

Disclaimer

The FDA chose a specific outcome algorithm that met its need for a given medical product-outcome assessment. The use of a specific outcome algorithm in a Sentinel assessment should not be interpreted as an endorsement from FDA to use the algorithm for all safety assessments. Investigators should always consider the objective, study design, analytic approach, and data source of a given medical product safety assessment when choosing the outcome algorithm. The suitability of an outcome algorithm may change when applied to different scenarios. For additional information, please refer to the

<u>Best Practices for Conducting and Reporting Pharmacoepidemiologic Safety Studies Using Electronic Healthcare Data</u> guidance document provided by the FDA.



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Title	COVID-19 Severity Algorithm Defined in "Risk of Adverse Neonatal Health Outcomes Among Pregnant
	Patients With and Without COVID-19: A Propensity Score Matched Analysis"
Request ID	cder_mpl2p_wp041
Description	This report lists International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT Category II), Current Procedural Terminology, Category III (CPT Category III), Current Procedural Terminology, Fourth Edition (CPT-4), and Revenue codes and algorithms used to define COVID-19 severity in this request.
	For additional information about the algorithm and how it was defined relative to the cohort and exposure(s) of interest in the analysis, refer to the analysis webpage here: https://www.sentinelinitiative.org/studies/drugs/individual-drug-analyses/risk-adverse-neonatal-health-outcomes-among-pregnant
Outcome	COVID-19 Severity
Algorithm to Define Outcome	The COVID-19 severity outcome is characterized mutually as exclusive descriptors of COVID-19 severity in the same obstetric-related period of interest as COVID-19 identification using ICD-10-CM, ICD-10-PCS, HCPCS, CPT Category II, CPT Category III, CPT-4, and Revenue codes in the maternal records. The numerically highest endpoint took precedence in establishing the hierarchy per patient. Levels 2-5 are severe endpoints as hospitalized diagnoses; level 1 is non-severe. Level 5: Hospitalization for COVID-19 with expired discharge status (death); Level 4: Hospitalization for COVID-19 with acute respiratory distress syndrome (ARDS) or requiring ventilation; Level 3: Hospitalization for COVID-19 with an intensive care unit (ICU) admission; Level 2: Hospitalization for COVID-19 with co-occurring pneumonia, dyspnea, hypoxia, hypoxemia, supplemental oxygen, or non-invasive oxygen therapy; Level 1: Any other occurrence of COVID-19 (non-severe)
Query Period	January 1, 2020 - December 31, 2022
Request Send Date	June 30, 2023



Glossary

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)

Outcome - outcome of interest (either primary or secondary)

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

Request Send Date - date the request was sent to Sentinel Data Partners



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Code	Description	Setting	Category	Code Type
	Hierarchical severity level 4: Acute respiratory distress syndrome, intubation, or invasi	ve mechai	nical ventila	tion
196	Respiratory failure, not elsewhere classified	IP* IS*	Diagnosis	ICD-10-CM
J960	Acute respiratory failure	IP* IS*	Diagnosis	ICD-10-CM
J9600	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
J9601	Acute respiratory failure with hypoxia	IP* IS*	Diagnosis	ICD-10-CM
J9602	Acute respiratory failure with hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
J962	Acute and chronic respiratory failure	IP* IS*	Diagnosis	ICD-10-CM
J9620	Acute and chronic respiratory failure unspecified with hypoxia/hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
J9621	Acute and chronic respiratory failure with hypoxia	IP* IS*	Diagnosis	ICD-10-CM
J9622	Acute and chronic respiratory failure with hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
J969	Respiratory failure, unspecified	IP* IS*	Diagnosis	ICD-10-CM
19690	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
J9691	Respiratory failure, unspecified with hypoxia	IP* IS*	Diagnosis	ICD-10-CM
J9692	Respiratory failure, unspecified with hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
J80	Acute respiratory distress syndrome	IP* IS*	Diagnosis	ICD-10-CM
31500	Intubation, endotracheal, emergency procedure	IP* IS*	Procedure	CPT-4
31600	Tracheostomy, planned procedure	IP* IS*	Procedure	CPT-4
31603	Tracheostomy, emergency procedure, transtracheal	IP* IS*	Procedure	CPT-4
31605	Tracheostomy, emergency procedure, cricothyroid membrane	IP* IS*	Procedure	CPT-4
31730	Transtracheal (percutaneous) introduction of needle wire dilator/stent or indwelling tube for oxygen therapy	IP* IS*	Procedure	CPT-4
33946	Extracorporeal membrane oxygenation (ecmo)/ extracorporeal life support (ecls) provided by physician; initiation, veno-venous	IP* IS*	Procedure	CPT-4
33947	Extracorporeal membrane oxygenation (ecmo)/ extracorporeal life support (ecls) provided by physician; initiation, veno-arterial	IP* IS*	Procedure	CPT-4
33948	Extracorporeal membrane oxygenation (ecmo)/ extracorporeal life support (ecls) provided by physician; daily management, each day, veno-venous	IP* IS*	Procedure	CPT-4
33949	Extracorporeal membrane oxygenation (ecmo)/ extracorporeal life support (ecls) provided by physician; daily management, each day, veno-arterial	IP* IS*	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)	IP* IS*	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 (include fluoroscopic guidance, when performed)	IP* IS*	Procedure	CPT-4



