

**Supplementary Table 3.** 1-year mortality according to diagnosis using ICD-10 codes

Main diagnosis	1-year mortality rate
Cerebrovascular disease (I6)	127107/470699 (27.0%)
Intracranial injury (S06)	37054/139403 (26.6%)
Brain cancer (C71)	8154/17812 (45.8%)
Benign neuroendocrine tumor (D3)	1770/30821 (5.7%)
Epilepsy or seizure (G40)	6301/26491 (23.8%)
Nerve, nerve root and plexus disorder (G5)	310/1996 (15.5%)
Secondary brain tumor (C79)	5387/8718 (61.8%)
Transient cerebral ischemic attack (G45)	513/5395 (9.5%)
Musculoskeletal system and connective tissue disease (M)	1736/22577 (7.7%)
Conversion (R56)	1145/6762 (16.9%)
Extrapyramidal and movement disorders (G2)	1288/3438 (37.5%)
Inflammatory disease of CNS (G0)	2171/8325 (26.1%)
Other disease	30375/103037 (29.5%)

The specific ICD-10 codes of main diagnosis at intensive care unit admission in neurology-neurosurgery patients were matched from internet (<https://www.icd10data.com/ICD10CM/Codes>). ICD-10 : International Classification of Diseases 10th revision, CNS : central nervous system