Supplementary Table 4: Alternative Identification Algorithm

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| --- | --- | --- |
|  | Patients Excluded | Patients Remaining |
| Inclusion |  |  |
|  ICD-9=359.1 |  | 3430 |
| Exclusions |  |  |
|  Female | 576 | 2854 |
|  Changed to another 359.x code | 266 | 2588 |
|  Mortality age<5 | 12 | 2576 |
|  Ventilation <5 years of age (tracheostomy or CPAP/BIPAPa) | 29 | 2547 |
|  AICDb <10 years of age | 1 | 2546 |
|  Arrhythmia <5 years of age | 17 | 2529 |
|  Cardiovascular disease <5 years of age | 6 | 2523 |
|  Age <1 year at time of only encounter | 25 | 2498 |
|  G-tubec | 424 | 2074 |
|  Ophthalmoplegia | 2 | 2072 |
|  Pigmentary retinopathy | 0 | 2072 |
|  Myoneural disorders (358.x) | 66 | 2006 |
|  Autonomic disorder (337.x) | 3 | 2003 |
|  Extrapyramidal disease and movement disorders(333.x) | 8 | 1995 |
|  Cerebral degenerations (330.x) | 1 | 1994 |
|  Spinocerebellar disease (334.x) | 3 | 1991 |
|  Anterior horn cell disease (335.x) | 127 | 1864 |
|  Hereditary and idiopathic peripheral neuropathy (356.x) | 11 | 1853 |
|  Congenital anomalies of nervous system (742.8) | 0 | 1853 |
|  Gout (274) | 0 | 1853 |

aContinuous positive airway pressure (CPAP), bilevel positive airway pressure (BiPAP)

bAutomatic implantable cardioverter-defibrillator (AICD)

cgastrostomy tube (G-tube)