**Supplemental Table 1**  International Classifications of Disease, Ninth Revision and Tenth Revision, Clinical Modification (ICD-9-CM and ICD-10-CM) codes used for data extraction from the Nationwide Inpatient Sample (NIS).

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| --- | --- | --- |
|  | **ICD-9** | **ICD-10** |
| **Respiratory failure** | 518.81, 518.5, 518.82 | J96.00, J96.01, J96.02, J95.1, J95.2, J80 |
| **Cardiogenic shock** | 785.51 | R57.0 |
| **Cardiac arrest** | 427.5, 410, 415.1, 423.3, 512.0, 668.1 | I46.2, I26.0, I26.9, I31.4, J93.0, O74.2, O03.36, O03.86, O07.36, O08.81, I46.9, I46.8 |
| **Cardiomyopathy** | 674.5, 425.0, 425.1, 425.3, 425.4, 425.5, 425.7, 425.8, 425.9, 429.83 | O90.3, I42.3, I42.1, I42.4, I42.2, I42.5, I42.6, I42.0, I42.8, I42.7, I43, I42.9 |
| **Valvular heart diseases** | 424.0, 424.1, 424.2, 424.3 | I34.0, I34.1, I34.2, I34.2, I34.9, I35.0, I35.1, I35.2, I35.8, I35.9, I36.0, I36.1, I36.2, I36.8, I36.9, I37.0, I37.1, I37.2, I37.8, I37.9 |
| **Ischemic heart disease** | 410.00, 410.01, 410.02, 410.10, 410.11, 410.12, 410.20, 410.21, 410.22, 410.30, 410.31, 410.32,410.40, 410.41, 410.42, 410.50,410.51, 410.52, 410.60, 410.61, 410.62, 410.70, 410.71, 410.72,410.80, 410.81, 410.82, 410.90, 410.91, 410.92, 411.0, 411.1, 411.81, 411.89, 412, 413.0, 413.1, 413.9, 414.00, 414.01, 414.02, 414.03, 414.04, 414.05, 414.06, 414.07, 414.2, 414.3, 414.8, 414.9 | I21.0, I20.01, I20.02, I21.09, I21.1, I21.11, I21.19, I21.2, I21.21, I21.29, I21.3, I21.4, I21.9, I21.A, I21.A1, I21.A9, I22, I22.0, I22.1, I22.2, I22.8, I22.9, I24, I24.0, I24.1, I24.8, I24.9, I25.2, I20.0, I20.1, I20.8, I20.9, I25, I25.10, I25.110, I25.111, I25.118, I25.119, I25.6, I25.81, I25.82. I25.83, I25.84, I25.89, I25.9 |
| **Congenital heart disease** | 746.0, 746.00, 746.01, 746.02, 746.09, 746.1, 746.2, 746.3, 746.4, 746.5, 746.6, 746.7, 746.8, 746.9 | Q20.0, Q20.1, Q20.2, Q20.3, Q20.4, Q20.5, Q20.6, Q20.8, Q20.9, Q21.0, Q21.1, Q21.2. Q21.3, Q21.4, Q21.8, Q21.9, Q22.0, Q22.1, Q22.2, Q22.3, Q22.4, Q22.5, Q22.6, Q22.8, Q22.9, Q23.0, Q23.1, Q23.2, Q23.3, Q23.4, Q23.8, Q23.9, Q24.0, Q24.1, Q24.2, Q24.3, Q24.4, Q24.5, Q24.6, Q24.8, Q24.9 |
| **Endocarditis** | 421.0, 421.1, 421.9, 074.22, 098.84. 036.42, 115.04, 115.14, 115.94, 112.81, 09320, 09321, 09322, 09323, 09324 | I33.0, I33.9, B33.2, B33.20, A54.83, A39.51, A52.03 |
| **Sepsis and septic shock** | 785.52, 995.9, 995.90, 995.91, 995.92, 995.93, 995.94 | R65.21, R65.1, R65.2, R65.20, R65.11, R65.10 |
| **Amniotic fluid embolus** | 673.10, 673.11, 674.12, 673.13, 673.14 | O88.11, O88.111, O88.112, O88.113, O88.119, O88.12, O88.13 |
