

Table IV. Injury Mortality Diagnosis Matrix based on ICD-10 codes used for multiple cause-of-death coding

Body region of injury		Nature of injury							
		Fracture	Dislocation	Internal organ injury	Open wound	Amputation	Blood vessel	Contusion or superficial	Crushing
Head and neck	Traumatic brain injury (TBI)	S02(.0-.1, .3, .7-.9), T90.2	...	S06, T90.5	S01, T90.1	...	...	...	S07
	Other head	S02(.2, .4-.6)	S03(.0-.3)	...	S05(.2-.7), S08.0, S09.2	S08(.1-.9)	S09.0	S00, S05(.0-.1), T90.0	...
	Neck	S12(.8-.9)	S13(.2-.3)	...	S11	S18	S15(.0, .2-.9)	S10	S17
	Head and neck, other	...	...	...	...	...	...	...	...
Spine and upper back	Spinal cord	...	...	S14(.0-.1), S24(.0-.1), S34(.0-.1, .3), T09.3, T91.3	...	...	...	...	...
	Vertebral column	S12(.0-.7), S22(.0-.1), S32(.0-.2), T08, T91.1	S13(.0-.1), S23(.0-.1), S33(.0-.2)	S14.2	...	...	S15.1	...	...
Torso	Thorax	S22(.2-.9)	S23.2	S26.0, S27(.0-.6, .8-.9), T91.4	S21	S28.1	S25	S20	S28.0
	Abdomen	...	...	S36	S31(.1,.8)	...	S35(.0-.4)	S30.1	...
	Pelvis and lower back	S32(.3-.8)	S33(.3-.4)	S37	S31(.0, .2-.5)	S38.2	S35.5	S30(.0, .2)	S38.0
	Abdomen, lower back & pelvis	T02.1	...	S39(.6-.7), T06.5, T91.5	S31.7	S38.3	S35(.7-.9)	S30(.7-.9)	S38.1
	Other trunk	T91.2	...	...	T09.1	T09.6	...	T09.0	T04.1
Extremities	Upper extremity	S42, S52, S62, T02(.2, .4), T10, T92(.1-.2)	S43(.0-.3), S53(.0-.1), S63(.0-.2)	...	S41, S51, S61, T01.2, T11.1, T92.0	S48, S58, S68, T05(.0, .2), T11.6	S45, S55, S65, T11.4	S40, S50, S60, T00.2, T11.0	S47, S57, S67, T04.2
	Hip	S72(.0-.2)	S73.0	...	S71.0	S78.0	...	S70.0	S77.0
	Other lower extremity	S72(.3-.9), S82, S92, T02(.3, .5), T12, T93(.1-.2)	S83(.0-.1), S93(.0-.1, .3)	...	S71(.1-.8), S81, S91, T01.3, T13.1, T93.0	S78(.1-.9), S88, S98, T05(.3, .5), T13.6	S75, S85, S95, T13.4	S70(.1-.9), S80, S90, T00.3, T13.0	S77(.1-.2), S87, S97, T04.3
Unclassifiable by body region	Multiple body regions	T02(.8-.9)	...	...	T01.9	T05(.8-.9)	T06.3	T00(.8-.9)	T04(.8-.9)
	System wide	...	...	...	...	...	...	...	...
Unspecified		T14.2	...	...	T14.1	...	T14.5	T14.0	...

See footnotes at end of table.

Table IV. Injury Mortality Diagnosis Matrix based on ICD–10 codes used for multiple cause-of-death coding—Con.

