**Supplemental table 3. Description of disagreements between primary physician reviewers.**

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| --- | --- | --- | --- | --- | --- |
| **Category** | **Institution** | **Code** | **Definition** | **# Disagreements** | **Category** |
| Pulmonary edema | MGH | 514 | Extravascular accumulation of fluid in the pulmonary tissue and air spaces | 1 | II |
| Sepsis | MGH | 38.19 | Other staphylococcal septicemia | 1 | I |
|   | MGH | 38.43 | Septicemia due to pseudomonas | 1 | I |
| Disorders of fluid, electrolyte and acid–base balance | MGH | 276.51 | Dehydration | 2 | II |
| UMHS | 276.52 | Hypovolemia | 3 | II |
| MGH | 276.8 | Hypopotassemia | 1 | II |
| Acute respiratory distress | MGH | 518.5 | Pulmonary insufficiency following trauma and surgery | 1 | II |
| MGH | 518 | Other diseases of lung | 2 | II |
| Ventilation | UMHS | 96.71 | Continuous invasive mechanical ventilation | 1 | I |
| Other complications of obstetric surgery | UMHS | 666.32 | Postpartum coagulation defects, delivered, with mention of postpartum complication | 1 | I |
| MGH | 669.41 | Other complications of obstetrical surgery and procedures, delivered, with or without mention of antepartum condition | 1 | II |
| Disorders of coagulation | MGH | 666.32 | Postpartum coagulation defects, delivered, with mention of postpartum complication | 1 | I |
| MGH | 286.6 | Disseminated intravascular coagulation [defibrination syndrome] | 1 | II |
| MGH | 286.9 | Other and unspecified coagulation defects | 3 | II |
| Acute renal failure | MGH | 669.32 | Acute kidney failure following labor and delivery, delivered, with mention of postpartum complication | 1 | I |
| Neurotrauma | UMHS | 805.6 | Closed fracture of sacrum and coccyx without mention of spinal cord injury | 1 | I |
| Acute heart failure (includes arrest and fibrillation) | MGH | 997.1 | Cardiac conditions not specified elsewhere, but include conduction block, ischemia and cardiac procedure complication. | 1 | I |
| UMHS | 997.1 | Cardiac conditions not specified elsewhere, but include conduction block, ischemia and cardiac procedure complication. | 1 | II |
| Puerperal cerebrovascular disorders | MGH | 437.3 | Cerebral aneurysm, nonruptured | 2 | II |
| MGH | 437.5 | Moyamoya disease | 1 | II |
| MGH | 671.52 | Other phlebitis and thrombosis complicating pregnancy and the puerperium, delivered, with mention of postpartum complication | 1 | II |
| UMHS | 671.52 | Other phlebitis and thrombosis complicating pregnancy and the puerperium, delivered, with mention of postpartum complication | 1 | II |
| Eclampsia | MGH | 642.61 | Eclampsia (seizures), delivered, with or without mention of antepartum condition | 7 | I |
| MGH | 642.61 | Eclampsia (seizures), delivered, with or without mention of antepartum condition | 2 | II |
| Severe anesthesia complications | UMHS | 668.02 | Pulmonary complications of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication | 1 | II |
| MGH | 668.11 | Cardiac complications of anesthesia or other sedation in labor and delivery, delivered, with or without mention of antepartum condition | 1 | II |
| MGH | 668.21 | Central nervous system complications of anesthesia or other sedation in labor and delivery, delivered, with or without mention of antepartum condition | 1 | II |
| MGH | 668.22 | Central nervous system complications of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication | 1 | II |
|   |   |   | **Total** | **42** |   |

Supplemental table 3: In total, 42 disagreements were identified between the two primary physician reviewers. Disagreements are listed by maternal morbidity category, institution and associated ICD-9-CM code. Disagreements are described by two categories: I = data overlooked (15); II = data misinterpreted (27). Code = ICD-9-CM code; MGH = Massachusetts General Hospital; UMHS = University of Michigan Health System.