	ICD-10-CM
J98.6	Disorders of diaphragm	Diagnosis	ICD-10-CM
J98.8	Other specified respiratory disorders	Diagnosis	ICD-10-CM
J98.9	Respiratory disorder, unspecified	Diagnosis	ICD-10-CM
J99	Respiratory disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
R09.1	Pleurisy	Diagnosis	ICD-10-CM
Pancreatitis			
B25.2	Cytomegaloviral pancreatitis	Diagnosis	ICD-10-CM
B26.3	Mumps pancreatitis	Diagnosis	ICD-10-CM
K85	Acute pancreatitis	Diagnosis	ICD-10-CM
K85.0	Idiopathic acute pancreatitis	Diagnosis	ICD-10-CM
K85.00	Idiopathic acute pancreatitis without necrosis or infection	Diagnosis	ICD-10-CM
K85.01	Idiopathic acute pancreatitis with uninfected necrosis	Diagnosis	ICD-10-CM
K85.02	Idiopathic acute pancreatitis with infected necrosis	Diagnosis	ICD-10-CM
K85.1	Biliary acute pancreatitis	Diagnosis	ICD-10-CM
K85.10	Biliary acute pancreatitis without necrosis or infection	Diagnosis	ICD-10-CM
K85.11	Biliary acute pancreatitis with uninfected necrosis	Diagnosis	ICD-10-CM
K85.12	Biliary acute pancreatitis with infected necrosis	Diagnosis	ICD-10-CM
K85.2	Alcohol induced acute pancreatitis	Diagnosis	ICD-10-CM
K85.20	Alcohol induced acute pancreatitis without necrosis or infection	Diagnosis	ICD-10-CM
K85.21	Alcohol induced acute pancreatitis with uninfected necrosis	Diagnosis	ICD-10-CM
K85.22	Alcohol induced acute pancreatitis with infected necrosis	Diagnosis	ICD-10-CM
K85.3	Drug induced acute pancreatitis	Diagnosis	ICD-10-CM
K85.30	Drug induced acute pancreatitis without necrosis or infection	Diagnosis	ICD-10-CM
K85.31	Drug induced acute pancreatitis with uninfected necrosis	Diagnosis	ICD-10-CM
K85.32	Drug induced acute pancreatitis with infected necrosis	Diagnosis	ICD-10-CM
K85.8	Other acute pancreatitis	Diagnosis	ICD-10-CM
K85.80	Other acute pancreatitis without necrosis or infection	Diagnosis	ICD-10-CM
K85.81	Other acute pancreatitis with uninfected necrosis	Diagnosis	ICD-10-CM
K85.82	Other acute pancreatitis with infected necrosis	Diagnosis	ICD-10-CM
K85.9	Acute pancreatitis, unspecified	Diagnosis	ICD-10-CM
K85.90	Acute pancreatitis without necrosis or infection, unspecified	Diagnosis	ICD-10-CM
K85.91	Acute pancreatitis with uninfected necrosis, unspecified	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
K85.92	Acute pancreatitis with infected necrosis, unspecified	Diagnosis	ICD-10-CM
K86.0	Alcohol-induced chronic pancreatitis	Diagnosis	ICD-10-CM
K86.1	Other chronic pancreatitis	Diagnosis	ICD-10-CM
Pneumoconioses			
J60	Coalworker's pneumoconiosis	Diagnosis	ICD-10-CM
J61	Pneumoconiosis due to asbestos and other mineral fibers	Diagnosis	ICD-10-CM
J62	Pneumoconiosis due to dust containing silica	Diagnosis	ICD-10-CM
J63	Pneumoconiosis due to other inorganic dusts	Diagnosis	ICD-10-CM
J64	Unspecified pneumoconiosis	Diagnosis	ICD-10-CM
J65	Pneumoconiosis associated with tuberculosis	Diagnosis	ICD-10-CM
J66	Airway disease due to specific organic dust	Diagnosis	ICD-10-CM
J68	Respiratory conditions due to inhalation of chemicals, gases, fumes and vapors	Diagnosis	ICD-10-CM
J69	Pneumonitis due to solids and liquids	Diagnosis	ICD-10-CM
J70	Respiratory conditions due to other external agents	Diagnosis	ICD-10-CM
J70.5	Respiratory conditions due to smoke inhalation	Diagnosis	ICD-10-CM
J70.8	Respiratory conditions due to other specified external agents	Diagnosis	ICD-10-CM
J70.9	Respiratory conditions due to unspecified external agent	Diagnosis	ICD-10-CM
Pneumonia			
J12.0	Adenoviral Pneumonia	Diagnosis	ICD-10-CM
J12.1	Respiratory Syncytial Virus Pneumonia	Diagnosis	ICD-10-CM
J12.2	Parainfluenza virus Pneumonia	Diagnosis	ICD-10-CM
J12.3	Human metapneumovirus pneumonia	Diagnosis	ICD-10-CM
J12.89	Other viral pneumonia	Diagnosis	ICD-10-CM
J12.9	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
J13	Pneumonia due to Streptococcus pneumoniae	Diagnosis	ICD-10-CM
J14	Pneumonia due to Hemophilus influenzae	Diagnosis	ICD-10-CM
J15.0	Pneumonia due to Klebsiella pneumoniae	Diagnosis	ICD-10-CM
J15.1	Pneumonia due to Pseudomonas	Diagnosis	ICD-10-CM
J15.20	Pneumonia due to staphylococcus, unspecified	Diagnosis	ICD-10-CM
J15.211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	Diagnosis	ICD-10-CM
J15.212	Pneumonia due to Methicillin resistant Staphylococcus aureus	Diagnosis	ICD-10-CM
J15.29	Pneumonia due to other staphylococcus	Diagnosis	ICD-10-CM
J15.3	Pneumonia due to streptococcus, group B	Diagnosis	ICD-10-CM
J15.4	Pneumonia due to other streptococci	Diagnosis	ICD-10-CM
J15.5	Pneumonia due to Escherichia coli	Diagnosis	ICD-10-CM
J15.6	Pneumonia due to other Gram-negative bacteria	Diagnosis	ICD-10-CM
J15.7	Pneumonia due to Mycoplasma pneumoniae	Diagnosis	ICD-10-CM
J15.8	Pneumonia due to other specified bacteria	Diagnosis	ICD-10-CM
J15.9	Unspecified bacterial pneumonia	Diagnosis	ICD-10-CM
J16.0	Chlamydial pneumonia	Diagnosis	ICD-10-CM
J16.8	Pneumonia due to other specified infectious organisms	Diagnosis	ICD-10-CM
B37.1	candidial pneumonia	Diagnosis	ICD-10-CM
A54.84	gonorrheal pneumonia	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
B39.0	histoplasmosis pneumonia	Diagnosis	ICD-10-CM
B39.1	histoplasmosis pneumonia	Diagnosis	ICD-10-CM
B39.2	histoplasmosis pneumonia	Diagnosis	ICD-10-CM
B05.2	measles pneumonia	Diagnosis	ICD-10-CM
A43.0	nocardiosis pneumonia	Diagnosis	ICD-10-CM
B59	pneumonia due to Pneumocystis carinii	Diagnosis	ICD-10-CM
A42.0	pneumonia in actinomycosis	Diagnosis	ICD-10-CM
A22.1	pneumonia in anthrax	Diagnosis	ICD-10-CM
B77.81	pneumonia in ascariasis	Diagnosis	ICD-10-CM
B44.0	pneumonia in aspergillosis	Diagnosis	ICD-10-CM
B44.1	pneumonia in aspergillosis	Diagnosis	ICD-10-CM
B38.0	pneumonia in coccidioidomycosis	Diagnosis	ICD-10-CM
B38.1	pneumonia in coccidioidomycosis	Diagnosis	ICD-10-CM
B38.2	pneumonia in coccidioidomycosis	Diagnosis	ICD-10-CM
B25.0	pneumonia in cytomegalovirus disease	Diagnosis	ICD-10-CM
B58.3	pneumonia in toxoplasmosis	Diagnosis	ICD-10-CM
B06.81	rubella pneumonia	Diagnosis	ICD-10-CM
A02.22	salmonella pneumonia	Diagnosis	ICD-10-CM
A69.8	Spirochetal infection not elsewhere classified with pneumonia	Diagnosis	ICD-10-CM
A21.2	tularemia pneumonia	Diagnosis	ICD-10-CM
A01.03	typhoid fever with pneumonia	Diagnosis	ICD-10-CM
B01.2	varicella pneumonia	Diagnosis	ICD-10-CM
A37	whooping cough with pneumonia	Diagnosis	ICD-10-CM
J18.0	bronchopneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.1	lobar pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.8	other pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.9	Pneumonia, unspecified organism	Diagnosis	ICD-10-CM
Pulmonary Contusion			
S27.32	Contusion of lung	Diagnosis	ICD-10-CM
S27.321	Contusion of lung, unilateral	Diagnosis	ICD-10-CM
S27.321A	Contusion of lung, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.321D	Contusion of lung, unilateral, subsequent encounter	Diagnosis	ICD-10-CM
S27.321S	Contusion of lung, unilateral, sequela	Diagnosis	ICD-10-CM
S27.322	Contusion of lung, bilateral	Diagnosis	ICD-10-CM
S27.322A	Contusion of lung, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.322D	Contusion of lung, bilateral, subsequent encounter	Diagnosis	ICD-10-CM
S27.322S	Contusion of lung, bilateral, sequela	Diagnosis	ICD-10-CM
S27.329	Contusion of lung, unspecified	Diagnosis	ICD-10-CM
S27.329A	Contusion of lung, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.329D	Contusion of lung, unspecified, subsequent encounter	Diagnosis	ICD-10-CM
S27.329S	Contusion of lung, unspecified, sequela	Diagnosis	ICD-10-CM
Pulmonary Embolism			
I26.01	Septic pulmonary embolism with acute cor pulmonale	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
I26.09	Other pulmonary embolism with acute cor pulmonale	Diagnosis	ICD-10-CM
I26.90	Septic pulmonary embolism without acute cor pulmonale	Diagnosis	ICD-10-CM
I26.99	Other pulmonary embolism without acute cor pulmonale	Diagnosis	ICD-10-CM
T80.0XXA	Air embolism following infusion, transfusion and therapeutic injection, initial encounter	Diagnosis	ICD-10-CM
T82.817A	Embolism due to cardiac prosthetic devices, implants and grafts, initial encounter	Diagnosis	ICD-10-CM
T82.818A	Embolism due to vascular prosthetic devices, implants and grafts, initial encounter	Diagnosis	ICD-10-CM
Radiation-Associated Pulmonary Manifestations			
J70.0	Acute pulmonary manifestations due to radiation	Diagnosis	ICD-10-CM
J70.1	Chronic and other pulmonary manifestations due to radiation	Diagnosis	ICD-10-CM
Sarcoidosis			
D86	Sarcoidosis	Diagnosis	ICD-10-CM
D860	Sarcoidosis of lung	Diagnosis	ICD-10-CM
D861	Sarcoidosis of lymph nodes	Diagnosis	ICD-10-CM
D862	Sarcoidosis of lung with sarcoidosis of lymph nodes	Diagnosis	ICD-10-CM
D863	Sarcoidosis of skin	Diagnosis	ICD-10-CM
D868	Sarcoidosis of other sites	Diagnosis	ICD-10-CM
D8681	Sarcoid meningitis	Diagnosis	ICD-10-CM
D8682	Multiple cranial nerve palsies in sarcoidosis	Diagnosis	ICD-10-CM
D8683	Sarcoid iridocyclitis	Diagnosis	ICD-10-CM
D8684	Sarcoid pyelonephritis	Diagnosis	ICD-10-CM
D8685	Sarcoid myocarditis	Diagnosis	ICD-10-CM
D8686	Sarcoid arthropathy	Diagnosis	ICD-10-CM
D8687	Sarcoid myositis	Diagnosis	ICD-10-CM
D8689	Sarcoidosis of other sites	Diagnosis	ICD-10-CM
D869	Sarcoidosis, unspecified	Diagnosis	ICD-10-CM
Sepsis			
A02.1	Salmonella sepsis	Diagnosis	ICD-10-CM
A22.7	Anthrax sepsis	Diagnosis	ICD-10-CM
A26.7	Erysipelothrix sepsis	Diagnosis	ICD-10-CM
A32.7	Listerial sepsis	Diagnosis	ICD-10-CM
A40	Streptococcal sepsis	Diagnosis	ICD-10-CM
A40.0	Sepsis due to streptococcus, group A	Diagnosis	ICD-10-CM
A40.1	Sepsis due to streptococcus, group B	Diagnosis	ICD-10-CM
A40.3	Sepsis due to Streptococcus pneumoniae	Diagnosis	ICD-10-CM
A40.8	Other streptococcal sepsis	Diagnosis	ICD-10-CM
A40.9	Streptococcal sepsis, unspecified	Diagnosis	ICD-10-CM
A41	Other sepsis	Diagnosis	ICD-10-CM
A41.0	Sepsis due to Staphylococcus aureus	Diagnosis	ICD-10-CM
A41.01	Sepsis due to Methicillin susceptible Staphylococcus aureus	Diagnosis	ICD-10-CM
A41.02	Sepsis due to Methicillin resistant Staphylococcus aureus	Diagnosis	ICD-10-CM
A41.1	Sepsis due to other specified staphylococcus	Diagnosis	ICD-10-CM
A41.2	Sepsis due to unspecified staphylococcus	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
A41.3	Sepsis due to Hemophilus influenzae	Diagnosis	ICD-10-CM
A41.4	Sepsis due to anaerobes	Diagnosis	ICD-10-CM
A41.5	Sepsis due to other Gram-negative organisms	Diagnosis	ICD-10-CM
A41.50	Gram-negative sepsis, unspecified	Diagnosis	ICD-10-CM
A41.51	Sepsis due to Escherichia coli [E. coli]	Diagnosis	ICD-10-CM
A41.52	Sepsis due to Pseudomonas	Diagnosis	ICD-10-CM
A41.53	Sepsis due to Serratia	Diagnosis	ICD-10-CM
A41.59	Other Gram-negative sepsis	Diagnosis	ICD-10-CM
A41.8	Other specified sepsis	Diagnosis	ICD-10-CM
A41.81	Sepsis due to Enterococcus	Diagnosis	ICD-10-CM
A41.89	Other specified sepsis	Diagnosis	ICD-10-CM
A41.9	Sepsis, unspecified organism	Diagnosis	ICD-10-CM
A42.7	Actinomycotic sepsis	Diagnosis	ICD-10-CM
A54.86	Gonococcal sepsis	Diagnosis	ICD-10-CM
B37.7	Candidal sepsis	Diagnosis	ICD-10-CM
O03.37	Sepsis following incomplete spontaneous abortion	Diagnosis	ICD-10-CM
O03.87	Sepsis following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM
O04.87	Sepsis following (induced) termination of pregnancy	Diagnosis	ICD-10-CM
O07.37	Sepsis following failed attempted termination of pregnancy	Diagnosis	ICD-10-CM
O08.82	Sepsis following ectopic and molar pregnancy	Diagnosis	ICD-10-CM
O85	Puerperal sepsis	Diagnosis	ICD-10-CM
O86.04	Sepsis following an obstetrical procedure	Diagnosis	ICD-10-CM
P36	Bacterial sepsis of newborn	Diagnosis	ICD-10-CM
P36.0	Sepsis of newborn due to streptococcus, group B	Diagnosis	ICD-10-CM
P36.1	Sepsis of newborn due to other and unspecified streptococci	Diagnosis	ICD-10-CM
P36.10	Sepsis of newborn due to unspecified streptococci	Diagnosis	ICD-10-CM
P36.19	Sepsis of newborn due to other streptococci	Diagnosis	ICD-10-CM
P36.2	Sepsis of newborn due to Staphylococcus aureus	Diagnosis	ICD-10-CM
P36.3	Sepsis of newborn due to other and unspecified staphylococci	Diagnosis	ICD-10-CM
P36.30	Sepsis of newborn due to unspecified staphylococci	Diagnosis	ICD-10-CM
P36.39	Sepsis of newborn due to other staphylococci	Diagnosis	ICD-10-CM
P36.4	Sepsis of newborn due to Escherichia coli	Diagnosis	ICD-10-CM
P36.5	Sepsis of newborn due to anaerobes	Diagnosis	ICD-10-CM
P36.8	Other bacterial sepsis of newborn	Diagnosis	ICD-10-CM
P36.9	Bacterial sepsis of newborn, unspecified	Diagnosis	ICD-10-CM
R65.2	Severe sepsis	Diagnosis	ICD-10-CM
R65.20	Severe sepsis without septic shock	Diagnosis	ICD-10-CM
R65.21	Severe sepsis with septic shock	Diagnosis	ICD-10-CM
T81.44	Sepsis following a procedure	Diagnosis	ICD-10-CM
T81.44XA	Sepsis following a procedure, initial encounter	Diagnosis	ICD-10-CM
T81.44XD	Sepsis following a procedure, subsequent encounter	Diagnosis	ICD-10-CM
T81.44XS	Sepsis following a procedure, sequela	Diagnosis	ICD-10-CM

