

Online Supplemental Table 1. ICD-10 Codes Used for Diagnosis of COVID-19, Severe COVID-19, eCNSsx, and Pertinent Risk Factors

| ICD-10 Code | COVID-19 Diagnosis |
|--------------------|--|
| U04 | Severe acute respiratory syndrome [SARS] |
| U04.9 | Severe acute respiratory syndrome [SARS], unspecified |
| U07.1 | COVID-19, virus identified |
| U07.2 | COVID-19, virus not identified |
| B97.2 | Coronavirus as the cause of diseases classified to other chapters |
| B97.21 | SARS-associated coronavirus as the cause of diseases classified elsewhere |
| B97.29 | Other coronavirus as the cause of diseases classified elsewhere |
| B34.2 | Coronavirus infection, unspecified site |
| J12.81 | Pneumonia due to SARS-associated coronavirus |
| ICD-10 Code | Severe COVID-19 Diagnosis Description |
| R65.21 | Septic Shock |
| A41 | Sepsis |
| J96.01 | Hypoxemic respiratory failure |
| J96.12 | Hypercapneic respiratory failure |
| Z99.11 | Dependence on respirator [ventilator] status |
| J80 | Acute Respiratory Distress Syndrome |
| J96.00 | Acute respiratory failure, unspecified whether with hypoxia or hypercapnia |
| J96.01 | Acute respiratory failure, with hypoxia |
| J96.02 | Acute respiratory failure, with hypercapnia |
| R65.11 | Systemic inflammatory response syndrome (SIRS) |
| Z99.89 | Dependence on other enabling machines and devices |
| I82.40 | Acute embolism and thrombosis of unspecified deep veins of lower extremity |
| ICD-10 Code | eCNSsx Diagnosis Description |
| R43.0 | Anosmia |
| R43.9 | Ageusia |
| R42 | Dizziness |
| I67.81 | Acute cerebrovascular disease |
| R27.0 | Ataxia |
| G93.40 | Encephalopathy, unspecified |
| R41.0 | Disorientation, unspecified |
| R41.82 | Impaired consciousness |
| G93.4 | Metabolic Encephalopathy |
| G92 | Toxic Encephalopathy |
| R41.82 | Altered Mental Status |
| ICD-10 Code | Risk Factors Diagnosis Description |

| | |
|---------|--|
| R09.02 | Hypoza |
| I10 | Hypertension |
| E66.9 | Obesity |
| J45.909 | Asthma |
| J44.9 | Chronic Obstructive Pulmonary Disease (COPD) |
| F17.210 | Smoking Status |
| D84.9 | Immunosuppression |
| N18 | Chronic Kidney Disease |
| N18.2 | Chronic Kidney Disease Stage II |
| N18.3 | Chronic Kidney Disease Stage III |
| N18.4 | Chronic Kidney Disease Stage IV |
| E08-E13 | Diabetes |

Note: The ICD-10 code for COVID-19 was not approved by the World Health Organization until April 2020. Therefore, ICD codes frequently used in clinical practice prior to April 2020 were also used as inclusionary criteria for COVID case definition.