

Appendix

Table S1. ICD-9 and ICD-10 codes used to identify infective endocarditis cases and associated factors.

	ICD9	ICD10
Infective endocarditis	421.0 421.1 421.9 424.9	I33.0 I33.9 I38 I39
Previous medical history		
Diabetes mellitus	250	E10 E11 E12 E13 E14
Cardiac valve disease	424.0 (Mitral V) 424.1 (Aortic V) 424.2 (Tricuspid V) 424.3 (Pulmonary V)	I34 (Mitral V) I35 (Aortic V) I36 (Tricuspid V) I37 (Pulmonary V)
Rheumatic disease	394 (Mitral V) 395 (Aortic V) 396 (Mitral and aortic V) 397 (Tricuspid and Pulmonary valves) 398 (Other rhematic heart disease)	I05 (Mitral V) I06 (Aortic V) I08 (Mitral and aortic V) I07 (Tricuspid and Pulmonary valves)
Atrial fibrillation	427.31	I48.91
Arterial hypertension	401	I10 I11
HIV	042 V08 07953	E93727 D1286 C836 B20-B24
Chronic renal failure	585 (5850 – 5856) 586	N18 (N181-N189)
Chronic renal failure on hemodialysis	5856 V451 V4511	N185
Cancer	140-239	C00-C97
COPD	490-496	J44.9
Congenital heart disease	7460-7469	Q20.0-Q20.4, Q21.2-Q21.8, Q26.2
Use of opioid	30400-30403 (opioid use)	F11.1-F11.2 (opioid use)
Cardiac valve prosthesis	V433 99602 99671	Z952 Z953 Z954 Z959
Cardiac devices	99601 99604 99672 V5331 V4501	Z95.0 Z95810 T827

Chronic coronary artery disease	414	I25
S/P PCI	V45.82	Z95.5
S/P CABG	V45.81	Z95.1
Chronic hepatic disease	571	K70 K74
Microorganisms		
Staphylococcus	0411 04111 04112 04119 0381 03810 03811 03812 03819	A41.0 A41.1 A41.2 A49.0 A4101 A4102 Z22321 Z22322 B95.6 B95.7 B95.8
Streptococcus	041.0 0380 0382	A40.0, A40.1, A 40.2, A40.3, A40.8, A40.9 A49.1 B95.0, B951, B953, B954, B955 Z2233
Enterococcus	041.04	A41.81 B952
Gram negative	03840 04180 04185 03841 03842 03843 03844 03849 0413 0414 0415 0416 0417	A41.5 A4150 A4151 A4152 A4153 A4159 B962 B963 B964 B965
Anaerobes	48281 04184 0383 04182 04183	A41.4
Fungus	11281 1160	B37.6 B40
Brucella	023	A23
Complications		
Acute Myocardial Infarct	410	I21
Heart failure	4280	I50.0

	4281 4289	I50.1 I50.9
Ischemic stroke	433 434	I63
Transient ischemic accident	435 4359	G459
Hemorrhagic stroke	430 431	I60 I61 I62
Non specified stroke	436 437	I64
Systemic embolism	449	I74.0-I74.9
Splenic abscess	28959	D73.3
Central nervous system abscess/meningitis	320 3200 3201 3203 32081 32082 32089 3209 11283 1142 11501 11511 3240 3241 3249	G00X G01X G02X G03X G060
Acute renal failure	584 (5845-5849)	N17
Sepsis	99591 99592 78552	A40 A41.0-A41.4 A41.8 R6521
Cardiac surgery	350.x – Closed valvotomy 351.x – Repair 352.x - Replacement	Replacement: 02RF 02RG 02RH 02RJ4 Repair: 02QF 02QG 02QH 02QJ