Sickle-Cell with Acute Chest Syndrome

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
D57.01	Hb-SS disease with acute chest syndrome	Diagnosis	ICD-10-CM
D57.211	Sickle-cell/Hb-C disease with acute chest syndrome	Diagnosis	ICD-10-CM
D57.411	Sickle-cell thalassemia with acute chest syndrome	Diagnosis	ICD-10-CM
D57.811	Other sickle-cell disorders with acute chest syndrome	Diagnosis	ICD-10-CM
Shock			
O03.31	Shock following incomplete spontaneous abortion	Diagnosis	ICD-10-CM
O03.81	Shock following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM
O04.81	Shock following (induced) termination of pregnancy	Diagnosis	ICD-10-CM
O07.31	Shock following failed attempted termination of pregnancy	Diagnosis	ICD-10-CM
O08.3	Shock following ectopic and molar pregnancy	Diagnosis	ICD-10-CM
O75.1	Shock during or following labor and delivery	Diagnosis	ICD-10-CM
R57.0	Cardiogenic shock	Diagnosis	ICD-10-CM
R57.1	Hypovolemic shock	Diagnosis	ICD-10-CM
R57.8	Other shock	Diagnosis	ICD-10-CM
R65.21	Severe sepsis with septic shock	Diagnosis	ICD-10-CM
T78.2	Anaphylactic shock, unspecified	Diagnosis	ICD-10-CM
T78.2XXA	Anaphylactic shock, unspecified, initial encounter	Diagnosis	ICD-10-CM
T78.2XXD	Anaphylactic shock, unspecified, subsequent encounter	Diagnosis	ICD-10-CM
T78.2XXS	Anaphylactic shock, unspecified, sequela	Diagnosis	ICD-10-CM
T79.4	Traumatic shock	Diagnosis	ICD-10-CM
T79.4XXA	Traumatic shock, initial encounter	Diagnosis	ICD-10-CM
T79.4XXD	Traumatic shock, subsequent encounter	Diagnosis	ICD-10-CM
T79.4XXS	Traumatic shock, sequela	Diagnosis	ICD-10-CM
T81.1	Postprocedural shock	Diagnosis	ICD-10-CM
T81.10	Postprocedural shock unspecified	Diagnosis	ICD-10-CM
T81.10XA	Postprocedural shock unspecified, initial encounter	Diagnosis	ICD-10-CM
T81.10XD	Postprocedural shock unspecified, subsequent encounter	Diagnosis	ICD-10-CM
T81.10XS	Postprocedural shock unspecified, sequela	Diagnosis	ICD-10-CM
T81.11	Postprocedural cardiogenic shock	Diagnosis	ICD-10-CM
T81.11XA	Postprocedural cardiogenic shock, initial encounter	Diagnosis	ICD-10-CM
T81.11XD	Postprocedural cardiogenic shock, subsequent encounter	Diagnosis	ICD-10-CM
T81.11XS	Postprocedural cardiogenic shock, sequela	Diagnosis	ICD-10-CM
T81.12	Postprocedural septic shock	Diagnosis	ICD-10-CM
T81.12XA	Postprocedural septic shock, initial encounter	Diagnosis	ICD-10-CM
T81.12XD	Postprocedural septic shock, subsequent encounter	Diagnosis	ICD-10-CM
T81.12XS	Postprocedural septic shock, sequela	Diagnosis	ICD-10-CM
T81.19	Other postprocedural shock	Diagnosis	ICD-10-CM
T81.19XA	Other postprocedural shock, initial encounter	Diagnosis	ICD-10-CM
T81.19XD	Other postprocedural shock, subsequent encounter	Diagnosis	ICD-10-CM
T81.19XS	Other postprocedural shock, sequela	Diagnosis	ICD-10-CM
T88.2	Shock due to anesthesia	Diagnosis	ICD-10-CM
T88.2XXA	Shock due to anesthesia, initial encounter	Diagnosis	ICD-10-CM
T88.2XXD	Shock due to anesthesia, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
T88.2XXS	Shock due to anesthesia, sequela	Diagnosis	ICD-10-CM
Transfusion			
30230H1	Transfusion of Nonautologous Whole Blood into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230J1	Transfusion of Nonautologous Serum Albumin into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230K1	Transfusion of Nonautologous Frozen Plasma into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230L1	Transfusion of Nonautologous Fresh Plasma into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230M1	Transfusion of Nonautologous Plasma Cryoprecipitate into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230N1	Transfusion of Nonautologous Red Blood Cells into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230P1	Transfusion of Nonautologous Frozen Red Cells into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230R1	Transfusion of Nonautologous Platelets into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230T1	Transfusion of Nonautologous Fibrinogen into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230V1	Transfusion of Nonautologous Antihemophilic Factors into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30230W1	Transfusion of Nonautologous Factor IX into Peripheral Vein, Open Approach	Procedure	ICD-10-CM
30233H1	Transfusion of Nonautologous Whole Blood into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233J1	Transfusion of Nonautologous Serum Albumin into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233K1	Transfusion of Nonautologous Frozen Plasma into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233L1	Transfusion of Nonautologous Fresh Plasma into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233M1	Transfusion of Nonautologous Plasma Cryoprecipitate into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233N1	Transfusion of Nonautologous Red Blood Cells into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233P1	Transfusion of Nonautologous Frozen Red Cells into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233R1	Transfusion of Nonautologous Platelets into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233T1	Transfusion of Nonautologous Fibrinogen into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233V1	Transfusion of Nonautologous Antihemophilic Factors into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30233W1	Transfusion of Nonautologous Factor IX into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-CM
30240H1	Transfusion of Nonautologous Whole Blood into Central Vein, Open Approach	Procedure	ICD-10-CM
30240J1	Transfusion of Nonautologous Serum Albumin into Central Vein, Open Approach	Procedure	ICD-10-CM
30240K1	Transfusion of Nonautologous Frozen Plasma into Central Vein, Open Approach	Procedure	ICD-10-CM
30240L1	Transfusion of Nonautologous Fresh Plasma into Central Vein, Open Approach	Procedure	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
30240M1	Transfusion of Nonautologous Plasma Cryoprecipitate into Central Vein, Open Approach	Procedure	ICD-10-CM
30240N1	Transfusion of Nonautologous Red Blood Cells into Central Vein, Open Approach	Procedure	ICD-10-CM
30240P1	Transfusion of Nonautologous Frozen Red Cells into Central Vein, Open Approach	Procedure	ICD-10-CM
30240R1	Transfusion of Nonautologous Platelets into Central Vein, Open Approach	Procedure	ICD-10-CM
30240T1	Transfusion of Nonautologous Fibrinogen into Central Vein, Open Approach	Procedure	ICD-10-CM
30240V1	Transfusion of Nonautologous Antihemophilic Factors into Central Vein, Open Approach	Procedure	ICD-10-CM
30240W1	Transfusion of Nonautologous Factor IX into Central Vein, Open Approach	Procedure	ICD-10-CM
30243H1	Transfusion of Nonautologous Whole Blood into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243J1	Transfusion of Nonautologous Serum Albumin into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243K1	Transfusion of Nonautologous Frozen Plasma into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243L1	Transfusion of Nonautologous Fresh Plasma into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243M1	Transfusion of Nonautologous Plasma Cryoprecipitate into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243N1	Transfusion of Nonautologous Red Blood Cells into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243P1	Transfusion of Nonautologous Frozen Red Cells into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243R1	Transfusion of Nonautologous Platelets into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243T1	Transfusion of Nonautologous Fibrinogen into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243V1	Transfusion of Nonautologous Antihemophilic Factors into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30243W1	Transfusion of Nonautologous Factor IX into Central Vein, Percutaneous Approach	Procedure	ICD-10-CM
30250H1	Transfusion of Nonautologous Whole Blood into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250J1	Transfusion of Nonautologous Serum Albumin into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250K1	Transfusion of Nonautologous Frozen Plasma into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250L1	Transfusion of Nonautologous Fresh Plasma into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250M1	Transfusion of Nonautologous Plasma Cryoprecipitate into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250N1	Transfusion of Nonautologous Red Blood Cells into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250P1	Transfusion of Nonautologous Frozen Red Cells into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250R1	Transfusion of Nonautologous Platelets into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250T1	Transfusion of Nonautologous Fibrinogen into Peripheral Artery, Open Approach	Procedure	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
30250V1	Transfusion of Nonautologous Antihemophilic Factors into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30250W1	Transfusion of Nonautologous Factor IX into Peripheral Artery, Open Approach	Procedure	ICD-10-CM
30253H1	Transfusion of Nonautologous Whole Blood into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253J1	Transfusion of Nonautologous Serum Albumin into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253K1	Transfusion of Nonautologous Frozen Plasma into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253L1	Transfusion of Nonautologous Fresh Plasma into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253M1	Transfusion of Nonautologous Plasma Cryoprecipitate into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253N1	Transfusion of Nonautologous Red Blood Cells into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253P1	Transfusion of Nonautologous Frozen Red Cells into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253R1	Transfusion of Nonautologous Platelets into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253T1	Transfusion of Nonautologous Fibrinogen into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253V1	Transfusion of Nonautologous Antihemophilic Factors into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30253W1	Transfusion of Nonautologous Factor IX into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-CM
30260H1	Transfusion of Nonautologous Whole Blood into Central Artery, Open Approach	Procedure	ICD-10-CM
30260J1	Transfusion of Nonautologous Serum Albumin into Central Artery, Open Approach	Procedure	ICD-10-CM
30260K1	Transfusion of Nonautologous Frozen Plasma into Central Artery, Open Approach	Procedure	ICD-10-CM
30260L1	Transfusion of Nonautologous Fresh Plasma into Central Artery, Open Approach	Procedure	ICD-10-CM
30260M1	Transfusion of Nonautologous Plasma Cryoprecipitate into Central Artery, Open Approach	Procedure	ICD-10-CM
30260N1	Transfusion of Nonautologous Red Blood Cells into Central Artery, Open Approach	Procedure	ICD-10-CM
30260P1	Transfusion of Nonautologous Frozen Red Cells into Central Artery, Open Approach	Procedure	ICD-10-CM
30260R1	Transfusion of Nonautologous Platelets into Central Artery, Open Approach	Procedure	ICD-10-CM
30260T1	Transfusion of Nonautologous Fibrinogen into Central Artery, Open Approach	Procedure	ICD-10-CM
30260V1	Transfusion of Nonautologous Antihemophilic Factors into Central Artery, Open Approach	Procedure	ICD-10-CM
30260W1	Transfusion of Nonautologous Factor IX into Central Artery, Open Approach	Procedure	ICD-10-CM
30263H1	Transfusion of Nonautologous Whole Blood into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263J1	Transfusion of Nonautologous Serum Albumin into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
30263K1	Transfusion of Nonautologous Frozen Plasma into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263L1	Transfusion of Nonautologous Fresh Plasma into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263M1	Transfusion of Nonautologous Plasma Cryoprecipitate into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263N1	Transfusion of Nonautologous Red Blood Cells into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263P1	Transfusion of Nonautologous Frozen Red Cells into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263R1	Transfusion of Nonautologous Platelets into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263T1	Transfusion of Nonautologous Fibrinogen into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263V1	Transfusion of Nonautologous Antihemophilic Factors into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
30263W1	Transfusion of Nonautologous Factor IX into Central Artery, Percutaneous Approach	Procedure	ICD-10-CM
6A550Z3	Pheresis of Plasma, Single	Procedure	ICD-10-CM
6A551Z3	Pheresis of Plasma, Multiple	Procedure	ICD-10-CM
Trauma			
S72.011B	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.011C	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.012B	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.012C	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.019B	Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.019C	Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.021B	Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.021C	Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.022B	Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.022C	Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.023B	Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.023C	Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.024B	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.024C	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.025B	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.025C	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.026B	Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.026C	Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.031B	Displaced midcervical fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.031C	Displaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.032B	Displaced midcervical fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.032C	Displaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.033B	Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.033C	Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.034B	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.034C	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.035B	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.035C	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.036B	Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.036C	Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.041B	Displaced fracture of base of neck of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.041C	Displaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.042B	Displaced fracture of base of neck of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.042C	Displaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.043B	Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.043C	Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.044B	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.044C	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.045B	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.045C	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.046B	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.046C	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.051B	Unspecified fracture of head of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.051C	Unspecified fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.052B	Unspecified fracture of head of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.052C	Unspecified fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.059B	Unspecified fracture of head of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.059C	Unspecified fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.061B	Displaced articular fracture of head of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.061C	Displaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.062B	Displaced articular fracture of head of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.062C	Displaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.063B	Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.063C	Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.064B	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.064C	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.065B	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.065C	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.066B	Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.066C	Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.091B	Other fracture of head and neck of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.091C	Other fracture of head and neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.092B	Other fracture of head and neck of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.092C	Other fracture of head and neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.099B	Other fracture of head and neck of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.099C	Other fracture of head and neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.101B	Unspecified trochanteric fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.101C	Unspecified trochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.102B	Unspecified trochanteric fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.102C	Unspecified trochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.109B	Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.109C	Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.111B	Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.111C	Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.112B	Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.112C	Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.113B	Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.113C	Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.114B	Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.114C	Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.115B	Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.115C	Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.116B	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.116C	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.121B	Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.121C	Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.122B	Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.122C	Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.123B	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.123C	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.124B	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.124C	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.125B	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.125C	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.126B	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.126C	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.131B	Displaced apophyseal fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.131C	Displaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.132B	Displaced apophyseal fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.132C	Displaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.133B	Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.133C	Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.134B	Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.134C	Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.135B	Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.135C	Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.136B	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.136C	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.141B	Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.141C	Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.142B	Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.142C	Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.143B	Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.143C	Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.144B	Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.144C	Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.145B	Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.145C	Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.146B	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.146C	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.21XB	Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.21XC	Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.22XB	Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.22XC	Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.23XB	Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.23XC	Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.24XB	Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.24XC	Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.25XB	Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.25XC	Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.26XB	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.26XC	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.301B	Unspecified fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.301C	Unspecified fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.302B	Unspecified fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.302C	Unspecified fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.309B	Unspecified fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.309C	Unspecified fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.321B	Displaced transverse fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.321C	Displaced transverse fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.322B	Displaced transverse fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.322C	Displaced transverse fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.323B	Displaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.323C	Displaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.324B	Nondisplaced transverse fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.324C	Nondisplaced transverse fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.325B	Nondisplaced transverse fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.325C	Nondisplaced transverse fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.326B	Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.326C	Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.331B	Displaced oblique fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.331C	Displaced oblique fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.332B	Displaced oblique fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.332C	Displaced oblique fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.333B	Displaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.333C	Displaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.334B	Nondisplaced oblique fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.334C	Nondisplaced oblique fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.335B	Nondisplaced oblique fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.335C	Nondisplaced oblique fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.336B	Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.336C	Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.341B	Displaced spiral fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.341C	Displaced spiral fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.342B	Displaced spiral fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.342C	Displaced spiral fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.343B	Displaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.343C	Displaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.344B	Nondisplaced spiral fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.344C	Nondisplaced spiral fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.345B	Nondisplaced spiral fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.345C	Nondisplaced spiral fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.346B	Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.346C	Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.351B	Displaced comminuted fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.351C	Displaced comminuted fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.352B	Displaced comminuted fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.352C	Displaced comminuted fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.353B	Displaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.353C	Displaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.354B	Nondisplaced comminuted fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.354C	Nondisplaced comminuted fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.355B	Nondisplaced comminuted fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.355C	Nondisplaced comminuted fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.356B	Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.356C	Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.361B	Displaced segmental fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.361C	Displaced segmental fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.362B	Displaced segmental fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.362C	Displaced segmental fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.363B	Displaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.363C	Displaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.364B	Nondisplaced segmental fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.364C	Nondisplaced segmental fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.365B	Nondisplaced segmental fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.365C	Nondisplaced segmental fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.366B	Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.366C	Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.391B	Other fracture of shaft of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.391C	Other fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.392B	Other fracture of shaft of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S72.392C	Other fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.399B	Other fracture of shaft of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.399C	Other fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.8X1B	Other fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.8X1C	Other fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.8X2B	Other fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.8X2C	Other fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.8X9B	Other fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.8X9C	Other fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.90XB	Unspecified fracture of unspecified femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.90XC	Unspecified fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.91XB	Unspecified fracture of right femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.91XC	Unspecified fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S72.92XB	Unspecified fracture of left femur, initial encounter for open fracture type I or II	Diagnosis	ICD-10-CM
S72.92XC	Unspecified fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	Diagnosis	ICD-10-CM
S42.201B	Unspecified fracture of upper end of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.202B	Unspecified fracture of upper end of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.209B	Unspecified fracture of upper end of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.211B	Unspecified displaced fracture of surgical neck of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.212B	Unspecified displaced fracture of surgical neck of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.213B	Unspecified displaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.214B	Unspecified nondisplaced fracture of surgical neck of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.215B	Unspecified nondisplaced fracture of surgical neck of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.216B	Unspecified nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.221B	2-part displaced fracture of surgical neck of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S42.222B	2-part displaced fracture of surgical neck of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.223B	2-part displaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.224B	2-part nondisplaced fracture of surgical neck of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.225B	2-part nondisplaced fracture of surgical neck of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.226B	2-part nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.231B	3-part fracture of surgical neck of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.232B	3-part fracture of surgical neck of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.239B	3-part fracture of surgical neck of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.241B	4-part fracture of surgical neck of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.242B	4-part fracture of surgical neck of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.249B	4-part fracture of surgical neck of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.251B	Displaced fracture of greater tuberosity of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.252B	Displaced fracture of greater tuberosity of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.253B	Displaced fracture of greater tuberosity of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.254B	Nondisplaced fracture of greater tuberosity of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.255B	Nondisplaced fracture of greater tuberosity of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.256B	Nondisplaced fracture of greater tuberosity of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.261B	Displaced fracture of lesser tuberosity of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.262B	Displaced fracture of lesser tuberosity of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.263B	Displaced fracture of lesser tuberosity of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.264B	Nondisplaced fracture of lesser tuberosity of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.265B	Nondisplaced fracture of lesser tuberosity of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.266B	Nondisplaced fracture of lesser tuberosity of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S42.291B	Other displaced fracture of upper end of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.292B	Other displaced fracture of upper end of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.293B	Other displaced fracture of upper end of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.294B	Other nondisplaced fracture of upper end of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.295B	Other nondisplaced fracture of upper end of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.296B	Other nondisplaced fracture of upper end of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.301B	Unspecified fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.302B	Unspecified fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.309B	Unspecified fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.321B	Displaced transverse fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.322B	Displaced transverse fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.323B	Displaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.324B	Nondisplaced transverse fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.325B	Nondisplaced transverse fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.326B	Nondisplaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.331B	Displaced oblique fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.332B	Displaced oblique fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.333B	Displaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.334B	Nondisplaced oblique fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.335B	Nondisplaced oblique fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.336B	Nondisplaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S42.341B	Displaced spiral fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.342B	Displaced spiral fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.343B	Displaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.344B	Nondisplaced spiral fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.345B	Nondisplaced spiral fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.346B	Nondisplaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.351B	Displaced comminuted fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.352B	Displaced comminuted fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.353B	Displaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.354B	Nondisplaced comminuted fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.355B	Nondisplaced comminuted fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.356B	Nondisplaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.361B	Displaced segmental fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.362B	Displaced segmental fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.363B	Displaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.364B	Nondisplaced segmental fracture of shaft of humerus, right arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.365B	Nondisplaced segmental fracture of shaft of humerus, left arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.366B	Nondisplaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.391B	Other fracture of shaft of right humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.392B	Other fracture of shaft of left humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.399B	Other fracture of shaft of unspecified humerus, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.90XB	Fracture of unspecified shoulder girdle, part unspecified, initial encounter for open fracture	Diagnosis	ICD-10-CM
S42.91XB	Fracture of right shoulder girdle, part unspecified, initial encounter for open fracture	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S42.92XB	Fracture of left shoulder girdle, part unspecified, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.000A	Unspecified displaced fracture of first cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.000B	Unspecified displaced fracture of first cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.001A	Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.001B	Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.100A	Unspecified displaced fracture of second cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.100B	Unspecified displaced fracture of second cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.101A	Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.101B	Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.200A	Unspecified displaced fracture of third cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.200B	Unspecified displaced fracture of third cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.201A	Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.201B	Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.300A	Unspecified displaced fracture of fourth cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.300B	Unspecified displaced fracture of fourth cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.301A	Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.301B	Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.400A	Unspecified displaced fracture of fifth cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.400B	Unspecified displaced fracture of fifth cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.401A	Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.401B	Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.500A	Unspecified displaced fracture of sixth cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S12.500B	Unspecified displaced fracture of sixth cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.501A	Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.501B	Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.600A	Unspecified displaced fracture of seventh cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.600B	Unspecified displaced fracture of seventh cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.601A	Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S12.601B	Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S12.9XXA	Fracture of neck, unspecified, initial encounter	Diagnosis	ICD-10-CM
S14.101A	Unspecified injury at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.102A	Unspecified injury at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.103A	Unspecified injury at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.104A	Unspecified injury at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.105A	Unspecified injury at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.106A	Unspecified injury at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.107A	Unspecified injury at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.109A	Unspecified injury at unspecified level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.111A	Complete lesion at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.112A	Complete lesion at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.113A	Complete lesion at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.114A	Complete lesion at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.115A	Complete lesion at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.116A	Complete lesion at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.117A	Complete lesion at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.121A	Central cord syndrome at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.122A	Central cord syndrome at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.123A	Central cord syndrome at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.124A	Central cord syndrome at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.125A	Central cord syndrome at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.126A	Central cord syndrome at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.127A	Central cord syndrome at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.131A	Anterior cord syndrome at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.132A	Anterior cord syndrome at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.133A	Anterior cord syndrome at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.134A	Anterior cord syndrome at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.135A	Anterior cord syndrome at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.136A	Anterior cord syndrome at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S14.137A	Anterior cord syndrome at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.151A	Other incomplete lesion at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.152A	Other incomplete lesion at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.153A	Other incomplete lesion at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.154A	Other incomplete lesion at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.155A	Other incomplete lesion at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.156A	Other incomplete lesion at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.157A	Other incomplete lesion at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S22.009A	Unspecified fracture of unspecified thoracic vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.009B	Unspecified fracture of unspecified thoracic vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S22.019A	Unspecified fracture of first thoracic vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.019B	Unspecified fracture of first thoracic vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S22.029A	Unspecified fracture of second thoracic vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.029B	Unspecified fracture of second thoracic vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S22.039A	Unspecified fracture of third thoracic vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.039B	Unspecified fracture of third thoracic vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S22.049A	Unspecified fracture of fourth thoracic vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.049B	Unspecified fracture of fourth thoracic vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S22.059A	Unspecified fracture of T5-T6 vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.059B	Unspecified fracture of T5-T6 vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S22.069A	Unspecified fracture of T7-T8 vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.069B	Unspecified fracture of T7-T8 vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S22.079A	Unspecified fracture of T9-T10 vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.079B	Unspecified fracture of T9-T10 vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S22.089A	Unspecified fracture of T11-T12 vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S22.089B	Unspecified fracture of T11-T12 vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S24.101A	Unspecified injury at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.102A	Unspecified injury at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.103A	Unspecified injury at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.104A	Unspecified injury at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.109A	Unspecified injury at unspecified level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.111A	Complete lesion at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.112A	Complete lesion at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.113A	Complete lesion at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.114A	Complete lesion at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.131A	Anterior cord syndrome at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.132A	Anterior cord syndrome at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.133A	Anterior cord syndrome at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.134A	Anterior cord syndrome at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.151A	Other incomplete lesion at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S24.152A	Other incomplete lesion at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.153A	Other incomplete lesion at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.154A	Other incomplete lesion at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S32.009A	Unspecified fracture of unspecified lumbar vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S32.009B	Unspecified fracture of unspecified lumbar vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S32.019A	Unspecified fracture of first lumbar vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S32.019B	Unspecified fracture of first lumbar vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S32.029A	Unspecified fracture of second lumbar vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S32.029B	Unspecified fracture of second lumbar vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S32.039A	Unspecified fracture of third lumbar vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S32.039B	Unspecified fracture of third lumbar vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S32.049A	Unspecified fracture of fourth lumbar vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S32.049B	Unspecified fracture of fourth lumbar vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S32.059A	Unspecified fracture of fifth lumbar vertebra, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S32.059B	Unspecified fracture of fifth lumbar vertebra, initial encounter for open fracture	Diagnosis	ICD-10-CM
S32.10XA	Unspecified fracture of sacrum, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S32.10XB	Unspecified fracture of sacrum, initial encounter for open fracture	Diagnosis	ICD-10-CM
S32.2XXA	Fracture of coccyx, initial encounter for closed fracture	Diagnosis	ICD-10-CM
S32.2XXB	Fracture of coccyx, initial encounter for open fracture	Diagnosis	ICD-10-CM
S34.101A	Unspecified injury to L1 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.102A	Unspecified injury to L2 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.103A	Unspecified injury to L3 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.104A	Unspecified injury to L4 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.105A	Unspecified injury to L5 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.109A	Unspecified injury to unspecified level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.111A	Complete lesion of L1 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.112A	Complete lesion of L2 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.113A	Complete lesion of L3 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.114A	Complete lesion of L4 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.115A	Complete lesion of L5 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.119A	Complete lesion of unspecified level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.121A	Incomplete lesion of L1 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.122A	Incomplete lesion of L2 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.123A	Incomplete lesion of L3 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.124A	Incomplete lesion of L4 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.125A	Incomplete lesion of L5 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.129A	Incomplete lesion of unspecified level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.131A	Complete lesion of sacral spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.132A	Incomplete lesion of sacral spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.139A	Unspecified injury to sacral spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.3XXA	Injury of cauda equina, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S01.90XA	Unspecified open wound of unspecified part of head, initial encounter	Diagnosis	ICD-10-CM
S06.0X0A	Concussion without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.0X1A	Concussion with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.0X9A	Concussion with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.1X0A	Traumatic cerebral edema without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.1X1A	Traumatic cerebral edema with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.1X2A	Traumatic cerebral edema with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.1X3A	Traumatic cerebral edema with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.1X4A	Traumatic cerebral edema with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.1X5A	Traumatic cerebral edema with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.1X6A	Traumatic cerebral edema with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.1X7A	Traumatic cerebral edema with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.1X8A	Traumatic cerebral edema with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.1X9A	Traumatic cerebral edema with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.2X0A	Diffuse traumatic brain injury without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.2X1A	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.2X2A	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.2X3A	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.2X4A	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.2X5A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, initial encounter	Diagnosis	ICD-10-CM
S06.2X6A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.2X7A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.2X8A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.2X9A	Diffuse traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.300A	Unspecified focal traumatic brain injury without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.301A	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.302A	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.303A	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.304A	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.305A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.306A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.307A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.308A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.309A	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.310A	Contusion and laceration of right cerebrum without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.311A	Contusion and laceration of right cerebrum with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.312A	Contusion and laceration of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.313A	Contusion and laceration of right cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.314A	Contusion and laceration of right cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.315A	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.316A	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.317A	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.318A	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.319A	Contusion and laceration of right cerebrum with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.320A	Contusion and laceration of left cerebrum without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.321A	Contusion and laceration of left cerebrum with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.322A	Contusion and laceration of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.323A	Contusion and laceration of left cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.324A	Contusion and laceration of left cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.325A	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.326A	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.327A	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.328A	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.329A	Contusion and laceration of left cerebrum with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.330A	Contusion and laceration of cerebrum, unspecified, without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.331A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.332A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.333A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.334A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.335A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.336A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.337A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.338A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.339A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.340A	Traumatic hemorrhage of right cerebrum without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.341A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.342A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.343A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.344A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.345A	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.346A	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.347A	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.348A	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.349A	Traumatic hemorrhage of right cerebrum with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.350A	Traumatic hemorrhage of left cerebrum without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.351A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.352A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.353A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.354A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.355A	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.356A	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.357A	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.358A	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.359A	Traumatic hemorrhage of left cerebrum with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.360A	Traumatic hemorrhage of cerebrum, unspecified, without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.361A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.362A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.363A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.364A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.365A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.366A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.367A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.368A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.369A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.370A	Contusion, laceration, and hemorrhage of cerebellum without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.371A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.372A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.373A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.374A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.375A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.376A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.377A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.378A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.379A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.380A	Contusion, laceration, and hemorrhage of brainstem without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.381A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.382A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.383A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.384A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.385A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.386A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.387A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.388A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.389A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.4X0A	Epidural hemorrhage without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.4X1A	Epidural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.4X2A	Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.4X3A	Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.4X4A	Epidural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.4X5A	Epidural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.4X6A	Epidural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.4X7A	Epidural hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.4X8A	Epidural hemorrhage with loss of consciousness of any duration with death due to other causes prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.4X9A	Epidural hemorrhage with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.5X0A	Traumatic subdural hemorrhage without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.5X1A	Traumatic subdural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.5X2A	Traumatic subdural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.5X3A	Traumatic subdural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.5X4A	Traumatic subdural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.5X5A	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.5X6A	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.5X7A	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to brain injury before regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.5X8A	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to other cause before regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.5X9A	Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.6X0A	Traumatic subarachnoid hemorrhage without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.6X1A	Traumatic subarachnoid hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.6X2A	Traumatic subarachnoid hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.6X3A	Traumatic subarachnoid hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.6X4A	Traumatic subarachnoid hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.6X5A	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.6X6A	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.6X7A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.6X8A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.6X9A	Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.810A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.811A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.812A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.813A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.814A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.815A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.816A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.817A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.818A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.819A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.820A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.821A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.822A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.823A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.824A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.825A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.826A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.827A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.828A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.829A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.890A	Other specified intracranial injury without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.891A	Other specified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.892A	Other specified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.893A	Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.894A	Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.895A	Other specified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.896A	Other specified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.897A	Other specified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.898A	Other specified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.899A	Other specified intracranial injury with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06.9X0A	Unspecified intracranial injury without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.9X1A	Unspecified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06.9X2A	Unspecified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06.9X3A	Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S06.9X4A	Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06.9X5A	Unspecified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06.9X6A	Unspecified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06.9X7A	Unspecified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.9X8A	Unspecified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06.9X9A	Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S21.301A	Unspecified open wound of right front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.302A	Unspecified open wound of left front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.309A	Unspecified open wound of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.311A	Laceration without foreign body of right front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.312A	Laceration without foreign body of left front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.319A	Laceration without foreign body of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.321A	Laceration with foreign body of right front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.322A	Laceration with foreign body of left front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.329A	Laceration with foreign body of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.331A	Puncture wound without foreign body of right front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.332A	Puncture wound without foreign body of left front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.339A	Puncture wound without foreign body of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.341A	Puncture wound with foreign body of right front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.342A	Puncture wound with foreign body of left front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.349A	Puncture wound with foreign body of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S21.351A	Open bite of right front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.352A	Open bite of left front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.359A	Open bite of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.401A	Unspecified open wound of right back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.402A	Unspecified open wound of left back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.409A	Unspecified open wound of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.411A	Laceration without foreign body of right back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.412A	Laceration without foreign body of left back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.419A	Laceration without foreign body of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.421A	Laceration with foreign body of right back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.422A	Laceration with foreign body of left back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.429A	Laceration with foreign body of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.431A	Puncture wound without foreign body of right back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.432A	Puncture wound without foreign body of left back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.439A	Puncture wound without foreign body of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.441A	Puncture wound with foreign body of right back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.442A	Puncture wound with foreign body of left back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.449A	Puncture wound with foreign body of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.451A	Open bite of right back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.452A	Open bite of left back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S21.459A	Open bite of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	Diagnosis	ICD-10-CM
S26.00XA	Unspecified injury of heart with hemopericardium, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S26.01XA	Contusion of heart with hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.020A	Mild laceration of heart with hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.021A	Moderate laceration of heart with hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.022A	Major laceration of heart with hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.09XA	Other injury of heart with hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.10XA	Unspecified injury of heart without hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.11XA	Contusion of heart without hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.12XA	Laceration of heart without hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.19XA	Other injury of heart without hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.90XA	Unspecified injury of heart, unspecified with or without hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.91XA	Contusion of heart, unspecified with or without hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.92XA	Laceration of heart, unspecified with or without hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S26.99XA	Other injury of heart, unspecified with or without hemopericardium, initial encounter	Diagnosis	ICD-10-CM
S27.0XXA	Traumatic pneumothorax, initial encounter	Diagnosis	ICD-10-CM
S27.1XXA	Traumatic hemothorax, initial encounter	Diagnosis	ICD-10-CM
S27.2XXA	Traumatic hemopneumothorax, initial encounter	Diagnosis	ICD-10-CM
S27.301A	Unspecified injury of lung, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.302A	Unspecified injury of lung, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.309A	Unspecified injury of lung, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.311A	Primary blast injury of lung, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.312A	Primary blast injury of lung, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.319A	Primary blast injury of lung, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.321A	Contusion of lung, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.322A	Contusion of lung, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.329A	Contusion of lung, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.331A	Laceration of lung, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.332A	Laceration of lung, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.339A	Laceration of lung, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.391A	Other injuries of lung, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.392A	Other injuries of lung, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.399A	Other injuries of lung, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.401A	Unspecified injury of bronchus, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.402A	Unspecified injury of bronchus, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.409A	Unspecified injury of bronchus, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.411A	Primary blast injury of bronchus, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.412A	Primary blast injury of bronchus, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.419A	Primary blast injury of bronchus, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.421A	Contusion of bronchus, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.422A	Contusion of bronchus, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.429A	Contusion of bronchus, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.431A	Laceration of bronchus, unilateral, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S27.432A	Laceration of bronchus, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.439A	Laceration of bronchus, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.491A	Other injury of bronchus, unilateral, initial encounter	Diagnosis	ICD-10-CM
S27.492A	Other injury of bronchus, bilateral, initial encounter	Diagnosis	ICD-10-CM
S27.499A	Other injury of bronchus, unspecified, initial encounter	Diagnosis	ICD-10-CM
S27.50XA	Unspecified injury of thoracic trachea, initial encounter	Diagnosis	ICD-10-CM
S27.51XA	Primary blast injury of thoracic trachea, initial encounter	Diagnosis	ICD-10-CM
S27.52XA	Contusion of thoracic trachea, initial encounter	Diagnosis	ICD-10-CM
S27.53XA	Laceration of thoracic trachea, initial encounter	Diagnosis	ICD-10-CM
S27.59XA	Other injury of thoracic trachea, initial encounter	Diagnosis	ICD-10-CM
S27.60XA	Unspecified injury of pleura, initial encounter	Diagnosis	ICD-10-CM
S27.63XA	Laceration of pleura, initial encounter	Diagnosis	ICD-10-CM
S27.69XA	Other injury of pleura, initial encounter	Diagnosis	ICD-10-CM
S27.802A	Contusion of diaphragm, initial encounter	Diagnosis	ICD-10-CM
S27.803A	Laceration of diaphragm, initial encounter	Diagnosis	ICD-10-CM
S27.808A	Other injury of diaphragm, initial encounter	Diagnosis	ICD-10-CM
S27.809A	Unspecified injury of diaphragm, initial encounter	Diagnosis	ICD-10-CM
S27.812A	Contusion of esophagus (thoracic part), initial encounter	Diagnosis	ICD-10-CM
S27.813A	Laceration of esophagus (thoracic part), initial encounter	Diagnosis	ICD-10-CM
S27.818A	Other injury of esophagus (thoracic part), initial encounter	Diagnosis	ICD-10-CM
S27.819A	Unspecified injury of esophagus (thoracic part), initial encounter	Diagnosis	ICD-10-CM
S27.892A	Contusion of other specified intrathoracic organs, initial encounter	Diagnosis	ICD-10-CM
S27.893A	Laceration of other specified intrathoracic organs, initial encounter	Diagnosis	ICD-10-CM
S27.898A	Other injury of other specified intrathoracic organs, initial encounter	Diagnosis	ICD-10-CM
S27.899A	Unspecified injury of other specified intrathoracic organs, initial encounter	Diagnosis	ICD-10-CM
S27.9XXA	Injury of unspecified intrathoracic organ, initial encounter	Diagnosis	ICD-10-CM
S31.001A	Unspecified open wound of lower back and pelvis with penetration into retroperitoneum, initial encounter	Diagnosis	ICD-10-CM
S31.011A	Laceration without foreign body of lower back and pelvis with penetration into retroperitoneum, initial encounter	Diagnosis	ICD-10-CM
S31.021A	Laceration with foreign body of lower back and pelvis with penetration into retroperitoneum, initial encounter	Diagnosis	ICD-10-CM
S31.031A	Puncture wound without foreign body of lower back and pelvis with penetration into retroperitoneum, initial encounter	Diagnosis	ICD-10-CM
S31.041A	Puncture wound with foreign body of lower back and pelvis with penetration into retroperitoneum, initial encounter	Diagnosis	ICD-10-CM
S31.051A	Open bite of lower back and pelvis with penetration into retroperitoneum, initial encounter	Diagnosis	ICD-10-CM
S31.600A	Unspecified open wound of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.601A	Unspecified open wound of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S31.602A	Unspecified open wound of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.603A	Unspecified open wound of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.604A	Unspecified open wound of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.605A	Unspecified open wound of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.609A	Unspecified open wound of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.610A	Laceration without foreign body of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.611A	Laceration without foreign body of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.612A	Laceration without foreign body of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.613A	Laceration without foreign body of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.614A	Laceration without foreign body of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.615A	Laceration without foreign body of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.619A	Laceration without foreign body of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.620A	Laceration with foreign body of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.621A	Laceration with foreign body of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.622A	Laceration with foreign body of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.623A	Laceration with foreign body of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.624A	Laceration with foreign body of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.625A	Laceration with foreign body of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.629A	Laceration with foreign body of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.630A	Puncture wound without foreign body of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.631A	Puncture wound without foreign body of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S31.632A	Puncture wound without foreign body of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.633A	Puncture wound without foreign body of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.634A	Puncture wound without foreign body of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.635A	Puncture wound without foreign body of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.639A	Puncture wound without foreign body of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.640A	Puncture wound with foreign body of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.641A	Puncture wound with foreign body of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.642A	Puncture wound with foreign body of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.643A	Puncture wound with foreign body of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.644A	Puncture wound with foreign body of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.645A	Puncture wound with foreign body of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.649A	Puncture wound with foreign body of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.650A	Open bite of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.651A	Open bite of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.652A	Open bite of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.653A	Open bite of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.654A	Open bite of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.655A	Open bite of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S31.659A	Open bite of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	Diagnosis	ICD-10-CM
S36.00XA	Unspecified injury of spleen, initial encounter	Diagnosis	ICD-10-CM
S36.020A	Minor contusion of spleen, initial encounter	Diagnosis	ICD-10-CM
S36.021A	Major contusion of spleen, initial encounter	Diagnosis	ICD-10-CM
S36.029A	Unspecified contusion of spleen, initial encounter	Diagnosis	ICD-10-CM
S36.030A	Superficial (capsular) laceration of spleen, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S36.031A	Moderate laceration of spleen, initial encounter	Diagnosis	ICD-10-CM
S36.032A	Major laceration of spleen, initial encounter	Diagnosis	ICD-10-CM
S36.039A	Unspecified laceration of spleen, initial encounter	Diagnosis	ICD-10-CM
S36.09XA	Other injury of spleen, initial encounter	Diagnosis	ICD-10-CM
S36.112A	Contusion of liver, initial encounter	Diagnosis	ICD-10-CM
S36.113A	Laceration of liver, unspecified degree, initial encounter	Diagnosis	ICD-10-CM
S36.114A	Minor laceration of liver, initial encounter	Diagnosis	ICD-10-CM
S36.115A	Moderate laceration of liver, initial encounter	Diagnosis	ICD-10-CM
S36.116A	Major laceration of liver, initial encounter	Diagnosis	ICD-10-CM
S36.118A	Other injury of liver, initial encounter	Diagnosis	ICD-10-CM
S36.119A	Unspecified injury of liver, initial encounter	Diagnosis	ICD-10-CM
S36.122A	Contusion of gallbladder, initial encounter	Diagnosis	ICD-10-CM
S36.123A	Laceration of gallbladder, initial encounter	Diagnosis	ICD-10-CM
S36.128A	Other injury of gallbladder, initial encounter	Diagnosis	ICD-10-CM
S36.129A	Unspecified injury of gallbladder, initial encounter	Diagnosis	ICD-10-CM
S36.13XA	Injury of bile duct, initial encounter	Diagnosis	ICD-10-CM
S36.200A	Unspecified injury of head of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.201A	Unspecified injury of body of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.202A	Unspecified injury of tail of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.209A	Unspecified injury of unspecified part of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.220A	Contusion of head of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.221A	Contusion of body of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.222A	Contusion of tail of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.229A	Contusion of unspecified part of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.230A	Laceration of head of pancreas, unspecified degree, initial encounter	Diagnosis	ICD-10-CM
S36.231A	Laceration of body of pancreas, unspecified degree, initial encounter	Diagnosis	ICD-10-CM
S36.232A	Laceration of tail of pancreas, unspecified degree, initial encounter	Diagnosis	ICD-10-CM
S36.239A	Laceration of unspecified part of pancreas, unspecified degree, initial encounter	Diagnosis	ICD-10-CM
S36.240A	Minor laceration of head of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.241A	Minor laceration of body of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.242A	Minor laceration of tail of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.249A	Minor laceration of unspecified part of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.250A	Moderate laceration of head of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.251A	Moderate laceration of body of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.252A	Moderate laceration of tail of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.259A	Moderate laceration of unspecified part of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.260A	Major laceration of head of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.261A	Major laceration of body of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.262A	Major laceration of tail of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.269A	Major laceration of unspecified part of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.290A	Other injury of head of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.291A	Other injury of body of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.292A	Other injury of tail of pancreas, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S36.299A	Other injury of unspecified part of pancreas, initial encounter	Diagnosis	ICD-10-CM
S36.30XA	Unspecified injury of stomach, initial encounter	Diagnosis	ICD-10-CM
S36.32XA	Contusion of stomach, initial encounter	Diagnosis	ICD-10-CM
S36.33XA	Laceration of stomach, initial encounter	Diagnosis	ICD-10-CM
S36.39XA	Other injury of stomach, initial encounter	Diagnosis	ICD-10-CM
S36.400A	Unspecified injury of duodenum, initial encounter	Diagnosis	ICD-10-CM
S36.408A	Unspecified injury of other part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.409A	Unspecified injury of unspecified part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.410A	Primary blast injury of duodenum, initial encounter	Diagnosis	ICD-10-CM
S36.418A	Primary blast injury of other part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.419A	Primary blast injury of unspecified part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.420A	Contusion of duodenum, initial encounter	Diagnosis	ICD-10-CM
S36.428A	Contusion of other part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.429A	Contusion of unspecified part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.430A	Laceration of duodenum, initial encounter	Diagnosis	ICD-10-CM
S36.438A	Laceration of other part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.439A	Laceration of unspecified part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.490A	Other injury of duodenum, initial encounter	Diagnosis	ICD-10-CM
S36.498A	Other injury of other part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.499A	Other injury of unspecified part of small intestine, initial encounter	Diagnosis	ICD-10-CM
S36.500A	Unspecified injury of ascending [right] colon, initial encounter	Diagnosis	ICD-10-CM
S36.501A	Unspecified injury of transverse colon, initial encounter	Diagnosis	ICD-10-CM
S36.502A	Unspecified injury of descending [left] colon, initial encounter	Diagnosis	ICD-10-CM
S36.503A	Unspecified injury of sigmoid colon, initial encounter	Diagnosis	ICD-10-CM
S36.508A	Unspecified injury of other part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.509A	Unspecified injury of unspecified part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.510A	Primary blast injury of ascending [right] colon, initial encounter	Diagnosis	ICD-10-CM
S36.511A	Primary blast injury of transverse colon, initial encounter	Diagnosis	ICD-10-CM
S36.512A	Primary blast injury of descending [left] colon, initial encounter	Diagnosis	ICD-10-CM
S36.513A	Primary blast injury of sigmoid colon, initial encounter	Diagnosis	ICD-10-CM
S36.518A	Primary blast injury of other part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.519A	Primary blast injury of unspecified part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.520A	Contusion of ascending [right] colon, initial encounter	Diagnosis	ICD-10-CM
S36.521A	Contusion of transverse colon, initial encounter	Diagnosis	ICD-10-CM
S36.522A	Contusion of descending [left] colon, initial encounter	Diagnosis	ICD-10-CM
S36.523A	Contusion of sigmoid colon, initial encounter	Diagnosis	ICD-10-CM
S36.528A	Contusion of other part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.529A	Contusion of unspecified part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.530A	Laceration of ascending [right] colon, initial encounter	Diagnosis	ICD-10-CM
S36.531A	Laceration of transverse colon, initial encounter	Diagnosis	ICD-10-CM
S36.532A	Laceration of descending [left] colon, initial encounter	Diagnosis	ICD-10-CM
S36.533A	Laceration of sigmoid colon, initial encounter	Diagnosis	ICD-10-CM
S36.538A	Laceration of other part of colon, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S36.539A	Laceration of unspecified part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.590A	Other injury of ascending [right] colon, initial encounter	Diagnosis	ICD-10-CM
S36.591A	Other injury of transverse colon, initial encounter	Diagnosis	ICD-10-CM
S36.592A	Other injury of descending [left] colon, initial encounter	Diagnosis	ICD-10-CM
S36.593A	Other injury of sigmoid colon, initial encounter	Diagnosis	ICD-10-CM
S36.598A	Other injury of other part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.599A	Other injury of unspecified part of colon, initial encounter	Diagnosis	ICD-10-CM
S36.60XA	Unspecified injury of rectum, initial encounter	Diagnosis	ICD-10-CM
S36.61XA	Primary blast injury of rectum, initial encounter	Diagnosis	ICD-10-CM
S36.62XA	Contusion of rectum, initial encounter	Diagnosis	ICD-10-CM
S36.63XA	Laceration of rectum, initial encounter	Diagnosis	ICD-10-CM
S36.69XA	Other injury of rectum, initial encounter	Diagnosis	ICD-10-CM
S36.81XA	Injury of peritoneum, initial encounter	Diagnosis	ICD-10-CM
S36.892A	Contusion of other intra-abdominal organs, initial encounter	Diagnosis	ICD-10-CM
S36.893A	Laceration of other intra-abdominal organs, initial encounter	Diagnosis	ICD-10-CM
S36.898A	Other injury of other intra-abdominal organs, initial encounter	Diagnosis	ICD-10-CM
S36.899A	Unspecified injury of other intra-abdominal organs, initial encounter	Diagnosis	ICD-10-CM
S36.90XA	Unspecified injury of unspecified intra-abdominal organ, initial encounter	Diagnosis	ICD-10-CM
S36.92XA	Contusion of unspecified intra-abdominal organ, initial encounter	Diagnosis	ICD-10-CM
S36.93XA	Laceration of unspecified intra-abdominal organ, initial encounter	Diagnosis	ICD-10-CM
S36.99XA	Other injury of unspecified intra-abdominal organ, initial encounter	Diagnosis	ICD-10-CM
S37.001A	Unspecified injury of right kidney, initial encounter	Diagnosis	ICD-10-CM
S37.002A	Unspecified injury of left kidney, initial encounter	Diagnosis	ICD-10-CM
S37.009A	Unspecified injury of unspecified kidney, initial encounter	Diagnosis	ICD-10-CM
S37.011A	Minor contusion of right kidney, initial encounter	Diagnosis	ICD-10-CM
S37.012A	Minor contusion of left kidney, initial encounter	Diagnosis	ICD-10-CM
S37.019A	Minor contusion of unspecified kidney, initial encounter	Diagnosis	ICD-10-CM
S37.021A	Major contusion of right kidney, initial encounter	Diagnosis	ICD-10-CM
S37.022A	Major contusion of left kidney, initial encounter	Diagnosis	ICD-10-CM
S37.029A	Major contusion of unspecified kidney, initial encounter	Diagnosis	ICD-10-CM
S37.031A	Laceration of right kidney, unspecified degree, initial encounter	Diagnosis	ICD-10-CM
S37.032A	Laceration of left kidney, unspecified degree, initial encounter	Diagnosis	ICD-10-CM
S37.039A	Laceration of unspecified kidney, unspecified degree, initial encounter	Diagnosis	ICD-10-CM
S37.041A	Minor laceration of right kidney, initial encounter	Diagnosis	ICD-10-CM
S37.042A	Minor laceration of left kidney, initial encounter	Diagnosis	ICD-10-CM
S37.049A	Minor laceration of unspecified kidney, initial encounter	Diagnosis	ICD-10-CM
S37.051A	Moderate laceration of right kidney, initial encounter	Diagnosis	ICD-10-CM
S37.052A	Moderate laceration of left kidney, initial encounter	Diagnosis	ICD-10-CM
S37.059A	Moderate laceration of unspecified kidney, initial encounter	Diagnosis	ICD-10-CM
S37.061A	Major laceration of right kidney, initial encounter	Diagnosis	ICD-10-CM
S37.062A	Major laceration of left kidney, initial encounter	Diagnosis	ICD-10-CM
S37.069A	Major laceration of unspecified kidney, initial encounter	Diagnosis	ICD-10-CM
S37.091A	Other injury of right kidney, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S37.092A	Other injury of left kidney, initial encounter	Diagnosis	ICD-10-CM
S37.099A	Other injury of unspecified kidney, initial encounter	Diagnosis	ICD-10-CM
S37.10XA	Unspecified injury of ureter, initial encounter	Diagnosis	ICD-10-CM
S37.12XA	Contusion of ureter, initial encounter	Diagnosis	ICD-10-CM
S37.13XA	Laceration of ureter, initial encounter	Diagnosis	ICD-10-CM
S37.19XA	Other injury of ureter, initial encounter	Diagnosis	ICD-10-CM
S37.20XA	Unspecified injury of bladder, initial encounter	Diagnosis	ICD-10-CM
S37.22XA	Contusion of bladder, initial encounter	Diagnosis	ICD-10-CM
S37.23XA	Laceration of bladder, initial encounter	Diagnosis	ICD-10-CM
S37.29XA	Other injury of bladder, initial encounter	Diagnosis	ICD-10-CM
S37.30XA	Unspecified injury of urethra, initial encounter	Diagnosis	ICD-10-CM
S37.32XA	Contusion of urethra, initial encounter	Diagnosis	ICD-10-CM
S37.33XA	Laceration of urethra, initial encounter	Diagnosis	ICD-10-CM
S37.39XA	Other injury of urethra, initial encounter	Diagnosis	ICD-10-CM
S37.401A	Unspecified injury of ovary, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.402A	Unspecified injury of ovary, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.409A	Unspecified injury of ovary, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.421A	Contusion of ovary, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.422A	Contusion of ovary, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.429A	Contusion of ovary, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.431A	Laceration of ovary, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.432A	Laceration of ovary, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.439A	Laceration of ovary, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.491A	Other injury of ovary, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.492A	Other injury of ovary, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.499A	Other injury of ovary, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.501A	Unspecified injury of fallopian tube, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.502A	Unspecified injury of fallopian tube, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.509A	Unspecified injury of fallopian tube, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.511A	Primary blast injury of fallopian tube, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.512A	Primary blast injury of fallopian tube, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.519A	Primary blast injury of fallopian tube, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.521A	Contusion of fallopian tube, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.522A	Contusion of fallopian tube, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.529A	Contusion of fallopian tube, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.531A	Laceration of fallopian tube, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.532A	Laceration of fallopian tube, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.539A	Laceration of fallopian tube, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.591A	Other injury of fallopian tube, unilateral, initial encounter	Diagnosis	ICD-10-CM
S37.592A	Other injury of fallopian tube, bilateral, initial encounter	Diagnosis	ICD-10-CM
S37.599A	Other injury of fallopian tube, unspecified, initial encounter	Diagnosis	ICD-10-CM
S37.60XA	Unspecified injury of uterus, initial encounter	Diagnosis	ICD-10-CM
S37.62XA	Contusion of uterus, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S37.63XA	Laceration of uterus, initial encounter	Diagnosis	ICD-10-CM
S37.69XA	Other injury of uterus, initial encounter	Diagnosis	ICD-10-CM
S37.812A	Contusion of adrenal gland, initial encounter	Diagnosis	ICD-10-CM
S37.813A	Laceration of adrenal gland, initial encounter	Diagnosis	ICD-10-CM
S37.818A	Other injury of adrenal gland, initial encounter	Diagnosis	ICD-10-CM
S37.819A	Unspecified injury of adrenal gland, initial encounter	Diagnosis	ICD-10-CM
S37.822A	Contusion of prostate, initial encounter	Diagnosis	ICD-10-CM
S37.823A	Laceration of prostate, initial encounter	Diagnosis	ICD-10-CM
S37.828A	Other injury of prostate, initial encounter	Diagnosis	ICD-10-CM
S37.829A	Unspecified injury of prostate, initial encounter	Diagnosis	ICD-10-CM
S37.892A	Contusion of other urinary and pelvic organ, initial encounter	Diagnosis	ICD-10-CM
S37.893A	Laceration of other urinary and pelvic organ, initial encounter	Diagnosis	ICD-10-CM
S37.898A	Other injury of other urinary and pelvic organ, initial encounter	Diagnosis	ICD-10-CM
S37.899A	Unspecified injury of other urinary and pelvic organ, initial encounter	Diagnosis	ICD-10-CM
S37.90XA	Unspecified injury of unspecified urinary and pelvic organ, initial encounter	Diagnosis	ICD-10-CM
S37.92XA	Contusion of unspecified urinary and pelvic organ, initial encounter	Diagnosis	ICD-10-CM
S37.93XA	Laceration of unspecified urinary and pelvic organ, initial encounter	Diagnosis	ICD-10-CM
S37.99XA	Other injury of unspecified urinary and pelvic organ, initial encounter	Diagnosis	ICD-10-CM
S07.0XXA	Crushing injury of face, initial encounter	Diagnosis	ICD-10-CM
S07.1XXA	Crushing injury of skull, initial encounter	Diagnosis	ICD-10-CM
S07.8XXA	Crushing injury of other parts of head, initial encounter	Diagnosis	ICD-10-CM
S07.9XXA	Crushing injury of head, part unspecified, initial encounter	Diagnosis	ICD-10-CM
S17.0XXA	Crushing injury of larynx and trachea, initial encounter	Diagnosis	ICD-10-CM
S17.8XXA	Crushing injury of other specified parts of neck, initial encounter	Diagnosis	ICD-10-CM
S17.9XXA	Crushing injury of neck, part unspecified, initial encounter	Diagnosis	ICD-10-CM
S28.0XXA	Crushed chest, initial encounter	Diagnosis	ICD-10-CM
S38.001A	Crushing injury of unspecified external genital organs, male, initial encounter	Diagnosis	ICD-10-CM
S38.002A	Crushing injury of unspecified external genital organs, female, initial encounter	Diagnosis	ICD-10-CM
S38.01XA	Crushing injury of penis, initial encounter	Diagnosis	ICD-10-CM
S38.02XA	Crushing injury of scrotum and testis, initial encounter	Diagnosis	ICD-10-CM
S38.03XA	Crushing injury of vulva, initial encounter	Diagnosis	ICD-10-CM
S38.1XXA	Crushing injury of abdomen, lower back, and pelvis, initial encounter	Diagnosis	ICD-10-CM
S47.1XXA	Crushing injury of right shoulder and upper arm, initial encounter	Diagnosis	ICD-10-CM
S47.2XXA	Crushing injury of left shoulder and upper arm, initial encounter	Diagnosis	ICD-10-CM
S47.9XXA	Crushing injury of shoulder and upper arm, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S57.00XA	Crushing injury of unspecified elbow, initial encounter	Diagnosis	ICD-10-CM
S57.01XA	Crushing injury of right elbow, initial encounter	Diagnosis	ICD-10-CM
S57.02XA	Crushing injury of left elbow, initial encounter	Diagnosis	ICD-10-CM
S57.80XA	Crushing injury of unspecified forearm, initial encounter	Diagnosis	ICD-10-CM
S57.81XA	Crushing injury of right forearm, initial encounter	Diagnosis	ICD-10-CM
S57.82XA	Crushing injury of left forearm, initial encounter	Diagnosis	ICD-10-CM
S67.00XA	Crushing injury of unspecified thumb, initial encounter	Diagnosis	ICD-10-CM
S67.01XA	Crushing injury of right thumb, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S67.02XA	Crushing injury of left thumb, initial encounter	Diagnosis	ICD-10-CM
S67.10XA	Crushing injury of unspecified finger(s), initial encounter	Diagnosis	ICD-10-CM
S67.190A	Crushing injury of right index finger, initial encounter	Diagnosis	ICD-10-CM
S67.191A	Crushing injury of left index finger, initial encounter	Diagnosis	ICD-10-CM
S67.192A	Crushing injury of right middle finger, initial encounter	Diagnosis	ICD-10-CM
S67.193A	Crushing injury of left middle finger, initial encounter	Diagnosis	ICD-10-CM
S67.194A	Crushing injury of right ring finger, initial encounter	Diagnosis	ICD-10-CM
S67.195A	Crushing injury of left ring finger, initial encounter	Diagnosis	ICD-10-CM
S67.196A	Crushing injury of right little finger, initial encounter	Diagnosis	ICD-10-CM
S67.197A	Crushing injury of left little finger, initial encounter	Diagnosis	ICD-10-CM
S67.198A	Crushing injury of other finger, initial encounter	Diagnosis	ICD-10-CM
S67.20XA	Crushing injury of unspecified hand, initial encounter	Diagnosis	ICD-10-CM
S67.21XA	Crushing injury of right hand, initial encounter	Diagnosis	ICD-10-CM
S67.22XA	Crushing injury of left hand, initial encounter	Diagnosis	ICD-10-CM
S67.30XA	Crushing injury of unspecified wrist, initial encounter	Diagnosis	ICD-10-CM
S67.31XA	Crushing injury of right wrist, initial encounter	Diagnosis	ICD-10-CM
S67.32XA	Crushing injury of left wrist, initial encounter	Diagnosis	ICD-10-CM
S67.40XA	Crushing injury of unspecified wrist and hand, initial encounter	Diagnosis	ICD-10-CM
S67.41XA	Crushing injury of right wrist and hand, initial encounter	Diagnosis	ICD-10-CM
S67.42XA	Crushing injury of left wrist and hand, initial encounter	Diagnosis	ICD-10-CM
S67.90XA	Crushing injury of unspecified part(s) of unspecified wrist, hand and fingers, initial encounter	Diagnosis	ICD-10-CM
S67.91XA	Crushing injury of unspecified part(s) of right wrist, hand and fingers, initial encounter	Diagnosis	ICD-10-CM
S67.92XA	Crushing injury of unspecified part(s) of left wrist, hand and fingers, initial encounter	Diagnosis	ICD-10-CM
S77.00XA	Crushing injury of unspecified hip, initial encounter	Diagnosis	ICD-10-CM
S77.01XA	Crushing injury of right hip, initial encounter	Diagnosis	ICD-10-CM
S77.02XA	Crushing injury of left hip, initial encounter	Diagnosis	ICD-10-CM
S77.10XA	Crushing injury of unspecified thigh, initial encounter	Diagnosis	ICD-10-CM
S77.11XA	Crushing injury of right thigh, initial encounter	Diagnosis	ICD-10-CM
S77.12XA	Crushing injury of left thigh, initial encounter	Diagnosis	ICD-10-CM
S77.20XA	Crushing injury of unspecified hip with thigh, initial encounter	Diagnosis	ICD-10-CM
S77.21XA	Crushing injury of right hip with thigh, initial encounter	Diagnosis	ICD-10-CM
S77.22XA	Crushing injury of left hip with thigh, initial encounter	Diagnosis	ICD-10-CM
S87.00XA	Crushing injury of unspecified knee, initial encounter	Diagnosis	ICD-10-CM
S87.01XA	Crushing injury of right knee, initial encounter	Diagnosis	ICD-10-CM
S87.02XA	Crushing injury of left knee, initial encounter	Diagnosis	ICD-10-CM
S87.80XA	Crushing injury of unspecified lower leg, initial encounter	Diagnosis	ICD-10-CM
S87.81XA	Crushing injury of right lower leg, initial encounter	Diagnosis	ICD-10-CM
S87.82XA	Crushing injury of left lower leg, initial encounter	Diagnosis	ICD-10-CM
S97.00XA	Crushing injury of unspecified ankle, initial encounter	Diagnosis	ICD-10-CM
S97.01XA	Crushing injury of right ankle, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S97.02XA	Crushing injury of left ankle, initial encounter	Diagnosis	ICD-10-CM
S97.101A	Crushing injury of unspecified right toe(s), initial encounter	Diagnosis	ICD-10-CM
S97.102A	Crushing injury of unspecified left toe(s), initial encounter	Diagnosis	ICD-10-CM
S97.109A	Crushing injury of unspecified toe(s), initial encounter	Diagnosis	ICD-10-CM
S97.111A	Crushing injury of right great toe, initial encounter	Diagnosis	ICD-10-CM
S97.112A	Crushing injury of left great toe, initial encounter	Diagnosis	ICD-10-CM
S97.119A	Crushing injury of unspecified great toe, initial encounter	Diagnosis	ICD-10-CM
S97.121A	Crushing injury of right lesser toe(s), initial encounter	Diagnosis	ICD-10-CM
S97.122A	Crushing injury of left lesser toe(s), initial encounter	Diagnosis	ICD-10-CM
S97.129A	Crushing injury of unspecified lesser toe(s), initial encounter	Diagnosis	ICD-10-CM
S97.80XA	Crushing injury of unspecified foot, initial encounter	Diagnosis	ICD-10-CM
S97.81XA	Crushing injury of right foot, initial encounter	Diagnosis	ICD-10-CM
S97.82XA	Crushing injury of left foot, initial encounter	Diagnosis	ICD-10-CM
S04.011A	Injury of optic nerve, right eye, initial encounter	Diagnosis	ICD-10-CM
S04.012A	Injury of optic nerve, left eye, initial encounter	Diagnosis	ICD-10-CM
S04.019A	Injury of optic nerve, unspecified eye, initial encounter	Diagnosis	ICD-10-CM
S04.02XA	Injury of optic chiasm, initial encounter	Diagnosis	ICD-10-CM
S04.031A	Injury of optic tract and pathways, right side, initial encounter	Diagnosis	ICD-10-CM
S04.032A	Injury of optic tract and pathways, left side, initial encounter	Diagnosis	ICD-10-CM
S04.039A	Injury of optic tract and pathways, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.041A	Injury of visual cortex, right side, initial encounter	Diagnosis	ICD-10-CM
S04.042A	Injury of visual cortex, left side, initial encounter	Diagnosis	ICD-10-CM
S04.049A	Injury of visual cortex, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.10XA	Injury of oculomotor nerve, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.11XA	Injury of oculomotor nerve, right side, initial encounter	Diagnosis	ICD-10-CM
S04.12XA	Injury of oculomotor nerve, left side, initial encounter	Diagnosis	ICD-10-CM
S04.20XA	Injury of trochlear nerve, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.21XA	Injury of trochlear nerve, right side, initial encounter	Diagnosis	ICD-10-CM
S04.22XA	Injury of trochlear nerve, left side, initial encounter	Diagnosis	ICD-10-CM
S04.30XA	Injury of trigeminal nerve, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.31XA	Injury of trigeminal nerve, right side, initial encounter	Diagnosis	ICD-10-CM
S04.32XA	Injury of trigeminal nerve, left side, initial encounter	Diagnosis	ICD-10-CM
S04.40XA	Injury of abducent nerve, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.41XA	Injury of abducent nerve, right side, initial encounter	Diagnosis	ICD-10-CM
S04.42XA	Injury of abducent nerve, left side, initial encounter	Diagnosis	ICD-10-CM
S04.50XA	Injury of facial nerve, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.51XA	Injury of facial nerve, right side, initial encounter	Diagnosis	ICD-10-CM
S04.52XA	Injury of facial nerve, left side, initial encounter	Diagnosis	ICD-10-CM
S04.60XA	Injury of acoustic nerve, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.61XA	Injury of acoustic nerve, right side, initial encounter	Diagnosis	ICD-10-CM
S04.62XA	Injury of acoustic nerve, left side, initial encounter	Diagnosis	ICD-10-CM
S04.70XA	Injury of accessory nerve, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.71XA	Injury of accessory nerve, right side, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S04.72XA	Injury of accessory nerve, left side, initial encounter	Diagnosis	ICD-10-CM
S04.811A	Injury of olfactory [1st] nerve, right side, initial encounter	Diagnosis	ICD-10-CM
S04.812A	Injury of olfactory [1st] nerve, left side, initial encounter	Diagnosis	ICD-10-CM
S04.819A	Injury of olfactory [1st] nerve, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.891A	Injury of other cranial nerves, right side, initial encounter	Diagnosis	ICD-10-CM
S04.892A	Injury of other cranial nerves, left side, initial encounter	Diagnosis	ICD-10-CM
S04.899A	Injury of other cranial nerves, unspecified side, initial encounter	Diagnosis	ICD-10-CM
S04.9XXA	Injury of unspecified cranial nerve, initial encounter	Diagnosis	ICD-10-CM
S14.0XXA	Concussion and edema of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.101A	Unspecified injury at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.102A	Unspecified injury at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.103A	Unspecified injury at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.104A	Unspecified injury at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.105A	Unspecified injury at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.106A	Unspecified injury at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.107A	Unspecified injury at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.108A	Unspecified injury at C8 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.109A	Unspecified injury at unspecified level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.111A	Complete lesion at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.112A	Complete lesion at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.113A	Complete lesion at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.114A	Complete lesion at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.115A	Complete lesion at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.116A	Complete lesion at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.117A	Complete lesion at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.118A	Complete lesion at C8 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.119A	Complete lesion at unspecified level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.121A	Central cord syndrome at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.122A	Central cord syndrome at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.123A	Central cord syndrome at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.124A	Central cord syndrome at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.125A	Central cord syndrome at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.126A	Central cord syndrome at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.127A	Central cord syndrome at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.128A	Central cord syndrome at C8 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.129A	Central cord syndrome at unspecified level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.131A	Anterior cord syndrome at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.132A	Anterior cord syndrome at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.133A	Anterior cord syndrome at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.134A	Anterior cord syndrome at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.135A	Anterior cord syndrome at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.136A	Anterior cord syndrome at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.137A	Anterior cord syndrome at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S14.138A	Anterior cord syndrome at C8 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.139A	Anterior cord syndrome at unspecified level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.141A	Brown-Sequard syndrome at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.142A	Brown-Sequard syndrome at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.143A	Brown-Sequard syndrome at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.144A	Brown-Sequard syndrome at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.145A	Brown-Sequard syndrome at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.146A	Brown-Sequard syndrome at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.147A	Brown-Sequard syndrome at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.148A	Brown-Sequard syndrome at C8 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.149A	Brown-Sequard syndrome at unspecified level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.151A	Other incomplete lesion at C1 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.152A	Other incomplete lesion at C2 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.153A	Other incomplete lesion at C3 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.154A	Other incomplete lesion at C4 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.155A	Other incomplete lesion at C5 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.156A	Other incomplete lesion at C6 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.157A	Other incomplete lesion at C7 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.158A	Other incomplete lesion at C8 level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.159A	Other incomplete lesion at unspecified level of cervical spinal cord, initial encounter	Diagnosis	ICD-10-CM
