

**Supplemental Table 1****Comorbidities**

---

<b>Diagnosis</b>	<b>ICD-9 Diagnostic/Procedure Code</b>
Heart failure	428.xx, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93
Diabetes mellitus	250.XX, 357.2X, 326.0X, 362.07
Alcohol Dependence	291.XX, 303.XX, 305.0X
Coronary artery disease	410.XX-413.XX, 00.66, 36.03, 36.04, 36.09, 36.06, 36.07, 36.1X, 36.2X
Chronic obstructive pulmonary disease	490.XX, 491.XX, 492.XX, 494.XX, 496.XX
Cerebral vascular disease	433.X1, 434.X1, 435.XX, 436.XX, 437.1X, 437.9X
Cerebral bleed	430, 431, 432.x
Cancer	14X.XX-208.XX (excluding 173.XX)
Hypertension	401.XX, 402.XX, 405.XX
Valvular heart disease	093.2X, 394.XX-397.XX, 424.XX, 746.3X-746.6X, V42.2, V43.3
Peripheral arterial disease	093.0X, 437.3X, 440.XX, 441.XX, 443.1X, 443.2X, 443.8X, 443.9X, 447.1X, 557.1X, 557.9X, V43.4, 84.1X, 84.3X
Other previous solid organ transplant	V42.1 (heart), V42.6 (lung), V42.7 (liver), V42.83 (pancreas)
Liver disease	070.22, 070.23, 070.32, 070.33, 070.44, 070.54, 070.6X, 070.9X, 456.0X-456.2X, 570.XX, 571.XX, 572.2X-572.4X, 572.8X, 573.3X, 573.4X, 573.8X, 573.9X, V42.7
Tobacco use	305.1x
Arrhythmia	426.0X, 426.13, 426.7X, 426.9X, 426.10, 426.12, 427.0X-427.4X, 427.6X, 427.8X, 427.9X, 785.0X, 996.01, 996.04, V45.0, V53.3

---