**Appendix 1: ICD-9 Codes Used for Exclusion of Extreme Severity or High Complexity Conditions**

|  |  |
| --- | --- |
| Complicated head injury | 800.1-800.9 skull vault fracture with intracranial injury  801 skull base fracture  803.1-803.9 other skull fracture with intracranial injury  850.12, 850.2, 850.3 850.4 concussion with >30 min LOC  851-853 intracranial hemorrhage |
| Meningitis/Encephalitis | 320-324 |
| Renal failure | 584 acute renal failure  585 chronic renal failure  v45.1 dialysis |
| Extremis | 518.8x respiratory failure  786.03 apnea  799.1 respiratory arrest  785.5, 958.4 shock  771.81, 995.9x SIRS/sepsis |
| Social circumstances | 995.5 child maltreatment syndrome  E967.x child abuse  E950.x suicide and self-inflicted injury by ingestion |

**Appendix 2: ICD-9 Codes Used for Exclusion of Visits with Comorbid Conditions**

|  |  |
| --- | --- |
| **Condition for exclusion** | **ICD-9 Codes** |
| Congenital Heart Disease | 745-747 cardiac defects  v15.1 major cardiac surgery |
| Cystic Fibrosis | 277.xx |
| Hydrocephalus/shunt | 330-331 Cerebral degeneration/hydrocephalus  742.3 congenital hydrocephalus  v45.2 Ventricular shunt status |
| Metabolic Disorders | 270-273 |
| Neoplasm and Neutropenia | 140-239 neoplasms  284.1 pancytopenia  288.0 neutropenia  279 disorder of immune mechanisms |
| Organ transplant | V42.x organ or tissue replaced by transplant  996.8x complications of transplanted organ |
| Pregnancy  **(keep w/ dehydration)** | 630-679 |
| Sickle Cell Disease | 282.6 |
| Tracheostomy/Ventilator | v.44.0, 519.xx tracheostomy status/complications  v46.1x dependence on ventilator  v46.2 dependence on supplemental oxygen |

**Appendix 3. Diagnosis Grouping System Subgroups Used for Exclusion of Visits with Comorbid Conditions**

|  |  |
| --- | --- |
| **Diagnosis Grouping System Subgroup** | **Subgroup Number** |
| Child Abuse | 2 |
| Devices and Complications of the Circulatory System | 3.b |
| Devices and Complications of the GI System | 8.c |
| Pregnancy | 9.c |
| Sickle Cell Disease | 10.a |
| Devices and Complications of the Musculoskeletal System | 11.b |
| Neoplastic Disease (not benign neoplasm) | 12 |
| Devices and Complications of the Neurologic System | 13.b |
| Devices and Complications of the Respiratory System | 15.c |
| Devices and Complications of the Urologic System | 20.a |
| Other Devices and Complications | 21.b |

\*ICD-9 code grouping SAS and Excel Programs available at: <http://www.pecarn.org/tools/index.html>