

Appendix 5. Adjusted Odds Ratios for Severe Sepsis by Maternal Characteristics and Comorbidities

Independent associations for severe sepsis	aOR (95% CI)
Demographics	
Age	
≤20 y	0.8 (0.6–1.0)
21–34 y	Reference
35+ y	1.5 (1.2–1.7)
Race	
Caucasian	Reference
African American	2.0 (1.6–2.4)
Hispanic	1.0 (0.8–1.3)
Other	1.2 (0.9–1.6)
Missing	1.1 (0.9–1.3)
Insurance type	
Private	Reference
Medicaid	1.6 (1.4–1.9)
Self-pay	1.3 (0.9–1.9)
Other	1.4 (0.9–2.2)
Missing	1.7 (0.8–3.6)
Year	
1998–2000	Reference
2001–2003	1.2 (0.9–1.5)
2004–2006	1.5 (1.2–1.8)
2007–2008	2.0 (1.6–2.5)
Delivery volume	
<1000 per year	Reference
1001–2500	1.8 (1.4–2.4)
2501–5000	2.0 (1.6–2.6)
5001–7500	2.1 (1.5–2.9)
>7500	1.9 (1.2–3.0)
Obstetric factors	
Rescue cerclage	4.3 (1.3–14.4)
Prophylactic cerclage	2.2 (1.2–4.1)
PPROM	1.7 (1.2–2.3)
Retained products of conception	3.4 (2.1–5.6)
Multiple gestation	1.2 (0.8–1.7)
Postpartum hemorrhage	3.4 (2.6–4.4)
Stillbirth	3.8 (2.7–5.5)
Preterm delivery	2.7 (2.2–3.2)
Delivery mode	
Vaginal delivery	Reference
Cesarean delivery during labor	1.3 (1.1–1.6)
Elective cesarean delivery	0.7 (0.6–0.9)
Comorbidities	
Congestive heart failure	106 (74.0–152.5)
Chronic liver disease	44.0 (16.5–117.4)
Chronic renal disease	25.6 (8.3–79.7)
Systemic lupus erythematosus	8.1 (4.5–14.5)
HIV	2.8 (1.1–6.9)
Diabetes mellitus	1.1 (0.8–1.4)
Obesity	0.8 (0.4–1.3)

aOR = adjusted odds ratio; CI = confidence interval; PPROM = preterm premature rupture of membranes; HIV = human immunodeficiency virus.