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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	IP* IS*	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	IP* IS*	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)	IP* IS*	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)	IP* IS*	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)	IP* IS*	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	IP* IS*	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	IP* IS*	Procedure	CPT-4
33986	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)	IP* IS*	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)	IP* IS*	Procedure	CPT-4
33988	Insertion of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS	IP* IS*	Procedure	CPT-4
33989	Removal of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS	IP* IS*	Procedure	CPT-4
99504	Home visit for respirator care	IP* IS*	Procedure	CPT-4
09HN7BZ	Insertion of Airway into Nasopharynx, Via Natural or Artificial Opening	IP* IS*	Procedure	ICD-10-PCS
09HN8BZ	Insertion of Airway into Nasopharynx, Via Natural or Artificial Opening Endoscopic	IP* IS*	Procedure	ICD-10-PCS
0B113F4	Insertion Of Endotracheal Airway Into Trachea, Percutaneous Approach	IP* IS*	Procedure	ICD-10-PCS
0B113Z4		IP* IS*		ICD-10-PCS
0B114F4	Insertion Of Endotracheal Airway Into Trachea, Percutaneous Approach	IP* IS*	Procedure	ICD-10-PCS



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0B114Z4	Bypass Trachea To Cutaneous, Percutaneous Endoscopic Approach	IP* IS*	Procedure	ICD-10-PCS
OB21XEZ	Change Endotracheal Airway In Trachea, External Approach	IP* IS*	Procedure	ICD-10-PCS
OB21XFZ	Change Endotracheal Airway In Trachea, External Approach	IP* IS*	Procedure	ICD-10-PCS
OBH13EZ	Insertion of Endotracheal Airway into Trachea, Percutaneous Approach	IP* IS*	Procedure	ICD-10-PCS
OBH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	IP* IS*	Procedure	ICD-10-PCS
OBH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening Endoscopic	IP* IS*	Procedure	ICD-10-PCS
OCHY7BZ	Insertion of Airway into Mouth and Throat, Via Natural or Artificial Opening	IP* IS*	Procedure	ICD-10-PCS
OCHY8BZ	Insertion of Airway into Mouth and Throat, Via Natural or Artificial Opening Endoscopic	IP* IS*	Procedure	ICD-10-PC
DDH57BZ	Insertion of Airway into Esophagus, Via Natural or Artificial Opening	IP* IS*	Procedure	ICD-10-PCS
DH58BZ	Insertion of Airway into Esophagus, Via Natural or Artificial Opening Endoscopic	IP* IS*	Procedure	ICD-10-PCS
4168F	Patient receiving care in the intensive care unit (ICU) and receiving mechanical	IP* IS*	Procedure	
	ventilation, 24 hours or less (CRIT)			Category I
5A15223	Extracorporeal Membrane Oxygenation, Continuous	IP* IS*	Procedure	CPT-4
5A1522F	Extracorporeal Oxygenation, Membrane, Central	IP* IS*	Procedure	ICD-10-PC
5A1522G	Extracorporeal Oxygenation, Membrane, Peripheral Veno-arterial	IP* IS*	Procedure	ICD-10-PC
5A1522H	Extracorporeal Oxygenation, Membrane, Peripheral Veno-venous	IP* IS*	Procedure	ICD-10-PC
5A19054	Respiratory Ventilation, Single, Nonmechanical	IP* IS*	Procedure	ICD-10-PC
5A1935Z	Respiratory Ventilation, Less than 24 Consecutive Hours	IP* IS*	Procedure	ICD-10-PC
5A1945Z	Respiratory Ventilation, 24-96 Consecutive Hours	IP* IS*	Procedure	ICD-10-PC
5A1955Z	Respiratory Ventilation, Greater than 96 Consecutive Hours	IP* IS*	Procedure	ICD-10-PC
94002	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, initial day	IP* IS*	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	IP* IS*	Procedure	CPT-4
94004	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; nursing facility, per day	IP* IS*	Procedure	CPT-4
44483	Moisture exchanger, disposable, for use with invasive mechanical ventilation	IP* IS*	Procedure	HCPCS
44623	Tracheostomy, inner cannula	IP* IS*	Procedure	HCPCS
E0465	Home ventilator, any type, used with invasive interface, (e.g., tracheostomy tube)	IP* IS*	Procedure	HCPCS
1325	Injection, epoprostenol, 0.5 mg	IP* IS*	Procedure	HCPCS
Z9911	Dependence on respirator [ventilator] status	IP* IS*	Diagnosis	ICD-10-CN
	Hierarchical severity level 3: Intensive care unit (ICU) admission			
200	ICU general	IP* IS*	Procedure	Revenue
201	ICU surgical	IP* IS*	Procedure	Revenue
202	ICU medical	IP* IS*	Procedure	Revenue