S14.2XXA	Injury of nerve root of cervical spine, initial encounter	Diagnosis	ICD-10-CM
S14.3XXA	Injury of brachial plexus, initial encounter	Diagnosis	ICD-10-CM
S14.4XXA	Injury of peripheral nerves of neck, initial encounter	Diagnosis	ICD-10-CM
S14.5XXA	Injury of cervical sympathetic nerves, initial encounter	Diagnosis	ICD-10-CM
S14.8XXA	Injury of other specified nerves of neck, initial encounter	Diagnosis	ICD-10-CM
S14.9XXA	Injury of unspecified nerves of neck, initial encounter	Diagnosis	ICD-10-CM
S24.0XXA	Concussion and edema of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.101A	Unspecified injury at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.102A	Unspecified injury at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.103A	Unspecified injury at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.104A	Unspecified injury at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.109A	Unspecified injury at unspecified level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.111A	Complete lesion at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.112A	Complete lesion at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.113A	Complete lesion at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.114A	Complete lesion at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.119A	Complete lesion at unspecified level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.131A	Anterior cord syndrome at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.132A	Anterior cord syndrome at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.133A	Anterior cord syndrome at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.134A	Anterior cord syndrome at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S24.139A	Anterior cord syndrome at unspecified level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.141A	Brown-Sequard syndrome at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.142A	Brown-Sequard syndrome at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.143A	Brown-Sequard syndrome at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.144A	Brown-Sequard syndrome at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.149A	Brown-Sequard syndrome at unspecified level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.151A	Other incomplete lesion at T1 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.152A	Other incomplete lesion at T2-T6 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.153A	Other incomplete lesion at T7-T10 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.154A	Other incomplete lesion at T11-T12 level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.159A	Other incomplete lesion at unspecified level of thoracic spinal cord, initial encounter	Diagnosis	ICD-10-CM
S24.2XXA	Injury of nerve root of thoracic spine, initial encounter	Diagnosis	ICD-10-CM
S24.3XXA	Injury of peripheral nerves of thorax, initial encounter	Diagnosis	ICD-10-CM
S24.4XXA	Injury of thoracic sympathetic nervous system, initial encounter	Diagnosis	ICD-10-CM
S24.8XXA	Injury of other specified nerves of thorax, initial encounter	Diagnosis	ICD-10-CM
S24.9XXA	Injury of unspecified nerve of thorax, initial encounter	Diagnosis	ICD-10-CM
S34.01XA	Concussion and edema of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.02XA	Concussion and edema of sacral spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.101A	Unspecified injury to L1 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.102A	Unspecified injury to L2 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.103A	Unspecified injury to L3 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.104A	Unspecified injury to L4 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.105A	Unspecified injury to L5 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.109A	Unspecified injury to unspecified level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.111A	Complete lesion of L1 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.112A	Complete lesion of L2 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.113A	Complete lesion of L3 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.114A	Complete lesion of L4 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.115A	Complete lesion of L5 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.119A	Complete lesion of unspecified level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.121A	Incomplete lesion of L1 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.122A	Incomplete lesion of L2 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.123A	Incomplete lesion of L3 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.124A	Incomplete lesion of L4 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.125A	Incomplete lesion of L5 level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.129A	Incomplete lesion of unspecified level of lumbar spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.131A	Complete lesion of sacral spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.132A	Incomplete lesion of sacral spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.139A	Unspecified injury to sacral spinal cord, initial encounter	Diagnosis	ICD-10-CM
S34.21XA	Injury of nerve root of lumbar spine, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S34.22XA	Injury of nerve root of sacral spine, initial encounter	Diagnosis	ICD-10-CM
S34.3XXA	Injury of cauda equina, initial encounter	Diagnosis	ICD-10-CM
S34.4XXA	Injury of lumbosacral plexus, initial encounter	Diagnosis	ICD-10-CM
S34.5XXA	Injury of lumbar, sacral and pelvic sympathetic nerves, initial encounter	Diagnosis	ICD-10-CM
S34.6XXA	Injury of peripheral nerve(s) at abdomen, lower back and pelvis level, initial encounter	Diagnosis	ICD-10-CM
S34.8XXA	Injury of other nerves at abdomen, lower back and pelvis level, initial encounter	Diagnosis	ICD-10-CM
S34.9XXA	Injury of unspecified nerves at abdomen, lower back and pelvis level, initial encounter	Diagnosis	ICD-10-CM
S44.00XA	Injury of ulnar nerve at upper arm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S44.01XA	Injury of ulnar nerve at upper arm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S44.02XA	Injury of ulnar nerve at upper arm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S44.10XA	Injury of median nerve at upper arm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S44.11XA	Injury of median nerve at upper arm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S44.12XA	Injury of median nerve at upper arm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S44.20XA	Injury of radial nerve at upper arm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S44.21XA	Injury of radial nerve at upper arm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S44.22XA	Injury of radial nerve at upper arm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S44.30XA	Injury of axillary nerve, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S44.31XA	Injury of axillary nerve, right arm, initial encounter	Diagnosis	ICD-10-CM
S44.32XA	Injury of axillary nerve, left arm, initial encounter	Diagnosis	ICD-10-CM
S44.40XA	Injury of musculocutaneous nerve, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S44.41XA	Injury of musculocutaneous nerve, right arm, initial encounter	Diagnosis	ICD-10-CM
S44.42XA	Injury of musculocutaneous nerve, left arm, initial encounter	Diagnosis	ICD-10-CM
S44.50XA	Injury of cutaneous sensory nerve at shoulder and upper arm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S44.51XA	Injury of cutaneous sensory nerve at shoulder and upper arm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S44.52XA	Injury of cutaneous sensory nerve at shoulder and upper arm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S44.8X1A	Injury of other nerves at shoulder and upper arm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S44.8X2A	Injury of other nerves at shoulder and upper arm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S44.8X9A	Injury of other nerves at shoulder and upper arm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S44.90XA	Injury of unspecified nerve at shoulder and upper arm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S44.91XA	Injury of unspecified nerve at shoulder and upper arm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S44.92XA	Injury of unspecified nerve at shoulder and upper arm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S54.00XA	Injury of ulnar nerve at forearm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S54.01XA	Injury of ulnar nerve at forearm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S54.02XA	Injury of ulnar nerve at forearm level, left arm, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S54.10XA	Injury of median nerve at forearm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S54.11XA	Injury of median nerve at forearm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S54.12XA	Injury of median nerve at forearm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S54.20XA	Injury of radial nerve at forearm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S54.21XA	Injury of radial nerve at forearm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S54.22XA	Injury of radial nerve at forearm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S54.30XA	Injury of cutaneous sensory nerve at forearm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S54.31XA	Injury of cutaneous sensory nerve at forearm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S54.32XA	Injury of cutaneous sensory nerve at forearm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S54.8X1A	Injury of other nerves at forearm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S54.8X2A	Injury of other nerves at forearm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S54.8X9A	Injury of other nerves at forearm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S54.90XA	Injury of unspecified nerve at forearm level, unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S54.91XA	Injury of unspecified nerve at forearm level, right arm, initial encounter	Diagnosis	ICD-10-CM
S54.92XA	Injury of unspecified nerve at forearm level, left arm, initial encounter	Diagnosis	ICD-10-CM
S64.00XA	Injury of ulnar nerve at wrist and hand level of unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S64.01XA	Injury of ulnar nerve at wrist and hand level of right arm, initial encounter	Diagnosis	ICD-10-CM
S64.02XA	Injury of ulnar nerve at wrist and hand level of left arm, initial encounter	Diagnosis	ICD-10-CM
S64.10XA	Injury of median nerve at wrist and hand level of unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S64.11XA	Injury of median nerve at wrist and hand level of right arm, initial encounter	Diagnosis	ICD-10-CM
S64.12XA	Injury of median nerve at wrist and hand level of left arm, initial encounter	Diagnosis	ICD-10-CM
S64.20XA	Injury of radial nerve at wrist and hand level of unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S64.21XA	Injury of radial nerve at wrist and hand level of right arm, initial encounter	Diagnosis	ICD-10-CM
S64.22XA	Injury of radial nerve at wrist and hand level of left arm, initial encounter	Diagnosis	ICD-10-CM
S64.30XA	Injury of digital nerve of unspecified thumb, initial encounter	Diagnosis	ICD-10-CM
S64.31XA	Injury of digital nerve of right thumb, initial encounter	Diagnosis	ICD-10-CM
S64.32XA	Injury of digital nerve of left thumb, initial encounter	Diagnosis	ICD-10-CM
S64.40XA	Injury of digital nerve of unspecified finger, initial encounter	Diagnosis	ICD-10-CM
S64.490A	Injury of digital nerve of right index finger, initial encounter	Diagnosis	ICD-10-CM
S64.491A	Injury of digital nerve of left index finger, initial encounter	Diagnosis	ICD-10-CM
S64.492A	Injury of digital nerve of right middle finger, initial encounter	Diagnosis	ICD-10-CM
S64.493A	Injury of digital nerve of left middle finger, initial encounter	Diagnosis	ICD-10-CM
S64.494A	Injury of digital nerve of right ring finger, initial encounter	Diagnosis	ICD-10-CM
S64.495A	Injury of digital nerve of left ring finger, initial encounter	Diagnosis	ICD-10-CM
S64.496A	Injury of digital nerve of right little finger, initial encounter	Diagnosis	ICD-10-CM
S64.497A	Injury of digital nerve of left little finger, initial encounter	Diagnosis	ICD-10-CM
S64.498A	Injury of digital nerve of other finger, initial encounter	Diagnosis	ICD-10-CM
S64.8X1A	Injury of other nerves at wrist and hand level of right arm, initial encounter	Diagnosis	ICD-10-CM
S64.8X2A	Injury of other nerves at wrist and hand level of left arm, initial encounter	Diagnosis	ICD-10-CM
S64.8X9A	Injury of other nerves at wrist and hand level of unspecified arm, initial encounter	Diagnosis	ICD-10-CM
S64.90XA	Injury of unspecified nerve at wrist and hand level of unspecified arm, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S64.91XA	Injury of unspecified nerve at wrist and hand level of right arm, initial encounter	Diagnosis	ICD-10-CM
S64.92XA	Injury of unspecified nerve at wrist and hand level of left arm, initial encounter	Diagnosis	ICD-10-CM
S74.00XA	Injury of sciatic nerve at hip and thigh level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S74.01XA	Injury of sciatic nerve at hip and thigh level, right leg, initial encounter	Diagnosis	ICD-10-CM
S74.02XA	Injury of sciatic nerve at hip and thigh level, left leg, initial encounter	Diagnosis	ICD-10-CM
S74.10XA	Injury of femoral nerve at hip and thigh level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S74.11XA	Injury of femoral nerve at hip and thigh level, right leg, initial encounter	Diagnosis	ICD-10-CM
S74.12XA	Injury of femoral nerve at hip and thigh level, left leg, initial encounter	Diagnosis	ICD-10-CM
S74.20XA	Injury of cutaneous sensory nerve at hip and thigh level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S74.21XA	Injury of cutaneous sensory nerve at hip and thigh level, right leg, initial encounter	Diagnosis	ICD-10-CM
S74.22XA	Injury of cutaneous sensory nerve at hip and thigh level, left leg, initial encounter	Diagnosis	ICD-10-CM
S74.8X1A	Injury of other nerves at hip and thigh level, right leg, initial encounter	Diagnosis	ICD-10-CM
S74.8X2A	Injury of other nerves at hip and thigh level, left leg, initial encounter	Diagnosis	ICD-10-CM
S74.8X9A	Injury of other nerves at hip and thigh level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S74.90XA	Injury of unspecified nerve at hip and thigh level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S74.91XA	Injury of unspecified nerve at hip and thigh level, right leg, initial encounter	Diagnosis	ICD-10-CM
S74.92XA	Injury of unspecified nerve at hip and thigh level, left leg, initial encounter	Diagnosis	ICD-10-CM
S84.00XA	Injury of tibial nerve at lower leg level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S84.01XA	Injury of tibial nerve at lower leg level, right leg, initial encounter	Diagnosis	ICD-10-CM
S84.02XA	Injury of tibial nerve at lower leg level, left leg, initial encounter	Diagnosis	ICD-10-CM
S84.10XA	Injury of peroneal nerve at lower leg level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S84.11XA	Injury of peroneal nerve at lower leg level, right leg, initial encounter	Diagnosis	ICD-10-CM
S84.12XA	Injury of peroneal nerve at lower leg level, left leg, initial encounter	Diagnosis	ICD-10-CM
S84.20XA	Injury of cutaneous sensory nerve at lower leg level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S84.21XA	Injury of cutaneous sensory nerve at lower leg level, right leg, initial encounter	Diagnosis	ICD-10-CM
S84.22XA	Injury of cutaneous sensory nerve at lower leg level, left leg, initial encounter	Diagnosis	ICD-10-CM
S84.801A	Injury of other nerves at lower leg level, right leg, initial encounter	Diagnosis	ICD-10-CM
S84.802A	Injury of other nerves at lower leg level, left leg, initial encounter	Diagnosis	ICD-10-CM
S84.809A	Injury of other nerves at lower leg level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S84.90XA	Injury of unspecified nerve at lower leg level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S84.91XA	Injury of unspecified nerve at lower leg level, right leg, initial encounter	Diagnosis	ICD-10-CM
S84.92XA	Injury of unspecified nerve at lower leg level, left leg, initial encounter	Diagnosis	ICD-10-CM
S94.00XA	Injury of lateral plantar nerve, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S94.01XA	Injury of lateral plantar nerve, right leg, initial encounter	Diagnosis	ICD-10-CM
S94.02XA	Injury of lateral plantar nerve, left leg, initial encounter	Diagnosis	ICD-10-CM
S94.10XA	Injury of medial plantar nerve, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S94.11XA	Injury of medial plantar nerve, right leg, initial encounter	Diagnosis	ICD-10-CM
S94.12XA	Injury of medial plantar nerve, left leg, initial encounter	Diagnosis	ICD-10-CM
S94.20XA	Injury of deep peroneal nerve at ankle and foot level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S94.21XA	Injury of deep peroneal nerve at ankle and foot level, right leg, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
S94.22XA	Injury of deep peroneal nerve at ankle and foot level, left leg, initial encounter	Diagnosis	ICD-10-CM
S94.30XA	Injury of cutaneous sensory nerve at ankle and foot level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S94.31XA	Injury of cutaneous sensory nerve at ankle and foot level, right leg, initial encounter	Diagnosis	ICD-10-CM
S94.32XA	Injury of cutaneous sensory nerve at ankle and foot level, left leg, initial encounter	Diagnosis	ICD-10-CM
S94.8X1A	Injury of other nerves at ankle and foot level, right leg, initial encounter	Diagnosis	ICD-10-CM
S94.8X2A	Injury of other nerves at ankle and foot level, left leg, initial encounter	Diagnosis	ICD-10-CM
S94.8X9A	Injury of other nerves at ankle and foot level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S94.90XA	Injury of unspecified nerve at ankle and foot level, unspecified leg, initial encounter	Diagnosis	ICD-10-CM
S94.91XA	Injury of unspecified nerve at ankle and foot level, right leg, initial encounter	Diagnosis	ICD-10-CM
S94.92XA	Injury of unspecified nerve at ankle and foot level, left leg, initial encounter	Diagnosis	ICD-10-CM
T54.1X1A	Toxic effect of other corrosive organic compounds, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T54.1X4A	Toxic effect of other corrosive organic compounds, undetermined, initial encounter	Diagnosis	ICD-10-CM
T54.2X1A	Toxic effect of corrosive acids and acid-like substances, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T54.2X4A	Toxic effect of corrosive acids and acid-like substances, undetermined, initial encounter	Diagnosis	ICD-10-CM
T54.3X1A	Toxic effect of corrosive alkalis and alkali-like substances, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T54.3X4A	Toxic effect of corrosive alkalis and alkali-like substances, undetermined, initial encounter	Diagnosis	ICD-10-CM
T54.91XA	Toxic effect of unspecified corrosive substance, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65.821A	Toxic effect of harmful algae and algae toxins, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65.824A	Toxic effect of harmful algae and algae toxins, undetermined, initial encounter	Diagnosis	ICD-10-CM
T73.3XXA	Exhaustion due to excessive exertion, initial encounter	Diagnosis	ICD-10-CM
V00.01XA	Pedestrian on foot injured in collision with roller-skater, initial encounter	Diagnosis	ICD-10-CM
V00.01XD	Pedestrian on foot injured in collision with roller-skater, subsequent encounter	Diagnosis	ICD-10-CM
V00.02XA	Pedestrian on foot injured in collision with skateboarder, initial encounter	Diagnosis	ICD-10-CM
V00.02XD	Pedestrian on foot injured in collision with skateboarder, subsequent encounter	Diagnosis	ICD-10-CM
V00.09XA	Pedestrian on foot injured in collision with other pedestrian conveyance, initial encounter	Diagnosis	ICD-10-CM
V00.09XD	Pedestrian on foot injured in collision with other pedestrian conveyance, subsequent encounter	Diagnosis	ICD-10-CM
V00.811A	Fall from moving wheelchair (powered), initial encounter	Diagnosis	ICD-10-CM
V00.811D	Fall from moving wheelchair (powered), subsequent encounter	Diagnosis	ICD-10-CM
V00.812A	Wheelchair (powered) colliding with stationary object, initial encounter	Diagnosis	ICD-10-CM
V00.812D	Wheelchair (powered) colliding with stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V00.818A	Other accident with wheelchair (powered), initial encounter	Diagnosis	ICD-10-CM
V00.818D	Other accident with wheelchair (powered), subsequent encounter	Diagnosis	ICD-10-CM
V00.821A	Fall from baby stroller, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V00.821D	Fall from babystroller, subsequent encounter	Diagnosis	ICD-10-CM
V00.822A	Babystroller colliding with stationary object, initial encounter	Diagnosis	ICD-10-CM
V00.822D	Babystroller colliding with stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V00.828A	Other accident with babystroller, initial encounter	Diagnosis	ICD-10-CM
V00.828D	Other accident with babystroller, subsequent encounter	Diagnosis	ICD-10-CM
V00.831A	Fall from motorized mobility scooter, initial encounter	Diagnosis	ICD-10-CM
V00.831D	Fall from motorized mobility scooter, subsequent encounter	Diagnosis	ICD-10-CM
V00.832A	Motorized mobility scooter colliding with stationary object, initial encounter	Diagnosis	ICD-10-CM
V00.832D	Motorized mobility scooter colliding with stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V00.838A	Other accident with motorized mobility scooter, initial encounter	Diagnosis	ICD-10-CM
V00.838D	Other accident with motorized mobility scooter, subsequent encounter	Diagnosis	ICD-10-CM
V00.891A	Fall from other pedestrian conveyance, initial encounter	Diagnosis	ICD-10-CM
V00.891D	Fall from other pedestrian conveyance, subsequent encounter	Diagnosis	ICD-10-CM
V00.892A	Pedestrian on other pedestrian conveyance colliding with stationary object, initial encounter	Diagnosis	ICD-10-CM
V00.892D	Pedestrian on other pedestrian conveyance colliding with stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V00.898A	Other accident on other pedestrian conveyance, initial encounter	Diagnosis	ICD-10-CM
V00.898D	Other accident on other pedestrian conveyance, subsequent encounter	Diagnosis	ICD-10-CM
V01.00XA	Pedestrian on foot injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.00XD	Pedestrian on foot injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.01XA	Pedestrian on roller-skates injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.01XD	Pedestrian on roller-skates injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.02XA	Pedestrian on skateboard injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.02XD	Pedestrian on skateboard injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.09XA	Pedestrian with other conveyance injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.09XD	Pedestrian with other conveyance injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.10XA	Pedestrian on foot injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.10XD	Pedestrian on foot injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.11XA	Pedestrian on roller-skates injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.11XD	Pedestrian on roller-skates injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V01.12XA	Pedestrian on skateboard injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.12XD	Pedestrian on skateboard injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.19XA	Pedestrian with other conveyance injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.19XD	Pedestrian with other conveyance injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.90XA	Pedestrian on foot injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.90XD	Pedestrian on foot injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.91XA	Pedestrian on roller-skates injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.91XD	Pedestrian on roller-skates injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.92XA	Pedestrian on skateboard injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.92XD	Pedestrian on skateboard injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V01.99XA	Pedestrian with other conveyance injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V01.99XD	Pedestrian with other conveyance injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.00XA	Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.00XD	Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.01XA	Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.01XD	Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.02XA	Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.02XD	Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.09XA	Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.09XD	Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.10XA	Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V02.10XD	Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.11XA	Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.11XD	Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.12XA	Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.12XD	Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.19XA	Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.19XD	Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.90XA	Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.90XD	Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.91XA	Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.91XD	Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.92XA	Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.92XD	Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V02.99XA	Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V02.99XD	Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.00XA	Pedestrian on foot injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.00XD	Pedestrian on foot injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.01XA	Pedestrian on roller-skates injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.01XD	Pedestrian on roller-skates injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.02XA	Pedestrian on skateboard injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.02XD	Pedestrian on skateboard injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V03.09XA	Pedestrian with other conveyance injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.09XD	Pedestrian with other conveyance injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.10XA	Pedestrian on foot injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.10XD	Pedestrian on foot injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.11XA	Pedestrian on roller-skates injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.11XD	Pedestrian on roller-skates injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.12XA	Pedestrian on skateboard injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.12XD	Pedestrian on skateboard injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.19XA	Pedestrian with other conveyance injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.19XD	Pedestrian with other conveyance injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.90XA	Pedestrian on foot injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.90XD	Pedestrian on foot injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.91XA	Pedestrian on roller-skates injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.91XD	Pedestrian on roller-skates injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.92XA	Pedestrian on skateboard injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.92XD	Pedestrian on skateboard injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V03.99XA	Pedestrian with other conveyance injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V03.99XD	Pedestrian with other conveyance injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.00XA	Pedestrian on foot injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.00XD	Pedestrian on foot injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.01XA	Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V04.01XD	Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.02XA	Pedestrian on skateboard injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.02XD	Pedestrian on skateboard injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.09XA	Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.09XD	Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.10XA	Pedestrian on foot injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.10XD	Pedestrian on foot injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.11XA	Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.11XD	Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.12XA	Pedestrian on skateboard injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.12XD	Pedestrian on skateboard injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.19XA	Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.19XD	Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.90XA	Pedestrian on foot injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.90XD	Pedestrian on foot injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.91XA	Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.91XD	Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.92XA	Pedestrian on skateboard injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.92XD	Pedestrian on skateboard injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V04.99XA	Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V04.99XD	Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V05.00XA	Pedestrian on foot injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.00XD	Pedestrian on foot injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.01XA	Pedestrian on roller-skates injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.01XD	Pedestrian on roller-skates injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.02XA	Pedestrian on skateboard injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.02XD	Pedestrian on skateboard injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.09XA	Pedestrian with other conveyance injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.09XD	Pedestrian with other conveyance injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.10XA	Pedestrian on foot injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.10XD	Pedestrian on foot injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.11XA	Pedestrian on roller-skates injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.11XD	Pedestrian on roller-skates injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.12XA	Pedestrian on skateboard injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.12XD	Pedestrian on skateboard injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.19XA	Pedestrian with other conveyance injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.19XD	Pedestrian with other conveyance injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.90XA	Pedestrian on foot injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.90XD	Pedestrian on foot injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.91XA	Pedestrian on roller-skates injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.91XD	Pedestrian on roller-skates injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.92XA	Pedestrian on skateboard injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V05.92XD	Pedestrian on skateboard injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V05.99XA	Pedestrian with other conveyance injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V05.99XD	Pedestrian with other conveyance injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.00XA	Pedestrian on foot injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.00XD	Pedestrian on foot injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.01XA	Pedestrian on roller-skates injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.01XD	Pedestrian on roller-skates injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.02XA	Pedestrian on skateboard injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.02XD	Pedestrian on skateboard injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.09XA	Pedestrian with other conveyance injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.09XD	Pedestrian with other conveyance injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.10XA	Pedestrian on foot injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.10XD	Pedestrian on foot injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.11XA	Pedestrian on roller-skates injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.11XD	Pedestrian on roller-skates injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.12XA	Pedestrian on skateboard injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.12XD	Pedestrian on skateboard injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.19XA	Pedestrian with other conveyance injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.19XD	Pedestrian with other conveyance injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.90XA	Pedestrian on foot injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.90XD	Pedestrian on foot injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V06.91XA	Pedestrian on roller-skates injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.91XD	Pedestrian on roller-skates injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.92XA	Pedestrian on skateboard injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.92XD	Pedestrian on skateboard injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V06.99XA	Pedestrian with other conveyance injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V06.99XD	Pedestrian with other conveyance injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V09.00XA	Pedestrian injured in nontraffic accident involving unspecified motor vehicles, initial encounter	Diagnosis	ICD-10-CM
V09.00XD	Pedestrian injured in nontraffic accident involving unspecified motor vehicles, subsequent encounter	Diagnosis	ICD-10-CM
V09.01XA	Pedestrian injured in nontraffic accident involving military vehicle, initial encounter	Diagnosis	ICD-10-CM
V09.01XD	Pedestrian injured in nontraffic accident involving military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V09.09XA	Pedestrian injured in nontraffic accident involving other motor vehicles, initial encounter	Diagnosis	ICD-10-CM
V09.09XD	Pedestrian injured in nontraffic accident involving other motor vehicles, subsequent encounter	Diagnosis	ICD-10-CM
V09.1XXA	Pedestrian injured in unspecified nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V09.1XXD	Pedestrian injured in unspecified nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V09.20XA	Pedestrian injured in traffic accident involving unspecified motor vehicles, initial encounter	Diagnosis	ICD-10-CM
V09.20XD	Pedestrian injured in traffic accident involving unspecified motor vehicles, subsequent encounter	Diagnosis	ICD-10-CM
V09.21XA	Pedestrian injured in traffic accident involving military vehicle, initial encounter	Diagnosis	ICD-10-CM
V09.21XD	Pedestrian injured in traffic accident involving military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V09.29XA	Pedestrian injured in traffic accident involving other motor vehicles, initial encounter	Diagnosis	ICD-10-CM
V09.29XD	Pedestrian injured in traffic accident involving other motor vehicles, subsequent encounter	Diagnosis	ICD-10-CM
V09.3XXA	Pedestrian injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V09.3XXD	Pedestrian injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V09.9XXA	Pedestrian injured in unspecified transport accident, initial encounter	Diagnosis	ICD-10-CM
V09.9XXD	Pedestrian injured in unspecified transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V10.0XXA	Pedal cycle driver injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V10.0XXD	Pedal cycle driver injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V10.1XXA	Pedal cycle passenger injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V10.1XXD	Pedal cycle passenger injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V10.2XXA	Unspecified pedal cyclist injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V10.2XXD	Unspecified pedal cyclist injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V10.3XXA	Person boarding or alighting a pedal cycle injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V10.3XXD	Person boarding or alighting a pedal cycle injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V10.4XXA	Pedal cycle driver injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V10.4XXD	Pedal cycle driver injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V10.5XXA	Pedal cycle passenger injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V10.5XXD	Pedal cycle passenger injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V10.9XXA	Unspecified pedal cyclist injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V10.9XXD	Unspecified pedal cyclist injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V11.0XXA	Pedal cycle driver injured in collision with other pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V11.0XXD	Pedal cycle driver injured in collision with other pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V11.1XXA	Pedal cycle passenger injured in collision with other pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V11.1XXD	Pedal cycle passenger injured in collision with other pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V11.2XXA	Unspecified pedal cyclist injured in collision with other pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V11.2XXD	Unspecified pedal cyclist injured in collision with other pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V11.3XXA	Person boarding or alighting a pedal cycle injured in collision with other pedal cycle, initial encounter	Diagnosis	ICD-10-CM
V11.3XXD	Person boarding or alighting a pedal cycle injured in collision with other pedal cycle, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V11.4XXA	Pedal cycle driver injured in collision with other pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V11.4XXD	Pedal cycle driver injured in collision with other pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V11.5XXA	Pedal cycle passenger injured in collision with other pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V11.5XXD	Pedal cycle passenger injured in collision with other pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V11.9XXA	Unspecified pedal cyclist injured in collision with other pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V11.9XXD	Unspecified pedal cyclist injured in collision with other pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V12.0XXA	Pedal cycle driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V12.0XXD	Pedal cycle driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V12.1XXA	Pedal cycle passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V12.1XXD	Pedal cycle passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V12.2XXA	Unspecified pedal cyclist injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V12.2XXD	Unspecified pedal cyclist injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V12.3XXA	Person boarding or alighting a pedal cycle injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V12.3XXD	Person boarding or alighting a pedal cycle injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V12.4XXA	Pedal cycle driver injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V12.4XXD	Pedal cycle driver injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V12.5XXA	Pedal cycle passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V12.5XXD	Pedal cycle passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V12.9XXA	Unspecified pedal cyclist injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V12.9XXD	Unspecified pedal cyclist injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V13.0XXA	Pedal cycle driver injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V13.0XXD	Pedal cycle driver injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V13.1XXA	Pedal cycle passenger injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V13.1XXD	Pedal cycle passenger injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V13.2XXA	Unspecified pedal cyclist injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V13.2XXD	Unspecified pedal cyclist injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V13.3XXA	Person boarding or alighting a pedal cycle injured in collision with car, pick-up truck or van, initial encounter	Diagnosis	ICD-10-CM
V13.3XXD	Person boarding or alighting a pedal cycle injured in collision with car, pick-up truck or van, subsequent encounter	Diagnosis	ICD-10-CM
V13.4XXA	Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V13.4XXD	Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V13.5XXA	Pedal cycle passenger injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V13.5XXD	Pedal cycle passenger injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V13.9XXA	Unspecified pedal cyclist injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V13.9XXD	Unspecified pedal cyclist injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V14.0XXA	Pedal cycle driver injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V14.0XXD	Pedal cycle driver injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V14.1XXA	Pedal cycle passenger injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V14.1XXD	Pedal cycle passenger injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V14.2XXA	Unspecified pedal cyclist injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V14.2XXD	Unspecified pedal cyclist injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V14.3XXA	Person boarding or alighting a pedal cycle injured in collision with heavy transport vehicle or bus, initial encounter	Diagnosis	ICD-10-CM
V14.3XXD	Person boarding or alighting a pedal cycle injured in collision with heavy transport vehicle or bus, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V14.4XXA	Pedal cycle driver injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V14.4XXD	Pedal cycle driver injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V14.5XXA	Pedal cycle passenger injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V14.5XXD	Pedal cycle passenger injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V14.9XXA	Unspecified pedal cyclist injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V14.9XXD	Unspecified pedal cyclist injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V15.0XXA	Pedal cycle driver injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V15.0XXD	Pedal cycle driver injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V15.1XXA	Pedal cycle passenger injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V15.1XXD	Pedal cycle passenger injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V15.2XXA	Unspecified pedal cyclist injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V15.2XXD	Unspecified pedal cyclist injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V15.3XXA	Person boarding or alighting a pedal cycle injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V15.3XXD	Person boarding or alighting a pedal cycle injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V15.4XXA	Pedal cycle driver injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V15.4XXD	Pedal cycle driver injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V15.5XXA	Pedal cycle passenger injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V15.5XXD	Pedal cycle passenger injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V15.9XXA	Unspecified pedal cyclist injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V15.9XXD	Unspecified pedal cyclist injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V16.0XXA	Pedal cycle driver injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V16.0XXD	Pedal cycle driver injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V16.1XXA	Pedal cycle passenger injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V16.1XXD	Pedal cycle passenger injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V16.2XXA	Unspecified pedal cyclist injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V16.2XXD	Unspecified pedal cyclist injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V16.3XXA	Person boarding or alighting a pedal cycle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V16.3XXD	Person boarding or alighting a pedal cycle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V16.4XXA	Pedal cycle driver injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V16.4XXD	Pedal cycle driver injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V16.5XXA	Pedal cycle passenger injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V16.5XXD	Pedal cycle passenger injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V16.9XXA	Unspecified pedal cyclist injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V16.9XXD	Unspecified pedal cyclist injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V17.0XXA	Pedal cycle driver injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V17.0XXD	Pedal cycle driver injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V17.1XXA	Pedal cycle passenger injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V17.1XXD	Pedal cycle passenger injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V17.2XXA	Unspecified pedal cyclist injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V17.2XXD	Unspecified pedal cyclist injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V17.3XXA	Person boarding or alighting a pedal cycle injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V17.3XXD	Person boarding or alighting a pedal cycle injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V17.4XXA	Pedal cycle driver injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V17.4XXD	Pedal cycle driver injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V17.5XXA	Pedal cycle passenger injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V17.5XXD	Pedal cycle passenger injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V17.9XXA	Unspecified pedal cyclist injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V17.9XXD	Unspecified pedal cyclist injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V18.0XXA	Pedal cycle driver injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V18.0XXD	Pedal cycle driver injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V18.1XXA	Pedal cycle passenger injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V18.1XXD	Pedal cycle passenger injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V18.2XXA	Unspecified pedal cyclist injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V18.2XXD	Unspecified pedal cyclist injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V18.3XXA	Person boarding or alighting a pedal cycle injured in noncollision transport accident, initial encounter	Diagnosis	ICD-10-CM
V18.3XXD	Person boarding or alighting a pedal cycle injured in noncollision transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V18.4XXA	Pedal cycle driver injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V18.4XXD	Pedal cycle driver injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V18.5XXA	Pedal cycle passenger injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V18.5XXD	Pedal cycle passenger injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V18.9XXA	Unspecified pedal cyclist injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V18.9XXD	Unspecified pedal cyclist injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.00XA	Pedal cycle driver injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V19.00XD	Pedal cycle driver injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.09XA	Pedal cycle driver injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.09XD	Pedal cycle driver injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.10XA	Pedal cycle passenger injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.10XD	Pedal cycle passenger injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.19XA	Pedal cycle passenger injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.19XD	Pedal cycle passenger injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.20XA	Unspecified pedal cyclist injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.20XD	Unspecified pedal cyclist injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.29XA	Unspecified pedal cyclist injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.29XD	Unspecified pedal cyclist injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.3XXA	Pedal cyclist (driver) (passenger) injured in unspecified nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.3XXD	Pedal cyclist (driver) (passenger) injured in unspecified nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.40XA	Pedal cycle driver injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.40XD	Pedal cycle driver injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.49XA	Pedal cycle driver injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.49XD	Pedal cycle driver injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.50XA	Pedal cycle passenger injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.50XD	Pedal cycle passenger injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.59XA	Pedal cycle passenger injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.59XD	Pedal cycle passenger injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V19.60XA	Unspecified pedal cyclist injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.60XD	Unspecified pedal cyclist injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.69XA	Unspecified pedal cyclist injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.69XD	Unspecified pedal cyclist injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V19.81XA	Pedal cyclist (driver) (passenger) injured in transport accident with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V19.81XD	Pedal cyclist (driver) (passenger) injured in transport accident with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V19.88XA	Pedal cyclist (driver) (passenger) injured in other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V19.88XD	Pedal cyclist (driver) (passenger) injured in other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V19.9XXA	Pedal cyclist (driver) (passenger) injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V19.9XXD	Pedal cyclist (driver) (passenger) injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V20.0XXA	Motorcycle driver injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V20.0XXD	Motorcycle driver injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V20.1XXA	Motorcycle passenger injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V20.1XXD	Motorcycle passenger injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V20.2XXA	Unspecified motorcycle rider injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V20.2XXD	Unspecified motorcycle rider injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V20.3XXA	Person boarding or alighting a motorcycle injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V20.3XXD	Person boarding or alighting a motorcycle injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V20.4XXA	Motorcycle driver injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V20.4XXD	Motorcycle driver injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V20.5XXA	Motorcycle passenger injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V20.5XXD	Motorcycle passenger injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V20.9XXA	Unspecified motorcycle rider injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V20.9XXD	Unspecified motorcycle rider injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V21.0XXA	Motorcycle driver injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V21.0XXD	Motorcycle driver injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V21.1XXA	Motorcycle passenger injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V21.1XXD	Motorcycle passenger injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V21.2XXA	Unspecified motorcycle rider injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V21.2XXD	Unspecified motorcycle rider injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V21.3XXA	Person boarding or alighting a motorcycle injured in collision with pedal cycle, initial encounter	Diagnosis	ICD-10-CM
V21.3XXD	Person boarding or alighting a motorcycle injured in collision with pedal cycle, subsequent encounter	Diagnosis	ICD-10-CM
V21.4XXA	Motorcycle driver injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V21.4XXD	Motorcycle driver injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V21.5XXA	Motorcycle passenger injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V21.5XXD	Motorcycle passenger injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V21.9XXA	Unspecified motorcycle rider injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V21.9XXD	Unspecified motorcycle rider injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V22.0XXA	Motorcycle driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V22.0XXD	Motorcycle driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V22.1XXA	Motorcycle passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V22.1XXD	Motorcycle passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V22.2XXA	Unspecified motorcycle rider injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V22.2XXD	Unspecified motorcycle rider injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V22.3XXA	Person boarding or alighting a motorcycle injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V22.3XXD	Person boarding or alighting a motorcycle injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V22.4XXA	Motorcycle driver injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V22.4XXD	Motorcycle driver injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V22.5XXA	Motorcycle passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V22.5XXD	Motorcycle passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V22.9XXA	Unspecified motorcycle rider injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V22.9XXD	Unspecified motorcycle rider injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V23.0XXA	Motorcycle driver injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V23.0XXD	Motorcycle driver injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V23.1XXA	Motorcycle passenger injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V23.1XXD	Motorcycle passenger injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V23.2XXA	Unspecified motorcycle rider injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V23.2XXD	Unspecified motorcycle rider injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V23.3XXA	Person boarding or alighting a motorcycle injured in collision with car, pick-up truck or van, initial encounter	Diagnosis	ICD-10-CM
V23.3XXD	Person boarding or alighting a motorcycle injured in collision with car, pick-up truck or van, subsequent encounter	Diagnosis	ICD-10-CM
V23.4XXA	Motorcycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V23.4XXD	Motorcycle driver injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V23.5XXA	Motorcycle passenger injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V23.5XXD	Motorcycle passenger injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V23.9XXA	Unspecified motorcycle rider injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V23.9XXD	Unspecified motorcycle rider injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V24.0XXA	Motorcycle driver injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V24.0XXD	Motorcycle driver injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V24.1XXA	Motorcycle passenger injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V24.1XXD	Motorcycle passenger injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V24.2XXA	Unspecified motorcycle rider injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V24.2XXD	Unspecified motorcycle rider injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V24.3XXA	Person boarding or alighting a motorcycle injured in collision with heavy transport vehicle or bus, initial encounter	Diagnosis	ICD-10-CM
V24.3XXD	Person boarding or alighting a motorcycle injured in collision with heavy transport vehicle or bus, subsequent encounter	Diagnosis	ICD-10-CM
V24.4XXA	Motorcycle driver injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V24.4XXD	Motorcycle driver injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V24.5XXA	Motorcycle passenger injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V24.5XXD	Motorcycle passenger injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V24.9XXA	Unspecified motorcycle rider injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V24.9XXD	Unspecified motorcycle rider injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V25.0XXA	Motorcycle driver injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V25.0XXD	Motorcycle driver injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V25.1XXA	Motorcycle passenger injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V25.1XXD	Motorcycle passenger injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V25.2XXA	Unspecified motorcycle rider injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V25.2XXD	Unspecified motorcycle rider injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V25.3XXA	Person boarding or alighting a motorcycle injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V25.3XXD	Person boarding or alighting a motorcycle injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V25.4XXA	Motorcycle driver injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V25.4XXD	Motorcycle driver injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V25.5XXA	Motorcycle passenger injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V25.5XXD	Motorcycle passenger injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V25.9XXA	Unspecified motorcycle rider injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V25.9XXD	Unspecified motorcycle rider injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V26.0XXA	Motorcycle driver injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V26.0XXD	Motorcycle driver injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V26.1XXA	Motorcycle passenger injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V26.1XXD	Motorcycle passenger injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V26.2XXA	Unspecified motorcycle rider injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V26.2XXD	Unspecified motorcycle rider injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V26.3XXA	Person boarding or alighting a motorcycle injured in collision with other nonmotor vehicle, initial encounter	Diagnosis	ICD-10-CM
V26.3XXD	Person boarding or alighting a motorcycle injured in collision with other nonmotor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V26.4XXA	Motorcycle driver injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V26.4XXD	Motorcycle driver injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V26.5XXA	Motorcycle passenger injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V26.5XXD	Motorcycle passenger injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V26.9XXA	Unspecified motorcycle rider injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V26.9XXD	Unspecified motorcycle rider injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V27.0XXA	Motorcycle driver injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V27.0XXD	Motorcycle driver injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V27.1XXA	Motorcycle passenger injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V27.1XXD	Motorcycle passenger injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V27.2XXA	Unspecified motorcycle rider injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V27.2XXD	Unspecified motorcycle rider injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V27.3XXA	Person boarding or alighting a motorcycle injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V27.3XXD	Person boarding or alighting a motorcycle injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V27.4XXA	Motorcycle driver injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V27.4XXD	Motorcycle driver injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V27.5XXA	Motorcycle passenger injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V27.5XXD	Motorcycle passenger injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V27.9XXA	Unspecified motorcycle rider injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V27.9XXD	Unspecified motorcycle rider injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V28.0XXA	Motorcycle driver injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V28.0XXD	Motorcycle driver injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V28.1XXA	Motorcycle passenger injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V28.1XXD	Motorcycle passenger injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V28.2XXA	Unspecified motorcycle rider injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V28.2XXD	Unspecified motorcycle rider injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V28.3XXA	Person boarding or alighting a motorcycle injured in noncollision transport accident, initial encounter	Diagnosis	ICD-10-CM
V28.3XXD	Person boarding or alighting a motorcycle injured in noncollision transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V28.4XXA	Motorcycle driver injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V28.4XXD	Motorcycle driver injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V28.5XXA	Motorcycle passenger injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V28.5XXD	Motorcycle passenger injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V28.9XXA	Unspecified motorcycle rider injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V28.9XXD	Unspecified motorcycle rider injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.00XA	Motorcycle driver injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.00XD	Motorcycle driver injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.09XA	Motorcycle driver injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.09XD	Motorcycle driver injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.10XA	Motorcycle passenger injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.10XD	Motorcycle passenger injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.19XA	Motorcycle passenger injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.19XD	Motorcycle passenger injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.20XA	Unspecified motorcycle rider injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.20XD	Unspecified motorcycle rider injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.29XA	Unspecified motorcycle rider injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V29.29XD	Unspecified motorcycle rider injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.3XXA	Motorcycle rider (driver) (passenger) injured in unspecified nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.3XXD	Motorcycle rider (driver) (passenger) injured in unspecified nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.40XA	Motorcycle driver injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.40XD	Motorcycle driver injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.49XA	Motorcycle driver injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.49XD	Motorcycle driver injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.50XA	Motorcycle passenger injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.50XD	Motorcycle passenger injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.59XA	Motorcycle passenger injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.59XD	Motorcycle passenger injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.60XA	Unspecified motorcycle rider injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.60XD	Unspecified motorcycle rider injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.69XA	Unspecified motorcycle rider injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.69XD	Unspecified motorcycle rider injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V29.81XA	Motorcycle rider (driver) (passenger) injured in transport accident with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V29.81XD	Motorcycle rider (driver) (passenger) injured in transport accident with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V29.88XA	Motorcycle rider (driver) (passenger) injured in other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V29.88XD	Motorcycle rider (driver) (passenger) injured in other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V29.9XXA	Motorcycle rider (driver) (passenger) injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V29.9XXD	Motorcycle rider (driver) (passenger) injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V30.0XXA	Driver of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V30.0XXD	Driver of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V30.1XXA	Passenger in three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V30.1XXD	Passenger in three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V30.2XXA	Person on outside of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V30.2XXD	Person on outside of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V30.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V30.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V30.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V30.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V30.5XXA	Driver of three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V30.5XXD	Driver of three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V30.6XXA	Passenger in three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V30.6XXD	Passenger in three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V30.7XXA	Person on outside of three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V30.7XXD	Person on outside of three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V30.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V30.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V31.0XXA	Driver of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V31.0XXD	Driver of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V31.1XXA	Passenger in three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V31.1XXD	Passenger in three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V31.2XXA	Person on outside of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V31.2XXD	Person on outside of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V31.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V31.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V31.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in collision with pedal cycle, initial encounter	Diagnosis	ICD-10-CM
V31.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in collision with pedal cycle, subsequent encounter	Diagnosis	ICD-10-CM
V31.5XXA	Driver of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V31.5XXD	Driver of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V31.6XXA	Passenger in three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V31.6XXD	Passenger in three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V31.7XXA	Person on outside of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V31.7XXD	Person on outside of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V31.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V31.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V32.0XXA	Driver of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V32.0XXD	Driver of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V32.1XXA	Passenger in three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V32.1XXD	Passenger in three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V32.2XXA	Person on outside of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V32.2XXD	Person on outside of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V32.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V32.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V32.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V32.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V32.5XXA	Driver of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V32.5XXD	Driver of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V32.6XXA	Passenger in three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V32.6XXD	Passenger in three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V32.7XXA	Person on outside of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V32.7XXD	Person on outside of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V32.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V32.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V33.0XXA	Driver of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V33.0XXD	Driver of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V33.1XXA	Passenger in three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V33.1XXD	Passenger in three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V33.2XXA	Person on outside of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V33.2XXD	Person on outside of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V33.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V33.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V33.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in collision with car, pick-up truck or van, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V33.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in collision with car, pick-up truck or van, subsequent encounter	Diagnosis	ICD-10-CM
V33.5XXA	Driver of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V33.5XXD	Driver of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V33.6XXA	Passenger in three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V33.6XXD	Passenger in three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V33.7XXA	Person on outside of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V33.7XXD	Person on outside of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V33.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V33.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V34.0XXA	Driver of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V34.0XXD	Driver of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V34.1XXA	Passenger in three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V34.1XXD	Passenger in three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V34.2XXA	Person on outside of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V34.2XXD	Person on outside of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V34.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V34.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V34.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus, initial encounter	Diagnosis	ICD-10-CM
V34.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus, subsequent encounter	Diagnosis	ICD-10-CM
V34.5XXA	Driver of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V34.5XXD	Driver of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V34.6XXA	Passenger in three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V34.6XXD	Passenger in three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V34.7XXA	Person on outside of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V34.7XXD	Person on outside of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V34.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V34.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V35.0XXA	Driver of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V35.0XXD	Driver of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V35.1XXA	Passenger in three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V35.1XXD	Passenger in three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V35.2XXA	Person on outside of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V35.2XXD	Person on outside of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V35.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V35.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V35.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V35.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V35.5XXA	Driver of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V35.5XXD	Driver of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V35.6XXA	Passenger in three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V35.6XXD	Passenger in three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V35.7XXA	Person on outside of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V35.7XXD	Person on outside of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V35.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V35.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V36.0XXA	Driver of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V36.0XXD	Driver of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V36.1XXA	Passenger in three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V36.1XXD	Passenger in three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V36.2XXA	Person on outside of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V36.2XXD	Person on outside of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V36.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V36.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V36.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in collision with other nonmotor vehicle, initial encounter	Diagnosis	ICD-10-CM
V36.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in collision with other nonmotor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V36.5XXA	Driver of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V36.5XXD	Driver of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V36.6XXA	Passenger in three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V36.6XXD	Passenger in three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V36.7XXA	Person on outside of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V36.7XXD	Person on outside of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V36.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V36.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V37.0XXA	Driver of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V37.0XXD	Driver of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V37.1XXA	Passenger in three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V37.1XXD	Passenger in three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V37.2XXA	Person on outside of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V37.2XXD	Person on outside of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V37.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V37.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V37.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V37.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V37.5XXA	Driver of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V37.5XXD	Driver of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V37.6XXA	Passenger in three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V37.6XXD	Passenger in three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V37.7XXA	Person on outside of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V37.7XXD	Person on outside of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V37.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V37.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.0XXA	Driver of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V38.0XXD	Driver of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.1XXA	Passenger in three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V38.1XXD	Passenger in three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.2XXA	Person on outside of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V38.2XXD	Person on outside of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.3XXA	Unspecified occupant of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V38.3XXD	Unspecified occupant of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.4XXA	Person boarding or alighting a three-wheeled motor vehicle injured in noncollision transport accident, initial encounter	Diagnosis	ICD-10-CM
V38.4XXD	Person boarding or alighting a three-wheeled motor vehicle injured in noncollision transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.5XXA	Driver of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V38.5XXD	Driver of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.6XXA	Passenger in three-wheeled motor vehicle injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V38.6XXD	Passenger in three-wheeled motor vehicle injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.7XXA	Person on outside of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V38.7XXD	Person on outside of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V38.9XXA	Unspecified occupant of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V38.9XXD	Unspecified occupant of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.00XA	Driver of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.00XD	Driver of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.09XA	Driver of three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.09XD	Driver of three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.10XA	Passenger in three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.10XD	Passenger in three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V39.19XA	Passenger in three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.19XD	Passenger in three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.20XA	Unspecified occupant of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.20XD	Unspecified occupant of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.29XA	Unspecified occupant of three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.29XD	Unspecified occupant of three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.3XXA	Occupant (driver) (passenger) of three-wheeled motor vehicle injured in unspecified nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.3XXD	Occupant (driver) (passenger) of three-wheeled motor vehicle injured in unspecified nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.40XA	Driver of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.40XD	Driver of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.49XA	Driver of three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.49XD	Driver of three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.50XA	Passenger in three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.50XD	Passenger in three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.59XA	Passenger in three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.59XD	Passenger in three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.60XA	Unspecified occupant of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.60XD	Unspecified occupant of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.69XA	Unspecified occupant of three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.69XD	Unspecified occupant of three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V39.81XA	Occupant (driver) (passenger) of three-wheeled motor vehicle injured in transport accident with military vehicle, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V39.81XD	Occupant (driver) (passenger) of three-wheeled motor vehicle injured in transport accident with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V39.89XA	Occupant (driver) (passenger) of three-wheeled motor vehicle injured in other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V39.89XD	Occupant (driver) (passenger) of three-wheeled motor vehicle injured in other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V39.9XXA	Occupant (driver) (passenger) of three-wheeled motor vehicle injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V39.9XXD	Occupant (driver) (passenger) of three-wheeled motor vehicle injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V40.0XXA	Car driver injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V40.0XXD	Car driver injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V40.1XXA	Car passenger injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V40.1XXD	Car passenger injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V40.2XXA	Person on outside of car injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V40.2XXD	Person on outside of car injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V40.3XXA	Unspecified car occupant injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V40.3XXD	Unspecified car occupant injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V40.4XXA	Person boarding or alighting a car injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V40.4XXD	Person boarding or alighting a car injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V40.5XXA	Car driver injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V40.5XXD	Car driver injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V40.6XXA	Car passenger injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V40.6XXD	Car passenger injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V40.7XXA	Person on outside of car injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V40.7XXD	Person on outside of car injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V40.9XXA	Unspecified car occupant injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V40.9XXD	Unspecified car occupant injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V41.0XXA	Car driver injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V41.0XXD	Car driver injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V41.1XXA	Car passenger injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V41.1XXD	Car passenger injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V41.2XXA	Person on outside of car injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V41.2XXD	Person on outside of car injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V41.3XXA	Unspecified car occupant injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V41.3XXD	Unspecified car occupant injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V41.4XXA	Person boarding or alighting a car injured in collision with pedal cycle, initial encounter	Diagnosis	ICD-10-CM
V41.4XXD	Person boarding or alighting a car injured in collision with pedal cycle, subsequent encounter	Diagnosis	ICD-10-CM
V41.5XXA	Car driver injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V41.5XXD	Car driver injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V41.6XXA	Car passenger injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V41.6XXD	Car passenger injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V41.7XXA	Person on outside of car injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V41.7XXD	Person on outside of car injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V41.9XXA	Unspecified car occupant injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V41.9XXD	Unspecified car occupant injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V42.0XXA	Car driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V42.0XXD	Car driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V42.1XXA	Car passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V42.1XXD	Car passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V42.2XXA	Person on outside of car injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V42.2XXD	Person on outside of car injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V42.3XXA	Unspecified car occupant injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V42.3XXD	Unspecified car occupant injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V42.4XXA	Person boarding or alighting a car injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V42.4XXD	Person boarding or alighting a car injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V42.5XXA	Car driver injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V42.5XXD	Car driver injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V42.6XXA	Car passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V42.6XXD	Car passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V42.7XXA	Person on outside of car injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V42.7XXD	Person on outside of car injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V42.9XXA	Unspecified car occupant injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V42.9XXD	Unspecified car occupant injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.01XA	Car driver injured in collision with sport utility vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.01XD	Car driver injured in collision with sport utility vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.02XA	Car driver injured in collision with other type car in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.02XD	Car driver injured in collision with other type car in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.03XA	Car driver injured in collision with pick-up truck in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V43.03XD	Car driver injured in collision with pick-up truck in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.04XA	Car driver injured in collision with van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.04XD	Car driver injured in collision with van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.11XA	Car passenger injured in collision with sport utility vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.11XD	Car passenger injured in collision with sport utility vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.12XA	Car passenger injured in collision with other type car in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.12XD	Car passenger injured in collision with other type car in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.13XA	Car passenger injured in collision with pick-up in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.13XD	Car passenger injured in collision with pick-up in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.14XA	Car passenger injured in collision with van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.14XD	Car passenger injured in collision with van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.21XA	Person on outside of car injured in collision with sport utility vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.21XD	Person on outside of car injured in collision with sport utility vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.22XA	Person on outside of car injured in collision with other type car in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.22XD	Person on outside of car injured in collision with other type car in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.23XA	Person on outside of car injured in collision with pick-up truck in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.23XD	Person on outside of car injured in collision with pick-up truck in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.24XA	Person on outside of car injured in collision with van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.24XD	Person on outside of car injured in collision with van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.31XA	Unspecified car occupant injured in collision with sport utility vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.31XD	Unspecified car occupant injured in collision with sport utility vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.32XA	Unspecified car occupant injured in collision with other type car in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.32XD	Unspecified car occupant injured in collision with other type car in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V43.33XA	Unspecified car occupant injured in collision with pick-up truck in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.33XD	Unspecified car occupant injured in collision with pick-up truck in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.34XA	Unspecified car occupant injured in collision with van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.34XD	Unspecified car occupant injured in collision with van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.41XA	Person boarding or alighting a car injured in collision with sport utility vehicle, initial encounter	Diagnosis	ICD-10-CM
V43.41XD	Person boarding or alighting a car injured in collision with sport utility vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V43.42XA	Person boarding or alighting a car injured in collision with other type car, initial encounter	Diagnosis	ICD-10-CM
V43.42XD	Person boarding or alighting a car injured in collision with other type car, subsequent encounter	Diagnosis	ICD-10-CM
V43.43XA	Person boarding or alighting a car injured in collision with pick-up truck, initial encounter	Diagnosis	ICD-10-CM
V43.43XD	Person boarding or alighting a car injured in collision with pick-up truck, subsequent encounter	Diagnosis	ICD-10-CM
V43.44XA	Person boarding or alighting a car injured in collision with van, initial encounter	Diagnosis	ICD-10-CM
V43.44XD	Person boarding or alighting a car injured in collision with van, subsequent encounter	Diagnosis	ICD-10-CM
V43.51XA	Car driver injured in collision with sport utility vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.51XD	Car driver injured in collision with sport utility vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.52XA	Car driver injured in collision with other type car in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.52XD	Car driver injured in collision with other type car in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.53XA	Car driver injured in collision with pick-up truck in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.53XD	Car driver injured in collision with pick-up truck in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.54XA	Car driver injured in collision with van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.54XD	Car driver injured in collision with van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.61XA	Car passenger injured in collision with sport utility vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.61XD	Car passenger injured in collision with sport utility vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.62XA	Car passenger injured in collision with other type car in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.62XD	Car passenger injured in collision with other type car in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V43.63XA	Car passenger injured in collision with pick-up truck in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.63XD	Car passenger injured in collision with pick-up truck in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.64XA	Car passenger injured in collision with van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.64XD	Car passenger injured in collision with van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.71XA	Person on outside of car injured in collision with sport utility vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.71XD	Person on outside of car injured in collision with sport utility vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.72XA	Person on outside of car injured in collision with other type car in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.72XD	Person on outside of car injured in collision with other type car in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.73XA	Person on outside of car injured in collision with pick-up truck in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.73XD	Person on outside of car injured in collision with pick-up truck in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.74XA	Person on outside of car injured in collision with van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.74XD	Person on outside of car injured in collision with van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.91XA	Unspecified car occupant injured in collision with sport utility vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.91XD	Unspecified car occupant injured in collision with sport utility vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.92XA	Unspecified car occupant injured in collision with other type car in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.92XD	Unspecified car occupant injured in collision with other type car in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.93XA	Unspecified car occupant injured in collision with pick-up truck in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.93XD	Unspecified car occupant injured in collision with pick-up truck in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V43.94XA	Unspecified car occupant injured in collision with van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V43.94XD	Unspecified car occupant injured in collision with van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V44.0XXA	Car driver injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V44.0XXD	Car driver injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V44.1XXA	Car passenger injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V44.1XXD	Car passenger injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V44.2XXA	Person on outside of car injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V44.2XXD	Person on outside of car injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V44.3XXA	Unspecified car occupant injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V44.3XXD	Unspecified car occupant injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V44.4XXA	Person boarding or alighting a car injured in collision with heavy transport vehicle or bus, initial encounter	Diagnosis	ICD-10-CM
V44.4XXD	Person boarding or alighting a car injured in collision with heavy transport vehicle or bus, subsequent encounter	Diagnosis	ICD-10-CM
V44.5XXA	Car driver injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V44.5XXD	Car driver injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V44.6XXA	Car passenger injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V44.6XXD	Car passenger injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V44.7XXA	Person on outside of car injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V44.7XXD	Person on outside of car injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V44.9XXA	Unspecified car occupant injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V44.9XXD	Unspecified car occupant injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V45.0XXA	Car driver injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V45.0XXD	Car driver injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V45.1XXA	Car passenger injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V45.1XXD	Car passenger injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V45.2XXA	Person on outside of car injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V45.2XXD	Person on outside of car injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V45.3XXA	Unspecified car occupant injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V45.3XXD	Unspecified car occupant injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V45.4XXA	Person boarding or alighting a car injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V45.4XXD	Person boarding or alighting a car injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V45.5XXA	Car driver injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V45.5XXD	Car driver injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V45.6XXA	Car passenger injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V45.6XXD	Car passenger injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V45.7XXA	Person on outside of car injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V45.7XXD	Person on outside of car injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V45.9XXA	Unspecified car occupant injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V45.9XXD	Unspecified car occupant injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V46.0XXA	Car driver injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V46.0XXD	Car driver injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V46.1XXA	Car passenger injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V46.1XXD	Car passenger injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V46.2XXA	Person on outside of car injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V46.2XXD	Person on outside of car injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V46.3XXA	Unspecified car occupant injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V46.3XXD	Unspecified car occupant injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V46.4XXA	Person boarding or alighting a car injured in collision with other nonmotor vehicle, initial encounter	Diagnosis	ICD-10-CM
V46.4XXD	Person boarding or alighting a car injured in collision with other nonmotor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V46.5XXA	Car driver injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V46.5XXD	Car driver injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V46.6XXA	Car passenger injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V46.6XXD	Car passenger injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V46.7XXA	Person on outside of car injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V46.7XXD	Person on outside of car injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V46.9XXA	Unspecified car occupant injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V46.9XXD	Unspecified car occupant injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V47.0XXA	Car driver injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V47.0XXD	Car driver injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V47.1XXA	Car passenger injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V47.1XXD	Car passenger injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V47.2XXA	Person on outside of car injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V47.2XXD	Person on outside of car injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V47.3XXA	Unspecified car occupant injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V47.3XXD	Unspecified car occupant injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V47.4XXA	Person boarding or alighting a car injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V47.4XXD	Person boarding or alighting a car injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V47.5XXA	Car driver injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V47.5XXD	Car driver injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V47.6XXA	Car passenger injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V47.6XXD	Car passenger injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V47.7XXA	Person on outside of car injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V47.7XXD	Person on outside of car injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V47.9XXA	Unspecified car occupant injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V47.9XXD	Unspecified car occupant injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V48.0XXA	Car driver injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V48.0XXD	Car driver injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V48.1XXA	Car passenger injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V48.1XXD	Car passenger injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V48.2XXA	Person on outside of car injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V48.2XXD	Person on outside of car injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V48.3XXA	Unspecified car occupant injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V48.3XXD	Unspecified car occupant injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V48.4XXA	Person boarding or alighting a car injured in noncollision transport accident, initial encounter	Diagnosis	ICD-10-CM