Body region of injury		Nature of injury							
		Burn	Effect of foreign bodies entering orifice	Other effects of external causes	Poisoning	Toxic effects	Multiple injuries	Other specified injury	Unspecified injury
Head and neck	Traumatic brain injury (TBI)	...	...	...	...	...	S09.7	S04.0, S09.8, T90(.4, .8)	S09.9, T90.9
	Other head	T26	T15–T16, T17(.0–.1), T18.0	T33.0, T34.0	...	...	...	S03(.4–.5), S04(.1–.9), S05.8, S09.1, T90.3	S05.9
	Neck	T27.0, T27.4	T17(.2–.4)	T33.1, T34.1	...	...	S19.7	S13(.5–.6), S14(.3–.6), S16, S19.8	S19.9
	Head and neck, other	T20, T28.0, T28.5, T95.0	...	T35.2	...	...	...	...	...
Spine and upper back	Spinal cord	...	...	...	...	...	...	...	...
	Vertebral column	...	...	...	...	...	...	S13.4, S23.3, S24.2, S33(.5–.7), S34(.2, .4), T09.4	...
Torso	Thorax	T28(.1, .6)	T17.5	T33.2, T34.2	...	...	S27.7, S29.7	S23(.4–.5), S24(.3–.6), S26.8, S29(.0, .8)	S26.9, S29.9
	Abdomen	...	T18(.2–.4)	...	...	...	...	...	...
	Pelvis and lower back	T28(.3, .8)	T18.5, T19	...	...	...	...	S34.5	...
	Abdomen, lower back & pelvis	...	...	T33.3, T34.3, T35.3	...	...	T03.1	S34(.6, .8), S39(.0, .8)	S39.9
	Other trunk	T21, T27(.2–.3, .6–.7), T28(.2, .7), T95.1	T17(.8–.9), T18(.1, .8–.9)	...	...	...	T09.2	T09(.5, .8)	T09.9
Extremities	Upper extremity	T22–T23, T95.2	...	T33(.4–.5), T34(.4–.5), T35.4	...	...	S49.7, S59.7, S69.7, T03.2, T11.2, T92(.3, .6)	S43(.4–.7), S44, S46, S49.8, S53(.2–.4), S54, S56, S59.8, S63(.3–.7), S64, S66, S69.8, T11(.3, .5, .8), T92(.4–.5, .8)	S49.9, S59.9, S69.9, T11.9, T92.9
	Hip	...	...	...	...	...	...	S73.1, S76.0	...
	Other lower extremity	T24–T25, T95.3	...	T33(.6–.8), T34(.6–.8), T35.5	...	...	S79.7, S89.7, S99.7, T03.3, T13.2, T93(.3, .6)	S74, S76(.1–.7), S79.8, S83(.2–.6), S84, S86, S89.8, S93(.2, .4–.6), S94, S96, S99.8, T13(.3, .5, .8), T93(.4–.5, .8)	S79.9, S83.7, S89.9, S99.9, T13.9, T93.9
Unclassifiable by body region	Multiple body regions	T27.1, T27.5, T28.9	...	T35(.0–.1, .6)	...	...	T03(.8–.9), T91.0	T06(.2, .4), T91.8	T07, T91.9, T94.0
	System wide	...	...	T66–T75	T36–T50, T96	T51–T65, T97	...	T79(.0–.9), T98.2	...
Unspecified		T28.4, T30–T32, T95(.4, .8–.9)	T98.0	T33.9, T34.9, T35.7	...	...	T14.3, T14.7	T14(.4, .6)	T14(.8–.9), T94.1, T98.1

... Category not applicable (no code in cell).

NOTES: ICD–10 is the *International Classification of Diseases, Tenth Revision*. When a set of additional digits are required for ICD codes, the additional digits are in parentheses ( ) and apply to the preceding code or preceding range of codes in brackets [ ]. The matrix excludes the following codes that are not valid in the United States: T00(.0–.1, .6), T01(.0–.1, .6, .8), T02(.0, .6–.7), T03(.0, .4), T04(.0, .4, .7), T05(.1, .4, .6), T06(.0–.1, .8), and T29. Also excluded are codes T78, T80–T88, T98.3 for adverse effects, not elsewhere classified and complications of surgical and medical, not elsewhere classified, and their sequelae.

SOURCE: Fingerhut LA, Warner M. The ICD–10 Injury Mortality Diagnosis Matrix. *Inj Prev* 12(1):24–9. 2006.