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203	ICU pediatric	IP* IS*	Procedure	Revenue
204	ICU psychiatric stay	IP* IS*	Procedure	Revenue
206	ICU intermediate	IP* IS*	Procedure	Revenue
207	ICU burn care	IP* IS*	Procedure	Revenue
208	ICU trauma	IP* IS*	Procedure	Revenue
209	ICU other	IP* IS*	Procedure	Revenue
210	CCU	IP* IS*	Procedure	Revenue
211	CCU myo infarc	IP* IS*	Procedure	Revenue
212	CCU pulmonary	IP* IS*	Procedure	Revenue
213	CCU transplant	IP* IS*	Procedure	Revenue
214	CCU intermediate	IP* IS*	Procedure	Revenue
219	CCU other	IP* IS*	Procedure	Revenue
G0390	Trauma response team associated with hospital critical care service	IP* IS*	Procedure	HCPCS
G0509	Telehealth consultation, critical care, subsequent, physicians typically spend 50 minutes communicating with the patient and providers via telehealth	IP* IS*	Procedure	HCPCS
G0508	Telehealth consultation, critical care, initial, physicians typically spend 60 minutes communicating with the patient and providers via telehealth	IP* IS*	Procedure	HCPCS
0188T	Remote real-time interactive video-conferenced critical care, evaluation and management of the critically ill or critically injured patient; first 30-74 minutes	IP* IS*	Procedure	CPT Category III
0189T	Remote real-time interactive video-conferenced critical care, evaluation and management of the critically ill or critically injured patient; each additional 30 minutes (List separately in addition to code for primary service)	IP* IS*	Procedure	CPT Category III
0581F	Patient transferred directly from anesthetizing location to critical care unit (Peri2)	IP* IS*	Procedure	CPT Category II
0582F	Patient not transferred directly from anesthetizing location to critical care unit (Peri2)	IP* IS*	Procedure	CPT Category II
99171	Critical Care, Subsequent Follow-up Visit; Brief Examination, Evaluation And/or Treatment For Same Illness	IP* IS*	Procedure	CPT-4
99160	Critical Care, Initial, Including The Diagnostic And Therapeutic Services And Direction Of Care Of The Critically III Or Multiply Injured Or Comatose Patient, Requiring The Prolonged Presence Of The Physician; First Hour	IP* IS*	Procedure	CPT-4
99162	Critical Care, Initial, Including The Diagnostic And Therapeutic Services And Direction Of Care Of The Critically III Or Multiply Injured Or Comatose Patient, Requiring The Prolonged Presence Of The Physician; Each Additional 30 Minutes	IP* IS*	Procedure	CPT-4
99291	Critical care, evaluation and management of the critically ill or critically injured patient; first 30-74 minutes	IP* IS*	Procedure	CPT-4
99292	Critical care, evaluation and management of the critically ill or critically injured patient; each additional 30 minutes (List separately in addition to code for primary service)	IP* IS*	Procedure	CPT-4



