

## ICD codes used for TBI mortality

Injury-related deaths were identified if the underlying cause of death was one of the following ICD codes: V01-Y36, Y85-Y87, Y89, U01-U03. From this injury subset, TBI-related deaths were selected if one of the following ICD-10 codes were in any of the contributing cause of death fields.

Code(s)	Description
S01	Open wound of head
S02.0, S02.1, S02.3, S02.7-S02.9	Fracture of skull and facial bones
S04.0	Injury of optic nerve and pathways
S06	Intracranial injury
S07.0, S07.1, S07.8, S07.9	Crushing injury of head
S09.7-S09.9	Other and unspecified injuries of head
T90.1, T90.2, T90.4, T90.5, T90.8, T90.9	Sequelae of injuries of head

To identify the cause of injury, the following codes were searched for in the underlying cause of death field. These codes are consistent with the [ICD-10 external cause of injury matrix](#).

Mechanism and/or intent	ICD-10-CM codes
Motor vehicle traffic crashes	[V02-V04] (.1,.9), V09.2, [V12-V14] (.3-.9), V19 (.4-.6), [V20-V28] (.3-.9), [V29-V79] (.4-.9), V80 (.3-.5), V81.1, V82.1, [V83-V86] (.0-.3), V87 (.0-.8), V89.2
Unintentional falls	W00-W19
Unintentionally struck by/against an object	W20-W22, W50-W52
Other or unspecified unintentional injury	All the other codes in the V01-X59, Y85-Y86 ranges
Suicide	U03, X60-X84, Y87.0
Homicide	U01-U02, X85-Y09, Y87.1
Other	Y10-Y34, Y87.2, Y89.9, Y35-Y36, Y89 (.0,.1)

Adapted from Centers for Disease Control and Prevention (2021). Surveillance Report of Traumatic Brain Injury-related Hospitalizations and Deaths by Age Group, Sex, and Mechanism of Injury—United States, 2016 and 2017. Centers for Disease Control and Prevention, U.S. Department of Health and Human Services.