Appendix 2. Diagnostic Codes Used to Define Maternal Comorbidities

	ICD-9-CM Definition
Pulmonary hypertension	416.0x, 416.8x, 416.9x
Placenta previa	641.0x, 641.1x
Sickle cell disease	282.4x, 282.6x
Gestational hypertension	642.3x (without preeclampsia/eclampsia or pre-existing hypertension)
Mild preeclampsia or unspecified preeclampsia	642.4x, 642.7x (without severe preeclampsia/eclampsia)
Severe preeclampsia/eclampsia	642.5x, 642.6x
Chronic renal disease	581.x-583.x, 585.x, 587.x, 588.x, 646.2x
Preexisting hypertension	401.x-405.x, 642.0x-642.2x, 642.7x
Chronic ischemic heart disease	412.x-414.x
Congenital heart disease	745.0x-747.4x, 648.5x
Systemic lupus erythematosus	710.0x
Human immunodeficiency virus	042.x, V08.x
Multiple gestation	V27.2-V27.8, 651.x
Drug abuse	304.x, 305.2x-305.9x, 648.3x
Alcohol abuse	291.xx, 303.xx, 305.0x
Tobacco use	305.1.x, 649.0x
Cardiac valvular disease	394.x-397.x, 424.x
Chronic congestive heart failure	428.22, 428.23, 428.32, 428.33, 428.42, 428.43
Asthma	493.x
Preexisting diabetes mellitus	250.x, 648.0x
Gestational diabetes mellitus	648.8x (without pre-existing diabetes)
Obesity	278.0x, 649.1x ,V85.3, V85.4
Cystic fibrosis	277.0x
Previous cesarean delivery	654.2x

ICD-9-CM, International Classification of Diseases, 9th Revision, Clinical Modification.

Bateman BT, Mhyre JM, Hernandez-Diaz S, Huybrechts KF, Fischer MA, Creanga AA et al. Development of a comorbidity index for use in obstetric patients. Obstet Gynecol 2013;122.

The authors provided this information as a supplement to their article.

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