B9729Other coronavirus as the cause of diseases classified elsewhereIP* IS*DiagnosisICD-10-CMI1281Pneumonia due to SARS-associated coronavirusIP* IS*DiagnosisICD-10-CMI1282Pneumonia due to SARS-associated coronavirusIP* IS*DiagnosisICD-10-CMI1289Other viral pneumoniaIP* IS*DiagnosisICD-10-CMI1289Viral pneumonia, unspecifiedIP* IS*DiagnosisICD-10-CMI1280Other viral pneumonia, unspecifiedIP* IS*DiagnosisICD-10-CMI1280Other viral pneumonia, unspecifiedIP* IS*DiagnosisICD-10-CMI1280Other viral pneumoniaIP* IS*DiagnosisICD-10-CMI1280Other viral pneumoniaIP* IS*DiagnosisICD-10-CMI1280Other viral pneumoniaIP* IS*DiagnosisICD-10-CMI1281Other viral		Hierarchical severity level 2: Pneumonia			
J1281Pneumonia due to SARS-associated coronavirusIP* IS*DiagnosisICD-10-CMJ1282Other viral pneumoniaIP* IS*DiagnosisICD-10-CMJ1283Other viral pneumonia, unspecifiedIP* IS*DiagnosisICD-10-CMJ1294Viral pneumonia, unspecifiedIP* IS*DiagnosisICD-10-CMR0600Shortness of breath or trouble breathingIP* IS*DiagnosisICD-10-CMR0600OrthopneaIP* IS*DiagnosisICD-10-CMR0601OrthopneaIP* IS*DiagnosisICD-10-CMR0603Acute respiratory distressIP* IS*DiagnosisICD-10-CMR0624WheexingIP* IS*DiagnosisICD-10-CMR0635Acute respiratory distressIP* IS*DiagnosisICD-10-CMR0640Other forms of dyspneaIP* IS*DiagnosisICD-10-CMR0641WheexingIP* IS*DiagnosisICD-10-CMR0642WheexingIP* IS*DiagnosisICD-10-CMR0643Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0904AsphyxiaIP* IS*DiagnosisICD-10-CMR0904AsphyxiaIP* IS*DiagnosisICD-10-CMR0904AsphyxiaIP* IS*DiagnosisICD-10-CMR0904Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMI9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*Di	B9729	· · · · · · · · · · · · · · · · · · ·	IP* IS*	Diagnosis	ICD-10-CM
J1282Pneumonia due to coronavirus disease 2019IP* IS*DiagnosisICD-10-CMJ1289Other viral pneumoniaIP* IS*DiagnosisICD-10-CMJ129Viral pneumonia, unspecifiedIP* IS*DiagnosisICD-10-CMR0600Shortness of breath or trouble breathingIP* IS*DiagnosisICD-10-CMR0600Dyspnea, unspecifiedIP* IS*DiagnosisICD-10-CMR0600Oyspnea, unspecifiedIP* IS*DiagnosisICD-10-CMR0600Acute respiratory distressIP* IS*DiagnosisICD-10-CMR0602Cher forms of dyspneaIP* IS*DiagnosisICD-10-CMR0603Acute respiratory distressIP* IS*DiagnosisICD-10-CMR0604Uher forms of dyspneaIP* IS*DiagnosisICD-10-CMR0605MeexingIP* IS*DiagnosisICD-10-CMR0602HypoxemiaIP* IS*DiagnosisICD-10-CMR0903HypoxemiaIP* IS*DiagnosisICD-10-CMR0904AsphyxiaIP* IS*DiagnosisICD-10-CMR0905Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9601Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure, unspecified whether with hypoxia or hype				-	
J1289Other viral pneumoniaIP* IS*DiagnosisICD-10-CM1129Viral pneumonia, unspecifiedIP* IS*DiagnosisICD-10-CM1120Noral pneumonia, unspecifiedIP* IS*DiagnosisICD-10-CM1120Shortness of breath or trouble breathingIP* IS*DiagnosisICD-10-CM120602Shortness of breath or trouble breathingIP* IS*DiagnosisICD-10-CM120603Acute respiratory distressIP* IS*DiagnosisICD-10-CM120603Acute respiratory distressIP* IS*DiagnosisICD-10-CM12062WheezingIP* IS*DiagnosisICD-10-CM120704Hierarchical severity level 2: Hypoxia or hypoxemiaIP* IS*DiagnosisICD-10-CM120804RoboAsphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CM12090Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CM12090AsphyxiaIP* IS*DiagnosisICD-10-CM12090AsphyxiaIP* IS*DiagnosisICD-10-CM12090Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CM12091Acute and chronic respiratory failure unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CM12091Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CM12091Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CM		Pneumonia due to coronavirus disease 2019		-	
J129Viral pneumonia, unspecifiedHierarchical severity level 2: DyspneaDiagnosisICD-10-CMR0602Shortness of breath or trouble breathingIP* IS*DiagnosisICD-10-CMR0600Oyspnea, unspecifiedIP* IS*DiagnosisICD-10-CMR0601OrthopneaIP* IS*DiagnosisICD-10-CMR0602Acute respiratory distressIP* IS*DiagnosisICD-10-CMR0603Acute respiratory distressIP* IS*DiagnosisICD-10-CMR0604Other forms of dyspneaIP* IS*DiagnosisICD-10-CMR0605WheezingIP* IS*DiagnosisICD-10-CMR0606Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0902HypoxemiaIP* IS*DiagnosisICD-10-CMR0903AsphyxiaIP* IS*DiagnosisICD-10-CMJ9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9601Acute respiratory failure unspecified with hypoxiaIP* IS*DiagnosisICD-10-CMJ9601Acute and chronic respiratory failure unspecified with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS* <td></td> <td>Other viral pneumonia</td> <td></td> <td>-</td> <td></td>		Other viral pneumonia		-	
Hierarchical severity level 2: Dyspnea R0602 Shortness of breath or trouble breathing IP* IS* Diagnosis ICD-10-CM R0600 Dyspnea, unspecified IP* IS* Diagnosis ICD-10-CM R0601 Orthopnea IP* IS* Diagnosis ICD-10-CM R0602 Acute respiratory distress IP* IS* Diagnosis ICD-10-CM R0602 Wheezing IP* IS* Diagnosis ICD-10-CM R0602 Wheezing IP* IS* Diagnosis ICD-10-CM R0900 Asphyxia and hypoxemia IP* IS* Diagnosis ICD-10-CM R0901 Asphyxia IP* IS* Diagnosis ICD-10-CM I9600 Acute respiratory failure, unspecified whether with hypoxia or hypercapnia IP* IS* Diagnosis ICD-10-CM I9601 Acute and chronic respiratory failure unspecified with hypoxia/hypercapnia IP* IS* Diagnosis ICD-10-CM I9611 Chronic respiratory failure, unspecified whether with hypoxia or hypercapnia IP* IS* Diagnosis ICD-10-CM I9621 Acute and chronic r		-	IP* IS*	-	
R0600Dyspnea, unspecifiedIP* IS*DiagnosisICD-10-CMR0601OrthopneaIP* IS*DiagnosisICD-10-CMR0603Acute respiratory distressIP* IS*DiagnosisICD-10-CMR0604Uher forms of dyspneaIP* IS*DiagnosisICD-10-CMR0605WheezingIP* IS*DiagnosisICD-10-CMR0606WheezingIP* IS*DiagnosisICD-10-CMR0607Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0901Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0901AsphyxiaIP* IS*DiagnosisICD-10-CMJ9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9601Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hyp					
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R0603Acute respiratory distressIP* IS*DiagnosisICD-10-CMR0609Other forms of dyspneaIP* IS*DiagnosisICD-10-CMR062WheezingIP* IS*DiagnosisICD-10-CMHierarchical severity level 2: Hypoxia or hypoxemiaR090Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0901Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0902HypoxemiaIP* IS*DiagnosisICD-10-CMR0901AsphyxiaIP* IS*DiagnosisICD-10-CMJ9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Acute and chronic respiratory failure unspecified with hypoxiaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9621Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9620Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9630Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9640Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9640Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9641Chronic respirator	R0600	Dyspnea, unspecified	IP* IS*	Diagnosis	ICD-10-CM
R0609Other forms of dyspneaIP* IS*DiagnosisICD-10-CMR062WheezingIP* IS*DiagnosisICD-10-CMHerarchical severity level 2: Hypoxia or hypoxemiaR090Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0901AsphyxiaIP* IS*DiagnosisICD-10-CMR0902HypoxemiaIP* IS*DiagnosisICD-10-CMR0901AsphyxiaIP* IS*DiagnosisICD-10-CMJ9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*ProcedureRevenueJ9612Accute	R0601	Orthopnea	IP* IS*	Diagnosis	ICD-10-CM
R062WheezingIP* IS*DiagnosisICD-10-CMHierarchical severity level 2: Hypoxia or hypoxemiaR090Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0901AsphyxiaIP* IS*DiagnosisICD-10-CMR0901AsphyxiaIP* IS*DiagnosisICD-10-CMR0901Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9601Acute respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9620Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9619Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, un	R0603	Acute respiratory distress	IP* IS*	Diagnosis	ICD-10-CM
Hierarchical severity level 2: Hypoxia or hypoxemia R090 Asphyxia and hypoxemia IP* IS* Diagnosis ICD-10-CM R0901 Asphyxia IP* IS* Diagnosis ICD-10-CM R0901 Asphyxia IP* IS* Diagnosis ICD-10-CM J9600 Acute respiratory failure, unspecified whether with hypoxia or hypercapnia IP* IS* Diagnosis ICD-10-CM J9611 Acute respiratory failure with hypoxia IP* IS* Diagnosis ICD-10-CM J9620 Acute and chronic respiratory failure unspecified whether with hypoxia/hypercapnia IP* IS* Diagnosis ICD-10-CM J9621 Acute and chronic respiratory failure with hypoxia IP* IS* Diagnosis ICD-10-CM J9620 Respiratory failure, unspecified whether with hypoxia or hypercapnia IP* IS* Diagnosis ICD-10-CM J9690 Respiratory failure, unspecified whether with hypoxia or hypercapnia IP* IS* Diagnosis ICD-10-CM J9691 Chronic respiratory failure, unspecified whether with hypoxia or hypercapnia IP* IS* Diagnosis ICD-10-CM J9610 Chronic respirato	R0609	Other forms of dyspnea	IP* IS*	Diagnosis	ICD-10-CM
