

Supplementary Table 1 International classification of diseases

Comorbidities	ICD-9 CM/CCS/PR codes
Endocarditis	4210, 4211, 4219
Atrial Fibrillation	427.31
Tobacco use disorder	305.1
Valvular heart disease	093.2, 394-397, 424.0-424. 3, 746.3-746.6, V42.2, V43.3
Hypothyroidism	244.9
Chronic kidney disease	585.1-585.5
Obesity	278.0-278.03
Hypertension	401-405
Congestive heart failure	428-428.9
Chronic lung disease	490-496, 500-505, 506.4
Diabetes uncomplicated	250.00-250.03, 250.7
Diabetes Complicated	250.4-250.6
Hyperlipidemia	272.4
Hemodialysis	39.95
Chronic liver disease	070.22, 070.23, 070.32, 070.33, 070.44, 070.54, 456.0, 456.1, 456.20, 571.0, 571.2-571.9, 572.3, 572.8, V42.7
Peripheral artery disease	440.0-440.9, 443.1, 443.9, 447.1, 557.1, 557.9, V43.4
Coronary artery disease	414.00 - 414.07
Drug abuse	305.50, 305.51, 305.52, 305.60, 305.61, 305.62, 305.70, 305.71, 305.72, 304.00, 304.01, 304.02, 304.20, 304.21, 304.22, 304.40, 304.41, 304.42, 304.70, 304.71, 304.72, 304.80, 304.81, 304.82, 304.90, 304.91, 304.92
Pulmonary hypertension	416.0, 416.8

Presence of pacemaker	V45.01
Cardiac implantable device	996.00, 996.01, 996.02, 996.04, 996.61, v43.3, v45
HIV	042, v08, 079.53
History of valve replacement	V43.3
Congenital heart disease	746.00, 746.4, 746.01, 746.02, 746.09, 746.2, 746.3, 746.4, 746.5, 746.6, 746.7, 746.81, 746.82, 746.83, 746.84, 746.1, 746.6
History of cardiac transplant	V42.1
Rheumatic heart disease	395.0, 395.1, 395.2, 395.9, 394.0, 394.1, 394.2, 394.9, 396, 396.0, 396.1, 396.2, 396.3, 396.8, 396.9, 397.0, 397.1, 397.9, 398.0, 398.9, 398.90, 398.91, 398.99
Pacemaker removal	37.89
Pacemaker implantation	37.80, 37.81, 37.82 and 37.83
Surgical valve replacement	35.20, 35.21, 35.22, 35.23, 35.24, 35.25, 35.26, 35.27 and 35.28
Cardiac ultrasound	88.72
Infective endocarditis	421.0, 421.1, 421.9
Organism	
Staphylococcus aureus	038.11, 038.12, 041.11 and 041.12
Other staphylococcus	038.10, 038.19, 041.1, 041.10 and 041.19
Viridans group streptococci	038.0, 041.00 and 041.09
Enterococci	041.04
Pneumococcus	038.2
group A streptococci	041.01

group b streptococci	041.02
group c streptococci	041.03
group G streptococci	041.05
Gram negative bacteremia	038.4, 041.3, 041.4, 041.5, 041.6, 041.7 and 041.85
Anaerobes	038.3, 041.82, 041.83 and 041.84
Fungemia	115.4, 116.0 and 112.81

Outcomes

In-hospital hospitality

Stroke	430-438.9
Septic shock	785.52
Cardiogenic shock	785.51
Acute heart failure	428.21, 482.23, 428.31 and 428.33
Atrioventricular block	426.0, 426.12, 427.81

ICD-9-CM: International Classification of Diseases 9th revision, Clinical Modification; CCS: The Canadian Cancer Society; HIV: Human immunodeficiency virus.

Supplementary Table 2 Logistic Regression Analysis for Predictors of in hospital mortality among patients with native valve infective endocarditis without diabetes mellitus

	95% CI			<i>P</i> Value
	OR	Lower	Upper	
Age (years)				
18 - 65	REF	REF	REF	REF
> 65	1.61	1.55	1.68	< 0.001
Hypertension	0.54	0.51	0.57	< 0.0001
Hypothyroidism	0.77	0.69	0.85	< 0.0001
Tobacco abuse	0.62	0.57	0.68	< 0.0001
Chronic kidney disease	1.51	1.03	1.28	0.01
Obesity	1.21	1.04	1.41	0.01
Hyperlipidemia	0.68	0.63	0.74	< 0.0001
Surgical valve replacement	0.88	0.81	0.96	0.004
Chronic liver disease	1.31	1.19	1.43	0.001
Staphylococcus aureus	1.23	1.17	1.30	< 0.0001
Pneumococcus	1.56	1.15	2.09	< 0.0001
Hemodialysis	2.70	2.54	2.87	< 0.0001

CI: Confidence interval; OR: Odds ratio; REF: Reference.