V48.4XXD	Person boarding or alighting a car injured in noncollision transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V48.5XXA	Car driver injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V48.5XXD	Car driver injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V48.6XXA	Car passenger injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V48.6XXD	Car passenger injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V48.7XXA	Person on outside of car injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V48.7XXD	Person on outside of car injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V48.9XXA	Unspecified car occupant injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V48.9XXD	Unspecified car occupant injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.00XA	Driver injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.00XD	Driver injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.09XA	Driver injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.09XD	Driver injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.10XA	Passenger injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.10XD	Passenger injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.19XA	Passenger injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.19XD	Passenger injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.20XA	Unspecified car occupant injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.20XD	Unspecified car occupant injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.29XA	Unspecified car occupant injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.29XD	Unspecified car occupant injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.3XXA	Car occupant (driver) (passenger) injured in unspecified nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.3XXD	Car occupant (driver) (passenger) injured in unspecified nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.40XA	Driver injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.40XD	Driver injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.49XA	Driver injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V49.49XD	Driver injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.50XA	Passenger injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.50XD	Passenger injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.59XA	Passenger injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.59XD	Passenger injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.60XA	Unspecified car occupant injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.60XD	Unspecified car occupant injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.69XA	Unspecified car occupant injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.69XD	Unspecified car occupant injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V49.81XA	Car occupant (driver) (passenger) injured in transport accident with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V49.81XD	Car occupant (driver) (passenger) injured in transport accident with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V49.88XA	Car occupant (driver) (passenger) injured in other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V49.88XD	Car occupant (driver) (passenger) injured in other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V49.9XXA	Car occupant (driver) (passenger) injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V49.9XXD	Car occupant (driver) (passenger) injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V50.0XXA	Driver of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V50.0XXD	Driver of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V50.1XXA	Passenger in pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V50.1XXD	Passenger in pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V50.2XXA	Person on outside of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V50.2XXD	Person on outside of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V50.3XXA	Unspecified occupant of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V50.3XXD	Unspecified occupant of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V50.4XXA	Person boarding or alighting a pick-up truck or van injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V50.4XXD	Person boarding or alighting a pick-up truck or van injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V50.5XXA	Driver of pick-up truck or van injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V50.5XXD	Driver of pick-up truck or van injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V50.6XXA	Passenger in pick-up truck or van injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V50.6XXD	Passenger in pick-up truck or van injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V50.7XXA	Person on outside of pick-up truck or van injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V50.7XXD	Person on outside of pick-up truck or van injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V50.9XXA	Unspecified occupant of pick-up truck or van injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V50.9XXD	Unspecified occupant of pick-up truck or van injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V51.0XXA	Driver of pick-up truck or van injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V51.0XXD	Driver of pick-up truck or van injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V51.1XXA	Passenger in pick-up truck or van injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V51.1XXD	Passenger in pick-up truck or van injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V51.2XXA	Person on outside of pick-up truck or van injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V51.2XXD	Person on outside of pick-up truck or van injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V51.3XXA	Unspecified occupant of pick-up truck or van injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V51.3XXD	Unspecified occupant of pick-up truck or van injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V51.4XXA	Person boarding or alighting a pick-up truck or van injured in collision with pedal cycle, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V51.4XXD	Person boarding or alighting a pick-up truck or van injured in collision with pedal cycle, subsequent encounter	Diagnosis	ICD-10-CM
V51.5XXA	Driver of pick-up truck or van injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V51.5XXD	Driver of pick-up truck or van injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V51.6XXA	Passenger in pick-up truck or van injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V51.6XXD	Passenger in pick-up truck or van injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V51.7XXA	Person on outside of pick-up truck or van injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V51.7XXD	Person on outside of pick-up truck or van injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V51.9XXA	Unspecified occupant of pick-up truck or van injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V51.9XXD	Unspecified occupant of pick-up truck or van injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V52.0XXA	Driver of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V52.0XXD	Driver of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V52.1XXA	Passenger in pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V52.1XXD	Passenger in pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V52.2XXA	Person on outside of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V52.2XXD	Person on outside of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V52.3XXA	Unspecified occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V52.3XXD	Unspecified occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V52.4XXA	Person boarding or alighting a pick-up truck or van injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V52.4XXD	Person boarding or alighting a pick-up truck or van injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V52.5XXA	Driver of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V52.5XXD	Driver of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V52.6XXA	Passenger in pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V52.6XXD	Passenger in pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V52.7XXA	Person on outside of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V52.7XXD	Person on outside of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V52.9XXA	Unspecified occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V52.9XXD	Unspecified occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V53.0XXA	Driver of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V53.0XXD	Driver of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V53.1XXA	Passenger in pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V53.1XXD	Passenger in pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V53.2XXA	Person on outside of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V53.2XXD	Person on outside of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V53.3XXA	Unspecified occupant of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V53.3XXD	Unspecified occupant of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V53.4XXA	Person boarding or alighting a pick-up truck or van injured in collision with car, pick-up truck or van, initial encounter	Diagnosis	ICD-10-CM
V53.4XXD	Person boarding or alighting a pick-up truck or van injured in collision with car, pick-up truck or van, subsequent encounter	Diagnosis	ICD-10-CM
V53.5XXA	Driver of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V53.5XXD	Driver of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V53.6XXA	Passenger in pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V53.6XXD	Passenger in pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V53.7XXA	Person on outside of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V53.7XXD	Person on outside of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V53.9XXA	Unspecified occupant of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V53.9XXD	Unspecified occupant of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V54.0XXA	Driver of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V54.0XXD	Driver of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V54.1XXA	Passenger in pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V54.1XXD	Passenger in pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V54.2XXA	Person on outside of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V54.2XXD	Person on outside of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V54.3XXA	Unspecified occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V54.3XXD	Unspecified occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V54.4XXA	Person boarding or alighting a pick-up truck or van injured in collision with heavy transport vehicle or bus, initial encounter	Diagnosis	ICD-10-CM
V54.4XXD	Person boarding or alighting a pick-up truck or van injured in collision with heavy transport vehicle or bus, subsequent encounter	Diagnosis	ICD-10-CM
V54.5XXA	Driver of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V54.5XXD	Driver of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V54.6XXA	Passenger in pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V54.6XXD	Passenger in pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V54.7XXA	Person on outside of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V54.7XXD	Person on outside of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V54.9XXA	Unspecified occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V54.9XXD	Unspecified occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V55.0XXA	Driver of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V55.0XXD	Driver of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V55.1XXA	Passenger in pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V55.1XXD	Passenger in pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V55.2XXA	Person on outside of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V55.2XXD	Person on outside of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V55.3XXA	Unspecified occupant of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V55.3XXD	Unspecified occupant of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V55.4XXA	Person boarding or alighting a pick-up truck or van injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V55.4XXD	Person boarding or alighting a pick-up truck or van injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V55.5XXA	Driver of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V55.5XXD	Driver of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V55.6XXA	Passenger in pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V55.6XXD	Passenger in pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V55.7XXA	Person on outside of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V55.7XXD	Person on outside of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V55.9XXA	Unspecified occupant of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V55.9XXD	Unspecified occupant of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V56.0XXA	Driver of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V56.0XXD	Driver of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V56.1XXA	Passenger in pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V56.1XXD	Passenger in pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V56.2XXA	Person on outside of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V56.2XXD	Person on outside of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V56.3XXA	Unspecified occupant of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V56.3XXD	Unspecified occupant of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V56.4XXA	Person boarding or alighting a pick-up truck or van injured in collision with other nonmotor vehicle, initial encounter	Diagnosis	ICD-10-CM
V56.4XXD	Person boarding or alighting a pick-up truck or van injured in collision with other nonmotor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V56.5XXA	Driver of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V56.5XXD	Driver of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V56.6XXA	Passenger in pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V56.6XXD	Passenger in pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V56.7XXA	Person on outside of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V56.7XXD	Person on outside of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V56.9XXA	Unspecified occupant of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V56.9XXD	Unspecified occupant of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V57.0XXA	Driver of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V57.0XXD	Driver of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V57.1XXA	Passenger in pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V57.1XXD	Passenger in pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V57.2XXA	Person on outside of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V57.2XXD	Person on outside of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V57.3XXA	Unspecified occupant of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V57.3XXD	Unspecified occupant of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V57.4XXA	Person boarding or alighting a pick-up truck or van injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V57.4XXD	Person boarding or alighting a pick-up truck or van injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V57.5XXA	Driver of pick-up truck or van injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V57.5XXD	Driver of pick-up truck or van injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V57.6XXA	Passenger in pick-up truck or van injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V57.6XXD	Passenger in pick-up truck or van injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V57.7XXA	Person on outside of pick-up truck or van injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V57.7XXD	Person on outside of pick-up truck or van injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V57.9XXA	Unspecified occupant of pick-up truck or van injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V57.9XXD	Unspecified occupant of pick-up truck or van injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.0XXA	Driver of pick-up truck or van injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V58.0XXD	Driver of pick-up truck or van injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.1XXA	Passenger in pick-up truck or van injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V58.1XXD	Passenger in pick-up truck or van injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.2XXA	Person on outside of pick-up truck or van injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V58.2XXD	Person on outside of pick-up truck or van injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.3XXA	Unspecified occupant of pick-up truck or van injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V58.3XXD	Unspecified occupant of pick-up truck or van injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.4XXA	Person boarding or alighting a pick-up truck or van injured in noncollision transport accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V58.4XXD	Person boarding or alighting a pick-up truck or van injured in noncollision transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.5XXA	Driver of pick-up truck or van injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V58.5XXD	Driver of pick-up truck or van injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.6XXA	Passenger in pick-up truck or van injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V58.6XXD	Passenger in pick-up truck or van injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.7XXA	Person on outside of pick-up truck or van injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V58.7XXD	Person on outside of pick-up truck or van injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V58.9XXA	Unspecified occupant of pick-up truck or van injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V58.9XXD	Unspecified occupant of pick-up truck or van injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.00XA	Driver of pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.00XD	Driver of pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.09XA	Driver of pick-up truck or van injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.09XD	Driver of pick-up truck or van injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.10XA	Passenger in pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.10XD	Passenger in pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.19XA	Passenger in pick-up truck or van injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.19XD	Passenger in pick-up truck or van injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.20XA	Unspecified occupant of pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.20XD	Unspecified occupant of pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.29XA	Unspecified occupant of pick-up truck or van injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.29XD	Unspecified occupant of pick-up truck or van injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V59.3XXA	Occupant (driver) (passenger) of pick-up truck or van injured in unspecified nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.3XXD	Occupant (driver) (passenger) of pick-up truck or van injured in unspecified nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.40XA	Driver of pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.40XD	Driver of pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.49XA	Driver of pick-up truck or van injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.49XD	Driver of pick-up truck or van injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.50XA	Passenger in pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.50XD	Passenger in pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.59XA	Passenger in pick-up truck or van injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.59XD	Passenger in pick-up truck or van injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.60XA	Unspecified occupant of pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.60XD	Unspecified occupant of pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.69XA	Unspecified occupant of pick-up truck or van injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.69XD	Unspecified occupant of pick-up truck or van injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V59.81XA	Occupant (driver) (passenger) of pick-up truck or van injured in transport accident with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V59.81XD	Occupant (driver) (passenger) of pick-up truck or van injured in transport accident with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V59.88XA	Occupant (driver) (passenger) of pick-up truck or van injured in other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V59.88XD	Occupant (driver) (passenger) of pick-up truck or van injured in other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V59.9XXA	Occupant (driver) (passenger) of pick-up truck or van injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V59.9XXD	Occupant (driver) (passenger) of pick-up truck or van injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V60.0XXA	Driver of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V60.0XXD	Driver of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V60.1XXA	Passenger in heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V60.1XXD	Passenger in heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V60.2XXA	Person on outside of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V60.2XXD	Person on outside of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V60.3XXA	Unspecified occupant of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V60.3XXD	Unspecified occupant of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V60.4XXA	Person boarding or alighting a heavy transport vehicle injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V60.4XXD	Person boarding or alighting a heavy transport vehicle injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V60.5XXA	Driver of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V60.5XXD	Driver of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V60.6XXA	Passenger in heavy transport vehicle injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V60.6XXD	Passenger in heavy transport vehicle injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V60.7XXA	Person on outside of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V60.7XXD	Person on outside of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V60.9XXA	Unspecified occupant of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V60.9XXD	Unspecified occupant of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V61.0XXA	Driver of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V61.0XXD	Driver of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V61.1XXA	Passenger in heavy transport vehicle injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V61.1XXD	Passenger in heavy transport vehicle injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V61.2XXA	Person on outside of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V61.2XXD	Person on outside of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V61.3XXA	Unspecified occupant of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V61.3XXD	Unspecified occupant of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V61.4XXA	Person boarding or alighting a heavy transport vehicle injured in collision with pedal cycle while boarding or alighting, initial encounter	Diagnosis	ICD-10-CM
V61.4XXD	Person boarding or alighting a heavy transport vehicle injured in collision with pedal cycle while boarding or alighting, subsequent encounter	Diagnosis	ICD-10-CM
V61.5XXA	Driver of heavy transport vehicle injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V61.5XXD	Driver of heavy transport vehicle injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V61.6XXA	Passenger in heavy transport vehicle injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V61.6XXD	Passenger in heavy transport vehicle injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V61.7XXA	Person on outside of heavy transport vehicle injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V61.7XXD	Person on outside of heavy transport vehicle injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V61.9XXA	Unspecified occupant of heavy transport vehicle injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V61.9XXD	Unspecified occupant of heavy transport vehicle injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V62.0XXA	Driver of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V62.0XXD	Driver of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V62.1XXA	Passenger in heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V62.1XXD	Passenger in heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V62.2XXA	Person on outside of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V62.2XXD	Person on outside of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V62.3XXA	Unspecified occupant of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V62.3XXD	Unspecified occupant of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V62.4XXA	Person boarding or alighting a heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V62.4XXD	Person boarding or alighting a heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V62.5XXA	Driver of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V62.5XXD	Driver of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V62.6XXA	Passenger in heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V62.6XXD	Passenger in heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V62.7XXA	Person on outside of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V62.7XXD	Person on outside of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V62.9XXA	Unspecified occupant of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V62.9XXD	Unspecified occupant of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V63.0XXA	Driver of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V63.0XXD	Driver of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V63.1XXA	Passenger in heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V63.1XXD	Passenger in heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V63.2XXA	Person on outside of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V63.2XXD	Person on outside of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V63.3XXA	Unspecified occupant of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V63.3XXD	Unspecified occupant of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V63.4XXA	Person boarding or alighting a heavy transport vehicle injured in collision with car, pick-up truck or van, initial encounter	Diagnosis	ICD-10-CM
V63.4XXD	Person boarding or alighting a heavy transport vehicle injured in collision with car, pick-up truck or van, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V63.5XXA	Driver of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V63.5XXD	Driver of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V63.6XXA	Passenger in heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V63.6XXD	Passenger in heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V63.7XXA	Person on outside of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V63.7XXD	Person on outside of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V63.9XXA	Unspecified occupant of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V63.9XXD	Unspecified occupant of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V64.0XXA	Driver of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V64.0XXD	Driver of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V64.1XXA	Passenger in heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V64.1XXD	Passenger in heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V64.2XXA	Person on outside of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V64.2XXD	Person on outside of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V64.3XXA	Unspecified occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V64.3XXD	Unspecified occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V64.4XXA	Person boarding or alighting a heavy transport vehicle injured in collision with heavy transport vehicle or bus while boarding or alighting, initial encounter	Diagnosis	ICD-10-CM
V64.4XXD	Person boarding or alighting a heavy transport vehicle injured in collision with heavy transport vehicle or bus while boarding or alighting, subsequent encounter	Diagnosis	ICD-10-CM
V64.5XXA	Driver of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V64.5XXD	Driver of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V64.6XXA	Passenger in heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V64.6XXD	Passenger in heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V64.7XXA	Person on outside of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V64.7XXD	Person on outside of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V64.9XXA	Unspecified occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V64.9XXD	Unspecified occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V65.0XXA	Driver of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V65.0XXD	Driver of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V65.1XXA	Passenger in heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V65.1XXD	Passenger in heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V65.2XXA	Person on outside of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V65.2XXD	Person on outside of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V65.3XXA	Unspecified occupant of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V65.3XXD	Unspecified occupant of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V65.4XXA	Person boarding or alighting a heavy transport vehicle injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V65.4XXD	Person boarding or alighting a heavy transport vehicle injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V65.5XXA	Driver of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V65.5XXD	Driver of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V65.6XXA	Passenger in heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V65.6XXD	Passenger in heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V65.7XXA	Person on outside of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V65.7XXD	Person on outside of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V65.9XXA	Unspecified occupant of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V65.9XXD	Unspecified occupant of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V66.0XXA	Driver of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V66.0XXD	Driver of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V66.1XXA	Passenger in heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V66.1XXD	Passenger in heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V66.2XXA	Person on outside of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V66.2XXD	Person on outside of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V66.3XXA	Unspecified occupant of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V66.3XXD	Unspecified occupant of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V66.4XXA	Person boarding or alighting a heavy transport vehicle injured in collision with other nonmotor vehicle, initial encounter	Diagnosis	ICD-10-CM
V66.4XXD	Person boarding or alighting a heavy transport vehicle injured in collision with other nonmotor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V66.5XXA	Driver of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V66.5XXD	Driver of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V66.6XXA	Passenger in heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V66.6XXD	Passenger in heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V66.7XXA	Person on outside of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V66.7XXD	Person on outside of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V66.9XXA	Unspecified occupant of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V66.9XXD	Unspecified occupant of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V67.0XXA	Driver of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V67.0XXD	Driver of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V67.1XXA	Passenger in heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V67.1XXD	Passenger in heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V67.2XXA	Person on outside of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V67.2XXD	Person on outside of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V67.3XXA	Unspecified occupant of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V67.3XXD	Unspecified occupant of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V67.4XXA	Person boarding or alighting a heavy transport vehicle injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V67.4XXD	Person boarding or alighting a heavy transport vehicle injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V67.5XXA	Driver of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V67.5XXD	Driver of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V67.6XXA	Passenger in heavy transport vehicle injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V67.6XXD	Passenger in heavy transport vehicle injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V67.7XXA	Person on outside of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V67.7XXD	Person on outside of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V67.9XXA	Unspecified occupant of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V67.9XXD	Unspecified occupant of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V68.0XXA	Driver of heavy transport vehicle injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V68.0XXD	Driver of heavy transport vehicle injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V68.1XXA	Passenger in heavy transport vehicle injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V68.1XXD	Passenger in heavy transport vehicle injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V68.2XXA	Person on outside of heavy transport vehicle injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V68.2XXD	Person on outside of heavy transport vehicle injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V68.3XXA	Unspecified occupant of heavy transport vehicle injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V68.3XXD	Unspecified occupant of heavy transport vehicle injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V68.4XXA	Person boarding or alighting a heavy transport vehicle injured in noncollision transport accident, initial encounter	Diagnosis	ICD-10-CM
V68.4XXD	Person boarding or alighting a heavy transport vehicle injured in noncollision transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V68.5XXA	Driver of heavy transport vehicle injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V68.5XXD	Driver of heavy transport vehicle injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V68.6XXA	Passenger in heavy transport vehicle injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V68.6XXD	Passenger in heavy transport vehicle injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V68.7XXA	Person on outside of heavy transport vehicle injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V68.7XXD	Person on outside of heavy transport vehicle injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V68.9XXA	Unspecified occupant of heavy transport vehicle injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V68.9XXD	Unspecified occupant of heavy transport vehicle injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.00XA	Driver of heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.00XD	Driver of heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.09XA	Driver of heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.09XD	Driver of heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.10XA	Passenger in heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.10XD	Passenger in heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.19XA	Passenger in heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V69.19XD	Passenger in heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.20XA	Unspecified occupant of heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.20XD	Unspecified occupant of heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.29XA	Unspecified occupant of heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.29XD	Unspecified occupant of heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.3XXA	Occupant (driver) (passenger) of heavy transport vehicle injured in unspecified nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.3XXD	Occupant (driver) (passenger) of heavy transport vehicle injured in unspecified nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.40XA	Driver of heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.40XD	Driver of heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.49XA	Driver of heavy transport vehicle injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.49XD	Driver of heavy transport vehicle injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.50XA	Passenger in heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.50XD	Passenger in heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.59XA	Passenger in heavy transport vehicle injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.59XD	Passenger in heavy transport vehicle injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.60XA	Unspecified occupant of heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.60XD	Unspecified occupant of heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.69XA	Unspecified occupant of heavy transport vehicle injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.69XD	Unspecified occupant of heavy transport vehicle injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V69.81XA	Occupant (driver) (passenger) of heavy transport vehicle injured in transport accidents with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V69.81XD	Occupant (driver) (passenger) of heavy transport vehicle injured in transport accidents with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V69.88XA	Occupant (driver) (passenger) of heavy transport vehicle injured in other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V69.88XD	Occupant (driver) (passenger) of heavy transport vehicle injured in other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V69.9XXA	Occupant (driver) (passenger) of heavy transport vehicle injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V69.9XXD	Occupant (driver) (passenger) of heavy transport vehicle injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V70.0XXA	Driver of bus injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V70.0XXD	Driver of bus injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V70.1XXA	Passenger on bus injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V70.1XXD	Passenger on bus injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V70.2XXA	Person on outside of bus injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V70.2XXD	Person on outside of bus injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V70.3XXA	Unspecified occupant of bus injured in collision with pedestrian or animal in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V70.3XXD	Unspecified occupant of bus injured in collision with pedestrian or animal in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V70.4XXA	Person boarding or alighting from bus injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V70.4XXD	Person boarding or alighting from bus injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V70.5XXA	Driver of bus injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V70.5XXD	Driver of bus injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V70.6XXA	Passenger on bus injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V70.6XXD	Passenger on bus injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V70.7XXA	Person on outside of bus injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V70.7XXD	Person on outside of bus injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V70.9XXA	Unspecified occupant of bus injured in collision with pedestrian or animal in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V70.9XXD	Unspecified occupant of bus injured in collision with pedestrian or animal in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V71.0XXA	Driver of bus injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V71.0XXD	Driver of bus injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V71.1XXA	Passenger on bus injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V71.1XXD	Passenger on bus injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V71.2XXA	Person on outside of bus injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V71.2XXD	Person on outside of bus injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V71.3XXA	Unspecified occupant of bus injured in collision with pedal cycle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V71.3XXD	Unspecified occupant of bus injured in collision with pedal cycle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V71.4XXA	Person boarding or alighting from bus injured in collision with pedal cycle, initial encounter	Diagnosis	ICD-10-CM
V71.4XXD	Person boarding or alighting from bus injured in collision with pedal cycle, subsequent encounter	Diagnosis	ICD-10-CM
V71.5XXA	Driver of bus injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V71.5XXD	Driver of bus injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V71.6XXA	Passenger on bus injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V71.6XXD	Passenger on bus injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V71.7XXA	Person on outside of bus injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V71.7XXD	Person on outside of bus injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V71.9XXA	Unspecified occupant of bus injured in collision with pedal cycle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V71.9XXD	Unspecified occupant of bus injured in collision with pedal cycle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V72.0XXA	Driver of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V72.0XXD	Driver of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V72.1XXA	Passenger on bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V72.1XXD	Passenger on bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V72.2XXA	Person on outside of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V72.2XXD	Person on outside of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V72.3XXA	Unspecified occupant of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V72.3XXD	Unspecified occupant of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V72.4XXA	Person boarding or alighting from bus injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V72.4XXD	Person boarding or alighting from bus injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V72.5XXA	Driver of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V72.5XXD	Driver of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V72.6XXA	Passenger on bus injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V72.6XXD	Passenger on bus injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V72.7XXA	Person on outside of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V72.7XXD	Person on outside of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V72.9XXA	Unspecified occupant of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V72.9XXD	Unspecified occupant of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V73.0XXA	Driver of bus injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V73.0XXD	Driver of bus injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V73.1XXA	Passenger on bus injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V73.1XXD	Passenger on bus injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V73.2XXA	Person on outside of bus injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V73.2XXD	Person on outside of bus injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V73.3XXA	Unspecified occupant of bus injured in collision with car, pick-up truck or van in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V73.3XXD	Unspecified occupant of bus injured in collision with car, pick-up truck or van in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V73.4XXA	Person boarding or alighting from bus injured in collision with car, pick-up truck or van, initial encounter	Diagnosis	ICD-10-CM
V73.4XXD	Person boarding or alighting from bus injured in collision with car, pick-up truck or van, subsequent encounter	Diagnosis	ICD-10-CM
V73.5XXA	Driver of bus injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V73.5XXD	Driver of bus injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V73.6XXA	Passenger on bus injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V73.6XXD	Passenger on bus injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V73.7XXA	Person on outside of bus injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V73.7XXD	Person on outside of bus injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V73.9XXA	Unspecified occupant of bus injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V73.9XXD	Unspecified occupant of bus injured in collision with car, pick-up truck or van in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V74.0XXA	Driver of bus injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V74.0XXD	Driver of bus injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V74.1XXA	Passenger on bus injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V74.1XXD	Passenger on bus injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V74.2XXA	Person on outside of bus injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V74.2XXD	Person on outside of bus injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V74.3XXA	Unspecified occupant of bus injured in collision with heavy transport vehicle or bus in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V74.3XXD	Unspecified occupant of bus injured in collision with heavy transport vehicle or bus in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V74.4XXA	Person boarding or alighting from bus injured in collision with heavy transport vehicle or bus, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V74.4XXD	Person boarding or alighting from bus injured in collision with heavy transport vehicle or bus, subsequent encounter	Diagnosis	ICD-10-CM
V74.5XXA	Driver of bus injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V74.5XXD	Driver of bus injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V74.6XXA	Passenger on bus injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V74.6XXD	Passenger on bus injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V74.7XXA	Person on outside of bus injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V74.7XXD	Person on outside of bus injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V74.9XXA	Unspecified occupant of bus injured in collision with heavy transport vehicle or bus in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V74.9XXD	Unspecified occupant of bus injured in collision with heavy transport vehicle or bus in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V75.0XXA	Driver of bus injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V75.0XXD	Driver of bus injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V75.1XXA	Passenger on bus injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V75.1XXD	Passenger on bus injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V75.2XXA	Person on outside of bus injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V75.2XXD	Person on outside of bus injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V75.3XXA	Unspecified occupant of bus injured in collision with railway train or railway vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V75.3XXD	Unspecified occupant of bus injured in collision with railway train or railway vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V75.4XXA	Person boarding or alighting from bus injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V75.4XXD	Person boarding or alighting from bus injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V75.5XXA	Driver of bus injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V75.5XXD	Driver of bus injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V75.6XXA	Passenger on bus injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V75.6XXD	Passenger on bus injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V75.7XXA	Person on outside of bus injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V75.7XXD	Person on outside of bus injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V75.9XXA	Unspecified occupant of bus injured in collision with railway train or railway vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V75.9XXD	Unspecified occupant of bus injured in collision with railway train or railway vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V76.0XXA	Driver of bus injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V76.0XXD	Driver of bus injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V76.1XXA	Passenger on bus injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V76.1XXD	Passenger on bus injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V76.2XXA	Person on outside of bus injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V76.2XXD	Person on outside of bus injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V76.3XXA	Unspecified occupant of bus injured in collision with other nonmotor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V76.3XXD	Unspecified occupant of bus injured in collision with other nonmotor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V76.4XXA	Person boarding or alighting from bus injured in collision with other nonmotor vehicle, initial encounter	Diagnosis	ICD-10-CM
V76.4XXD	Person boarding or alighting from bus injured in collision with other nonmotor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V76.5XXA	Driver of bus injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V76.5XXD	Driver of bus injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V76.6XXA	Passenger on bus injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V76.6XXD	Passenger on bus injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V76.7XXA	Person on outside of bus injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V76.7XXD	Person on outside of bus injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V76.9XXA	Unspecified occupant of bus injured in collision with other nonmotor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V76.9XXD	Unspecified occupant of bus injured in collision with other nonmotor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V77.0XXA	Driver of bus injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V77.0XXD	Driver of bus injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V77.1XXA	Passenger on bus injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V77.1XXD	Passenger on bus injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V77.2XXA	Person on outside of bus injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V77.2XXD	Person on outside of bus injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V77.3XXA	Unspecified occupant of bus injured in collision with fixed or stationary object in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V77.3XXD	Unspecified occupant of bus injured in collision with fixed or stationary object in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V77.4XXA	Person boarding or alighting from bus injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V77.4XXD	Person boarding or alighting from bus injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V77.5XXA	Driver of bus injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V77.5XXD	Driver of bus injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V77.6XXA	Passenger on bus injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V77.6XXD	Passenger on bus injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V77.7XXA	Person on outside of bus injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V77.7XXD	Person on outside of bus injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V77.9XXA	Unspecified occupant of bus injured in collision with fixed or stationary object in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V77.9XXD	Unspecified occupant of bus injured in collision with fixed or stationary object in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V78.0XXA	Driver of bus injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V78.0XXD	Driver of bus injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V78.1XXA	Passenger on bus injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V78.1XXD	Passenger on bus injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V78.2XXA	Person on outside of bus injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V78.2XXD	Person on outside of bus injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V78.3XXA	Unspecified occupant of bus injured in noncollision transport accident in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V78.3XXD	Unspecified occupant of bus injured in noncollision transport accident in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V78.4XXA	Person boarding or alighting from bus injured in noncollision transport accident, initial encounter	Diagnosis	ICD-10-CM
V78.4XXD	Person boarding or alighting from bus injured in noncollision transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V78.5XXA	Driver of bus injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V78.5XXD	Driver of bus injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V78.6XXA	Passenger on bus injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V78.6XXD	Passenger on bus injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V78.7XXA	Person on outside of bus injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V78.7XXD	Person on outside of bus injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V78.9XXA	Unspecified occupant of bus injured in noncollision transport accident in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V78.9XXD	Unspecified occupant of bus injured in noncollision transport accident in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.00XA	Driver of bus injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.00XD	Driver of bus injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.09XA	Driver of bus injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V79.09XD	Driver of bus injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.10XA	Passenger on bus injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.10XD	Passenger on bus injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.19XA	Passenger on bus injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.19XD	Passenger on bus injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.20XA	Unspecified bus occupant injured in collision with unspecified motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.20XD	Unspecified bus occupant injured in collision with unspecified motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.29XA	Unspecified bus occupant injured in collision with other motor vehicles in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.29XD	Unspecified bus occupant injured in collision with other motor vehicles in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.3XXA	Bus occupant (driver) (passenger) injured in unspecified nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.3XXD	Bus occupant (driver) (passenger) injured in unspecified nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.40XA	Driver of bus injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.40XD	Driver of bus injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.49XA	Driver of bus injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.49XD	Driver of bus injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.50XA	Passenger on bus injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.50XD	Passenger on bus injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.59XA	Passenger on bus injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.59XD	Passenger on bus injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.60XA	Unspecified bus occupant injured in collision with unspecified motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.60XD	Unspecified bus occupant injured in collision with unspecified motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V79.69XA	Unspecified bus occupant injured in collision with other motor vehicles in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.69XD	Unspecified bus occupant injured in collision with other motor vehicles in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V79.81XA	Bus occupant (driver) (passenger) injured in transport accidents with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V79.81XD	Bus occupant (driver) (passenger) injured in transport accidents with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V79.88XA	Bus occupant (driver) (passenger) injured in other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V79.88XD	Bus occupant (driver) (passenger) injured in other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V79.9XXA	Bus occupant (driver) (passenger) injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V79.9XXD	Bus occupant (driver) (passenger) injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V80.010A	Animal-rider injured by fall from or being thrown from horse in noncollision accident, initial encounter	Diagnosis	ICD-10-CM
V80.010D	Animal-rider injured by fall from or being thrown from horse in noncollision accident, subsequent encounter	Diagnosis	ICD-10-CM
V80.018A	Animal-rider injured by fall from or being thrown from other animal in noncollision accident, initial encounter	Diagnosis	ICD-10-CM
V80.018D	Animal-rider injured by fall from or being thrown from other animal in noncollision accident, subsequent encounter	Diagnosis	ICD-10-CM
V80.02XA	Occupant of animal-drawn vehicle injured by fall from or being thrown from animal-drawn vehicle in noncollision accident, initial encounter	Diagnosis	ICD-10-CM
V80.02XD	Occupant of animal-drawn vehicle injured by fall from or being thrown from animal-drawn vehicle in noncollision accident, subsequent encounter	Diagnosis	ICD-10-CM
V80.11XA	Animal-rider injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V80.11XD	Animal-rider injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V80.12XA	Occupant of animal-drawn vehicle injured in collision with pedestrian or animal, initial encounter	Diagnosis	ICD-10-CM
V80.12XD	Occupant of animal-drawn vehicle injured in collision with pedestrian or animal, subsequent encounter	Diagnosis	ICD-10-CM
V80.21XA	Animal-rider injured in collision with pedal cycle, initial encounter	Diagnosis	ICD-10-CM
V80.21XD	Animal-rider injured in collision with pedal cycle, subsequent encounter	Diagnosis	ICD-10-CM
V80.22XA	Occupant of animal-drawn vehicle injured in collision with pedal cycle, initial encounter	Diagnosis	ICD-10-CM
V80.22XD	Occupant of animal-drawn vehicle injured in collision with pedal cycle, subsequent encounter	Diagnosis	ICD-10-CM
V80.31XA	Animal-rider injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V80.31XD	Animal-rider injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.32XA	Occupant of animal-drawn vehicle injured in collision with two- or three-wheeled motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.32XD	Occupant of animal-drawn vehicle injured in collision with two- or three-wheeled motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.41XA	Animal-rider injured in collision with car, pick-up truck, van, heavy transport vehicle or bus, initial encounter	Diagnosis	ICD-10-CM
V80.41XD	Animal-rider injured in collision with car, pick-up truck, van, heavy transport vehicle or bus, subsequent encounter	Diagnosis	ICD-10-CM
V80.42XA	Occupant of animal-drawn vehicle injured in collision with car, pick-up truck, van, heavy transport vehicle or bus, initial encounter	Diagnosis	ICD-10-CM
V80.42XD	Occupant of animal-drawn vehicle injured in collision with car, pick-up truck, van, heavy transport vehicle or bus, subsequent encounter	Diagnosis	ICD-10-CM
V80.51XA	Animal-rider injured in collision with other specified motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.51XD	Animal-rider injured in collision with other specified motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.52XA	Occupant of animal-drawn vehicle injured in collision with other specified motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.52XD	Occupant of animal-drawn vehicle injured in collision with other specified motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.61XA	Animal-rider injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.61XD	Animal-rider injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.62XA	Occupant of animal-drawn vehicle injured in collision with railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.62XD	Occupant of animal-drawn vehicle injured in collision with railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.710A	Animal-rider injured in collision with other animal being ridden, initial encounter	Diagnosis	ICD-10-CM
V80.710D	Animal-rider injured in collision with other animal being ridden, subsequent encounter	Diagnosis	ICD-10-CM
V80.711A	Occupant of animal-drawn vehicle injured in collision with animal being ridden, initial encounter	Diagnosis	ICD-10-CM
V80.711D	Occupant of animal-drawn vehicle injured in collision with animal being ridden, subsequent encounter	Diagnosis	ICD-10-CM
V80.720A	Animal-rider injured in collision with animal-drawn vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.720D	Animal-rider injured in collision with animal-drawn vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.721A	Occupant of animal-drawn vehicle injured in collision with other animal-drawn vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.721D	Occupant of animal-drawn vehicle injured in collision with other animal-drawn vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.730A	Animal-rider injured in collision with streetcar, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V80.730D	Animal-rider injured in collision with streetcar, subsequent encounter	Diagnosis	ICD-10-CM
V80.731A	Occupant of animal-drawn vehicle injured in collision with streetcar, initial encounter	Diagnosis	ICD-10-CM
V80.731D	Occupant of animal-drawn vehicle injured in collision with streetcar, subsequent encounter	Diagnosis	ICD-10-CM
V80.790A	Animal-rider injured in collision with other nonmotor vehicles, initial encounter	Diagnosis	ICD-10-CM
V80.790D	Animal-rider injured in collision with other nonmotor vehicles, subsequent encounter	Diagnosis	ICD-10-CM
V80.791A	Occupant of animal-drawn vehicle injured in collision with other nonmotor vehicles, initial encounter	Diagnosis	ICD-10-CM
V80.791D	Occupant of animal-drawn vehicle injured in collision with other nonmotor vehicles, subsequent encounter	Diagnosis	ICD-10-CM
V80.81XA	Animal-rider injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V80.81XD	Animal-rider injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V80.82XA	Occupant of animal-drawn vehicle injured in collision with fixed or stationary object, initial encounter	Diagnosis	ICD-10-CM
V80.82XD	Occupant of animal-drawn vehicle injured in collision with fixed or stationary object, subsequent encounter	Diagnosis	ICD-10-CM
V80.910A	Animal-rider injured in transport accident with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.910D	Animal-rider injured in transport accident with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.918A	Animal-rider injured in other transport accident, initial encounter	Diagnosis	ICD-10-CM
V80.918D	Animal-rider injured in other transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V80.919A	Animal-rider injured in unspecified transport accident, initial encounter	Diagnosis	ICD-10-CM
V80.919D	Animal-rider injured in unspecified transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V80.920A	Occupant of animal-drawn vehicle injured in transport accident with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V80.920D	Occupant of animal-drawn vehicle injured in transport accident with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V80.928A	Occupant of animal-drawn vehicle injured in other transport accident, initial encounter	Diagnosis	ICD-10-CM
V80.928D	Occupant of animal-drawn vehicle injured in other transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V80.929A	Occupant of animal-drawn vehicle injured in unspecified transport accident, initial encounter	Diagnosis	ICD-10-CM
V80.929D	Occupant of animal-drawn vehicle injured in unspecified transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V81.0XXA	Occupant of railway train or railway vehicle injured in collision with motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V81.0XXD	Occupant of railway train or railway vehicle injured in collision with motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V81.1XXA	Occupant of railway train or railway vehicle injured in collision with motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V81.1XXD	Occupant of railway train or railway vehicle injured in collision with motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V81.2XXA	Occupant of railway train or railway vehicle injured in collision with or hit by rolling stock, initial encounter	Diagnosis	ICD-10-CM
V81.2XXD	Occupant of railway train or railway vehicle injured in collision with or hit by rolling stock, subsequent encounter	Diagnosis	ICD-10-CM
V81.3XXA	Occupant of railway train or railway vehicle injured in collision with other object, initial encounter	Diagnosis	ICD-10-CM
V81.3XXD	Occupant of railway train or railway vehicle injured in collision with other object, subsequent encounter	Diagnosis	ICD-10-CM
V81.4XXA	Person injured while boarding or alighting from railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V81.4XXD	Person injured while boarding or alighting from railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V81.5XXA	Occupant of railway train or railway vehicle injured by fall in railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V81.5XXD	Occupant of railway train or railway vehicle injured by fall in railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V81.6XXA	Occupant of railway train or railway vehicle injured by fall from railway train or railway vehicle, initial encounter	Diagnosis	ICD-10-CM
V81.6XXD	Occupant of railway train or railway vehicle injured by fall from railway train or railway vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V81.7XXA	Occupant of railway train or railway vehicle injured in derailment without antecedent collision, initial encounter	Diagnosis	ICD-10-CM
V81.7XXD	Occupant of railway train or railway vehicle injured in derailment without antecedent collision, subsequent encounter	Diagnosis	ICD-10-CM
V81.81XA	Occupant of railway train or railway vehicle injured due to explosion or fire on train, initial encounter	Diagnosis	ICD-10-CM
V81.81XD	Occupant of railway train or railway vehicle injured due to explosion or fire on train, subsequent encounter	Diagnosis	ICD-10-CM
V81.82XA	Occupant of railway train or railway vehicle injured due to object falling onto train, initial encounter	Diagnosis	ICD-10-CM
V81.82XD	Occupant of railway train or railway vehicle injured due to object falling onto train, subsequent encounter	Diagnosis	ICD-10-CM
V81.83XA	Occupant of railway train or railway vehicle injured due to collision with military vehicle, initial encounter	Diagnosis	ICD-10-CM
V81.83XD	Occupant of railway train or railway vehicle injured due to collision with military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V81.89XA	Occupant of railway train or railway vehicle injured due to other specified railway accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V81.89XD	Occupant of railway train or railway vehicle injured due to other specified railway accident, subsequent encounter	Diagnosis	ICD-10-CM
V81.9XXA	Occupant of railway train or railway vehicle injured in unspecified railway accident, initial encounter	Diagnosis	ICD-10-CM
V81.9XXD	Occupant of railway train or railway vehicle injured in unspecified railway accident, subsequent encounter	Diagnosis	ICD-10-CM
V82.0XXA	Occupant of streetcar injured in collision with motor vehicle in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V82.0XXD	Occupant of streetcar injured in collision with motor vehicle in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V82.1XXA	Occupant of streetcar injured in collision with motor vehicle in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V82.1XXD	Occupant of streetcar injured in collision with motor vehicle in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V82.2XXA	Occupant of streetcar injured in collision with or hit by rolling stock, initial encounter	Diagnosis	ICD-10-CM
V82.2XXD	Occupant of streetcar injured in collision with or hit by rolling stock, subsequent encounter	Diagnosis	ICD-10-CM
V82.3XXA	Occupant of streetcar injured in collision with other object, initial encounter	Diagnosis	ICD-10-CM
V82.3XXD	Occupant of streetcar injured in collision with other object, subsequent encounter	Diagnosis	ICD-10-CM
V82.4XXA	Person injured while boarding or alighting from streetcar, initial encounter	Diagnosis	ICD-10-CM
V82.4XXD	Person injured while boarding or alighting from streetcar, subsequent encounter	Diagnosis	ICD-10-CM
V82.5XXA	Occupant of streetcar injured by fall in streetcar, initial encounter	Diagnosis	ICD-10-CM
V82.5XXD	Occupant of streetcar injured by fall in streetcar, subsequent encounter	Diagnosis	ICD-10-CM
V82.6XXA	Occupant of streetcar injured by fall from streetcar, initial encounter	Diagnosis	ICD-10-CM
V82.6XXD	Occupant of streetcar injured by fall from streetcar, subsequent encounter	Diagnosis	ICD-10-CM
V82.7XXA	Occupant of streetcar injured in derailment without antecedent collision, initial encounter	Diagnosis	ICD-10-CM
V82.7XXD	Occupant of streetcar injured in derailment without antecedent collision, subsequent encounter	Diagnosis	ICD-10-CM
V82.8XXA	Occupant of streetcar injured in other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V82.8XXD	Occupant of streetcar injured in other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V82.9XXA	Occupant of streetcar injured in unspecified traffic accident, initial encounter	Diagnosis	ICD-10-CM
V82.9XXD	Occupant of streetcar injured in unspecified traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V83.0XXA	Driver of special industrial vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V83.0XXD	Driver of special industrial vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V83.1XXA	Passenger of special industrial vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V83.1XXD	Passenger of special industrial vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V83.2XXA	Person on outside of special industrial vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V83.2XXD	Person on outside of special industrial vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V83.3XXA	Unspecified occupant of special industrial vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V83.3XXD	Unspecified occupant of special industrial vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V83.4XXA	Person injured while boarding or alighting from special industrial vehicle, initial encounter	Diagnosis	ICD-10-CM
V83.4XXD	Person injured while boarding or alighting from special industrial vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V83.5XXA	Driver of special industrial vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V83.5XXD	Driver of special industrial vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V83.6XXA	Passenger of special industrial vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V83.6XXD	Passenger of special industrial vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V83.7XXA	Person on outside of special industrial vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V83.7XXD	Person on outside of special industrial vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V83.9XXA	Unspecified occupant of special industrial vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V83.9XXD	Unspecified occupant of special industrial vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V84.0XXA	Driver of special agricultural vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V84.0XXD	Driver of special agricultural vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V84.1XXA	Passenger of special agricultural vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V84.1XXD	Passenger of special agricultural vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V84.2XXA	Person on outside of special agricultural vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V84.2XXD	Person on outside of special agricultural vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V84.3XXA	Unspecified occupant of special agricultural vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V84.3XXD	Unspecified occupant of special agricultural vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V84.4XXA	Person injured while boarding or alighting from special agricultural vehicle, initial encounter	Diagnosis	ICD-10-CM
V84.4XXD	Person injured while boarding or alighting from special agricultural vehicle, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V84.5XXA	Driver of special agricultural vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V84.5XXD	Driver of special agricultural vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V84.6XXA	Passenger of special agricultural vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V84.6XXD	Passenger of special agricultural vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V84.7XXA	Person on outside of special agricultural vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V84.7XXD	Person on outside of special agricultural vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V84.9XXA	Unspecified occupant of special agricultural vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V84.9XXD	Unspecified occupant of special agricultural vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V85.0XXA	Driver of special construction vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V85.0XXD	Driver of special construction vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V85.1XXA	Passenger of special construction vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V85.1XXD	Passenger of special construction vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V85.2XXA	Person on outside of special construction vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V85.2XXD	Person on outside of special construction vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V85.3XXA	Unspecified occupant of special construction vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V85.3XXD	Unspecified occupant of special construction vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V85.4XXA	Person injured while boarding or alighting from special construction vehicle, initial encounter	Diagnosis	ICD-10-CM
V85.4XXD	Person injured while boarding or alighting from special construction vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V85.5XXA	Driver of special construction vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V85.5XXD	Driver of special construction vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V85.6XXA	Passenger of special construction vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V85.6XXD	Passenger of special construction vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V85.7XXA	Person on outside of special construction vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V85.7XXD	Person on outside of special construction vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V85.9XXA	Unspecified occupant of special construction vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V85.9XXD	Unspecified occupant of special construction vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.01XA	Driver of ambulance or fire engine injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.01XD	Driver of ambulance or fire engine injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.02XA	Driver of snowmobile injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.02XD	Driver of snowmobile injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.03XA	Driver of dune buggy injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.03XD	Driver of dune buggy injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.04XA	Driver of military vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.04XD	Driver of military vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.05XA	Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.05XD	Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.06XA	Driver of dirt bike or motor/cross bike injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.06XD	Driver of dirt bike or motor/cross bike injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.09XA	Driver of other special all-terrain or other off-road motor vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.09XD	Driver of other special all-terrain or other off-road motor vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.11XA	Passenger of ambulance or fire engine injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.11XD	Passenger of ambulance or fire engine injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.12XA	Passenger of snowmobile injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.12XD	Passenger of snowmobile injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.13XA	Passenger of dune buggy injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.13XD	Passenger of dune buggy injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.14XA	Passenger of military vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.14XD	Passenger of military vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.15XA	Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.15XD	Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.16XA	Passenger of dirt bike or motor/cross bike injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.16XD	Passenger of dirt bike or motor/cross bike injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V86.19XA	Passenger of other special all-terrain or other off-road motor vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.19XD	Passenger of other special all-terrain or other off-road motor vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.21XA	Person on outside of ambulance or fire engine injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.21XD	Person on outside of ambulance or fire engine injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.22XA	Person on outside of snowmobile injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.22XD	Person on outside of snowmobile injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.23XA	Person on outside of dune buggy injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.23XD	Person on outside of dune buggy injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.24XA	Person on outside of military vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.24XD	Person on outside of military vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.25XA	Person on outside of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.25XD	Person on outside of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.26XA	Person on outside of dirt bike or motor/cross bike injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.26XD	Person on outside of dirt bike or motor/cross bike injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.29XA	Person on outside of other special all-terrain or other off-road motor vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.29XD	Person on outside of other special all-terrain or other off-road motor vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.31XA	Unspecified occupant of ambulance or fire engine injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.31XD	Unspecified occupant of ambulance or fire engine injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.32XA	Unspecified occupant of snowmobile injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.32XD	Unspecified occupant of snowmobile injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.33XA	Unspecified occupant of dune buggy injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.33XD	Unspecified occupant of dune buggy injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.34XA	Unspecified occupant of military vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.34XD	Unspecified occupant of military vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.35XA	Unspecified occupant of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V86.35XD	Unspecified occupant of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.36XA	Unspecified occupant of dirt bike or motor/cross bike injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.36XD	Unspecified occupant of dirt bike or motor/cross bike injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.39XA	Unspecified occupant of other special all-terrain or other off-road motor vehicle injured in traffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.39XD	Unspecified occupant of other special all-terrain or other off-road motor vehicle injured in traffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.41XA	Person injured while boarding or alighting from ambulance or fire engine, initial encounter	Diagnosis	ICD-10-CM
V86.41XD	Person injured while boarding or alighting from ambulance or fire engine, subsequent encounter	Diagnosis	ICD-10-CM
V86.42XA	Person injured while boarding or alighting from snowmobile, initial encounter	Diagnosis	ICD-10-CM
V86.42XD	Person injured while boarding or alighting from snowmobile, subsequent encounter	Diagnosis	ICD-10-CM
V86.43XA	Person injured while boarding or alighting from dune buggy, initial encounter	Diagnosis	ICD-10-CM
V86.43XD	Person injured while boarding or alighting from dune buggy, subsequent encounter	Diagnosis	ICD-10-CM
V86.44XA	Person injured while boarding or alighting from military vehicle, initial encounter	Diagnosis	ICD-10-CM
V86.44XD	Person injured while boarding or alighting from military vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V86.45XA	Person injured while boarding or alighting from a 3- or 4- wheeled all-terrain vehicle (ATV), initial encounter	Diagnosis	ICD-10-CM
V86.45XD	Person injured while boarding or alighting from a 3- or 4- wheeled all-terrain vehicle (ATV), subsequent encounter	Diagnosis	ICD-10-CM
V86.46XA	Person injured while boarding or alighting from a dirt bike or motor/cross bike, initial encounter	Diagnosis	ICD-10-CM
V86.46XD	Person injured while boarding or alighting from a dirt bike or motor/cross bike, subsequent encounter	Diagnosis	ICD-10-CM
V86.49XA	Person injured while boarding or alighting from other special all-terrain or other off-road motor vehicle, initial encounter	Diagnosis	ICD-10-CM
V86.49XD	Person injured while boarding or alighting from other special all-terrain or other off-road motor vehicle, subsequent encounter	Diagnosis	ICD-10-CM
V86.51XA	Driver of ambulance or fire engine injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.51XD	Driver of ambulance or fire engine injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.52XA	Driver of snowmobile injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.52XD	Driver of snowmobile injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.53XA	Driver of dune buggy injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.53XD	Driver of dune buggy injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.54XA	Driver of military vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.54XD	Driver of military vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V86.55XA	Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.55XD	Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.56XA	Driver of dirt bike or motor/cross bike injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.56XD	Driver of dirt bike or motor/cross bike injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.59XA	Driver of other special all-terrain or other off-road motor vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.59XD	Driver of other special all-terrain or other off-road motor vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.61XA	Passenger of ambulance or fire engine injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.61XD	Passenger of ambulance or fire engine injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.62XA	Passenger of snowmobile injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.62XD	Passenger of snowmobile injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.63XA	Passenger of dune buggy injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.63XD	Passenger of dune buggy injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.64XA	Passenger of military vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.64XD	Passenger of military vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.65XA	Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.65XD	Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.66XA	Passenger of dirt bike or motor/cross bike injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.66XD	Passenger of dirt bike or motor/cross bike injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.69XA	Passenger of other special all-terrain or other off-road motor vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.69XD	Passenger of other special all-terrain or other off-road motor vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.71XA	Person on outside of ambulance or fire engine injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.71XD	Person on outside of ambulance or fire engine injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.72XA	Person on outside of snowmobile injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.72XD	Person on outside of snowmobile injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.73XA	Person on outside of dune buggy injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V86.73XD	Person on outside of dune buggy injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.74XA	Person on outside of military vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.74XD	Person on outside of military vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.75XA	Person on outside of 3- or 4- wheeled all-terrain vehicle (ATV) injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.75XD	Person on outside of 3- or 4- wheeled all-terrain vehicle (ATV) injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.76XA	Person on outside of dirt bike or motor/cross bike injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.76XD	Person on outside of dirt bike or motor/cross bike injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.79XA	Person on outside of other special all-terrain or other off-road motor vehicles injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.79XD	Person on outside of other special all-terrain or other off-road motor vehicles injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.91XA	Unspecified occupant of ambulance or fire engine injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.91XD	Unspecified occupant of ambulance or fire engine injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.92XA	Unspecified occupant of snowmobile injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.92XD	Unspecified occupant of snowmobile injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.93XA	Unspecified occupant of dune buggy injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.93XD	Unspecified occupant of dune buggy injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.94XA	Unspecified occupant of military vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.94XD	Unspecified occupant of military vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.95XA	Unspecified occupant of 3- or 4- wheeled all-terrain vehicle (ATV) injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.95XD	Unspecified occupant of 3- or 4- wheeled all-terrain vehicle (ATV) injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.96XA	Unspecified occupant of dirt bike or motor/cross bike injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.96XD	Unspecified occupant of dirt bike or motor/cross bike injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM
V86.99XA	Unspecified occupant of other special all-terrain or other off-road motor vehicle injured in nontraffic accident, initial encounter	Diagnosis	ICD-10-CM
V86.99XD	Unspecified occupant of other special all-terrain or other off-road motor vehicle injured in nontraffic accident, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V87.0XXA	Person injured in collision between car and two- or three-wheeled powered vehicle (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.0XXD	Person injured in collision between car and two- or three-wheeled powered vehicle (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.1XXA	Person injured in collision between other motor vehicle and two- or three-wheeled motor vehicle (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.1XXD	Person injured in collision between other motor vehicle and two- or three-wheeled motor vehicle (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.2XXA	Person injured in collision between car and pick-up truck or van (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.2XXD	Person injured in collision between car and pick-up truck or van (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.3XXA	Person injured in collision between car and bus (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.3XXD	Person injured in collision between car and bus (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.4XXA	Person injured in collision between car and heavy transport vehicle (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.4XXD	Person injured in collision between car and heavy transport vehicle (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.5XXA	Person injured in collision between heavy transport vehicle and bus (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.5XXD	Person injured in collision between heavy transport vehicle and bus (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.6XXA	Person injured in collision between railway train or railway vehicle and car (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.6XXD	Person injured in collision between railway train or railway vehicle and car (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.7XXA	Person injured in collision between other specified motor vehicles (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.7XXD	Person injured in collision between other specified motor vehicles (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.8XXA	Person injured in other specified noncollision transport accidents involving motor vehicle (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.8XXD	Person injured in other specified noncollision transport accidents involving motor vehicle (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V87.9XXA	Person injured in other specified (collision)(noncollision) transport accidents involving nonmotor vehicle (traffic), initial encounter	Diagnosis	ICD-10-CM
V87.9XXD	Person injured in other specified (collision)(noncollision) transport accidents involving nonmotor vehicle (traffic), subsequent encounter	Diagnosis	ICD-10-CM
V88.0XXA	Person injured in collision between car and two- or three-wheeled motor vehicle, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.0XXD	Person injured in collision between car and two- or three-wheeled motor vehicle, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V88.1XXA	Person injured in collision between other motor vehicle and two- or three-wheeled motor vehicle, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.1XXD	Person injured in collision between other motor vehicle and two- or three-wheeled motor vehicle, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V88.2XXA	Person injured in collision between car and pick-up truck or van, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.2XXD	Person injured in collision between car and pick-up truck or van, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V88.3XXA	Person injured in collision between car and bus, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.3XXD	Person injured in collision between car and bus, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V88.4XXA	Person injured in collision between car and heavy transport vehicle, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.4XXD	Person injured in collision between car and heavy transport vehicle, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V88.5XXA	Person injured in collision between heavy transport vehicle and bus, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.5XXD	Person injured in collision between heavy transport vehicle and bus, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V88.6XXA	Person injured in collision between railway train or railway vehicle and car, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.6XXD	Person injured in collision between railway train or railway vehicle and car, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V88.7XXA	Person injured in collision between other specified motor vehicle, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.7XXD	Person injured in collision between other specified motor vehicle, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V88.8XXA	Person injured in other specified noncollision transport accidents involving motor vehicle, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.8XXD	Person injured in other specified noncollision transport accidents involving motor vehicle, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V88.9XXA	Person injured in other specified (collision)(noncollision) transport accidents involving nonmotor vehicle, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V88.9XXD	Person injured in other specified (collision)(noncollision) transport accidents involving nonmotor vehicle, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V89.0XXA	Person injured in unspecified motor-vehicle accident, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V89.0XXD	Person injured in unspecified motor-vehicle accident, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V89.1XXA	Person injured in unspecified nonmotor-vehicle accident, nontraffic, initial encounter	Diagnosis	ICD-10-CM
V89.1XXD	Person injured in unspecified nonmotor-vehicle accident, nontraffic, subsequent encounter	Diagnosis	ICD-10-CM
V89.2XXA	Person injured in unspecified motor-vehicle accident, traffic, initial encounter	Diagnosis	ICD-10-CM
V89.2XXD	Person injured in unspecified motor-vehicle accident, traffic, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V89.3XXA	Person injured in unspecified nonmotor-vehicle accident, traffic, initial encounter	Diagnosis	ICD-10-CM
V89.3XXD	Person injured in unspecified nonmotor-vehicle accident, traffic, subsequent encounter	Diagnosis	ICD-10-CM
V89.9XXA	Person injured in unspecified vehicle accident, initial encounter	Diagnosis	ICD-10-CM
V89.9XXD	Person injured in unspecified vehicle accident, subsequent encounter	Diagnosis	ICD-10-CM
V90.00XA	Drowning and submersion due to merchant ship overturning, initial encounter	Diagnosis	ICD-10-CM
V90.00XD	Drowning and submersion due to merchant ship overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.01XA	Drowning and submersion due to passenger ship overturning, initial encounter	Diagnosis	ICD-10-CM
V90.01XD	Drowning and submersion due to passenger ship overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.02XA	Drowning and submersion due to fishing boat overturning, initial encounter	Diagnosis	ICD-10-CM
V90.02XD	Drowning and submersion due to fishing boat overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.03XA	Drowning and submersion due to other powered watercraft overturning, initial encounter	Diagnosis	ICD-10-CM
V90.03XD	Drowning and submersion due to other powered watercraft overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.04XA	Drowning and submersion due to sailboat overturning, initial encounter	Diagnosis	ICD-10-CM
V90.04XD	Drowning and submersion due to sailboat overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.05XA	Drowning and submersion due to canoe or kayak overturning, initial encounter	Diagnosis	ICD-10-CM
V90.05XD	Drowning and submersion due to canoe or kayak overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.06XA	Drowning and submersion due to (nonpowered) inflatable craft overturning, initial encounter	Diagnosis	ICD-10-CM
V90.06XD	Drowning and submersion due to (nonpowered) inflatable craft overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.08XA	Drowning and submersion due to other unpowered watercraft overturning, initial encounter	Diagnosis	ICD-10-CM
V90.08XD	Drowning and submersion due to other unpowered watercraft overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.09XA	Drowning and submersion due to unspecified watercraft overturning, initial encounter	Diagnosis	ICD-10-CM
V90.09XD	Drowning and submersion due to unspecified watercraft overturning, subsequent encounter	Diagnosis	ICD-10-CM
V90.10XA	Drowning and submersion due to merchant ship sinking, initial encounter	Diagnosis	ICD-10-CM
V90.10XD	Drowning and submersion due to merchant ship sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.11XA	Drowning and submersion due to passenger ship sinking, initial encounter	Diagnosis	ICD-10-CM
V90.11XD	Drowning and submersion due to passenger ship sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.12XA	Drowning and submersion due to fishing boat sinking, initial encounter	Diagnosis	ICD-10-CM
V90.12XD	Drowning and submersion due to fishing boat sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.13XA	Drowning and submersion due to other powered watercraft sinking, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V90.13XD	Drowning and submersion due to other powered watercraft sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.14XA	Drowning and submersion due to sailboat sinking, initial encounter	Diagnosis	ICD-10-CM
V90.14XD	Drowning and submersion due to sailboat sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.15XA	Drowning and submersion due to canoe or kayak sinking, initial encounter	Diagnosis	ICD-10-CM
V90.15XD	Drowning and submersion due to canoe or kayak sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.16XA	Drowning and submersion due to (nonpowered) inflatable craft sinking, initial encounter	Diagnosis	ICD-10-CM
V90.16XD	Drowning and submersion due to (nonpowered) inflatable craft sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.18XA	Drowning and submersion due to other unpowered watercraft sinking, initial encounter	Diagnosis	ICD-10-CM
V90.18XD	Drowning and submersion due to other unpowered watercraft sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.19XA	Drowning and submersion due to unspecified watercraft sinking, initial encounter	Diagnosis	ICD-10-CM
V90.19XD	Drowning and submersion due to unspecified watercraft sinking, subsequent encounter	Diagnosis	ICD-10-CM
V90.20XA	Drowning and submersion due to falling or jumping from burning merchant ship, initial encounter	Diagnosis	ICD-10-CM
V90.20XD	Drowning and submersion due to falling or jumping from burning merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V90.21XA	Drowning and submersion due to falling or jumping from burning passenger ship, initial encounter	Diagnosis	ICD-10-CM
V90.21XD	Drowning and submersion due to falling or jumping from burning passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V90.22XA	Drowning and submersion due to falling or jumping from burning fishing boat, initial encounter	Diagnosis	ICD-10-CM
V90.22XD	Drowning and submersion due to falling or jumping from burning fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V90.23XA	Drowning and submersion due to falling or jumping from other burning powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.23XD	Drowning and submersion due to falling or jumping from other burning powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V90.24XA	Drowning and submersion due to falling or jumping from burning sailboat, initial encounter	Diagnosis	ICD-10-CM
