**SUPPLEMENT**

Critical illness during hospitalization was defined by the presence of an *ICD9-CM* code for any one of the following conditions:

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| Severe Sepsis | Sepsis (038, 020.0, 790.7, 117.9, 112,4, or 112.81)  AND  One form of organ failure:  - Respiratory: 518.81, acute respiratory failure; 518.82, acute respiratory distress syndrome; 518.85, acute respiratory distress syndrome after shock or trauma; 786.09, respiratory insufficiency; 799.1, respiratory arrest; 96.7x, ventilator management  - Cardiovascular: 458.0, hypotension, postural; 785.5, shock; 785.51, shock, cardiogenic; 785.59, shock, circulatory or septic; 458.8 hypotension, specified type, not elsewhere classified; 458.9, hypotension, arterial, constitutional; 796.3, hypotension, transient  - Renal: 584, acute renal failure; 580, acute glomerulonephritis; 585 renal shutdown, unspecified; 39.95, hemodialysis  - Hepatic: 570, acute hepatic failure or necrosis; 572.2, hepatic encephalopathy; 573.3, hepatitis, septic or unspecified  - Hematologic: 286.2, disseminated intravascular coagulation; 286.6, purpura fulminans; 286.9, coagulopathy; 287.3-5, thrombocytopenia, primary, secondary, or unspecified  - Metabolic: 276.2, acidosis, metabolic or lactic  - Neurologic: 293, transient organic psychosis; 348.1, anoxic brain injury; 348.3, encephalopathy, acute; 780.01, coma; 780.09, altered consciousness, unspecified; 89.14, electroencephalography |
| Shock without mention of trauma | 785.5 and all 5-digit breakouts |
| Traumatic shock | 958.4 |
| Postoperative shock | 998.0 |
| Respiratory failure | Acute respiratory failure (518.81), other pulmonary insufficiency not elsewhere classified (518.82), acute on chronic respiratory failure (518.84) |
| Hypotension | 458 |
| Arrest | Respiratory arrest (799.1), cardiac arrest (427.5), cardiopulmonary resuscitation not otherwise specified (99.60), closed chest cardiac massage (99.63) |
| Continuous mechanical ventilation for >=96 hours | 96.72 |