

**Supplementary Table 9.** Definition of subgroup analysis (e.g., spontaneous and traumatic ICH)<sup>17</sup>

Total spontaneous ICH events (n=394)	
ICD-9 codes (n=74)	ICD-10 codes (n=320)
430 subarachnoid hemorrhage (n=2)	I60 subarachnoid hemorrhage (n=28)
431 intracerebral hemorrhage (n=47)	I61 intracerebral hemorrhage, unspecified (n=193)
432 extradural hemorrhage (n=25)	I62 extradural hemorrhage (n=99)
Total traumatic ICH events (n=309)	
ICD-9 codes (n=41)	ICD-10 codes (n=268)
852.X (n=29) Subarachnoid hemorrhage following injury without open intracranial wound±consciousness Subarachnoid hemorrhage following injury without open intracranial wound±consciousness Subarachnoid hemorrhage following injury without open intracranial wound±consciousness	S06.3; traumatic intracranial hemorrhage (n=39)
853.X (n=12)	S06.4; traumatic epidural hemorrhage (n=4)
Other and unspecified intracranial hemorrhage following injury without open intracranial wound±consciousness	S06.5; traumatic subdural hemorrhage (n=156) S06.6; traumatic subarachnoid hemorrhage (n=69)