

Supplemental Digital Content 2

Definition of covariates based on the *International Classification of Diseases, 9th revision, Clinical Modification* (ICD-9 CM)

ICD 9 diagnosis or procedure code	
Method/Mode of delivery	
Cesarean delivery	74.0-74.2, 74.4, 74.9
Induction of labor	73.1x, 73.4x
Medical/obstetrical conditions	
Pre-existing hypertension	401.x-405.x, 642.0x-642.2x, 642.7x
Gestational hypertension	642.3x
Preeclampsia/Eclampsia	642.7x, 642.4x, 642.5x, 642.6x

Pre-existing diabetes	250.x, 648.0x
Gestational diabetes	648.8x
Preterm delivery	644.2x
Obesity	278.00, 278.01, 649.1x ,V85.3, V85.4
Polyhydramnios	657.xx
Abnormal placentation (including placenta previa)	666.0x, 667.0x, 667.1x, 641.0x, 641.1x
Placental abruption	641.2x
Previous cesarean delivery	654.2x
Stillbirth	V27.1, V27.3, V27.4, V27.6, V27.7, 656.4x
Multiple gestation	V27.2–V27.7, 651.x

Chorioamnionitis

658.4x