R090Asphyxia and hypoxemiaIP* IS*DiagnosisICD-10-CMR0902HypoxemiaIP* IS*DiagnosisICD-10-CMR0901AsphyxiaIP* IS*DiagnosisICD-10-CMJ9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9601Acute respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9620Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9620Respiratory failure, unspecified whether with hypoxiaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9692Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9692Respiratory failure, unspecified whether with hypoxiaIP* IS*Procedure Revenue </td <td>R062</td> <td>Wheezing</td> <td>IP* IS*</td> <td>Diagnosis</td> <td>ICD-10-CM</td>	R062	Wheezing	IP* IS*	Diagnosis	ICD-10-CM
R0902HypoxemiaIP* IS*DiagnosisICD-10-CMR0901AsphyxiaIP* IS*DiagnosisICD-10-CMJ9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9601Acute respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9620Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*ProcedureRevenue0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*Procedure		Hierarchical severity level 2: Hypoxia or hypoxemia			
R0901AsphyxiaIP* IS*DiagnosisICD-10-CMJ9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9601Acute respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9620Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*ProcedureRevenue0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory	R090	Asphyxia and hypoxemia	IP* IS*	Diagnosis	ICD-10-CM
J9600Acute respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9601Acute respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9620Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxiaIP* IS*ProcedureRevenue0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*Procedure	R0902	Hypoxemia	IP* IS*	Diagnosis	ICD-10-CM
J9601Acute respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9620Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxiaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxiaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxiaIP* IS*ProcedureRevenue0277Medical/surgical supplies-oxygen-take homeIP* IS*Procedure	R0901	Asphyxia	IP* IS*	Diagnosis	ICD-10-CM
J9620Acute and chronic respiratory failure unspecified with hypoxia/hypercapniaIP* IS*DiagnosisICD-10-CMJ9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxiaIP* IS*ProcedureRevenue0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation Ser	J9600	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
J9621Acute and chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9611Chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxiaIP* IS*ProcedureRevenue0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-Stat / Equip/Supply Or CountIP* IS*ProcedureRevenue<	J9601	Acute respiratory failure with hypoxia	IP* IS*	Diagnosis	ICD-10-CM
J9611Chronic respiratory failure with hypoxiaIP* IS*DiagnosisICD-10-CMJ9690Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9691Respiratory failure, unspecified with hypoxiaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMUsagnosisICD-10-CMHierarchical severity level 2: Supplemental oxygen0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue0507Introduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureCD-10-CM99503Home visit for respiratory therapy careIP* IS*ProcedureCT-10-CM99503Home visit for respiratory therapy careIP* IS*ProcedureCT-4A4608T	J9620	Acute and chronic respiratory failure unspecified with hypoxia/hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
IP* IS*ICD-10-CMJ9690Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapniaDiagnosisJ9691Respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMJ9610Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue0507CCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureCPT-499503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS <td>J9621</td> <td>Acute and chronic respiratory failure with hypoxia</td> <td>IP* IS*</td> <td>Diagnosis</td> <td>ICD-10-CM</td>	J9621	Acute and chronic respiratory failure with hypoxia	IP* IS*	Diagnosis	ICD-10-CM
J9690Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapniaDiagnosisJ9691Respiratory failure, unspecified with hypoxiaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CM Hierarchical severity level 2: Supplemental oxygen 0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat / Equip/Supply Or CountIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue0505Introduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureCPT-404608Transtracheal oxygen catheter, eachIP* IS*ProcedureCPT-4	J9611	Chronic respiratory failure with hypoxia	IP* IS*	Diagnosis	ICD-10-CM
J9691Respiratory failure, unspecified with hypoxiaIP* IS*DiagnosisICD-10-CMJ9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMUnderstand the experimental oxygenUP* IS*DiagnosisICD-10-CMUP* IS*DiagnosisICD-10-CMUP* IS*DiagnosisICD-10-CMUP* IS*DiagnosisICD-10-CMUP* IS*DiagnosisICD-10-CMO277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureICD-10-PCS0503Introduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureCPT-499503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS			IP* IS*		ICD-10-CM
J9610Chronic respiratory failure, unspecified whether with hypoxia or hypercapniaIP* IS*DiagnosisICD-10-CMHierarchical severity level 2: Supplemental oxygen0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureCPT-494608Transtracheal oxygen catheter, eachIP* IS*ProcedureCPT-4	J9690	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia		Diagnosis	
Hierarchical severity level 2: Supplemental oxygen0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureCPT-499503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS	J9691	Respiratory failure, unspecified with hypoxia	IP* IS*	Diagnosis	ICD-10-CM
0277Medical/surgical supplies-oxygen-take homeIP* IS*ProcedureRevenue0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureCPT-499503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS	J9610	Chronic respiratory failure, unspecified whether with hypoxia or hypercapnia	IP* IS*	Diagnosis	ICD-10-CM
0412Respiratory Services-Inhalation ServicesIP* IS*ProcedureRevenue0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureICD-10-PCS99503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS		Hierarchical severity level 2: Supplemental oxygen			
0600Oxygen/Home Health-General ClassificationIP* IS*ProcedureRevenue0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E0976CIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureICD-10-PCS99503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS	0277	Medical/surgical supplies-oxygen-take home	IP* IS*		
0601Oxygen/Home Health-Stat Or Port Equip/Supply Or CountIP* IS*ProcedureRevenue0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureICD-10-PCS99503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS	0412	Respiratory Services-Inhalation Services		Procedure	Revenue
0602Oxygen/Home Health-Stat/Equip/Under 1 LpmIP* IS*ProcedureRevenue0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureICD-10-PCS99503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS	0600	Oxygen/Home Health-General Classification	IP* IS*	Procedure	Revenue
0603Oxygen/Home Health-Stat/Equip/Over 4 LpmIP* IS*ProcedureRevenue0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureICD-10-PCS99503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS	0601	Oxygen/Home Health-Stat Or Port Equip/Supply Or Count		Procedure	Revenue
0604Oxygen/Home Health-Stat/Equip/Portable Add-OnIP* IS*ProcedureRevenue3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*ProcedureICD-10-PCS99503Home visit for respiratory therapy careIP* IS*ProcedureCPT-4A4608Transtracheal oxygen catheter, eachIP* IS*ProcedureHCPCS	0602	Oxygen/Home Health-Stat/Equip/Under 1 Lpm	IP* IS*	Procedure	Revenue
3E097GCIntroduction Of Other Therapeutic Substance Into Nose, Via Natural Or Artificial OpeningIP* IS*Procedure ICD-10-PCS99503Home visit for respiratory therapy careIP* IS*Procedure CPT-4A4608Transtracheal oxygen catheter, eachIP* IS*Procedure HCPCS	0603	Oxygen/Home Health-Stat/Equip/Over 4 Lpm	IP* IS*	Procedure	Revenue
Opening99503Home visit for respiratory therapy careIP* IS*Procedure CPT-4A4608Transtracheal oxygen catheter, eachIP* IS*Procedure HCPCS	0604	Oxygen/Home Health-Stat/Equip/Portable Add-On	IP* IS*	Procedure	Revenue
A4608 Transtracheal oxygen catheter, each IP* IS* Procedure HCPCS	3E097GC	•	IP* IS*	Procedure	ICD-10-PCS
	99503	Home visit for respiratory therapy care	IP* IS*	Procedure	CPT-4
A4615 Cannula, nasal IP* IS* Procedure HCPCS	A4608	Transtracheal oxygen catheter, each	IP* IS*	Procedure	HCPCS
	A4615	Cannula, nasal	IP* IS*	Procedure	HCPCS