V90.24XD	Drowning and submersion due to falling or jumping from burning sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V90.25XA	Drowning and submersion due to falling or jumping from burning canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V90.25XD	Drowning and submersion due to falling or jumping from burning canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V90.26XA	Drowning and submersion due to falling or jumping from burning (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V90.26XD	Drowning and submersion due to falling or jumping from burning (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V90.27XA	Drowning and submersion due to falling or jumping from burning water-skis, initial encounter	Diagnosis	ICD-10-CM
V90.27XD	Drowning and submersion due to falling or jumping from burning water-skis, subsequent encounter	Diagnosis	ICD-10-CM
V90.28XA	Drowning and submersion due to falling or jumping from other burning unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.28XD	Drowning and submersion due to falling or jumping from other burning unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V90.29XA	Drowning and submersion due to falling or jumping from unspecified burning watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.29XD	Drowning and submersion due to falling or jumping from unspecified burning watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V90.30XA	Drowning and submersion due to falling or jumping from crushed merchant ship, initial encounter	Diagnosis	ICD-10-CM
V90.30XD	Drowning and submersion due to falling or jumping from crushed merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V90.31XA	Drowning and submersion due to falling or jumping from crushed passenger ship, initial encounter	Diagnosis	ICD-10-CM
V90.31XD	Drowning and submersion due to falling or jumping from crushed passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V90.32XA	Drowning and submersion due to falling or jumping from crushed fishing boat, initial encounter	Diagnosis	ICD-10-CM
V90.32XD	Drowning and submersion due to falling or jumping from crushed fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V90.33XA	Drowning and submersion due to falling or jumping from other crushed powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.33XD	Drowning and submersion due to falling or jumping from other crushed powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V90.34XA	Drowning and submersion due to falling or jumping from crushed sailboat, initial encounter	Diagnosis	ICD-10-CM
V90.34XD	Drowning and submersion due to falling or jumping from crushed sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V90.35XA	Drowning and submersion due to falling or jumping from crushed canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V90.35XD	Drowning and submersion due to falling or jumping from crushed canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V90.36XA	Drowning and submersion due to falling or jumping from crushed (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V90.36XD	Drowning and submersion due to falling or jumping from crushed (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V90.37XA	Drowning and submersion due to falling or jumping from crushed water-skis, initial encounter	Diagnosis	ICD-10-CM
V90.37XD	Drowning and submersion due to falling or jumping from crushed water-skis, subsequent encounter	Diagnosis	ICD-10-CM
V90.38XA	Drowning and submersion due to falling or jumping from other crushed unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.38XD	Drowning and submersion due to falling or jumping from other crushed unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V90.39XA	Drowning and submersion due to falling or jumping from crushed unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.39XD	Drowning and submersion due to falling or jumping from crushed unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V90.80XA	Drowning and submersion due to other accident to merchant ship, initial encounter	Diagnosis	ICD-10-CM
V90.80XD	Drowning and submersion due to other accident to merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V90.81XA	Drowning and submersion due to other accident to passenger ship, initial encounter	Diagnosis	ICD-10-CM
V90.81XD	Drowning and submersion due to other accident to passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V90.82XA	Drowning and submersion due to other accident to fishing boat, initial encounter	Diagnosis	ICD-10-CM
V90.82XD	Drowning and submersion due to other accident to fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V90.83XA	Drowning and submersion due to other accident to other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.83XD	Drowning and submersion due to other accident to other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V90.84XA	Drowning and submersion due to other accident to sailboat, initial encounter	Diagnosis	ICD-10-CM
V90.84XD	Drowning and submersion due to other accident to sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V90.85XA	Drowning and submersion due to other accident to canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V90.85XD	Drowning and submersion due to other accident to canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V90.86XA	Drowning and submersion due to other accident to (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V90.86XD	Drowning and submersion due to other accident to (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V90.87XA	Drowning and submersion due to other accident to water-skis, initial encounter	Diagnosis	ICD-10-CM
V90.87XD	Drowning and submersion due to other accident to water-skis, subsequent encounter	Diagnosis	ICD-10-CM
V90.88XA	Drowning and submersion due to other accident to other unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.88XD	Drowning and submersion due to other accident to other unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V90.89XA	Drowning and submersion due to other accident to unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V90.89XD	Drowning and submersion due to other accident to unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V91.00XA	Burn due to merchant ship on fire, initial encounter	Diagnosis	ICD-10-CM
V91.00XD	Burn due to merchant ship on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.01XA	Burn due to passenger ship on fire, initial encounter	Diagnosis	ICD-10-CM
V91.01XD	Burn due to passenger ship on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.02XA	Burn due to fishing boat on fire, initial encounter	Diagnosis	ICD-10-CM
V91.02XD	Burn due to fishing boat on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.03XA	Burn due to other powered watercraft on fire, initial encounter	Diagnosis	ICD-10-CM
V91.03XD	Burn due to other powered watercraft on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.04XA	Burn due to sailboat on fire, initial encounter	Diagnosis	ICD-10-CM
V91.04XD	Burn due to sailboat on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.05XA	Burn due to canoe or kayak on fire, initial encounter	Diagnosis	ICD-10-CM
V91.05XD	Burn due to canoe or kayak on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.06XA	Burn due to (nonpowered) inflatable craft on fire, initial encounter	Diagnosis	ICD-10-CM
V91.06XD	Burn due to (nonpowered) inflatable craft on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.07XA	Burn due to water-skis on fire, initial encounter	Diagnosis	ICD-10-CM
V91.07XD	Burn due to water-skis on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.08XA	Burn due to other unpowered watercraft on fire, initial encounter	Diagnosis	ICD-10-CM
V91.08XD	Burn due to other unpowered watercraft on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.09XA	Burn due to unspecified watercraft on fire, initial encounter	Diagnosis	ICD-10-CM
V91.09XD	Burn due to unspecified watercraft on fire, subsequent encounter	Diagnosis	ICD-10-CM
V91.10XA	Crushed between merchant ship and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM
V91.10XD	Crushed between merchant ship and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.11XA	Crushed between passenger ship and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM
V91.11XD	Crushed between passenger ship and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.12XA	Crushed between fishing boat and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM
V91.12XD	Crushed between fishing boat and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.13XA	Crushed between other powered watercraft and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM
V91.13XD	Crushed between other powered watercraft and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.14XA	Crushed between sailboat and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V91.14XD	Crushed between sailboat and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.15XA	Crushed between canoe or kayak and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM
V91.15XD	Crushed between canoe or kayak and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.16XA	Crushed between (nonpowered) inflatable craft and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM
V91.16XD	Crushed between (nonpowered) inflatable craft and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.18XA	Crushed between other unpowered watercraft and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM
V91.18XD	Crushed between other unpowered watercraft and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.19XA	Crushed between unspecified watercraft and other watercraft or other object due to collision, initial encounter	Diagnosis	ICD-10-CM
V91.19XD	Crushed between unspecified watercraft and other watercraft or other object due to collision, subsequent encounter	Diagnosis	ICD-10-CM
V91.20XA	Fall due to collision between merchant ship and other watercraft or other object, initial encounter	Diagnosis	ICD-10-CM
V91.20XD	Fall due to collision between merchant ship and other watercraft or other object, subsequent encounter	Diagnosis	ICD-10-CM
V91.21XA	Fall due to collision between passenger ship and other watercraft or other object, initial encounter	Diagnosis	ICD-10-CM
V91.21XD	Fall due to collision between passenger ship and other watercraft or other object, subsequent encounter	Diagnosis	ICD-10-CM
V91.22XA	Fall due to collision between fishing boat and other watercraft or other object, initial encounter	Diagnosis	ICD-10-CM
V91.22XD	Fall due to collision between fishing boat and other watercraft or other object, subsequent encounter	Diagnosis	ICD-10-CM
V91.23XA	Fall due to collision between other powered watercraft and other watercraft or other object, initial encounter	Diagnosis	ICD-10-CM
V91.23XD	Fall due to collision between other powered watercraft and other watercraft or other object, subsequent encounter	Diagnosis	ICD-10-CM
V91.24XA	Fall due to collision between sailboat and other watercraft or other object, initial encounter	Diagnosis	ICD-10-CM
V91.24XD	Fall due to collision between sailboat and other watercraft or other object, subsequent encounter	Diagnosis	ICD-10-CM
V91.25XA	Fall due to collision between canoe or kayak and other watercraft or other object, initial encounter	Diagnosis	ICD-10-CM
V91.25XD	Fall due to collision between canoe or kayak and other watercraft or other object, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V91.26XA	Fall due to collision between (nonpowered) inflatable craft and other watercraft or other object, initial encounter	Diagnosis	ICD-10-CM
V91.26XD	Fall due to collision between (nonpowered) inflatable craft and other watercraft or other object, subsequent encounter	Diagnosis	ICD-10-CM
V91.29XA	Fall due to collision between unspecified watercraft and other watercraft or other object, initial encounter	Diagnosis	ICD-10-CM
V91.29XD	Fall due to collision between unspecified watercraft and other watercraft or other object, subsequent encounter	Diagnosis	ICD-10-CM
V91.30XA	Hit or struck by falling object due to accident to merchant ship, initial encounter	Diagnosis	ICD-10-CM
V91.30XD	Hit or struck by falling object due to accident to merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V91.31XA	Hit or struck by falling object due to accident to passenger ship, initial encounter	Diagnosis	ICD-10-CM
V91.31XD	Hit or struck by falling object due to accident to passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V91.32XA	Hit or struck by falling object due to accident to fishing boat, initial encounter	Diagnosis	ICD-10-CM
V91.32XD	Hit or struck by falling object due to accident to fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V91.33XA	Hit or struck by falling object due to accident to other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V91.33XD	Hit or struck by falling object due to accident to other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V91.34XA	Hit or struck by falling object due to accident to sailboat, initial encounter	Diagnosis	ICD-10-CM
V91.34XD	Hit or struck by falling object due to accident to sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V91.35XA	Hit or struck by falling object due to accident to canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V91.35XD	Hit or struck by falling object due to accident to canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V91.36XA	Hit or struck by falling object due to accident to (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V91.36XD	Hit or struck by falling object due to accident to (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V91.37XA	Hit or struck by falling object due to accident to water-skis, initial encounter	Diagnosis	ICD-10-CM
V91.37XD	Hit or struck by falling object due to accident to water-skis, subsequent encounter	Diagnosis	ICD-10-CM
V91.38XA	Hit or struck by falling object due to accident to other unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V91.38XD	Hit or struck by falling object due to accident to other unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V91.39XA	Hit or struck by falling object due to accident to unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V91.39XD	Hit or struck by falling object due to accident to unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V91.80XA	Other injury due to other accident to merchant ship, initial encounter	Diagnosis	ICD-10-CM
V91.80XD	Other injury due to other accident to merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V91.81XA	Other injury due to other accident to passenger ship, initial encounter	Diagnosis	ICD-10-CM
V91.81XD	Other injury due to other accident to passenger ship, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V91.82XA	Other injury due to other accident to fishing boat, initial encounter	Diagnosis	ICD-10-CM
V91.82XD	Other injury due to other accident to fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V91.83XA	Other injury due to other accident to other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V91.83XD	Other injury due to other accident to other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V91.84XA	Other injury due to other accident to sailboat, initial encounter	Diagnosis	ICD-10-CM
V91.84XD	Other injury due to other accident to sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V91.85XA	Other injury due to other accident to canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V91.85XD	Other injury due to other accident to canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V91.86XA	Other injury due to other accident to (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V91.86XD	Other injury due to other accident to (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V91.87XA	Other injury due to other accident to water-skis, initial encounter	Diagnosis	ICD-10-CM
V91.87XD	Other injury due to other accident to water-skis, subsequent encounter	Diagnosis	ICD-10-CM
V91.88XA	Other injury due to other accident to other unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V91.88XD	Other injury due to other accident to other unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V91.89XA	Other injury due to other accident to unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V91.89XD	Other injury due to other accident to unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V92.00XA	Drowning and submersion due to fall off merchant ship, initial encounter	Diagnosis	ICD-10-CM
V92.00XD	Drowning and submersion due to fall off merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V92.01XA	Drowning and submersion due to fall off passenger ship, initial encounter	Diagnosis	ICD-10-CM
V92.01XD	Drowning and submersion due to fall off passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V92.02XA	Drowning and submersion due to fall off fishing boat, initial encounter	Diagnosis	ICD-10-CM
V92.02XD	Drowning and submersion due to fall off fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V92.03XA	Drowning and submersion due to fall off other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V92.03XD	Drowning and submersion due to fall off other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V92.04XA	Drowning and submersion due to fall off sailboat, initial encounter	Diagnosis	ICD-10-CM
V92.04XD	Drowning and submersion due to fall off sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V92.05XA	Drowning and submersion due to fall off canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V92.05XD	Drowning and submersion due to fall off canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V92.06XA	Drowning and submersion due to fall off (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V92.06XD	Drowning and submersion due to fall off (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V92.07XA	Drowning and submersion due to fall off water-skis, initial encounter	Diagnosis	ICD-10-CM
V92.07XD	Drowning and submersion due to fall off water-skis, subsequent encounter	Diagnosis	ICD-10-CM
V92.08XA	Drowning and submersion due to fall off other unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V92.08XD	Drowning and submersion due to fall off other unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V92.09XA	Drowning and submersion due to fall off unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V92.09XD	Drowning and submersion due to fall off unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V92.10XA	Drowning and submersion due to being thrown overboard by motion of merchant ship, initial encounter	Diagnosis	ICD-10-CM
V92.10XD	Drowning and submersion due to being thrown overboard by motion of merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V92.11XA	Drowning and submersion due to being thrown overboard by motion of passenger ship, initial encounter	Diagnosis	ICD-10-CM
V92.11XD	Drowning and submersion due to being thrown overboard by motion of passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V92.12XA	Drowning and submersion due to being thrown overboard by motion of fishing boat, initial encounter	Diagnosis	ICD-10-CM
V92.12XD	Drowning and submersion due to being thrown overboard by motion of fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V92.13XA	Drowning and submersion due to being thrown overboard by motion of other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V92.13XD	Drowning and submersion due to being thrown overboard by motion of other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V92.14XA	Drowning and submersion due to being thrown overboard by motion of sailboat, initial encounter	Diagnosis	ICD-10-CM
V92.14XD	Drowning and submersion due to being thrown overboard by motion of sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V92.15XA	Drowning and submersion due to being thrown overboard by motion of canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V92.15XD	Drowning and submersion due to being thrown overboard by motion of canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V92.16XA	Drowning and submersion due to being thrown overboard by motion of (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V92.16XD	Drowning and submersion due to being thrown overboard by motion of (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V92.19XA	Drowning and submersion due to being thrown overboard by motion of unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V92.19XD	Drowning and submersion due to being thrown overboard by motion of unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V92.20XA	Drowning and submersion due to being washed overboard from merchant ship, initial encounter	Diagnosis	ICD-10-CM
V92.20XD	Drowning and submersion due to being washed overboard from merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V92.21XA	Drowning and submersion due to being washed overboard from passenger ship, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V92.21XD	Drowning and submersion due to being washed overboard from passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V92.22XA	Drowning and submersion due to being washed overboard from fishing boat, initial encounter	Diagnosis	ICD-10-CM
V92.22XD	Drowning and submersion due to being washed overboard from fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V92.23XA	Drowning and submersion due to being washed overboard from other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V92.23XD	Drowning and submersion due to being washed overboard from other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V92.24XA	Drowning and submersion due to being washed overboard from sailboat, initial encounter	Diagnosis	ICD-10-CM
V92.24XD	Drowning and submersion due to being washed overboard from sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V92.25XA	Drowning and submersion due to being washed overboard from canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V92.25XD	Drowning and submersion due to being washed overboard from canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V92.26XA	Drowning and submersion due to being washed overboard from (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V92.26XD	Drowning and submersion due to being washed overboard from (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V92.27XA	Drowning and submersion due to being washed overboard from water-skis, initial encounter	Diagnosis	ICD-10-CM
V92.27XD	Drowning and submersion due to being washed overboard from water-skis, subsequent encounter	Diagnosis	ICD-10-CM
V92.28XA	Drowning and submersion due to being washed overboard from other unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V92.28XD	Drowning and submersion due to being washed overboard from other unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V92.29XA	Drowning and submersion due to being washed overboard from unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V92.29XD	Drowning and submersion due to being washed overboard from unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.00XA	Burn due to localized fire on board merchant vessel, initial encounter	Diagnosis	ICD-10-CM
V93.00XD	Burn due to localized fire on board merchant vessel, subsequent encounter	Diagnosis	ICD-10-CM
V93.01XA	Burn due to localized fire on board passenger vessel, initial encounter	Diagnosis	ICD-10-CM
V93.01XD	Burn due to localized fire on board passenger vessel, subsequent encounter	Diagnosis	ICD-10-CM
V93.02XA	Burn due to localized fire on board fishing boat, initial encounter	Diagnosis	ICD-10-CM
V93.02XD	Burn due to localized fire on board fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V93.03XA	Burn due to localized fire on board other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.03XD	Burn due to localized fire on board other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V93.04XA	Burn due to localized fire on board sailboat, initial encounter	Diagnosis	ICD-10-CM
V93.04XD	Burn due to localized fire on board sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V93.09XA	Burn due to localized fire on board unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.09XD	Burn due to localized fire on board unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.10XA	Other burn on board merchant vessel, initial encounter	Diagnosis	ICD-10-CM
V93.10XD	Other burn on board merchant vessel, subsequent encounter	Diagnosis	ICD-10-CM
V93.11XA	Other burn on board passenger vessel, initial encounter	Diagnosis	ICD-10-CM
V93.11XD	Other burn on board passenger vessel, subsequent encounter	Diagnosis	ICD-10-CM
V93.12XA	Other burn on board fishing boat, initial encounter	Diagnosis	ICD-10-CM
V93.12XD	Other burn on board fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V93.13XA	Other burn on board other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.13XD	Other burn on board other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.14XA	Other burn on board sailboat, initial encounter	Diagnosis	ICD-10-CM
V93.14XD	Other burn on board sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V93.19XA	Other burn on board unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.19XD	Other burn on board unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.20XA	Heat exposure on board merchant ship, initial encounter	Diagnosis	ICD-10-CM
V93.20XD	Heat exposure on board merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.21XA	Heat exposure on board passenger ship, initial encounter	Diagnosis	ICD-10-CM
V93.21XD	Heat exposure on board passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.22XA	Heat exposure on board fishing boat, initial encounter	Diagnosis	ICD-10-CM
V93.22XD	Heat exposure on board fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V93.23XA	Heat exposure on board other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.23XD	Heat exposure on board other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.24XA	Heat exposure on board sailboat, initial encounter	Diagnosis	ICD-10-CM
V93.24XD	Heat exposure on board sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V93.29XA	Heat exposure on board unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.29XD	Heat exposure on board unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.30XA	Fall on board merchant ship, initial encounter	Diagnosis	ICD-10-CM
V93.30XD	Fall on board merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.31XA	Fall on board passenger ship, initial encounter	Diagnosis	ICD-10-CM
V93.31XD	Fall on board passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.32XA	Fall on board fishing boat, initial encounter	Diagnosis	ICD-10-CM
V93.32XD	Fall on board fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V93.33XA	Fall on board other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.33XD	Fall on board other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.34XA	Fall on board sailboat, initial encounter	Diagnosis	ICD-10-CM
V93.34XD	Fall on board sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V93.35XA	Fall on board canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V93.35XD	Fall on board canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V93.36XA	Fall on board (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V93.36XD	Fall on board (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V93.38XA	Fall on board other unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V93.38XD	Fall on board other unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.39XA	Fall on board unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.39XD	Fall on board unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.40XA	Struck by falling object on merchant ship, initial encounter	Diagnosis	ICD-10-CM
V93.40XD	Struck by falling object on merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.41XA	Struck by falling object on passenger ship, initial encounter	Diagnosis	ICD-10-CM
V93.41XD	Struck by falling object on passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.42XA	Struck by falling object on fishing boat, initial encounter	Diagnosis	ICD-10-CM
V93.42XD	Struck by falling object on fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V93.43XA	Struck by falling object on other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.43XD	Struck by falling object on other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.44XA	Struck by falling object on sailboat, initial encounter	Diagnosis	ICD-10-CM
V93.44XD	Struck by falling object on sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V93.48XA	Struck by falling object on other unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.48XD	Struck by falling object on other unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.49XA	Struck by falling object on unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.49XD	Struck by falling object on unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.50XA	Explosion on board merchant ship, initial encounter	Diagnosis	ICD-10-CM
V93.50XD	Explosion on board merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.51XA	Explosion on board passenger ship, initial encounter	Diagnosis	ICD-10-CM
V93.51XD	Explosion on board passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.52XA	Explosion on board fishing boat, initial encounter	Diagnosis	ICD-10-CM
V93.52XD	Explosion on board fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V93.53XA	Explosion on board other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.53XD	Explosion on board other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.54XA	Explosion on board sailboat, initial encounter	Diagnosis	ICD-10-CM
V93.54XD	Explosion on board sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V93.59XA	Explosion on board unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.59XD	Explosion on board unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.60XA	Machinery accident on board merchant ship, initial encounter	Diagnosis	ICD-10-CM
V93.60XD	Machinery accident on board merchant ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.61XA	Machinery accident on board passenger ship, initial encounter	Diagnosis	ICD-10-CM
V93.61XD	Machinery accident on board passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.62XA	Machinery accident on board fishing boat, initial encounter	Diagnosis	ICD-10-CM
V93.62XD	Machinery accident on board fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V93.63XA	Machinery accident on board other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.63XD	Machinery accident on board other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.64XA	Machinery accident on board sailboat, initial encounter	Diagnosis	ICD-10-CM
V93.64XD	Machinery accident on board sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V93.69XA	Machinery accident on board unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.69XD	Machinery accident on board unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.80XA	Other injury due to other accident on board merchant ship, initial encounter	Diagnosis	ICD-10-CM
V93.80XD	Other injury due to other accident on board merchant ship, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V93.81XA	Other injury due to other accident on board passenger ship, initial encounter	Diagnosis	ICD-10-CM
V93.81XD	Other injury due to other accident on board passenger ship, subsequent encounter	Diagnosis	ICD-10-CM
V93.82XA	Other injury due to other accident on board fishing boat, initial encounter	Diagnosis	ICD-10-CM
V93.82XD	Other injury due to other accident on board fishing boat, subsequent encounter	Diagnosis	ICD-10-CM
V93.83XA	Other injury due to other accident on board other powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.83XD	Other injury due to other accident on board other powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.84XA	Other injury due to other accident on board sailboat, initial encounter	Diagnosis	ICD-10-CM
V93.84XD	Other injury due to other accident on board sailboat, subsequent encounter	Diagnosis	ICD-10-CM
V93.85XA	Other injury due to other accident on board canoe or kayak, initial encounter	Diagnosis	ICD-10-CM
V93.85XD	Other injury due to other accident on board canoe or kayak, subsequent encounter	Diagnosis	ICD-10-CM
V93.86XA	Other injury due to other accident on board (nonpowered) inflatable craft, initial encounter	Diagnosis	ICD-10-CM
V93.86XD	Other injury due to other accident on board (nonpowered) inflatable craft, subsequent encounter	Diagnosis	ICD-10-CM
V93.87XA	Other injury due to other accident on board water-skis, initial encounter	Diagnosis	ICD-10-CM
V93.87XD	Other injury due to other accident on board water-skis, subsequent encounter	Diagnosis	ICD-10-CM
V93.88XA	Other injury due to other accident on board other unpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.88XD	Other injury due to other accident on board other unpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V93.89XA	Other injury due to other accident on board unspecified watercraft, initial encounter	Diagnosis	ICD-10-CM
V93.89XD	Other injury due to other accident on board unspecified watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.0XXA	Hitting object or bottom of body of water due to fall from watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.0XXD	Hitting object or bottom of body of water due to fall from watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.11XA	Bather struck by powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.11XD	Bather struck by powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.12XA	Bather struck by nonpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.12XD	Bather struck by nonpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.21XA	Rider of nonpowered watercraft struck by other nonpowered watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.21XD	Rider of nonpowered watercraft struck by other nonpowered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.22XA	Rider of nonpowered watercraft struck by powered watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.22XD	Rider of nonpowered watercraft struck by powered watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.31XA	Injury to rider of (inflatable) recreational watercraft being pulled behind other watercraft, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V94.31XD	Injury to rider of (inflatable) recreational watercraft being pulled behind other watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.32XA	Injury to rider of non-recreational watercraft being pulled behind other watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.32XD	Injury to rider of non-recreational watercraft being pulled behind other watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.4XXA	Injury to barefoot water-skier, initial encounter	Diagnosis	ICD-10-CM
V94.4XXD	Injury to barefoot water-skier, subsequent encounter	Diagnosis	ICD-10-CM
V94.810A	Civilian watercraft involved in water transport accident with military watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.810D	Civilian watercraft involved in water transport accident with military watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.811A	Civilian in water injured by military watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.811D	Civilian in water injured by military watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.818A	Other water transport accident involving military watercraft, initial encounter	Diagnosis	ICD-10-CM
V94.818D	Other water transport accident involving military watercraft, subsequent encounter	Diagnosis	ICD-10-CM
V94.89XA	Other water transport accident, initial encounter	Diagnosis	ICD-10-CM
V94.89XD	Other water transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V94.9XXA	Unspecified water transport accident, initial encounter	Diagnosis	ICD-10-CM
V94.9XXD	Unspecified water transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V95.00XA	Unspecified helicopter accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.00XD	Unspecified helicopter accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.01XA	Helicopter crash injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.01XD	Helicopter crash injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.02XA	Forced landing of helicopter injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.02XD	Forced landing of helicopter injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.03XA	Helicopter collision injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.03XD	Helicopter collision injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.04XA	Helicopter fire injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.04XD	Helicopter fire injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.05XA	Helicopter explosion injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.05XD	Helicopter explosion injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.09XA	Other helicopter accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.09XD	Other helicopter accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.10XA	Unspecified ultralight, microlight or powered-glider accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.10XD	Unspecified ultralight, microlight or powered-glider accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.11XA	Ultralight, microlight or powered-glider crash injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.11XD	Ultralight, microlight or powered-glider crash injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.12XA	Forced landing of ultralight, microlight or powered-glider injuring occupant, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V95.12XD	Forced landing of ultralight, microlight or powered-glider injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.13XA	Ultralight, microlight or powered-glider collision injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.13XD	Ultralight, microlight or powered-glider collision injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.14XA	Ultralight, microlight or powered-glider fire injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.14XD	Ultralight, microlight or powered-glider fire injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.15XA	Ultralight, microlight or powered-glider explosion injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.15XD	Ultralight, microlight or powered-glider explosion injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.19XA	Other ultralight, microlight or powered-glider accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.19XD	Other ultralight, microlight or powered-glider accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.20XA	Unspecified accident to other private fixed-wing aircraft, injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.20XD	Unspecified accident to other private fixed-wing aircraft, injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.21XA	Other private fixed-wing aircraft crash injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.21XD	Other private fixed-wing aircraft crash injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.22XA	Forced landing of other private fixed-wing aircraft injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.22XD	Forced landing of other private fixed-wing aircraft injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.23XA	Other private fixed-wing aircraft collision injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.23XD	Other private fixed-wing aircraft collision injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.24XA	Other private fixed-wing aircraft fire injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.24XD	Other private fixed-wing aircraft fire injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.25XA	Other private fixed-wing aircraft explosion injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.25XD	Other private fixed-wing aircraft explosion injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.29XA	Other accident to other private fixed-wing aircraft injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.29XD	Other accident to other private fixed-wing aircraft injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.30XA	Unspecified accident to commercial fixed-wing aircraft injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.30XD	Unspecified accident to commercial fixed-wing aircraft injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.31XA	Commercial fixed-wing aircraft crash injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.31XD	Commercial fixed-wing aircraft crash injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.32XA	Forced landing of commercial fixed-wing aircraft injuring occupant, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V95.32XD	Forced landing of commercial fixed-wing aircraft injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.33XA	Commercial fixed-wing aircraft collision injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.33XD	Commercial fixed-wing aircraft collision injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.34XA	Commercial fixed-wing aircraft fire injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.34XD	Commercial fixed-wing aircraft fire injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.35XA	Commercial fixed-wing aircraft explosion injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.35XD	Commercial fixed-wing aircraft explosion injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.39XA	Other accident to commercial fixed-wing aircraft injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.39XD	Other accident to commercial fixed-wing aircraft injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.40XA	Unspecified spacecraft accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.40XD	Unspecified spacecraft accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.41XA	Spacecraft crash injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.41XD	Spacecraft crash injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.42XA	Forced landing of spacecraft injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.42XD	Forced landing of spacecraft injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.43XA	Spacecraft collision injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.43XD	Spacecraft collision injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.44XA	Spacecraft fire injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.44XD	Spacecraft fire injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.45XA	Spacecraft explosion injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.45XD	Spacecraft explosion injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.49XA	Other spacecraft accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.49XD	Other spacecraft accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.8XXA	Other powered aircraft accidents injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.8XXD	Other powered aircraft accidents injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V95.9XXA	Unspecified aircraft accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V95.9XXD	Unspecified aircraft accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.00XA	Unspecified balloon accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.00XD	Unspecified balloon accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.01XA	Balloon crash injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.01XD	Balloon crash injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.02XA	Forced landing of balloon injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.02XD	Forced landing of balloon injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.03XA	Balloon collision injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.03XD	Balloon collision injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.04XA	Balloon fire injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.04XD	Balloon fire injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.05XA	Balloon explosion injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.05XD	Balloon explosion injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.09XA	Other balloon accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.09XD	Other balloon accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V96.10XA	Unspecified hang-glider accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.10XD	Unspecified hang-glider accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.11XA	Hang-glider crash injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.11XD	Hang-glider crash injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.12XA	Forced landing of hang-glider injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.12XD	Forced landing of hang-glider injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.13XA	Hang-glider collision injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.13XD	Hang-glider collision injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.14XA	Hang-glider fire injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.14XD	Hang-glider fire injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.15XA	Hang-glider explosion injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.15XD	Hang-glider explosion injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.19XA	Other hang-glider accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.19XD	Other hang-glider accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.20XA	Unspecified glider (nonpowered) accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.20XD	Unspecified glider (nonpowered) accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.21XA	Glider (nonpowered) crash injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.21XD	Glider (nonpowered) crash injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.22XA	Forced landing of glider (nonpowered) injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.22XD	Forced landing of glider (nonpowered) injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.23XA	Glider (nonpowered) collision injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.23XD	Glider (nonpowered) collision injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.24XA	Glider (nonpowered) fire injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.24XD	Glider (nonpowered) fire injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.25XA	Glider (nonpowered) explosion injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.25XD	Glider (nonpowered) explosion injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.29XA	Other glider (nonpowered) accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.29XD	Other glider (nonpowered) accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.8XXA	Other nonpowered-aircraft accidents injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.8XXD	Other nonpowered-aircraft accidents injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V96.9XXA	Unspecified nonpowered-aircraft accident injuring occupant, initial encounter	Diagnosis	ICD-10-CM
V96.9XXD	Unspecified nonpowered-aircraft accident injuring occupant, subsequent encounter	Diagnosis	ICD-10-CM
V97.0XXA	Occupant of aircraft injured in other specified air transport accidents, initial encounter	Diagnosis	ICD-10-CM
V97.0XXD	Occupant of aircraft injured in other specified air transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V97.1XXA	Person injured while boarding or alighting from aircraft, initial encounter	Diagnosis	ICD-10-CM
V97.1XXD	Person injured while boarding or alighting from aircraft, subsequent encounter	Diagnosis	ICD-10-CM
V97.21XA	Parachutist entangled in object, initial encounter	Diagnosis	ICD-10-CM
V97.21XD	Parachutist entangled in object, subsequent encounter	Diagnosis	ICD-10-CM
V97.22XA	Parachutist injured on landing, initial encounter	Diagnosis	ICD-10-CM
V97.22XD	Parachutist injured on landing, subsequent encounter	Diagnosis	ICD-10-CM
V97.29XA	Other parachutist accident, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V97.29XD	Other parachutist accident, subsequent encounter	Diagnosis	ICD-10-CM
V97.31XA	Hit by object falling from aircraft, initial encounter	Diagnosis	ICD-10-CM
V97.31XD	Hit by object falling from aircraft, subsequent encounter	Diagnosis	ICD-10-CM
V97.32XA	Injured by rotating propeller, initial encounter	Diagnosis	ICD-10-CM
V97.32XD	Injured by rotating propeller, subsequent encounter	Diagnosis	ICD-10-CM
V97.33XA	Sucked into jet engine, initial encounter	Diagnosis	ICD-10-CM
V97.33XD	Sucked into jet engine, subsequent encounter	Diagnosis	ICD-10-CM
V97.39XA	Other injury to person on ground due to air transport accident, initial encounter	Diagnosis	ICD-10-CM
V97.39XD	Other injury to person on ground due to air transport accident, subsequent encounter	Diagnosis	ICD-10-CM
V97.810A	Civilian aircraft involved in air transport accident with military aircraft, initial encounter	Diagnosis	ICD-10-CM
V97.810D	Civilian aircraft involved in air transport accident with military aircraft, subsequent encounter	Diagnosis	ICD-10-CM
V97.811A	Civilian injured by military aircraft, initial encounter	Diagnosis	ICD-10-CM
V97.811D	Civilian injured by military aircraft, subsequent encounter	Diagnosis	ICD-10-CM
V97.818A	Other air transport accident involving military aircraft, initial encounter	Diagnosis	ICD-10-CM
V97.818D	Other air transport accident involving military aircraft, subsequent encounter	Diagnosis	ICD-10-CM
V97.89XA	Other air transport accidents, not elsewhere classified, initial encounter	Diagnosis	ICD-10-CM
V97.89XD	Other air transport accidents, not elsewhere classified, subsequent encounter	Diagnosis	ICD-10-CM
V98.0XXA	Accident to, on or involving cable-car, not on rails, initial encounter	Diagnosis	ICD-10-CM
V98.0XXD	Accident to, on or involving cable-car, not on rails, subsequent encounter	Diagnosis	ICD-10-CM
V98.1XXA	Accident to, on or involving land-yacht, initial encounter	Diagnosis	ICD-10-CM
V98.1XXD	Accident to, on or involving land-yacht, subsequent encounter	Diagnosis	ICD-10-CM
V98.2XXA	Accident to, on or involving ice yacht, initial encounter	Diagnosis	ICD-10-CM
V98.2XXD	Accident to, on or involving ice yacht, subsequent encounter	Diagnosis	ICD-10-CM
V98.3XXA	Accident to, on or involving ski lift, initial encounter	Diagnosis	ICD-10-CM
V98.3XXD	Accident to, on or involving ski lift, subsequent encounter	Diagnosis	ICD-10-CM
V98.8XXA	Other specified transport accidents, initial encounter	Diagnosis	ICD-10-CM
V98.8XXD	Other specified transport accidents, subsequent encounter	Diagnosis	ICD-10-CM
V99.XXXA	Unspecified transport accident, initial encounter	Diagnosis	ICD-10-CM
V99.XXXD	Unspecified transport accident, subsequent encounter	Diagnosis	ICD-10-CM
W00.1XXA	Fall from stairs and steps due to ice and snow, initial encounter	Diagnosis	ICD-10-CM
W00.1XXD	Fall from stairs and steps due to ice and snow, subsequent encounter	Diagnosis	ICD-10-CM
W00.2XXA	Other fall from one level to another due to ice and snow, initial encounter	Diagnosis	ICD-10-CM
W00.2XXD	Other fall from one level to another due to ice and snow, subsequent encounter	Diagnosis	ICD-10-CM
W05.0XXA	Fall from non-moving wheelchair, initial encounter	Diagnosis	ICD-10-CM
W05.0XXD	Fall from non-moving wheelchair, subsequent encounter	Diagnosis	ICD-10-CM
W05.1XXA	Fall from non-moving nonmotorized scooter, initial encounter	Diagnosis	ICD-10-CM
W05.1XXD	Fall from non-moving nonmotorized scooter, subsequent encounter	Diagnosis	ICD-10-CM
W05.2XXA	Fall from non-moving motorized mobility scooter, initial encounter	Diagnosis	ICD-10-CM
W05.2XXD	Fall from non-moving motorized mobility scooter, subsequent encounter	Diagnosis	ICD-10-CM
W06.XXXA	Fall from bed, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W06.XXXD	Fall from bed, subsequent encounter	Diagnosis	ICD-10-CM
W07.XXXA	Fall from chair, initial encounter	Diagnosis	ICD-10-CM
W07.XXXD	Fall from chair, subsequent encounter	Diagnosis	ICD-10-CM
W08.XXXA	Fall from other furniture, initial encounter	Diagnosis	ICD-10-CM
W08.XXXD	Fall from other furniture, subsequent encounter	Diagnosis	ICD-10-CM
W09.0XXA	Fall on or from playground slide, initial encounter	Diagnosis	ICD-10-CM
W09.0XXD	Fall on or from playground slide, subsequent encounter	Diagnosis	ICD-10-CM
W09.1XXA	Fall from playground swing, initial encounter	Diagnosis	ICD-10-CM
W09.1XXD	Fall from playground swing, subsequent encounter	Diagnosis	ICD-10-CM
W09.2XXA	Fall on or from jungle gym, initial encounter	Diagnosis	ICD-10-CM
W09.2XXD	Fall on or from jungle gym, subsequent encounter	Diagnosis	ICD-10-CM
W09.8XXA	Fall on or from other playground equipment, initial encounter	Diagnosis	ICD-10-CM
W09.8XXD	Fall on or from other playground equipment, subsequent encounter	Diagnosis	ICD-10-CM
W11.XXXA	Fall on and from ladder, initial encounter	Diagnosis	ICD-10-CM
W11.XXXD	Fall on and from ladder, subsequent encounter	Diagnosis	ICD-10-CM
W12.XXXA	Fall on and from scaffolding, initial encounter	Diagnosis	ICD-10-CM
W12.XXXD	Fall on and from scaffolding, subsequent encounter	Diagnosis	ICD-10-CM
W13.0XXA	Fall from, out of or through balcony, initial encounter	Diagnosis	ICD-10-CM
W13.0XXD	Fall from, out of or through balcony, subsequent encounter	Diagnosis	ICD-10-CM
W13.1XXA	Fall from, out of or through bridge, initial encounter	Diagnosis	ICD-10-CM
W13.1XXD	Fall from, out of or through bridge, subsequent encounter	Diagnosis	ICD-10-CM
W13.2XXA	Fall from, out of or through roof, initial encounter	Diagnosis	ICD-10-CM
W13.2XXD	Fall from, out of or through roof, subsequent encounter	Diagnosis	ICD-10-CM
W13.3XXA	Fall through floor, initial encounter	Diagnosis	ICD-10-CM
W13.3XXD	Fall through floor, subsequent encounter	Diagnosis	ICD-10-CM
W13.4XXA	Fall from, out of or through window, initial encounter	Diagnosis	ICD-10-CM
W13.4XXD	Fall from, out of or through window, subsequent encounter	Diagnosis	ICD-10-CM
W13.8XXA	Fall from, out of or through other building or structure, initial encounter	Diagnosis	ICD-10-CM
W13.8XXD	Fall from, out of or through other building or structure, subsequent encounter	Diagnosis	ICD-10-CM
W13.9XXA	Fall from, out of or through building, not otherwise specified, initial encounter	Diagnosis	ICD-10-CM
W13.9XXD	Fall from, out of or through building, not otherwise specified, subsequent encounter	Diagnosis	ICD-10-CM
W14.XXXA	Fall from tree, initial encounter	Diagnosis	ICD-10-CM
W14.XXXD	Fall from tree, subsequent encounter	Diagnosis	ICD-10-CM
W15.XXXA	Fall from cliff, initial encounter	Diagnosis	ICD-10-CM
W15.XXXD	Fall from cliff, subsequent encounter	Diagnosis	ICD-10-CM
W16.011A	Fall into swimming pool striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.011D	Fall into swimming pool striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.012A	Fall into swimming pool striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W16.012D	Fall into swimming pool striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.021A	Fall into swimming pool striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.021D	Fall into swimming pool striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.022A	Fall into swimming pool striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.022D	Fall into swimming pool striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.031A	Fall into swimming pool striking wall causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.031D	Fall into swimming pool striking wall causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.032A	Fall into swimming pool striking wall causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.032D	Fall into swimming pool striking wall causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.111A	Fall into natural body of water striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.111D	Fall into natural body of water striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.112A	Fall into natural body of water striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.112D	Fall into natural body of water striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.121A	Fall into natural body of water striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.121D	Fall into natural body of water striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.122A	Fall into natural body of water striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.122D	Fall into natural body of water striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.131A	Fall into natural body of water striking side causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.131D	Fall into natural body of water striking side causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.132A	Fall into natural body of water striking side causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.132D	Fall into natural body of water striking side causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.211A	Fall in (into) filled bathtub causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.211D	Fall in (into) filled bathtub causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.212A	Fall in (into) filled bathtub causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.212D	Fall in (into) filled bathtub causing other injury, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W16.221A	Fall in (into) bucket of water causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.221D	Fall in (into) bucket of water causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.222A	Fall in (into) bucket of water causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.222D	Fall in (into) bucket of water causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.311A	Fall into other water striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.311D	Fall into other water striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.312A	Fall into other water striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.312D	Fall into other water striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.321A	Fall into other water striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.321D	Fall into other water striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.322A	Fall into other water striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.322D	Fall into other water striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.331A	Fall into other water striking wall causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.331D	Fall into other water striking wall causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.332A	Fall into other water striking wall causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.332D	Fall into other water striking wall causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.41XA	Fall into unspecified water causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.41XD	Fall into unspecified water causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.42XA	Fall into unspecified water causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.42XD	Fall into unspecified water causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.511A	Jumping or diving into swimming pool striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.511D	Jumping or diving into swimming pool striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.512A	Jumping or diving into swimming pool striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.512D	Jumping or diving into swimming pool striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.521A	Jumping or diving into swimming pool striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.521D	Jumping or diving into swimming pool striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.522A	Jumping or diving into swimming pool striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W16.522D	Jumping or diving into swimming pool striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.531A	Jumping or diving into swimming pool striking wall causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.531D	Jumping or diving into swimming pool striking wall causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.532A	Jumping or diving into swimming pool striking wall causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.532D	Jumping or diving into swimming pool striking wall causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.611A	Jumping or diving into natural body of water striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.611D	Jumping or diving into natural body of water striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.612A	Jumping or diving into natural body of water striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.612D	Jumping or diving into natural body of water striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.621A	Jumping or diving into natural body of water striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.621D	Jumping or diving into natural body of water striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.622A	Jumping or diving into natural body of water striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.622D	Jumping or diving into natural body of water striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.711A	Jumping or diving from boat striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.711D	Jumping or diving from boat striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.712A	Jumping or diving from boat striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.712D	Jumping or diving from boat striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.721A	Jumping or diving from boat striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.721D	Jumping or diving from boat striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.722A	Jumping or diving from boat striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.722D	Jumping or diving from boat striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.811A	Jumping or diving into other water striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W16.811D	Jumping or diving into other water striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.812A	Jumping or diving into other water striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.812D	Jumping or diving into other water striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.821A	Jumping or diving into other water striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.821D	Jumping or diving into other water striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.822A	Jumping or diving into other water striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.822D	Jumping or diving into other water striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.831A	Jumping or diving into other water striking wall causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.831D	Jumping or diving into other water striking wall causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.832A	Jumping or diving into other water striking wall causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.832D	Jumping or diving into other water striking wall causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16.91XA	Jumping or diving into unspecified water causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16.91XD	Jumping or diving into unspecified water causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16.92XA	Jumping or diving into unspecified water causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16.92XD	Jumping or diving into unspecified water causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W17.0XXA	Fall into well, initial encounter	Diagnosis	ICD-10-CM
W17.0XXD	Fall into well, subsequent encounter	Diagnosis	ICD-10-CM
W17.1XXA	Fall into storm drain or manhole, initial encounter	Diagnosis	ICD-10-CM
W17.1XXD	Fall into storm drain or manhole, subsequent encounter	Diagnosis	ICD-10-CM
W17.2XXA	Fall into hole, initial encounter	Diagnosis	ICD-10-CM
W17.2XXD	Fall into hole, subsequent encounter	Diagnosis	ICD-10-CM
W17.3XXA	Fall into empty swimming pool, initial encounter	Diagnosis	ICD-10-CM
W17.3XXD	Fall into empty swimming pool, subsequent encounter	Diagnosis	ICD-10-CM
W17.4XXA	Fall from dock, initial encounter	Diagnosis	ICD-10-CM
W17.4XXD	Fall from dock, subsequent encounter	Diagnosis	ICD-10-CM
W17.81XA	Fall down embankment (hill), initial encounter	Diagnosis	ICD-10-CM
W17.81XD	Fall down embankment (hill), subsequent encounter	Diagnosis	ICD-10-CM
W17.82XA	Fall from (out of) grocery cart, initial encounter	Diagnosis	ICD-10-CM
W17.82XD	Fall from (out of) grocery cart, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W17.89XA	Other fall from one level to another, initial encounter	Diagnosis	ICD-10-CM
W17.89XD	Other fall from one level to another, subsequent encounter	Diagnosis	ICD-10-CM
W18.09XA	Striking against other object with subsequent fall, initial encounter	Diagnosis	ICD-10-CM
W18.11XA	Fall from or off toilet without subsequent striking against object, initial encounter	Diagnosis	ICD-10-CM
W18.11XD	Fall from or off toilet without subsequent striking against object, subsequent encounter	Diagnosis	ICD-10-CM
W18.12XA	Fall from or off toilet with subsequent striking against object, initial encounter	Diagnosis	ICD-10-CM
W18.12XD	Fall from or off toilet with subsequent striking against object, subsequent encounter	Diagnosis	ICD-10-CM
W20.0XXA	Struck by falling object in cave-in, initial encounter	Diagnosis	ICD-10-CM
W20.0XXD	Struck by falling object in cave-in, subsequent encounter	Diagnosis	ICD-10-CM
W20.1XXA	Struck by object due to collapse of building, initial encounter	Diagnosis	ICD-10-CM
W20.1XXD	Struck by object due to collapse of building, subsequent encounter	Diagnosis	ICD-10-CM
W20.8XXA	Other cause of strike by thrown, projected or falling object, initial encounter	Diagnosis	ICD-10-CM
W20.8XXD	Other cause of strike by thrown, projected or falling object, subsequent encounter	Diagnosis	ICD-10-CM
W21.00XA	Struck by hit or thrown ball, unspecified type, initial encounter	Diagnosis	ICD-10-CM
W21.00XD	Struck by hit or thrown ball, unspecified type, subsequent encounter	Diagnosis	ICD-10-CM
W21.01XA	Struck by football, initial encounter	Diagnosis	ICD-10-CM
W21.01XD	Struck by football, subsequent encounter	Diagnosis	ICD-10-CM
W21.02XA	Struck by soccer ball, initial encounter	Diagnosis	ICD-10-CM
W21.02XD	Struck by soccer ball, subsequent encounter	Diagnosis	ICD-10-CM
W21.03XA	Struck by baseball, initial encounter	Diagnosis	ICD-10-CM
W21.03XD	Struck by baseball, subsequent encounter	Diagnosis	ICD-10-CM
W21.04XA	Struck by golf ball, initial encounter	Diagnosis	ICD-10-CM
W21.04XD	Struck by golf ball, subsequent encounter	Diagnosis	ICD-10-CM
W21.05XA	Struck by basketball, initial encounter	Diagnosis	ICD-10-CM
W21.05XD	Struck by basketball, subsequent encounter	Diagnosis	ICD-10-CM
W21.06XA	Struck by volleyball, initial encounter	Diagnosis	ICD-10-CM
W21.06XD	Struck by volleyball, subsequent encounter	Diagnosis	ICD-10-CM
W21.07XA	Struck by softball, initial encounter	Diagnosis	ICD-10-CM
W21.07XD	Struck by softball, subsequent encounter	Diagnosis	ICD-10-CM
W21.09XA	Struck by other hit or thrown ball, initial encounter	Diagnosis	ICD-10-CM
W21.09XD	Struck by other hit or thrown ball, subsequent encounter	Diagnosis	ICD-10-CM
W21.11XA	Struck by baseball bat, initial encounter	Diagnosis	ICD-10-CM
W21.11XD	Struck by baseball bat, subsequent encounter	Diagnosis	ICD-10-CM
W21.12XA	Struck by tennis racquet, initial encounter	Diagnosis	ICD-10-CM
W21.12XD	Struck by tennis racquet, subsequent encounter	Diagnosis	ICD-10-CM
W21.13XA	Struck by golf club, initial encounter	Diagnosis	ICD-10-CM
W21.13XD	Struck by golf club, subsequent encounter	Diagnosis	ICD-10-CM
W21.19XA	Struck by other bat, racquet or club, initial encounter	Diagnosis	ICD-10-CM
W21.19XD	Struck by other bat, racquet or club, subsequent encounter	Diagnosis	ICD-10-CM
W21.210A	Struck by ice hockey stick, initial encounter	Diagnosis	ICD-10-CM
W21.210D	Struck by ice hockey stick, subsequent encounter	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
W21.211A	Struck by field hockey stick, initial encounter	Diagnosis	ICD-10-CM
W21.211D	Struck by field hockey stick, subsequent encounter	Diagnosis	ICD-10-CM
W21.220A	Struck by ice hockey puck, initial encounter	Diagnosis	ICD-10-CM
W21.220D	Struck by ice hockey puck, subsequent encounter	Diagnosis	ICD-10-CM
W21.221A	Struck by field hockey puck, initial encounter	Diagnosis	ICD-10-CM
W21.221D	Struck by field hockey puck, subsequent encounter	Diagnosis	ICD-10-CM
W21.31XA	Struck by shoe cleats, initial encounter	Diagnosis	ICD-10-CM
W21.31XD	Struck by shoe cleats, subsequent encounter	Diagnosis	ICD-10-CM
W21.32XA	Struck by skate blades, initial encounter	Diagnosis	ICD-10-CM
W21.32XD	Struck by skate blades, subsequent encounter	Diagnosis	ICD-10-CM
W21.39XA	Struck by other sports foot wear, initial encounter	Diagnosis	ICD-10-CM
W21.39XD	Struck by other sports foot wear, subsequent encounter	Diagnosis	ICD-10-CM
W21.4XXA	Striking against diving board, initial encounter	Diagnosis	ICD-10-CM
W21.4XXD	Striking against diving board, subsequent encounter	Diagnosis	ICD-10-CM
W21.81XA	Striking against or struck by football helmet, initial encounter	Diagnosis	ICD-10-CM
W21.81XD	Striking against or struck by football helmet, subsequent encounter	Diagnosis	ICD-10-CM
W21.89XA	Striking against or struck by other sports equipment, initial encounter	Diagnosis	ICD-10-CM
W21.89XD	Striking against or struck by other sports equipment, subsequent encounter	Diagnosis	ICD-10-CM
W21.9XXA	Striking against or struck by unspecified sports equipment, initial encounter	Diagnosis	ICD-10-CM
W21.9XXD	Striking against or struck by unspecified sports equipment, subsequent encounter	Diagnosis	ICD-10-CM
W22.01XA	Walked into wall, initial encounter	Diagnosis	ICD-10-CM
W22.01XD	Walked into wall, subsequent encounter	Diagnosis	ICD-10-CM
W22.02XA	Walked into lamppost, initial encounter	Diagnosis	ICD-10-CM
W22.02XD	Walked into lamppost, subsequent encounter	Diagnosis	ICD-10-CM
W22.03XA	Walked into furniture, initial encounter	Diagnosis	ICD-10-CM
W22.03XD	Walked into furniture, subsequent encounter	Diagnosis	ICD-10-CM
W22.041A	Striking against wall of swimming pool causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W22.041D	Striking against wall of swimming pool causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W22.042A	Striking against wall of swimming pool causing other injury, initial encounter	Diagnosis	ICD-10-CM
W22.042D	Striking against wall of swimming pool causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W22.09XA	Striking against other stationary object, initial encounter	Diagnosis	ICD-10-CM
W22.09XD	Striking against other stationary object, subsequent encounter	Diagnosis	ICD-10-CM
W22.10XA	Striking against or struck by unspecified automobile airbag, initial encounter	Diagnosis	ICD-10-CM
W22.10XD	Striking against or struck by unspecified automobile airbag, subsequent encounter	Diagnosis	ICD-10-CM
W22.11XA	Striking against or struck by driver side automobile airbag, initial encounter	Diagnosis	ICD-10-CM
W22.11XD	Striking against or struck by driver side automobile airbag, subsequent encounter	Diagnosis	ICD-10-CM
W22.12XA	Striking against or struck by front passenger side automobile airbag, initial encounter	Diagnosis	ICD-10-CM
W22.12XD	Striking against or struck by front passenger side automobile airbag, subsequent encounter	Diagnosis	ICD-10-CM
W22.19XA	Striking against or struck by other automobile airbag, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W22.19XD	Striking against or struck by other automobile airbag, subsequent encounter	Diagnosis	ICD-10-CM
W22.8XXA	Striking against or struck by other objects, initial encounter	Diagnosis	ICD-10-CM
W22.8XXD	Striking against or struck by other objects, subsequent encounter	Diagnosis	ICD-10-CM
W23.0XXA	Caught, crushed, jammed, or pinched between moving objects, initial encounter	Diagnosis	ICD-10-CM
W23.0XXD	Caught, crushed, jammed, or pinched between moving objects, subsequent encounter	Diagnosis	ICD-10-CM
W23.1XXA	Caught, crushed, jammed, or pinched between stationary objects, initial encounter	Diagnosis	ICD-10-CM
W23.1XXD	Caught, crushed, jammed, or pinched between stationary objects, subsequent encounter	Diagnosis	ICD-10-CM
W24.0XXA	Contact with lifting devices, not elsewhere classified, initial encounter	Diagnosis	ICD-10-CM
W24.0XXD	Contact with lifting devices, not elsewhere classified, subsequent encounter	Diagnosis	ICD-10-CM
W24.1XXA	Contact with transmission devices, not elsewhere classified, initial encounter	Diagnosis	ICD-10-CM
W24.1XXD	Contact with transmission devices, not elsewhere classified, subsequent encounter	Diagnosis	ICD-10-CM
W25.XXXA	Contact with sharp glass, initial encounter	Diagnosis	ICD-10-CM
W25.XXXD	Contact with sharp glass, subsequent encounter	Diagnosis	ICD-10-CM
W26.0XXA	Contact with knife, initial encounter	Diagnosis	ICD-10-CM
W26.0XXD	Contact with knife, subsequent encounter	Diagnosis	ICD-10-CM
W26.1XXA	Contact with sword or dagger, initial encounter	Diagnosis	ICD-10-CM
W26.1XXD	Contact with sword or dagger, subsequent encounter	Diagnosis	ICD-10-CM
W26.2XXA	Contact with edge of stiff paper, initial encounter	Diagnosis	ICD-10-CM
W26.2XXD	Contact with edge of stiff paper, subsequent encounter	Diagnosis	ICD-10-CM
W26.8XXA	Contact with other sharp object(s), not elsewhere classified, initial encounter	Diagnosis	ICD-10-CM
W26.8XXD	Contact with other sharp object(s), not elsewhere classified, subsequent encounter	Diagnosis	ICD-10-CM
W26.9XXA	Contact with unspecified sharp object(s), initial encounter	Diagnosis	ICD-10-CM
W26.9XXD	Contact with unspecified sharp object(s), subsequent encounter	Diagnosis	ICD-10-CM
W27.0XXA	Contact with workbench tool, initial encounter	Diagnosis	ICD-10-CM
W27.0XXD	Contact with workbench tool, subsequent encounter	Diagnosis	ICD-10-CM
W27.1XXA	Contact with garden tool, initial encounter	Diagnosis	ICD-10-CM
W27.1XXD	Contact with garden tool, subsequent encounter	Diagnosis	ICD-10-CM
W27.2XXA	Contact with scissors, initial encounter	Diagnosis	ICD-10-CM
W27.2XXD	Contact with scissors, subsequent encounter	Diagnosis	ICD-10-CM
W27.3XXA	Contact with needle (sewing), initial encounter	Diagnosis	ICD-10-CM
W27.3XXD	Contact with needle (sewing), subsequent encounter	Diagnosis	ICD-10-CM
W27.4XXA	Contact with kitchen utensil, initial encounter	Diagnosis	ICD-10-CM
W27.4XXD	Contact with kitchen utensil, subsequent encounter	Diagnosis	ICD-10-CM
W27.5XXA	Contact with paper-cutter, initial encounter	Diagnosis	ICD-10-CM
W27.5XXD	Contact with paper-cutter, subsequent encounter	Diagnosis	ICD-10-CM
W27.8XXA	Contact with other nonpowered hand tool, initial encounter	Diagnosis	ICD-10-CM
W27.8XXD	Contact with other nonpowered hand tool, subsequent encounter	Diagnosis	ICD-10-CM
W28.XXXA	Contact with powered lawn mower, initial encounter	Diagnosis	ICD-10-CM
W28.XXXD	Contact with powered lawn mower, subsequent encounter	Diagnosis	ICD-10-CM
W29.0XXA	Contact with powered kitchen appliance, initial encounter	Diagnosis	ICD-10-CM
W29.0XXD	Contact with powered kitchen appliance, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W29.1XXA	Contact with electric knife, initial encounter	Diagnosis	ICD-10-CM
W29.1XXD	Contact with electric knife, subsequent encounter	Diagnosis	ICD-10-CM
W29.2XXA	Contact with other powered household machinery, initial encounter	Diagnosis	ICD-10-CM
W29.2XXD	Contact with other powered household machinery, subsequent encounter	Diagnosis	ICD-10-CM
W29.3XXA	Contact with powered garden and outdoor hand tools and machinery, initial encounter	Diagnosis	ICD-10-CM
W29.3XXD	Contact with powered garden and outdoor hand tools and machinery, subsequent encounter	Diagnosis	ICD-10-CM
W29.4XXA	Contact with nail gun, initial encounter	Diagnosis	ICD-10-CM
W29.4XXD	Contact with nail gun, subsequent encounter	Diagnosis	ICD-10-CM
W29.8XXA	Contact with other powered hand tools and household machinery, initial encounter	Diagnosis	ICD-10-CM
W29.8XXD	Contact with other powered hand tools and household machinery, subsequent encounter	Diagnosis	ICD-10-CM
W30.0XXA	Contact with combine harvester, initial encounter	Diagnosis	ICD-10-CM
W30.0XXD	Contact with combine harvester, subsequent encounter	Diagnosis	ICD-10-CM
W30.1XXA	Contact with power take-off devices (PTO), initial encounter	Diagnosis	ICD-10-CM
W30.1XXD	Contact with power take-off devices (PTO), subsequent encounter	Diagnosis	ICD-10-CM
W30.2XXA	Contact with hay derrick, initial encounter	Diagnosis	ICD-10-CM
W30.2XXD	Contact with hay derrick, subsequent encounter	Diagnosis	ICD-10-CM
W30.3XXA	Contact with grain storage elevator, initial encounter	Diagnosis	ICD-10-CM
W30.3XXD	Contact with grain storage elevator, subsequent encounter	Diagnosis	ICD-10-CM
W30.81XA	Contact with agricultural transport vehicle in stationary use, initial encounter	Diagnosis	ICD-10-CM
W30.81XD	Contact with agricultural transport vehicle in stationary use, subsequent encounter	Diagnosis	ICD-10-CM
W30.89XA	Contact with other specified agricultural machinery, initial encounter	Diagnosis	ICD-10-CM
W30.89XD	Contact with other specified agricultural machinery, subsequent encounter	Diagnosis	ICD-10-CM
W30.9XXA	Contact with unspecified agricultural machinery, initial encounter	Diagnosis	ICD-10-CM
W30.9XXD	Contact with unspecified agricultural machinery, subsequent encounter	Diagnosis	ICD-10-CM
W31.0XXA	Contact with mining and earth-drilling machinery, initial encounter	Diagnosis	ICD-10-CM
W31.0XXD	Contact with mining and earth-drilling machinery, subsequent encounter	Diagnosis	ICD-10-CM
W31.1XXA	Contact with metalworking machines, initial encounter	Diagnosis	ICD-10-CM
W31.1XXD	Contact with metalworking machines, subsequent encounter	Diagnosis	ICD-10-CM
W31.2XXA	Contact with powered woodworking and forming machines, initial encounter	Diagnosis	ICD-10-CM
W31.2XXD	Contact with powered woodworking and forming machines, subsequent encounter	Diagnosis	ICD-10-CM
W31.3XXA	Contact with prime movers, initial encounter	Diagnosis	ICD-10-CM
W31.3XXD	Contact with prime movers, subsequent encounter	Diagnosis	ICD-10-CM
W31.81XA	Contact with recreational machinery, initial encounter	Diagnosis	ICD-10-CM
W31.81XD	Contact with recreational machinery, subsequent encounter	Diagnosis	ICD-10-CM
W31.82XA	Contact with other commercial machinery, initial encounter	Diagnosis	ICD-10-CM
W31.82XD	Contact with other commercial machinery, subsequent encounter	Diagnosis	ICD-10-CM
W31.83XA	Contact with special construction vehicle in stationary use, initial encounter	Diagnosis	ICD-10-CM
W31.83XD	Contact with special construction vehicle in stationary use, subsequent encounter	Diagnosis	ICD-10-CM
W31.89XA	Contact with other specified machinery, initial encounter	Diagnosis	ICD-10-CM
W31.89XD	Contact with other specified machinery, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W31.9XXA	Contact with unspecified machinery, initial encounter	Diagnosis	ICD-10-CM
W31.9XXD	Contact with unspecified machinery, subsequent encounter	Diagnosis	ICD-10-CM
W32.0XXA	Accidental handgun discharge, initial encounter	Diagnosis	ICD-10-CM
W32.0XXD	Accidental handgun discharge, subsequent encounter	Diagnosis	ICD-10-CM
W32.1XXA	Accidental handgun malfunction, initial encounter	Diagnosis	ICD-10-CM
W32.1XXD	Accidental handgun malfunction, subsequent encounter	Diagnosis	ICD-10-CM
W33.00XA	Accidental discharge of unspecified larger firearm, initial encounter	Diagnosis	ICD-10-CM
W33.00XD	Accidental discharge of unspecified larger firearm, subsequent encounter	Diagnosis	ICD-10-CM
W33.01XA	Accidental discharge of shotgun, initial encounter	Diagnosis	ICD-10-CM
W33.01XD	Accidental discharge of shotgun, subsequent encounter	Diagnosis	ICD-10-CM
W33.02XA	Accidental discharge of hunting rifle, initial encounter	Diagnosis	ICD-10-CM
W33.02XD	Accidental discharge of hunting rifle, subsequent encounter	Diagnosis	ICD-10-CM
W33.03XA	Accidental discharge of machine gun, initial encounter	Diagnosis	ICD-10-CM
W33.03XD	Accidental discharge of machine gun, subsequent encounter	Diagnosis	ICD-10-CM
W33.09XA	Accidental discharge of other larger firearm, initial encounter	Diagnosis	ICD-10-CM
W33.09XD	Accidental discharge of other larger firearm, subsequent encounter	Diagnosis	ICD-10-CM
W33.10XA	Accidental malfunction of unspecified larger firearm, initial encounter	Diagnosis	ICD-10-CM
W33.10XD	Accidental malfunction of unspecified larger firearm, subsequent encounter	Diagnosis	ICD-10-CM
W33.11XA	Accidental malfunction of shotgun, initial encounter	Diagnosis	ICD-10-CM
W33.11XD	Accidental malfunction of shotgun, subsequent encounter	Diagnosis	ICD-10-CM
W33.12XA	Accidental malfunction of hunting rifle, initial encounter	Diagnosis	ICD-10-CM
W33.12XD	Accidental malfunction of hunting rifle, subsequent encounter	Diagnosis	ICD-10-CM
W33.13XA	Accidental malfunction of machine gun, initial encounter	Diagnosis	ICD-10-CM
W33.13XD	Accidental malfunction of machine gun, subsequent encounter	Diagnosis	ICD-10-CM
W33.19XA	Accidental malfunction of other larger firearm, initial encounter	Diagnosis	ICD-10-CM
W33.19XD	Accidental malfunction of other larger firearm, subsequent encounter	Diagnosis	ICD-10-CM
W34.00XA	Accidental discharge from unspecified firearms or gun, initial encounter	Diagnosis	ICD-10-CM
W34.00XD	Accidental discharge from unspecified firearms or gun, subsequent encounter	Diagnosis	ICD-10-CM
W34.010A	Accidental discharge of airgun, initial encounter	Diagnosis	ICD-10-CM
W34.010D	Accidental discharge of airgun, subsequent encounter	Diagnosis	ICD-10-CM
W34.011A	Accidental discharge of paintball gun, initial encounter	Diagnosis	ICD-10-CM
W34.011D	Accidental discharge of paintball gun, subsequent encounter	Diagnosis	ICD-10-CM
W34.018A	Accidental discharge of other gas, air or spring-operated gun, initial encounter	Diagnosis	ICD-10-CM
W34.018D	Accidental discharge of other gas, air or spring-operated gun, subsequent encounter	Diagnosis	ICD-10-CM
W34.09XA	Accidental discharge from other specified firearms, initial encounter	Diagnosis	ICD-10-CM
W34.09XD	Accidental discharge from other specified firearms, subsequent encounter	Diagnosis	ICD-10-CM
W34.10XA	Accidental malfunction from unspecified firearms or gun, initial encounter	Diagnosis	ICD-10-CM
W34.10XD	Accidental malfunction from unspecified firearms or gun, subsequent encounter	Diagnosis	ICD-10-CM
W34.110A	Accidental malfunction of airgun, initial encounter	Diagnosis	ICD-10-CM
W34.110D	Accidental malfunction of airgun, subsequent encounter	Diagnosis	ICD-10-CM
W34.111A	Accidental malfunction of paintball gun, initial encounter	Diagnosis	ICD-10-CM
W34.111D	Accidental malfunction of paintball gun, subsequent encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W34.118A	Accidental malfunction of other gas, air or spring-operated gun, initial encounter	Diagnosis	ICD-10-CM
W34.118D	Accidental malfunction of other gas, air or spring-operated gun, subsequent encounter	Diagnosis	ICD-10-CM
W34.19XA	Accidental malfunction from other specified firearms, initial encounter	Diagnosis	ICD-10-CM
W34.19XD	Accidental malfunction from other specified firearms, subsequent encounter	Diagnosis	ICD-10-CM
W35.XXXA	Explosion and rupture of boiler, initial encounter	Diagnosis	ICD-10-CM
W35.XXXD	Explosion and rupture of boiler, subsequent encounter	Diagnosis	ICD-10-CM
W36.1XXA	Explosion and rupture of aerosol can, initial encounter	Diagnosis	ICD-10-CM
W36.1XXD	Explosion and rupture of aerosol can, subsequent encounter	Diagnosis	ICD-10-CM
W36.2XXA	Explosion and rupture of air tank, initial encounter	Diagnosis	ICD-10-CM
W36.2XXD	Explosion and rupture of air tank, subsequent encounter	Diagnosis	ICD-10-CM
W36.3XXA	Explosion and rupture of pressurized-gas tank, initial encounter	Diagnosis	ICD-10-CM
W36.3XXD	Explosion and rupture of pressurized-gas tank, subsequent encounter	Diagnosis	ICD-10-CM
W36.8XXA	Explosion and rupture of other gas cylinder, initial encounter	Diagnosis	ICD-10-CM
W36.8XXD	Explosion and rupture of other gas cylinder, subsequent encounter	Diagnosis	ICD-10-CM
W36.9XXA	Explosion and rupture of unspecified gas cylinder, initial encounter	Diagnosis	ICD-10-CM
W36.9XXD	Explosion and rupture of unspecified gas cylinder, subsequent encounter	Diagnosis	ICD-10-CM
W37.0XXA	Explosion of bicycle tire, initial encounter	Diagnosis	ICD-10-CM
W37.0XXD	Explosion of bicycle tire, subsequent encounter	Diagnosis	ICD-10-CM
W37.8XXA	Explosion and rupture of other pressurized tire, pipe or hose, initial encounter	Diagnosis	ICD-10-CM
W37.8XXD	Explosion and rupture of other pressurized tire, pipe or hose, subsequent encounter	Diagnosis	ICD-10-CM
W38.XXXA	Explosion and rupture of other specified pressurized devices, initial encounter	Diagnosis	ICD-10-CM
W38.XXXD	Explosion and rupture of other specified pressurized devices, subsequent encounter	Diagnosis	ICD-10-CM
W39.XXXA	Discharge of firework, initial encounter	Diagnosis	ICD-10-CM
W39.XXXD	Discharge of firework, subsequent encounter	Diagnosis	ICD-10-CM
W40.0XXA	Explosion of blasting material, initial encounter	Diagnosis	ICD-10-CM
W40.0XXD	Explosion of blasting material, subsequent encounter	Diagnosis	ICD-10-CM
W40.1XXA	Explosion of explosive gases, initial encounter	Diagnosis	ICD-10-CM
W40.1XXD	Explosion of explosive gases, subsequent encounter	Diagnosis	ICD-10-CM
W40.8XXA	Explosion of other specified explosive materials, initial encounter	Diagnosis	ICD-10-CM
W40.8XXD	Explosion of other specified explosive materials, subsequent encounter	Diagnosis	ICD-10-CM
W40.9XXA	Explosion of unspecified explosive materials, initial encounter	Diagnosis	ICD-10-CM
W40.9XXD	Explosion of unspecified explosive materials, subsequent encounter	Diagnosis	ICD-10-CM
W42.0XXA	Exposure to supersonic waves, initial encounter	Diagnosis	ICD-10-CM
W42.0XXD	Exposure to supersonic waves, subsequent encounter	Diagnosis	ICD-10-CM
W42.9XXA	Exposure to other noise, initial encounter	Diagnosis	ICD-10-CM
W42.9XXD	Exposure to other noise, subsequent encounter	Diagnosis	ICD-10-CM
W45.0XXA	Nail entering through skin, initial encounter	Diagnosis	ICD-10-CM
W45.0XXD	Nail entering through skin, subsequent encounter	Diagnosis	ICD-10-CM
W45.8XXA	Other foreign body or object entering through skin, initial encounter	Diagnosis	ICD-10-CM
W45.8XXD	Other foreign body or object entering through skin, subsequent encounter	Diagnosis	ICD-10-CM
W46.0XXA	Contact with hypodermic needle, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W46.0XXD	Contact with hypodermic needle, subsequent encounter	Diagnosis	ICD-10-CM
W46.1XXA	Contact with contaminated hypodermic needle, initial encounter	Diagnosis	ICD-10-CM
W46.1XXD	Contact with contaminated hypodermic needle, subsequent encounter	Diagnosis	ICD-10-CM
W49.01XA	Hair causing external constriction, initial encounter	Diagnosis	ICD-10-CM
W49.01XD	Hair causing external constriction, subsequent encounter	Diagnosis	ICD-10-CM
W49.02XA	String or thread causing external constriction, initial encounter	Diagnosis	ICD-10-CM
W49.02XD	String or thread causing external constriction, subsequent encounter	Diagnosis	ICD-10-CM
W49.03XA	Rubber band causing external constriction, initial encounter	Diagnosis	ICD-10-CM
W49.03XD	Rubber band causing external constriction, subsequent encounter	Diagnosis	ICD-10-CM
W49.04XA	Ring or other jewelry causing external constriction, initial encounter	Diagnosis	ICD-10-CM
W49.04XD	Ring or other jewelry causing external constriction, subsequent encounter	Diagnosis	ICD-10-CM
W49.09XA	Other specified item causing external constriction, initial encounter	Diagnosis	ICD-10-CM
W49.09XD	Other specified item causing external constriction, subsequent encounter	Diagnosis	ICD-10-CM
W49.9XXA	Exposure to other inanimate mechanical forces, initial encounter	Diagnosis	ICD-10-CM
W49.9XXD	Exposure to other inanimate mechanical forces, subsequent encounter	Diagnosis	ICD-10-CM
W50.0XXA	Accidental hit or strike by another person, initial encounter	Diagnosis	ICD-10-CM
W50.0XXD	Accidental hit or strike by another person, subsequent encounter	Diagnosis	ICD-10-CM
W50.1XXA	Accidental kick by another person, initial encounter	Diagnosis	ICD-10-CM
W50.1XXD	Accidental kick by another person, subsequent encounter	Diagnosis	ICD-10-CM
W50.2XXA	Accidental twist by another person, initial encounter	Diagnosis	ICD-10-CM
W50.2XXD	Accidental twist by another person, subsequent encounter	Diagnosis	ICD-10-CM
W50.3XXA	Accidental bite by another person, initial encounter	Diagnosis	ICD-10-CM
W50.3XXD	Accidental bite by another person, subsequent encounter	Diagnosis	ICD-10-CM
W50.4XXA	Accidental scratch by another person, initial encounter	Diagnosis	ICD-10-CM
W50.4XXD	Accidental scratch by another person, subsequent encounter	Diagnosis	ICD-10-CM
W51.XXXA	Accidental striking against or bumped into by another person, initial encounter	Diagnosis	ICD-10-CM
W51.XXXD	Accidental striking against or bumped into by another person, subsequent encounter	Diagnosis	ICD-10-CM
W52.XXXA	Crushed, pushed or stepped on by crowd or human stampede, initial encounter	Diagnosis	ICD-10-CM
W52.XXXD	Crushed, pushed or stepped on by crowd or human stampede, subsequent encounter	Diagnosis	ICD-10-CM
W60.XXXA	Contact with nonvenomous plant thorns and spines and sharp leaves, initial encounter	Diagnosis	ICD-10-CM
W60.XXXD	Contact with nonvenomous plant thorns and spines and sharp leaves, subsequent encounter	Diagnosis	ICD-10-CM
W85.XXXA	Exposure to electric transmission lines, initial encounter	Diagnosis	ICD-10-CM
W85.XXXD	Exposure to electric transmission lines, subsequent encounter	Diagnosis	ICD-10-CM
W86.0XXA	Exposure to domestic wiring and appliances, initial encounter	Diagnosis	ICD-10-CM
W86.0XXD	Exposure to domestic wiring and appliances, subsequent encounter	Diagnosis	ICD-10-CM
W86.1XXA	Exposure to industrial wiring, appliances and electrical machinery, initial encounter	Diagnosis	ICD-10-CM
W86.1XXD	Exposure to industrial wiring, appliances and electrical machinery, subsequent encounter	Diagnosis	ICD-10-CM
W86.8XXA	Exposure to other electric current, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
W86.8XXD	Exposure to other electric current, subsequent encounter	Diagnosis	ICD-10-CM
W88.0XXA	Exposure to X-rays, initial encounter	Diagnosis	ICD-10-CM
W88.0XXD	Exposure to X-rays, subsequent encounter	Diagnosis	ICD-10-CM
W88.1XXA	Exposure to radioactive isotopes, initial encounter	Diagnosis	ICD-10-CM
W88.1XXD	Exposure to radioactive isotopes, subsequent encounter	Diagnosis	ICD-10-CM
W88.8XXA	Exposure to other ionizing radiation, initial encounter	Diagnosis	ICD-10-CM
W88.8XXD	Exposure to other ionizing radiation, subsequent encounter	Diagnosis	ICD-10-CM
W89.0XXA	Exposure to welding light (arc), initial encounter	Diagnosis	ICD-10-CM
W89.0XXD	Exposure to welding light (arc), subsequent encounter	Diagnosis	ICD-10-CM
W89.1XXA	Exposure to tanning bed, initial encounter	Diagnosis	ICD-10-CM
W89.1XXD	Exposure to tanning bed, subsequent encounter	Diagnosis	ICD-10-CM
W89.8XXA	Exposure to other man-made visible and ultraviolet light, initial encounter	Diagnosis	ICD-10-CM
W89.8XXD	Exposure to other man-made visible and ultraviolet light, subsequent encounter	Diagnosis	ICD-10-CM
W89.9XXA	Exposure to unspecified man-made visible and ultraviolet light, initial encounter	Diagnosis	ICD-10-CM
W89.9XXD	Exposure to unspecified man-made visible and ultraviolet light, subsequent encounter	Diagnosis	ICD-10-CM
W90.0XXA	Exposure to radiofrequency, initial encounter	Diagnosis	ICD-10-CM
W90.0XXD	Exposure to radiofrequency, subsequent encounter	Diagnosis	ICD-10-CM
W90.1XXA	Exposure to infrared radiation, initial encounter	Diagnosis	ICD-10-CM
W90.1XXD	Exposure to infrared radiation, subsequent encounter	Diagnosis	ICD-10-CM
W90.2XXA	Exposure to laser radiation, initial encounter	Diagnosis	ICD-10-CM
W90.2XXD	Exposure to laser radiation, subsequent encounter	Diagnosis	ICD-10-CM
W90.8XXA	Exposure to other nonionizing radiation, initial encounter	Diagnosis	ICD-10-CM
W90.8XXD	Exposure to other nonionizing radiation, subsequent encounter	Diagnosis	ICD-10-CM
X10.0XXA	Contact with hot drinks, initial encounter	Diagnosis	ICD-10-CM
X10.0XXD	Contact with hot drinks, subsequent encounter	Diagnosis	ICD-10-CM
X10.1XXA	Contact with hot food, initial encounter	Diagnosis	ICD-10-CM
X10.1XXD	Contact with hot food, subsequent encounter	Diagnosis	ICD-10-CM
X10.2XXA	Contact with fats and cooking oils, initial encounter	Diagnosis	ICD-10-CM
X10.2XXD	Contact with fats and cooking oils, subsequent encounter	Diagnosis	ICD-10-CM
X11.0XXA	Contact with hot water in bath or tub, initial encounter	Diagnosis	ICD-10-CM
X11.0XXD	Contact with hot water in bath or tub, subsequent encounter	Diagnosis	ICD-10-CM
X11.1XXA	Contact with running hot water, initial encounter	Diagnosis	ICD-10-CM
X11.1XXD	Contact with running hot water, subsequent encounter	Diagnosis	ICD-10-CM
X11.8XXA	Contact with other hot tap-water, initial encounter	Diagnosis	ICD-10-CM
X11.8XXD	Contact with other hot tap-water, subsequent encounter	Diagnosis	ICD-10-CM
X12.XXXA	Contact with other hot fluids, initial encounter	Diagnosis	ICD-10-CM
X12.XXXD	Contact with other hot fluids, subsequent encounter	Diagnosis	ICD-10-CM
X13.0XXA	Inhalation of steam and other hot vapors, initial encounter	Diagnosis	ICD-10-CM
X13.0XXD	Inhalation of steam and other hot vapors, subsequent encounter	Diagnosis	ICD-10-CM
X13.1XXA	Other contact with steam and other hot vapors, initial encounter	Diagnosis	ICD-10-CM
X13.1XXD	Other contact with steam and other hot vapors, subsequent encounter	Diagnosis	ICD-10-CM
X14.0XXA	Inhalation of hot air and gases, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
X14.0XXD	Inhalation of hot air and gases, subsequent encounter	Diagnosis	ICD-10-CM
X14.1XXA	Other contact with hot air and other hot gases, initial encounter	Diagnosis	ICD-10-CM
X14.1XXD	Other contact with hot air and other hot gases, subsequent encounter	Diagnosis	ICD-10-CM
X15.0XXA	Contact with hot stove (kitchen), initial encounter	Diagnosis	ICD-10-CM
X15.0XXD	Contact with hot stove (kitchen), subsequent encounter	Diagnosis	ICD-10-CM
X15.1XXA	Contact with hot toaster, initial encounter	Diagnosis	ICD-10-CM
X15.1XXD	Contact with hot toaster, subsequent encounter	Diagnosis	ICD-10-CM
X15.2XXA	Contact with hotplate, initial encounter	Diagnosis	ICD-10-CM
X15.2XXD	Contact with hotplate, subsequent encounter	Diagnosis	ICD-10-CM
X15.3XXA	Contact with hot saucepan or skillet, initial encounter	Diagnosis	ICD-10-CM
X15.3XXD	Contact with hot saucepan or skillet, subsequent encounter	Diagnosis	ICD-10-CM
X15.8XXA	Contact with other hot household appliances, initial encounter	Diagnosis	ICD-10-CM
X15.8XXD	Contact with other hot household appliances, subsequent encounter	Diagnosis	ICD-10-CM
X16.XXXA	Contact with hot heating appliances, radiators and pipes, initial encounter	Diagnosis	ICD-10-CM
X16.XXXD	Contact with hot heating appliances, radiators and pipes, subsequent encounter	Diagnosis	ICD-10-CM
X17.XXXA	Contact with hot engines, machinery and tools, initial encounter	Diagnosis	ICD-10-CM
X17.XXXD	Contact with hot engines, machinery and tools, subsequent encounter	Diagnosis	ICD-10-CM
X18.XXXA	Contact with other hot metals, initial encounter	Diagnosis	ICD-10-CM
X18.XXXD	Contact with other hot metals, subsequent encounter	Diagnosis	ICD-10-CM
X19.XXXA	Contact with other heat and hot substances, initial encounter	Diagnosis	ICD-10-CM
X19.XXXD	Contact with other heat and hot substances, subsequent encounter	Diagnosis	ICD-10-CM
X34.XXXA	Earthquake, initial encounter	Diagnosis	ICD-10-CM
X34.XXXD	Earthquake, subsequent encounter	Diagnosis	ICD-10-CM
X35.XXXA	Volcanic eruption, initial encounter	Diagnosis	ICD-10-CM
X35.XXXD	Volcanic eruption, subsequent encounter	Diagnosis	ICD-10-CM
X36.0XXA	Collapse of dam or man-made structure causing earth movement, initial encounter	Diagnosis	ICD-10-CM
X36.0XXD	Collapse of dam or man-made structure causing earth movement, subsequent encounter	Diagnosis	ICD-10-CM
X36.1XXA	Avalanche, landslide, or mudslide, initial encounter	Diagnosis	ICD-10-CM
X36.1XXD	Avalanche, landslide, or mudslide, subsequent encounter	Diagnosis	ICD-10-CM
X37.0XXA	Hurricane, initial encounter	Diagnosis	ICD-10-CM
X37.0XXD	Hurricane, subsequent encounter	Diagnosis	ICD-10-CM
X37.1XXA	Tornado, initial encounter	Diagnosis	ICD-10-CM
X37.1XXD	Tornado, subsequent encounter	Diagnosis	ICD-10-CM
X37.2XXA	Blizzard (snow)(ice), initial encounter	Diagnosis	ICD-10-CM
X37.2XXD	Blizzard (snow)(ice), subsequent encounter	Diagnosis	ICD-10-CM
X37.3XXA	Dust storm, initial encounter	Diagnosis	ICD-10-CM
X37.3XXD	Dust storm, subsequent encounter	Diagnosis	ICD-10-CM
X37.41XA	Tidal wave due to earthquake or volcanic eruption, initial encounter	Diagnosis	ICD-10-CM
X37.41XD	Tidal wave due to earthquake or volcanic eruption, subsequent encounter	Diagnosis	ICD-10-CM
X37.42XA	Tidal wave due to storm, initial encounter	Diagnosis	ICD-10-CM
X37.42XD	Tidal wave due to storm, subsequent encounter	Diagnosis	ICD-10-CM
X37.43XA	Tidal wave due to landslide, initial encounter	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
X37.43XD	Tidal wave due to landslide, subsequent encounter	Diagnosis	ICD-10-CM
X37.8XXA	Other cataclysmic storms, initial encounter	Diagnosis	ICD-10-CM
X37.8XXD	Other cataclysmic storms, subsequent encounter	Diagnosis	ICD-10-CM
X37.9XXA	Unspecified cataclysmic storm, initial encounter	Diagnosis	ICD-10-CM
X37.9XXD	Unspecified cataclysmic storm, subsequent encounter	Diagnosis	ICD-10-CM
X38.XXXA	Flood, initial encounter	Diagnosis	ICD-10-CM
X38.XXXD	Flood, subsequent encounter	Diagnosis	ICD-10-CM
X39.01XA	Exposure to radon, initial encounter	Diagnosis	ICD-10-CM
X39.01XD	Exposure to radon, subsequent encounter	Diagnosis	ICD-10-CM
X39.08XA	Exposure to other natural radiation, initial encounter	Diagnosis	ICD-10-CM
X39.08XD	Exposure to other natural radiation, subsequent encounter	Diagnosis	ICD-10-CM
X39.8XXA	Other exposure to forces of nature, initial encounter	Diagnosis	ICD-10-CM
X39.8XXD	Other exposure to forces of nature, subsequent encounter	Diagnosis	ICD-10-CM
X50.0XXA	Overexertion from strenuous movement or load, initial encounter	Diagnosis	ICD-10-CM
X50.0XXD	Overexertion from strenuous movement or load, subsequent encounter	Diagnosis	ICD-10-CM
X50.1XXA	Overexertion from prolonged static or awkward postures, initial encounter	Diagnosis	ICD-10-CM
X50.1XXD	Overexertion from prolonged static or awkward postures, subsequent encounter	Diagnosis	ICD-10-CM
X50.3XXA	Overexertion from repetitive movements, initial encounter	Diagnosis	ICD-10-CM
X50.3XXD	Overexertion from repetitive movements, subsequent encounter	Diagnosis	ICD-10-CM
X50.9XXA	Other and unspecified overexertion or strenuous movements or postures, initial encounter	Diagnosis	ICD-10-CM
X50.9XXD	Other and unspecified overexertion or strenuous movements or postures, subsequent encounter	Diagnosis	ICD-10-CM
X52.XXXA	Prolonged stay in weightless environment, initial encounter	Diagnosis	ICD-10-CM
X52.XXXD	Prolonged stay in weightless environment, subsequent encounter	Diagnosis	ICD-10-CM
X58.XXXA	Exposure to other specified factors, initial encounter	Diagnosis	ICD-10-CM
X58.XXXD	Exposure to other specified factors, subsequent encounter	Diagnosis	ICD-10-CM
Acute Respiratory Distress Syndrome (ARDS)			
J80	Acute respiratory distress syndrome	Diagnosis	ICD-10-CM
Acute Respiratory Failure			
J96	Respiratory failure, not elsewhere classified	Diagnosis	ICD-10-CM
J96.0	Acute respiratory failure	Diagnosis	ICD-10-CM
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	Diagnosis	ICD-10-CM
J96.01	Acute respiratory failure with hypoxia	Diagnosis	ICD-10-CM
J96.02	Acute respiratory failure with hypercapnia	Diagnosis	ICD-10-CM
Acute on Chronic Respiratory Failure			
J96.2	Acute and chronic respiratory failure	Diagnosis	ICD-10-CM
J96.20	Acute and chronic respiratory failure unspecified with hypoxia/hypercapnia	Diagnosis	ICD-10-CM
J96.21	Acute and chronic respiratory failure with hypoxia	Diagnosis	ICD-10-CM
J96.22	Acute and chronic respiratory failure with hypercapnia	Diagnosis	ICD-10-CM
Unspecified Respiratory Failure			
J96.9	Respiratory failure, unspecified	Diagnosis	ICD-10-CM
J96.90	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia	Diagnosis	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
J96.91	Respiratory failure, unspecified with hypoxia	Diagnosis	ICD-10-CM
J96.92	Respiratory failure, unspecified with hypercapnia	Diagnosis	ICD-10-CM
Post-Procedural Respiratory Failure			
J95.1	Acute pulmonary insufficiency following thoracic surgery	Procedure	ICD-10-CM
J95.2	Acute pulmonary insufficiency following nonthoracic surgery	Procedure	ICD-10-CM
J95.3	Chronic pulmonary insufficiency following surgery	Procedure	ICD-10-CM
J95.82	Postprocedural respiratory failure	Procedure	ICD-10-CM
J95.821	Acute postprocedural respiratory failure	Procedure	ICD-10-CM
J95.822	Acute and chronic postprocedural respiratory failure	Procedure	ICD-10-CM
Acute Respiratory Distress Syndrome (ARDS)			
J80	Acute respiratory distress syndrome	Diagnosis	ICD-10-CM
Mechanical Ventilation			
5A09359	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A0935B	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A0935Z	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-CM
5A09458	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-CM
5A09459	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A0945B	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A0945Z	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-CM
5A09558	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-CM
5A09559	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A0955B	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A0955Z	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-CM
5A1935Z	Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-CM
5A1945Z	Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-CM
5A1945Z	Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-CM
5A1955Z	Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-CM
Intubation			
0BH17DZ	Insertion of Intraluminal Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH13EZ	Insertion of Endotracheal Airway into Trachea, Percutaneous Approach	Procedure	ICD-10-CM
0BH172Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM

Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
0BH182Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH18DZ	Insertion of Intraluminal Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH18YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0WHQ73Z	Insertion of Infusion Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0WHQ7YZ	Insertion of Other Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM
High Flow Nasal Cannula (HFNC)			
5A0935A	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, High Nasal Flow/Velocity	Procedure	ICD-10-CM
5A0945A	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, High Nasal Flow/Velocity	Procedure	ICD-10-CM
5A0955A	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, High Nasal Flow/Velocity	Procedure	ICD-10-CM
Extracorporeal Membrane Oxygenation (ECMO)			
5A15223	Extracorporeal Membrane Oxygenation, Continuous	Procedure	ICD-10-CM
5A1522F	Extracorporeal Oxygenation, Membrane, Central	Procedure	ICD-10-CM
5A1522G	Extracorporeal Oxygenation, Membrane, Peripheral Veno-arterial	Procedure	ICD-10-CM
5A1522H	Extracorporeal Oxygenation, Membrane, Peripheral Veno-venous	Procedure	ICD-10-CM
5A15A2F	Extracorporeal Oxygenation, Membrane, Central, Intraoperative	Procedure	ICD-10-CM
5A15A2G	Extracorporeal Oxygenation, Membrane, Peripheral Veno-arterial, Intraoperative	Procedure	ICD-10-CM
5A15A2H	Extracorporeal Oxygenation, Membrane, Peripheral Veno-venous, Intraoperative	Procedure	ICD-10-CM
Z92.81	Personal history of extracorporeal membrane oxygenation (ECMO)	Diagnosis	ICD-10-CM
Continuous Positive Airway Pressure (CPAP)			
5A09357	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM
5A09457	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM
5A09557	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM

