

Appendix S1. ICD Diagnosis Codes for Comorbidities

Comorbidity	ICD-9-CM Code (As defined by Bateman et al (6))	ICD-10-CA Code
Alcohol Abuse	291, 303, 305.0	F10
Asthma	493	J44, J45
Cardiac Valvular Disease	394-397, 424	I05-I09, I34-I39
Chronic Congestive Heart Failure	428.22, 428.23, 428.32, 428.33, 428.42, 428.43	I50.0
Chronic Ischemic Heart Disease	412-414	I20, I25
Chronic Renal Disease	581-583, 585, 587, 588, 646.2	N02.2, N03-N05, N08, N17.1, N17.2, N18, N25, O26.8
Congenital Heart Disease	745.0-747.4, 648.5	Q20-Q26, O99.4
Drug Abuse	304, 305.2-305.9, 648.3	F11-F16, F18, F19
Gestational Hypertension	642.3 (without pre-eclampsia/eclampsia or pre-existing hypertension)	O13, O16 (without pre-eclampsia/eclampsia or pre-existing hypertension)
Human Immunodeficiency Virus	042, V08	B20, B24, O98.7, Z21
Mild/Unspecified Pre-Eclampsia	642.4, 642.7 (without severe pre-eclampsia/eclampsia)	O11, O14 (without severe pre-eclampsia/eclampsia)
Multiple Gestation	651, V27.2-V27.8	O30, O31, Z37.2-Z37.7, Z37.90
Placenta Previa	641.0, 641.1	O44
Pre-Existing Diabetes Mellitus	250, 648.0	E10, E11, O24.5-O24.7
Pre-Existing Hypertension	401-405, 642.0-642.2, 642.7	I10-I13, I15, O10, O11
Previous Cesarean Delivery	654.2	O34.20
Pulmonary Hypertension	416.0, 416.8, 416.9	I27.0, I27.2, I27.8, I27.9
Severe Pre-Eclampsia	642.5, 646.6	O14, O15
Sickle Cell Disease	282.4, 282.6	D56, D57
Systemic Lupus Erythematosus	710.0	M32