G0240 Critical care service delivered by a physician, face to face; during interfacility transport IP* IS* Procedure HCPCS of a critically ill or critically injured patient; first 30-74 minutes of active transport



this Requ	uest			
A4616	Tubing (oxygen), per foot	IP* IS*	Procedure	HCPCS
A4619	Face tent	IP* IS*	Procedure	HCPCS
A4620	Variable concentration mask	IP* IS*	Procedure	HCPCS
E0424	Stationary compressed gaseous oxygen system, rental; includes container, contents, regulator, flowmeter, humidifier, nebulizer, cannula or mask, and tubing	IP* IS*	Procedure	HCPCS
E0425	Stationary compressed gas system, purchase; includes regulator, flowmeter, humidifier, nebulizer, cannula or mask, and tubing	IP* IS*	Procedure	HCPCS
E0430	Portable gaseous oxygen system, purchase; includes regulator, flowmeter, humidifier, cannula or mask, and tubing	IP* IS*	Procedure	HCPCS
E0431	Portable gaseous oxygen system, rental; includes portable container, regulator, flowmeter, humidifier, cannula or mask, and tubing	IP* IS*	Procedure	HCPCS
E0433	Portable liquid oxygen system, rental; home liquefier used to fill portable liquid oxygen containers, includes portable containers, regulator, flowmeter, humidifier, cannula or mask and tubing, with o	IP* IS*	Procedure	HCPCS
E0434	Portable liquid oxygen system, rental; includes portable container, supply reservoir, humidifier, flowmeter, refill adaptor, contents gauge, cannula or mask, and tubing	IP* IS*	Procedure	HCPCS
E0435	Portable liquid oxygen system, purchase; includes portable container, supply reservoir, flowmeter, humidifier, contents gauge, cannula or mask, tubing and refill adaptor	IP* IS*	Procedure	HCPCS
E0439	Stationary liquid oxygen system, rental; includes container, contents, regulator, flowmeter, humidifier, nebulizer, cannula or mask, & tubing	IP* IS*	Procedure	HCPCS
E0440	Stationary liquid oxygen system, purchase; includes use of reservoir, contents indicator, regulator, flowmeter, humidifier, nebulizer, cannula or mask, and tubing	IP* IS*	Procedure	HCPCS
E0441	Stationary oxygen contents, gaseous, 1 month's supply = 1 unit	IP* IS*	Procedure	HCPCS
E0442	Stationary oxygen contents, liquid, 1 month's supply = 1 unit	IP* IS*	Procedure	HCPCS
E0443	Portable oxygen contents, gaseous, 1 month's supply = 1 unit	IP* IS*	Procedure	HCPCS
E0444	Portable oxygen contents, liquid, 1 month's supply = 1 unit	IP* IS*	Procedure	HCPCS
E0447	Portable oxygen contents, one month supply	IP* IS*	Procedure	HCPCS
E0455	Oxygen tent, excluding croup or pediatric tents	IP* IS*	Procedure	HCPCS
E0550	Humidifier, durable for extensive supplemental humidification during ippb treatments or oxygen delivery	IP* IS*	Procedure	HCPCS
E0555	Humidifier, durable, glass or autoclavable plastic bottle type, for use with regulator or flowmeter	IP* IS*	Procedure	HCPCS
E0560	Humidifier, durable for supplemental humidification during ippb treatment or oxygen delivery	IP* IS*	Procedure	HCPCS
E1352	Oxygen accessory, flow regulator capable of positive inspiratory pressure	IP* IS*	Procedure	HCPCS
E1353	Regulator	IP* IS*	Procedure	HCPCS
E1354	Oxygen accessory, wheeled cart for portable cylinder or portable concentrator, any type, replacement only, each	IP* IS*	Procedure	HCPCS