Appendix G. List of Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology, Fourth Edition (CPT-4) Codes to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
Transfusion			
C9503	Fresh frozen plasma, donor retested, each unit	Procedure	HCPCS
P9060	Fresh frozen plasma, donor retested, each unit	Procedure	HCPCS
P9059	Fresh frozen plasma between 8-24 hours of collection, each unit	Procedure	HCPCS
P9017	Fresh frozen plasma (single donor), frozen within 8 hours of collection, each unit	Procedure	HCPCS
C1009	Plasma, cryoprecipitate reduced, each unit	Procedure	HCPCS
P9044	Plasma, cryoprecipitate reduced, each unit	Procedure	HCPCS
C1022	Plasma, frozen within 24 hours of collection, each unit	Procedure	HCPCS
C1013	Platelet concentrate, leukoreduced, each unit	Procedure	HCPCS
C1014	Platelet, leukoreduced, apheresis/pheresis, each unit	Procedure	HCPCS
P9020	Platelet rich plasma, each unit	Procedure	HCPCS
P9019	Platelets, each unit	Procedure	HCPCS
C9500	Platelets, irradiated, each unit	Procedure	HCPCS
P9032	Platelets, irradiated, each unit	Procedure	HCPCS
P9031	Platelets, leukocytes reduced, each unit	Procedure	HCPCS
P9033	Platelets, leukocytes reduced, irradiated, each unit	Procedure	HCPCS
C9501	Platelets, pheresis, each unit	Procedure	HCPCS
P9034	Platelets, pheresis, each unit	Procedure	HCPCS
C9502	Platelets, pheresis, irradiated, each unit	Procedure	HCPCS
P9036	Platelets, pheresis, irradiated, each unit	Procedure	HCPCS
P9035	Platelets, pheresis, leukocytes reduced, each unit	Procedure	HCPCS
C1012	Platelet concentrate, leukoreduced, irradiated, each unit	Procedure	HCPCS
C1011	Platelet, hla-matched leukoreduced, apheresis/pheresis, each unit	Procedure	HCPCS
C1017	Platelet, leukoreduced, cmv-negative, apheresis/pheresis, each unit	Procedure	HCPCS
C1015	Platelets, pheresis, leukocyte-reduced, CMV negative, irradiated, each unit	Procedure	HCPCS
P9037	Platelets, pheresis, leukocytes reduced, irradiated, each unit	Procedure	HCPCS
P9023	Plasma, pooled multiple donor, solvent/detergent treated, frozen, each unit	Procedure	HCPCS
C1019	Platelet, leukoreduced, irradiated, apheresis/pheresis, each unit	Procedure	HCPCS
P9057	Red blood cells, frozen/deglycerolized/washed, leukocytes reduced, irradiated, each unit	Procedure	HCPCS
C1020	Red blood cells, frozen/deglycerolized/washed, leukocyte-reduced, irradiated, each unit	Procedure	HCPCS
C1021	Red blood cells, leukocyte-reduced, CMV negative, irradiated, each unit	Procedure	HCPCS
P9058	Red blood cells, leukocytes reduced, CMV-negative, irradiated, each unit	Procedure	HCPCS
P9040	Red blood cells, leukocytes reduced, irradiated, each unit	Procedure	HCPCS
P9039	Red blood cells, deglycerolized, each unit	Procedure	HCPCS
P9021	Red blood cells, each unit	Procedure	HCPCS
P9038	Red blood cells, irradiated, each unit	Procedure	HCPCS
P9016	Red blood cells, leukocytes reduced, each unit	Procedure	HCPCS
P9022	Red blood cells, washed, each unit	Procedure	HCPCS
P9054	Whole blood or red blood cells, leukocytes reduced, frozen, deglycerol, washed, each unit	Procedure	HCPCS
C1016	Whole blood or red blood cells, leukoreduced, frozen, deglycerol, washed, each unit	Procedure	HCPCS
P9051	Whole blood or red blood cells, leukocytes reduced, CMV-negative, each unit	Procedure	HCPCS

