

#### Appendix 4. ICD-9-CM Codes and Location of Nationwide Inpatient Sample (NIS) Variable to Identify Associations for Severe Sepsis

	ICD-9-CM diagnosis codes or location in NIS data
Primary analysis	
Comorbidities	
Diabetes mellitus	648.8x, 250, 249
Congestive heart failure	428.22, 428.32, 428.42, 428.23, 428.33, 428.43, 428.0
Chronic liver disease	572, 571, 571.9, 571.5, 571.8
Chronic renal disease	585.9, 403.x, V45.11
Human immunodeficiency virus	042, V08
Systemic lupus erythematosus	710.x
Obesity (body mass index >30 kg/m <sup>2</sup> )	649.1x, 278.01, 278.0, 278.00
Demographics	
Age	Present in NIS data
Race	Present in NIS data
Type of insurance	Present in NIS data
Obstetric factors	
Retained products of conception	666.xx, 667.0x, 667.1x
Preterm premature rupture of membranes	658.2x, 658.3x
Multiple gestation	651.0x–651.9x
Cerclage placed during hospitalization	67.5, 67.59, 67.51, 69.96
Cerclage not placed during hospitalization	69.96
Institutional factor	
Delivery volume	Present in NIS data
Secondary analysis	
Elective cesarean delivery—not in labor	669.7x, 763.4, 74, 74.0, 74.1, 74.4, 74.9, 72.5x, 72.6, 652.2x, 669.6x, 654.2x, 651.0x to 651.9x (all were checked to make sure labor codes were not present)
Cesarean delivery—during labor	Same codes as elective cesarean delivery but concurrently had codes indicating labor
Vaginal delivery	650.x, 72.x, 73.22, 73.59, 73.6
Stillbirth	V27.1, V27.3, V27.4, V27.6, V27.7, 656.4
Postpartum hemorrhage	666.0x–666.2x
Preterm delivery <37 weeks	644.2x

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