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E1355	Stand/rack	IP* IS*	Procedure	HCPCS
E1356	Oxygen accessory, battery pack/cartridge for portable concentrator, any type, replacement only, each	IP* IS*	Procedure	HCPCS
E1357	Oxygen accessory, battery charger for portable concentrator, any type, replacement only, each	IP* IS*	Procedure	HCPCS
E1358	Oxygen accessory, dc power adapter for portable concentrator, any type, replacement only, each	IP* IS*	Procedure	HCPCS
E1390	Oxygen concentrator, single delivery port, capable of delivering 85 percent or greater oxygen concentration at the prescribed flow rate	IP* IS*	Procedure	HCPCS
E1391	Oxygen concentrator, dual delivery port, capable of delivering 85 percent or greater oxygen concentration at the prescribed flow rate, each	IP* IS*	Procedure	HCPCS
E1392	Portable oxygen concentrator, rental	IP* IS*	Procedure	HCPCS
E1405	Oxygen and water vapor enriching system with heated delivery	IP* IS*	Procedure	HCPCS
E1406	Oxygen and water vapor enriching system without heated delivery	IP* IS*	Procedure	HCPCS
K0738	Portable gaseous oxygen system, rental; home compressor used to fill portable oxygen cylinders; includes portable containers, regulator, flowmeter, humidifier, cannula or mask, and tubing	IP* IS*	Procedure	HCPCS
K0740	Repair or nonroutine service for oxygen equipment requiring the skill of a technician, labor component, per 15 minutes	IP* IS*	Procedure	HCPCS
Z9981	Dependence on supplemental oxygen	IP* IS*	Diagnosis	ICD-10-CM
S8120	Oxygen contents, gaseous, 1 unit equals 1 cubic foot	IP* IS*	Procedure	
S8121	Oxygen contents, liquid, 1 unit equals 1 pound	IP* IS*	Procedure	
	Hierarchical severity level 2: High-flow oxygen or non-invasive mechanical	ventilati	on	
5A09357	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Positive Airway Pressure	IP* IS*	Procedure	ICD-10-PCS
5A09358	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Positive Airway Pressure	IP* IS*	Procedure	ICD-10-PCS
5A0935A	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, High Nasal Flow/Velocity	IP* IS*	Procedure	ICD-10-PCS
5A0935Z	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours	IP* IS*	Procedure	ICD-10-PCS
5A09457	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Positive Airway Pressure	IP* IS*	Procedure	ICD-10-PCS
5A09458	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Positive Airway Pressure	IP* IS*	Procedure	ICD-10-PCS
5A0945A	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, High Nasal Flow/Velocity	IP* IS*	Procedure	ICD-10-PCS
5A0945Z	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours	IP* IS*	Procedure	ICD-10-PCS
	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Positive Airway Pressure	IP* IS*		ICD-10-PCS
5A09558	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Positive Airway Pressure	IP* IS*	Procedure	ICD-10-PCS