Appendix G. List of Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology, Fourth Edition (CPT-4) Codes to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
C1010	Whole blood or red blood cells, leukoreduced, CMV negative, each unit	Procedure	HCPCS
Intubation			
31500	Intubation, endotracheal, emergency procedure	Procedure	CPT-4
G8164	Patient with isolated coronary artery bypass graft documented to have prolonged intubation	Procedure	HCPCS
G8569	Prolonged postoperative intubation (> 24 hrs) required	Procedure	HCPCS

Appendix H. Specifications Defining Parameters for this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool [version 10.3.1] to estimate rates of acute respiratory failure in the Sentinel Distributed Database (SDD).

Query period run 1: Pre-COVID era: April 1, 2016 - December 31, 2019
Query period run 2: COVID era: January 1 2020 - current data
Query period run 3: Both eras combined: April 1, 2016 - current data
Coverage requirement: Medical & Drug
Pre-index enrollment requirement: 183 days
Post-index enrollment requirement: 0 days
Enrollment gap: 45 days
Age groups: 0-17, 18-39, 40-64, 65+
Stratifications: Age group
Distribution of index-defining codes: Yes
Envelope macro: Do not reclassify
Freeze data: No

Exposure/Event

Scenario	Description	ARF definition	Index Exposure/ Event	Cohort definition	Washout period	Incident with respect to	Care setting	Principal diagnosis position	Censor enrollment at evidence of
1	General Resp Fail w/ IP encounter	1. Inpatient encounter 2. RespFailAcute OR RespFailAcuteOnChronic OR RespFailUnspec 3. ProcedMechVent OR ProcedECMO OR ProcedHFNC OR ProcedCPAP	IP encounter (see Appendix H.5)	All valid index dates during query period	30 days	Combo	ED*/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end

Appendix H. Specifications Defining Parameters for this Request

Exposure/Event									
Scenario	Description	ARF definition	Index Exposure/Event	Cohort definition	Washout period	Incident with respect to:	Care setting	Principal diagnosis position	Censor enrollment at evidence of
2	Intubation and Mechanical Ventilation Resp Fail w/ IP encounter	1. Inpatient encounter 2. RespFailAcute OR RespFailAcuteOnChronic OR RespFailUnspec 3. ProcedMechVent 4. ProcedIntub	IP encounter (see Appendix H.5)	All valid index dates during query period	30 days	Combo	ED*/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end
3	Respiratory Failure Codes	RespFailAcute OR RespFailAcuteOnChron OR RespFailUnspec	RespFailAcute OR RespFailAcuteOnChron OR RespFailUnspec	All valid index dates during query period	30 days	RespFailAcute OR RespFailAcuteOnChron OR RespFailUnspec	ED*/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end
4	Acute Respiratory Failure	RespFailAcute	RespFailAcute	All valid index dates during query period	30 days	RespFailAcute	ED*/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end
5	Acute on Chronic Respiratory Failure	RespFailAcuteOnChron	RespFailAcuteOnChron	All valid index dates during query period	30 days	RespFailAcuteOnChron	ED*/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end
6	Unspecified Respiratory Failure	RespFailUnspec	RespFailUnspec	All valid index dates during query period	30 days	RespFailUnspec	ED*/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end

Appendix H. Specifications Defining Parameters for this Request

Exposure/Event									
Scenario	Description	ARF definition	Index Exposure/ Event	Cohort definition	Washout period	Incident with respect to:	Care setting	Principal diagnosis position	Censor enrollment at evidence of
7	All Procedure Codes	ProcedMechVent OR ProcedECMO OR ProcedHFNC OR ProcedCPAP	ProcedMechVent OR ProcedECMO OR ProcedHFNC OR ProcedCPAP	All valid index dates during query period	30 days	ProcedMechVent OR ProcedECMO OR ProcedHFNC OR ProcedCPAP	ED/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end
8	Mech Vent	ProcedIntub AND ProcedMechVent	ProcedMechVent	All valid index dates during query period	30 days	ProcedMechVent	ED/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end
9	CPAP	ProcedCPAP	ProcedCPAP	All valid index dates during query period	30 days	ProcedCPAP	ED/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end
10	Mech Vent, agnostic to intubation	ProcedMechVent	ProcedMechVent	All valid index dates during query period	30 days	ProcedMechVent	ED/IP*	Any	Death; Disenrollment; Query end; DP end date; Episode end

ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360.
NDC codes are checked against First Data Bank's FDB MedKnowledge®.

Appendix H. Specifications Defining Parameters for this Request

Inclusion/Exclusion Criteria									
Scenario	Inclusion/ Exclusion	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Forced supply to attach to dispensings
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	Inclusion	ProcedIntub	ED*/IP*	Any	-1	1	N	1	N/A
9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360.
NDC codes are checked against First Data Bank's FDB MedKnowledge®.

Appendix H.1. Specifications Defining Parameters for Baseline Characteristics in this Request

Baseline Characteristics					
Covariate	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the covariate should be found in evaluation period
Anaphylaxis	IP*/ED*	Any	0	0	1
Angioedema	IP*/ED*	Any	0	0	1
Aspiration of gastric contents	IP*/ED*	Any	0	0	1
Asthma	IP*/ED*	Any	0	0	1
Asthma exacerbation	IP*/ED*	Any	0	0	1
Cardiogenic risk factors	IP*/ED*	Any	0	0	1
COPD	IP*/ED*	Any	0	0	1
COPD exacerbation	IP*/ED*	Any	0	0	1
Congestive heart failure	IP*/ED*	Any	0	0	1
Drowning	IP*/ED*	Any	0	0	1
Pancreatitis	IP*/ED*	Any	0	0	1
Pneumonia	IP*/ED*	Any	0	0	1
Pulmonary contusion	IP*/ED*	Any	0	0	1
Pulmonary embolus	IP*/ED*	Any	0	0	1
Sepsis	IP*/ED*	Any	0	0	1
Shock	IP*/ED*	Any	0	0	1
Transfusion	IP*/ED*	Any	0	0	1
Severe Trauma	IP*/ED*	Any	0	0	1
Alpha-1-antitrypsin deficiency	IP*/ED*	Any	0	0	1
Bronchiectasis	IP*/ED*	Any	0	0	1
Cystic fibrosis	IP*/ED*	Any	0	0	1
Sarcoidosis	IP*/ED*	Any	0	0	1
Other lung disorders	IP*/ED*	Any	0	0	1

Appendix H.1. Specifications Defining Parameters for Baseline Characteristics in this Request

Baseline Characteristics					
Covariate	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the covariate should be found in evaluation period
Interstitial lung diseases	IP*/ED*	Any	0	0	1
Idiopathic pulmonary fibrosis (IPF)	IP*/ED*	Any	0	0	1
Cryptogenic organizing pneumonia (COP)	IP*/ED*	Any	0	0	1
Non-specific interstitial pneumonitis (NSIP)	IP*/ED*	Any	0	0	1
Hypersensitivity Pneumonitis	IP*/ED*	Any	0	0	1
Connective tissue rheumatic lung disease	IP*/ED*	Any	0	0	1
Drug-induced interstitial lung disorders	IP*/ED*	Any	0	0	1
Radiation-associated pulmonary manifestations	IP*/ED*	Any	0	0	1
Pneumoconioses	IP*/ED*	Any	0	0	1
Sickle-cell disease with acute chest syndrome	IP*/ED*	Any	0	0	1
Influenza	IP*/ED*	Any	0	0	1
COVID-19	IP*/ED*	Any	0	0	1
Anaphylaxis	IP*/ED*	Any	-7	7	1
Angioedema	IP*/ED*	Any	-7	7	1
Aspiration of gastric contents	IP*/ED*	Any	-7	7	1
Asthma	IP*/ED*	Any	-7	7	1
Asthma exacerbation	IP*/ED*	Any	-7	7	1
Cardiogenic risk factors	IP*/ED*	Any	-7	7	1
COPD	IP*/ED*	Any	-7	7	1
COPD exacerbation	IP*/ED*	Any	-7	7	1
Congestive heart failure	IP*/ED*	Any	-7	7	1
Drowning	IP*/ED*	Any	-7	7	1
Pancreatitis	IP*/ED*	Any	-7	7	1

Appendix H.1. Specifications Defining Parameters for Baseline Characteristics in this Request

Baseline Characteristics					
Covariate	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the covariate should be found in evaluation period
Pneumonia	IP*/ED*	Any	-7	7	1
Pulmonary contusion	IP*/ED*	Any	-7	7	1
Pulmonary embolus	IP*/ED*	Any	-7	7	1
Sepsis	IP*/ED*	Any	-7	7	1
Shock	IP*/ED*	Any	-7	7	1
Transfusion	IP*/ED*	Any	-7	7	1
Severe Trauma	IP*/ED*	Any	-7	7	1
Alpha-1-antitrypsin deficiency	IP*/ED*	Any	-7	7	1
Bronchiectasis	IP*/ED*	Any	-7	7	1
Cystic fibrosis	IP*/ED*	Any	-7	7	1
Sarcoidosis	IP*/ED*	Any	-7	7	1
Other lung disorders	IP*/ED*	Any	-7	7	1
Interstitial lung diseases	IP*/ED*	Any	-7	7	1
Idiopathic pulmonary fibrosis (IPF)	IP*/ED*	Any	-7	7	1
Cryptogenic organizing pneumonia (COP)	IP*/ED*	Any	-7	7	1
Non-specific interstitial pneumonitis (NSIP)	IP*/ED*	Any	-7	7	1
Hypersensitivity Pneumonitis	IP*/ED*	Any	-7	7	1
Connective tissue rheumatic lung disease	IP*/ED*	Any	-7	7	1
Drug-induced interstitial lung disorders	IP*/ED*	Any	-7	7	1
Radiation-associated pulmonary manifestations	IP*/ED*	Any	-7	7	1
Pneumoconioses	IP*/ED*	Any	-7	7	1
Sickle-cell disease with acute chest syndrome	IP*/ED*	Any	-7	7	1

Appendix H.1. Specifications Defining Parameters for Baseline Characteristics in this Request

Baseline Characteristics					
Covariate	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the covariate should be found in evaluation period
Influenza	IP*/ED*	Any	-7	7	1
COVID-19	IP*/ED*	Any	-7	7	1
Anaphylaxis	IP*/ED*	Any	-183	-1	1
Angioedema	IP*/ED*	Any	-183	-1	1
Aspiration of gastric contents	IP*/ED*	Any	-183	-1	1
Asthma	IP*/ED*	Any	-183	-1	1
Asthma exacerbation	IP*/ED*	Any	-183	-1	1
Cardiogenic risk factors	IP*/ED*	Any	-183	-1	1
COPD	IP*/ED*	Any	-183	-1	1
COPD exacerbation	IP*/ED*	Any	-183	-1	1
Congestive heart failure	IP*/ED*	Any	-183	-1	1
Drowning	IP*/ED*	Any	-183	-1	1
Pancreatitis	IP*/ED*	Any	-183	-1	1
Pneumonia	IP*/ED*	Any	-183	-1	1
Pulmonary contusion	IP*/ED*	Any	-183	-1	1
Pulmonary embolus	IP*/ED*	Any	-183	-1	1
Sepsis	IP*/ED*	Any	-183	-1	1
Shock	IP*/ED*	Any	-183	-1	1
Transfusion	IP*/ED*	Any	-183	-1	1
Severe Trauma	IP*/ED*	Any	-183	-1	1
Alpha-1-antitrypsin deficiency	IP*/ED*	Any	-183	-1	1
Bronchiectasis	IP*/ED*	Any	-183	-1	1
Cystic fibrosis	IP*/ED*	Any	-183	-1	1

Appendix H.1. Specifications Defining Parameters for Baseline Characteristics in this Request

Baseline Characteristics					
Covariate	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the covariate should be found in evaluation period
Sarcoidosis	IP*/ED*	Any	-183	-1	1
Other lung disorders	IP*/ED*	Any	-183	-1	1
Interstitial lung diseases	IP*/ED*	Any	-183	-1	1
Idiopathic pulmonary fibrosis (IPF)	IP*/ED*	Any	-183	-1	1
Cryptogenic organizing pneumonia (COP)	IP*/ED*	Any	-183	-1	1
Non-specific interstitial pneumonitis (NSIP)	IP*/ED*	Any	-183	-1	1
Hypersensitivity Pneumonitis	IP*/ED*	Any	-183	-1	1
Connective tissue rheumatic lung disease	IP*/ED*	Any	-183	-1	1
Drug-induced interstitial lung disorders	IP*/ED*	Any	-183	-1	1
Radiation-associated pulmonary manifestations	IP*/ED*	Any	-183	-1	1
Pneumoconioses	IP*/ED*	Any	-183	-1	1
Sickle-cell disease with acute chest syndrome	IP*/ED*	Any	-183	-1	1
Influenza	IP*/ED*	Any	-183	-1	1
COVID-19	IP*/ED*	Any	-183	-1	1
ARDS	IP*/ED*	Any	-1	0	1
Acute Resp. Failure	IP*/ED*	Any	-1	0	1
Acute on Chronic Resp. Failure	IP*/ED*	Any	-1	0	1
Unspecified Resp. Failure	IP*/ED*	Any	-1	0	1
Acute Resp. Failure OR Acute on Chronic Resp. Failure OR Unspecified Resp. Failure	IP*/ED*	Any	-1	0	1
Post-procedural respiratory failure	IP*/ED*	Any	-1	0	1
Mechanical Ventilation	IP*/ED*	Any	-1	0	1
Intubation	IP*/ED*	Any	-1	0	1

Appendix H.1. Specifications Defining Parameters for Baseline Characteristics in this Request

Baseline Characteristics					
Covariate	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the covariate should be found in evaluation period
HFNC	IP*/ED*	Any	-1	0	1
CPAP	IP*/ED*	Any	-1	0	1
ECMO	IP*/ED*	Any	-1	0	1
Mechanical Ventilation OR Intubation OR HFNC OR CPAP OR ECMO	IP*/ED*	Any	-1	0	1
Mechanical Ventilation AND Intubation	IP*/ED*	Any	-1	0	1
Acute Resp. Failure	ED*	Any	-1	0	1
Acute on Chronic Resp. Failure	ED*	Any	-1	0	1
Unspecified Resp. Failure	ED*	Any	-1	0	1
Acute Resp. Failure OR Acute on Chronic Resp. Failure OR Unspecified Resp. Failure	ED*	Any	-1	0	1
ARDS	IP*/ED*	Any	-1	-1	1
Acute Resp. Failure	IP*/ED*	Any	-1	-1	1
Acute on Chronic Resp. Failure	IP*/ED*	Any	-1	-1	1
Unspecified Resp. Failure	IP*/ED*	Any	-1	-1	1
Acute Resp. Failure OR Acute on Chronic Resp. Failure OR Unspecified Resp. Failure	IP*/ED*	Any	-1	-1	1
Post-procedural respiratory failure	IP*/ED*	Any	-1	-1	1
Mechanical Ventilation	IP*/ED*	Any	-1	-1	1
Intubation	IP*/ED*	Any	-1	-1	1
HFNC	IP*/ED*	Any	-1	-1	1
CPAP	IP*/ED*	Any	-1	-1	1
ECMO	IP*/ED*	Any	-1	-1	1
Mechanical Ventilation OR Intubation OR HFNC OR CPAP OR ECMO	IP*/ED*	Any	-1	-1	1
Mechanical Ventilation AND Intubation	IP*/ED*	Any	-1	-1	1
Acute Resp. Failure	ED*	Any	-1	-1	1

Appendix H.1. Specifications Defining Parameters for Baseline Characteristics in this Request

Baseline Characteristics

Covariate	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the covariate should be found in evaluation period
Acute on Chronic Resp. Failure	ED*	Any	-1	-1	1
Unspecified Resp. Failure	ED*	Any	-1	-1	1
Acute Resp. Failure OR Acute on Chronic Resp. Failure OR Unspecified Resp. Failure	ED*	Any	-1	-1	1

Appendix H.2. Specifications Defining Parameters for Most Frequent Utilization in this Request

Most Frequent Utilization

Number of codes to return	MFU evaluation period start	MFU evaluation period end	Code Category	Encounter caresetting	Principal encounter	Counting method
50	-7	7	Diagnosis codes; Procedure codes	Any care setting	Any	The MFU output is sorted by patient counts

Appendix H.3. Specifications Defining Parameters for Comorbidity Score in this Request

Comorbidity Score

Evaluation period start	Evaluation period end
-183	0

Appendix H.4. Specifications Defining Parameters for Health Services Utilization in this Request

Utilization

Medical utilization evaluation period start	Medical utilization evaluation period end	Medical visit care settings	Drug utilization evaluation period start	Drug utilization evaluation period end
-183	0	*Inpatient hospital stay; *Non-acute institutional stay; *Emergency department encounter; *Ambulatory visit; *Other ambulatory visit; *Any care setting	-183	0

Appendix H.5. Specifications Defining Parameters for Combo Tool in this Request

Combo							
Combination description	Combination date	RawDaysFromStartDt	RawDaysFromEndDt	RawExclusion	Combination Order	Encounter type for each combination component	Principal diagnosis for each combination component
Inpatient encounter	ADATEB	N/A	N/A	0	1	Inpatient hospital stay	N/A
Acute, Acute on Chronic, or Unspecified Respiratory Failure	ADATEB	0	0	0	2	ED*/IP*	Any
Mechanical ventilation, ECMO, HFNC, or NIPPV	ADATEB	0	0	0	3	ED*/IP*	Any
Inpatient encounter	ADATEB	N/A	N/A	0	1	Inpatient hospital stay	N/A
Acute, Acute on Chronic, or Unspecified Respiratory Failure	ADATEB	0	0	0	2	ED*/IP*	Any
Intubation	ADATEB	0	0	0	3	ED*/IP*	Any
Mechanical ventilation	ADATEB	0	0	0	4	ED*/IP*	Any