

Supplemental Table S1. Clinical Modification (ICD-10-CM) Coding System Utilized During Data Analysis

STEMI	I21, I211, I212	
NSTEMI	I214, I222	
UA	I25, I200, I222	
Sickle cell disease	D57.0 - Sickle-cell anemia without crisis D57.1 - Sickle-cell disease with (acute) chest syndrome D57.2 - Sickle-cell disease with splenic sequestration D57.3 - Sickle-cell disease with (acute) vaso-occlusive crisis D57.4 - Sickle-cell disease with acute chest syndrome D57.5 - Sickle-cell disease with (acute) splenic sequestration D57.8 - Other sickle-cell disorders D57.9 - Sickle-cell disorder, unspecified	
Covid-19	U071	
SHOCK	R571, R578, R579, R6521	
Mechanical support an intubation	T884XXD, T88DXXS, T884XXA, T884,5A1522G, T844, SA1522G	
PCI	02703ZZ, 02704ZZ, 02713ZZ, 02714ZZ, 02723ZZ, 02724ZZ, 02733ZZ, 02734ZZ PCI BMS 02703D6, 02703DZ, 02704D6, 02704DZ, 02703E6, 02703EZ, 02704E6, 02704EZ, 02703F6, 02703FZ, 02704F6, 02704FZ, 02703G6, 02703GZ, 02704G6, 02704GZ, 02713D6, 02713DZ, 02714D6, 02714DZ, 02713E6, 02713EZ, 02714E6, 02714EZ, 02713F6, 02713FZ, 02714F6, 02714FZ, 02713G6, 02713GZ, 02714G6, 02714GZ,	

	02723D6, 02723DZ, 02724D6, 02724DZ, 02723E6, 02723EZ, 02724E6, 02724E6, 02724EZ, 02723F6, 02723FZ, 02724F6, 02724FZ, 02723G6, 02723GZ, 02724G6, 02724GZ, 02733D6, 02733DZ, 02734D6, 02734DZ, 02733E6, 02733EZ, 02734E6, 02734EZ, 02733F6, 02733FZ, 02733FZ, 02734F6, 02733G6, 02733GZ, 02734G6, 02734GZ PCI DES 0270346, 027034Z, 0270446, 027044Z, 0270356, 027035Z, 0270456, 027045Z, 0270366, 027036Z, 0270466, 027046Z, 0270376, 027037Z, 0270476, 027047Z, 0271346, 027134Z, 0271446, 027144Z, 0271356, 027135Z, 0271456, 027145Z, 0271366, 027136Z, 0270376, 0271466, 027146Z, 0271376, 027137Z, 0271476, 027147Z, 0272346, 027234Z, 0272446, 027244Z, 0272356, 027235Z, 0272456, 027245Z, 0272366, 027236Z, 027246Z, 0272376, 027237Z, 0272476, 027035Z, 027247Z, 0273346, 027334Z, 0273446, 027344Z, 0273356, 027335Z, 0273456, 027345Z, 0273366, 027336Z, 0273466, 027346Z, 0273376, 027337Z, 027045Z, 0273476, 027347Z	
Stroke/TIA	I.63x, G.45x	

Acute Heart Failure	I50.21, I50.23, I50.20, I50.40, I50.41, I50.43, I13.2, I13.0	
A Fib/Flutter	I48x	
Post procedural infection	T814x	
Ventricular Fibrillation	I49.01	
Ventricular Tachycardia	I47.2	
Acute coronary syndrome	I21x, I22x, I20.0	
Acute kidney injury	N17.0, N17.9, N99.0, R34	
Hemodialysis	5A1D70Z, 5A1D80Z, 5A1D90Z, 5A1D70, 5A1D8, 5A1D80, 5A1D90, 5A1D9, 5A1D7	
Peripheral vascular disorders	I70.x, I71.x, I72.x, I73.1, I73.8, I73.9, I77.1, I77.7, I79.0, I79.1, I79.8, I79.2,	

	K55.1, K55.8, K55.9, Z95.8, Z95.9	
Chronic pulmonary disease	I27.8, I27.9, J40.x - J47.x, J60.x - J67.x, J68.4, J70.1, J70.3, J84, J96.1	
Diabetes Mellitus	E08.9, E09.9, E10.9, E11.9, E13.9, E08.2-E08.8, E09.x, E10.2 - E10.8, E11.2 - E11.8, E12.2 - E12.8, E13.2 - E13.8	
Hypertension	401.x, 402.x-405.x	
Renal Failure	03.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93, 585.x, 586.x, 588.0, V42.0, V45.1, V56.x	
Obesity	E66.x, Z68.3, Z68.4, Z68.5	