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5A0955A	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, High Nasal Flow/Velocity	IP* IS*	Procedure	ICD-10-PCS
5A0955Z	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours	IP* IS*	Procedure	ICD-10-PCS
94660	Continuous positive airway pressure ventilation (CPAP), initiation and management	IP* IS*	Procedure	CPT-4
A7027	Combination oral/nasal mask, used with continuous positive airway pressure device, each	IP* IS*	Procedure	HCPCS
A7045	Exhalation port with or without swivel used with accessories for positive airway devices, replacement only	IP* IS*	Procedure	HCPCS
A7046	Water chamber for humidifier, used with positive airway pressure device, replacement, each	IP* IS*	Procedure	HCPCS
E0466	Home ventilator, any type, used with noninvasive interface, (e.g., mask, chest shell)	IP* IS*	Procedure	HCPCS
E0467	Home ventilator, multi-function respiratory device, also performs any or all of the additional functions of oxygen concentration, drug nebulization, aspiration, and cough stimulation, includes all accessories, components and supplies for all functions	IP* IS*	Procedure	HCPCS
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)	IP* IS*	Procedure	HCPCS
E0471	Respiratory assist device, bi-level pressure capability, with back-up rate feature, used with noninvasive interface, e.g., nasal or facial mask (intermittent assist device with continuous positive airway pressure device)	IP* IS*	Procedure	HCPCS
E0472	Respiratory assist device, bi-level pressure capability, with backup rate feature, used with invasive interface, e.g., tracheostomy tube (intermittent assist device with continuous positive airway pressure device)	IP* IS*	Procedure	HCPCS
5A19054	Respiratory Ventilation, Single, Nonmechanical	IP* IS*	Procedure	ICD-10-PCS
99504	Home visit for respirator care	IP* IS*	Procedure	CPT-4
	Hierarchical severity level 1: COVID-19 Diagnosis			
U071	COVID-19	Any	-	ICD-10-CM
B342	Coronavirus infection, unspecified	IP* IS*	-	ICD-10-CM
B9721	SARS-associated coronavirus as the cause of diseases classified elsewhere	IP* IS*	-	ICD-10-CM
B9729	Other coronavirus as the cause of diseases classified elsewhere	IP* IS*	Diagnosis	ICD-10-CM
J1281	Pneumonia due to SARS-associated coronavirus	IP* IS*	Diagnosis	ICD-10-CM