| **Pulmonary embolism** | 673.00, 673.01, 673.02, 673.03, 673.04, 673.20, 673.21, 673.22, 673.23, 673.24, 673.30, 673.31, 673.32, 673.33, 673.34, 673.80, 673.81, 673.82, 673.83, 673.84 | O88.01, O8.011, O88.012, O88.123, O88.019, O88.02, O88.03, O88.21, O88.211, O88.212, O88.213, O88.219, O88.22, O88.23, O88.31, O88.311, O88.312, O88.313, O88.319, O88.32, O88.319, O88.32, O88.33, O88.81, O88.811, O88.812, O88.813, O88.819, O88.82, O88.83 |
| **Endometritis** | 615.0, 615.1, 615.9 | O86.12 |
| **Pneumonia** | 480.0, 480.1, 480.2, 480.3, 480.8, 480.9, 487.0, 488, 481, 482.0, 482.1, 482.2, 482.30, 482.31, 482.32, 482.39, 482.40, 482.41, 482.42, 482.49, 482.81, 482.82, 482.83, 482.84, 482.89, 482.9, 483  | J12.0, J12.1, J12.2, J12.3, J12.8, J12.81, J12.89, J12.9, J09.X1, J10.0, J10.00, J10.01, J10.08, J11.0, J11.00, J11.08, J13, J14, J15.0, J15.1, J15.20, J15.211, J15.212, J15.29, J15.3, J15.4, J15.5, J15.6, J15.7, J15.8, J15.9, J16.0, J16.8, J17, J18.0, J18.1, J18.2, J18.8, J18.9 |
| **Status asthmaticus** | 493.01, 493.11, 493.21, 493.91 | J45.22, J45.32, J45.42, J45.52, J45.902 |
| **Pulmonary hypertension** | 416.0, 416.8, 416.9 | I27.0, I27.20, I27.21, I27.22, I27.23, I27.24, I27.29, I27.9 |
| **Chronic Kidney Disease** | 585.1, 585.2, 585.3, 585.4, 585.5, 585.6, 585.9 | N18.1, N18.2, N18.3, N18.4, N18.5, N18.6, N18.9 |
| **Obesity** | 278.00, 278.01 | E66.09, E66.8, E66.9, E66.01, E66.2 |
| **Pre-eclampsia** | 642.40, 642.41, 642.42, 642.43, 642.44, 642.50, 642.51, 642.52, 642.53, 642.54 | O14.0, O14.00, O14.02, O14.03, O14.04, O14.05, O14.9, O14.90, O14.92, O14.93, O14.94, O14.95 |
| **Eclampsia** | 642.60, 642.61, 642.62, 642.63, 642.64 | O15.0, O15.00, O15.02, O15.03, O15.1, O15.2, O15.9 |
| **Gestational diabetes** | 648.0, 648.00, 648.01, 648.02, 648.03, 648.04 | O24.0, O24.01, O24.011, O24.012, O24.013, O24.019, O24.02, O24.03, O24.1, O24.11, O24.111, O24.112, O24.113, O24.119, O24.12, O24.13, O24.3, O24.311, O24.312, O24.313, O24.319, O24.32, O24.33, O24.4, O24081, O24.811, O24.812, O24.813, O84.819, O24.82, O24.83, O24.9, O24.91, O24.911, O24.912, O24.913, O24.919, O24.92, O24.93 |
| **Placenta abruption**  | 641.2, 641.20, 641.21, 641.23 | O45.0, O45.00, O45.001, O45.002, O45.003, O45.009, O45.01, O45.011, O45.012, O45.013, O45.019, O45.02, O45.021, O45.022, O45.023, O45.029, O45.09, O45.091, O45.092, O45.093, O45.099, O45.8, O45.8, O45.8X, O45.8X1, O45.8X2, O45.8X3, O45.8X9, O45.9, O45.90, O45.91, O45.92, O45.93 |
| **Placenta previa** | 641.0, 641.00, 641.01, 641.03, 641.1, 641.10, 641.11, 641.13 | O44.0, O44.00, O44.01, O44.02, O44.03, O44.2, O44.20, O44.21, O44.22, O44.23, O44.4, O44.40, O44.41, O44.42, O44.43, O44.1, O44.10, O44.11, O44.12, O44.13, O44.3, O44.30, O44.31, O44.32, O44.33, O44.5, O44.50, O44.51, O44.52, O44.53 |