**Supplementary Table 1.** International Classification of Diseases, Ninth Edition, Clinical Modification (ICD-9-CM) codes for identifying pregnancy-related hospitalization (Where only 3 or 4-digit codes are listed, all associated subcodes are included.)

Category ICD-9-CM codes

Pregnancy with abortive outcome 630-639.9

Complications mainly related to pregnancy 640-648.9

Normal delivery and other indications for

care in pregnancy labor and delivery 650-659.9

Complications occurring during mainly the

course of labor and delivery 660-666.9

Complications of the puerperium 670-676.9

**Supplementary Table 2.** International Classification of Diseases, Ninth Edition, Clinical Modification (ICD-9-CM) codes for identifying maternal complications (where only 3 or 4-digit codes are listed, all associated subcodes are included).

|  |  |
| --- | --- |
| **Category** | **ICD-9-CM codes** |
| Hemorrhage | 634.1, 635.1, 636.1, 637.1, 638.1, 639.1, 640, 641.3, 641.1, 641.8, 641.9, 666 |
| Embolism | 415.1, 634.6, 635.6, 636.6, 637.6, 638.6, 639.6, 673 |
| Preeclampsia/eclampsia | 642.3-642.7 |
| Cardiovascular conditions | 390-398.90, 398.99, 401-402.00, 402.10, 402.90, 403, 404.00, 404.02, 404.00, 404.02, 404.10, 404.12, 404.90, 404.92, 405, 410-414, 416.0, 416.8, 416.9, 422, 424, 429, 642.0-642.2, 642.9, 648.5 745.0-747.4 |
| Cardiomyopathy | 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 425, 428, 674.5 |
| Cerebrovascular accident | 325, 342, 344, 346.6, 430-434, 436-438, 674.0, 997.02 |
| Sepsis | 003.1, 020.2, 022.3, 036.2, 036.3, 038, 054.5, 098.89, 112.5, 995.91, 995.92, 785.52  |
| Anesthesia complications | 668.0X-668.2X, 995.86 |

Blood transfusion complication 999.5-999.8

Status epilepticus 345.3

Status asthmaticus 493.01, 493.11, 493.21, 493.91

Aspiration pneumonia 507.0, 668.0, 997.3

Trauma 800-959

Hyperemesis 643

**Supplementary Table 3.** International Classification of Diseases, Ninth Edition, Clinical Modification codes for classification of organ dysfunction (Where only 3 or 4-digit codes are listed, all associated subcodes are included.)

Category ICD-9-CM codes

Respiratory

Acute respiratory failure 518.81

Other pulmonary insufficiency, not

elsewhere specified (includes

acute respiratory distress, acute

respiratory insufficiency, acute

respiratory distress syndrome) 518.82

Pulmonary insufficiency following trauma,

or surgery 518.5

Acute and chronic respiratory failure 518.84

Respiratory abnormalities, not otherwise

specified 786.09

 Respiratory arrest 799.1

Invasive mechanical ventilation 96.7-96.72

Cardiovascular

 Hypotension, not otherwise specified 458.8, 458.9

Shock following abortion, or ectopic or

molar pregnancy 634.5, 635.5, 636.5, 637.5, 638.5, 639.5

 Shock during or following labor and delivery 669.1

Shock, not otherwise specified 785.50

Cardiogenic shock 785.51

Other shock without mention of trauma 785.59

Renal

 Acute renal failure 584

Hepatic

 Acute necrosis of liver 570

 Hepatic encephalopathy 572.2

 Hepatic infarction 573.4

Hematologic

 Defibrination syndrome 286.6

 Acquired coagulation factor deficiency 286.7

 Coagulopathy (Other unspecified

coagulation defects) 286.9

 Thrombocytopenia (secondary or

unspecified) 287.4, 287.5

Metabolic

 Acidosis (metabolic or lactic) 276.2

Neurologic

 Acute and subacute delirium 293.0, 293.1

 Anoxic brain damage 348.1

 Encephalopathy, not elsewhere classified 348.3

 Coma 780.01

 Other alteration of consciousness 780.09