

**Supplemental Digital Content 2. ICD-10 CM codes and birth certificate data used for classification of patient-level factors.**

<b>Variables</b>	<b>Data Source (Birth Certificate / Maternal Discharge Data [ICD-10 codes])</b>	<b>Model</b>
<b><i>Sociodemographic Variables</i></b>		
Maternal Age	Birth Certificate	Model 2
Insurance	Birth Certificate	Model 2
Education	Birth Certificate	Model 2
Race/Ethnicity	Birth Certificate	Model 2
BMI at the time of delivery	Birth Certificate	Model 2
Month prenatal care commenced	Birth Certificate	Model 2
Year of birth	Birth Certificate	Model 2
<b><i>Pre-existing Medical, Obstetric, and Peripartum Variables</i></b>		
Prior Cesarean section	Birth Certificate or ICD-10 (O34.21)	Model 3
Gestational age at delivery	Birth Certificate	Model 3
Pre-pregnancy or gestational diabetes	Birth Certificate) or ICD-10 (E08-E11, E13, O24.0, O24.1, O24.3, O24.8, O24.9, Z79.4, O24.4)	Model 3
Pre-pregnancy hypertension	Birth Certificate or ICD-10 (O10; O11, I10)	Model 3
Gestational hypertension, preeclampsia, eclampsia	Birth Certificate or ICD-10 (O14.1; O14.2; O11; O13; O14.0; O14.9) or Birth Certificate (Code 02) or ICD-10 (O15)	Model 3
Dystocia or abnormal labor	ICD-10: O62.0; O62.1; O62.2; O62.4; O62.8; O62.9; O64.x; O65.x.	Model 3
Induction of Labor	Birth Certificate or ICD-10 (3E033VJ, 3E0P7GC, 0U7C7ZZ, 10907ZC)	Model 3
Premature Rupture of Membranes	ICD-10 (O42)	Model 3
Preterm Labor	ICD-10 (O60)	Model 3
Prolonged Labor	Birth Certificate or ICD-10 (O63)	Model 3
Fetal presentation	Birth Certificate	Model 3
Birth Attendant	Birth Certificate	Model 3
Prior Live Births	Birth Certificate	Model 3
Plurality	Birth Certificate or ICD-10 (O30, O31, Z37.2, Z37.7)	Model 3
<b><i>Hospital Variables</i></b>		
Mean annualized hospital volume (Quartiles)	OSHPD Financial Dataset	Model 4
Type of Ownership	OSHPD Financial Dataset	Model 4
Teaching Hospital	OSHPD Financial Dataset	Model 4

N/A = not applicable

