

**eTable 1. Analytic Cohort with Exclusion**

	Total		Homeless		Non-homeless	
	N	%	N	%	N	%
<b>Delivery hospitalizations (2009-2014)</b>	1,402,597					
Records were excluded in which the zip code variable did not include either an "H", which indicates homelessness, or a numeric NY zip code, which was defined as non-homeless	25,488	1.82%	N/A		N/A	
Discharge from the delivery hospitalization occurred in November or December	259,727	18.52%	20,337	19.64%	239,390	18.43%
Records of cases who died during delivery hospitalizations	65	0.00%	≤10 cases <sup>a</sup>	0.01%	≥10 cases <sup>b</sup>	0.00%
Records without personal identifiers	747	0.05%	175	0.17%	572	0.04%
Records without all of the following data at delivery hospitalization, 1] race/ethnicity, 2] insurance type during delivery, 3] age, 4] length of stay (delivery-LOS) 5] discharge month, or 6] survival status of mother for delivery	615	0.04%	19	0.02%	596	0.05%
Second delivery hospitalizations, since only the first delivery hospitalization is included	6,170	0.44%	119	0.11%	6,051	0.47%
<b>Final analytic cohort</b>	1,109,785	79.12%	82,820	80%	1,026,965	79.05%

<sup>a</sup> Cases ≤10 have been masked to protect patient privacy<sup>b</sup> Case number has been masked to prevent obtaining counts in neighboring cells

**eTable 2. Maternal Comorbidity Index<sup>a,b</sup>**

Description	ICD-9-CM code	Weights
Severe preeclampsia/eclampsia	642.5x, 642.6x	5
Chronic congestive heart failure	428.22, 428.23, 428.32, 428.33, 428.42, 428.43	5
Congenital heart disease	745.0x–747.4x, 648.5x	4
Pulmonary hypertension	416.0x, 416.8x, 416.9x	4
Chronic ischemic heart disease	412.x–414.x	3
Sickle cell disease	282.4x, 282.6x	3
Multiple gestation	V27.2–V27.8, 651.x	2
Cardiac valvular disease	394.x–397.x, 424.x	2
Systemic lupus erythematosus	710.0x	2
Human immunodeficiency virus	042.x, V08.x	2
Mild or unspecified preeclampsia	642.4x, 642.7x (without severe preeclampsia/eclampsia)	2
Drug abuse	304.x, 305.2x–305.9x, 648.3x	2
Placenta previa	641.0x, 641.1x	2
Chronic renal disease	581.x–583.x, 585.x, 587.x, 588.x, 646.2x	1
Pre-existing hypertension	401.x–405.x, 642.0x–642.2x, 642.7x	1
Previous cesarean delivery	654.2x	1
Gestational hypertension	642.3x (without preeclampsia/eclampsia or pre-existing hypertension)	1
Alcohol abuse	291.xx, 303.xx, 305.0x	1
Asthma	493.x	1
Pre-existing diabetes mellitus	250.x, 648.0x	1
Maternal age, years		
>44		3
40–44		2
35–39		1

<sup>a</sup> Bateman BT, Mhyre JM, Hernandez-Diaz S, et al. Development of a comorbidity index for use in obstetric patients. *Obstet Gynecol.* 2013;122(5):957-965

<sup>b</sup> Maternal comorbidity index score was calculated by applying weights to each identified condition and summing the weighted values for each individual, resulting in one maternal comorbidity index score used as an adjustment variable in the regression models

**eTable 3. Adjustment Variables**

Age	Categorized into quintiles (<23 years, 23–27 years, 28–30 years, 31–34 years, and ≥35 years)
Race/Ethnicity	Race/ethnicity was categorized as non-Hispanic white, non-Hispanic Black or African American, Hispanic, and other
Insurance type	Insurance type was for the delivery hospitalization, and was categorized as <i>public</i> , <i>private</i> , <i>self-pay</i> , and <i>other form of insurance</i> . The category <i>self-pay</i> is understood to include those without insurance and is used as a proxy for uninsured patients.
Delivery length of stay (LOS)	Categorized into quintiles (≤1 day, 2 days, 3 days, 4 days, and ≥5 days)
Maternal comorbidities	Maternal Comorbidity Index created from the comorbidity listed in eTable 2
Other pregnancy complications	Hemorrhage; premature rupture of membranes; preterm labor; postpartum infection; uterine rupture; thrombotic event early onset of delivery
Neonatal complications	Fetal distress; fetal growth restriction; stillbirth
Cesarean delivery	Binary variable to indicate patient delivered via cesarean procedure
Year	Categorized into quintiles (2009, 2010, 2011, 2012, 2013, or 2014)
Birth hospital ID	Included as a random effect

**eTable 4. Multicollinearity Index**

	1	2	3	4	5	6	7	8	9
Cesarean Delivery	1.00	0.34	-0.01	0.10	-0.02	0.07	0.07	0.07	-0.02
Maternal Comorbidity		1.00	0.02	0.07	-0.02	0.19	0.19	0.02	0.01
Neonatal Complication			1.00	0.03	0.00	0.04	0.04	0.01	0.00
Hemorrhage				1.00	0.00	0.07	0.07	0.04	0.01
Premature Rupture of Membranes					1.00	0.13	0.13	0.00	0.00
Preterm Labor						1.00	1.00	0.02	0.00
Early Onset of Delivery							1.00	0.02	0.00
Postpartum Infection								1.00	0.01
Other Complication (Uterine Rupture or Thrombotic Event)									1.00

**eTable 5. Results from the Likelihood Ratio Test to Examine the Association between Homelessness and Differences in Outcomes**

Outcome	LR statistic <sup>a</sup>	DF <sup>b</sup>	p-value
Rehospitalization	4	1	.04
ED revisit	21	1	<0.01

<sup>a</sup> Likelihood ratio statistic<sup>b</sup> Degree of freedom

**eFigure 1. Days Between Discharge from Delivery Hospitalization and Readmission among Homeless****eFigure 2. Days Between Discharge from Delivery Hospitalization and Readmission among Non-homeless****eFigure 3. Days Between Discharge from Delivery Hospitalization and ED Visit among Homeless****eFigure 4. Days Between Discharge from Delivery Hospitalization and ED Visit among Non-homeless****eFigure 5. Risk-Adjusted Rate<sup>a</sup> of Six-Week Postpartum Readmissions by Income**

<sup>a</sup> Rates were adjusted by age, race/ethnicity, insurance type during delivery, delivery length of stay, maternal comorbidity index score, other pregnancy complications, neonatal complications, delivery characteristics, i.e., cesarean delivery, year fixed effects, and a birth hospital random effect

<sup>b</sup> Quartiles range from the lowest median household income zip code area (Quartile 1) to the highest median household income zip code area (Quartile 4)

Caption:

**Homeless:** Point Estimate: 1.4% (95%CI: 1.3%–1.7%)

**Income Quartile 1 (Lowest):** Point Estimate: 1.7% (95%CI: 1.6%–1.8%)

**Income Quartile 2:** Point Estimate: 1.6% (95%CI: 1.5%–1.7%)

**Income Quartile 3:** Point Estimate: 1.7% (95%CI: 1.6%–1.8%)

**Income Quartile 4 (Highest):** Point Estimate: 1.5% (95%CI: 1.4%–1.6%)

**eFigure 6. Risk-Adjusted Rate<sup>a</sup> of Six-Week Postpartum ED Visits by Income**

<sup>a</sup> Rates were adjusted by age, race/ethnicity, insurance type during delivery, delivery length of stay, maternal comorbidity index score, other pregnancy complications, neonatal complications, delivery characteristics, i.e., cesarean delivery, year fixed effects, and a birth hospital random effect

<sup>b</sup> Quartiles range from the lowest median household income zip code area (Quartile 1) to the highest median household income zip code area (Quartile 4)

Caption:

**Homeless:** Point Estimate: 8.4% (95%CI: 7.7%–9.1%)

**Income Quartile 1 (Lowest):** Point Estimate: 10.3% (95%CI: 9.8%–10.9%)

**Income Quartile 2:** Point Estimate: 9.8% (95%CI: 9.2%–10.4%)

**Income Quartile 3:** Point Estimate: 9.2% (95%CI: 8.7%–9.8%)

**Income Quartile 4 (Highest):** Point Estimate: 8.6% (95%CI: 8.1%–9.1%)