

Table VI. ICD-10 and ICD-9 comparability ratios according to mechanism of injury and intent of death

Mechanism and intent of death	ICD-10 codes	ICD-9 codes ¹	Comparability ratio
All injury	*U01-*U03,Y01-Y36, Y85-Y87,Y89	E800-E869,E880-E929,E950-E999	1.0159
Unintentional	V01-X59,Y85-Y86	E800-E869,E880-E929	1.0251
Suicide	*U03,X60-X84,Y87.0	E950-E959	1.0022
Homicide	*U01-*U02,X85-Y09,Y87.1	E960-E969	1.0020
Undetermined	Y10-Y34,Y87.2,Y89.9	E980-E989	0.9867
Legal intervention or war	Y35-Y36,Y89(.0,.1)	E970-E978,E990-E999	0.9235
Cut or pierce	W25-W29,W45,X78,X99, Y28,Y35.4	E920,E956,E966,E974,E986	0.9428
Unintentional	W25-W29,W45	E920	0.8049
Suicide	X78	E956	0.8708
Homicide	X99	E966	0.9587
Undetermined	Y28	E986	*
Legal intervention or war	Y35.4	E974	*
Drowning	W65-W74,X71,X92,Y21	E910,E954,E964,E984	1.0269
Unintentional	W65-W74	E910	1.0297
Suicide	X71	E954	1.0149
Homicide	X92	E964	1.0159
Undetermined	Y21	E984	1.0047
Fall	W00-W19,X80,Y01,Y30	E880-E886,E888,E957,E968.1,E987	1.0015
Unintentional	W00-W19	E880-E886,E888	0.9991
Suicide	X80	E957	1.0409
Homicide	Y01	E968.1	1.0833
Undetermined	Y30	E987	0.9857
Fire or hot object or substance	*U01.3,X00-X19,X76-X77, X97-X98,Y26-Y27,Y36.3	E890-E899,E924,E958(.1-.2,.7), E961,E968(.0,.3), E988(.1-.2,.7),E990	0.9969
Unintentional	X00-X19	E890-E899,E924	0.9987
Suicide	X76-X77	E958(.1,.2,.7)	0.9675
Homicide	*U01.3,X97-X98	E961,E968(.0,.3)	1.0048
Undetermined	Y26-Y27	E988(.1,.2,.7)	0.9420
Legal intervention or war	Y36.3	E990	*
Fire or flame	X00-X09,X76,X97,Y26	E890-E899,E958.1,E968.0,E988.1	0.9975
Unintentional	X00-X09	E890-E899	0.9995
Suicide	X76	E958.1	0.9675
Homicide	X97	E968.0	0.9951
Undetermined	Y26	E988.1	0.9692
Hot object or substance	X10-X19,X77,X98,Y27	E924,E958(.2,.7),E961,E968.3, E988(.2,.7)	0.9720
Unintentional	X10-X19	E924	0.9694
Suicide	X77	E958(.2,.7)	*
Homicide	X98	E961,E968.3	*
Undetermined	Y27	E988(.2,.7)	*

See footnotes at end of table.

Table VI. ICD-10 and ICD-9 comparability ratios according to mechanism of injury and intent of death—Con.

Mechanism and intent of death	ICD-10 codes	ICD-9 codes ¹	Comparability ratio
Firearm	*U01.4,W32–W34,X72–X74,X93–X95, Y22–Y24,Y35.0	E922,E955(.0–.4), E965(.0–.4),E985(.0–.4),E970	1.0012
Unintentional	W32–W34	E922	1.0165
Suicide	X72–X74	E955(.0–.4)	1.0012
Homicide	*U01.4,X93–X95	E965(.0–.4)	1.0019
Undetermined	Y22–Y24	E985(.0–.4)	1.0000
Legal intervention or war	Y35.0	E970	0.9196
Machinery ²	W24,W30–W31	E919	0.8813
All transport	*U01.1,V01–V99,X82,Y03,Y32,Y36.1	E800–848,E958.5,E988.5,E994	0.9930
Unintentional	V01–V99	E800–E848	0.9929
Suicide	X82	E958.5	0.9437
Homicide	*U01.1,Y03	...	*
Undetermined	Y32	E988.5	*
Legal intervention or war	Y36.1	E994	*
Motor vehicle traffic (MVT) ²	[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	E810–E819	0.9545
Occupant ²	[V30–V79](.4–.9),[V83–V86](.0–.3)	[E810–E819](.0–.1)	0.6191
Motorcyclist ²	[V20–V28](.3–.9),V29(.4–.9)	[E810–E819](.2–.3)	1.1520
Pedal cyclist ²	[V12–V14](.3–.9),V19(.4–.6)	[E810–E819](.6)	0.8038
Pedestrian ²	[V02–V04](.1,.9),V09.2	[E810–E819](.7)	0.9535
Other specified ²	V80(.3–.5),V81.1,V82.1	[E810–E819](.4,.5,.8)	*
Unspecified ²	V87(.0–.8),V89.2	[E810–E819](.9)	1.8753
Pedal cyclist, other ²	V10–V11,[V12–V14](.0–.2),V15– V18,V19(.0–.3,.8–.9)	[E800–E807](.3),[E820–E825] (.6),E826(.1,.9)	1.7477
Pedestrian, other ²	V01,[V02–V04](.0),V05,V06, V09(.0–.1,.3,.9)	[E800–E807](.2),[E820–E825] (.7),[E826–E829](.0)	1.2057
Other land transport	[V20–V28](.0–.2),[V29–V79](.0–.3), V80(.0–.2,.6–.9),[V81–V82](.0,.2–.9), [V83–V86](.4–.9),V87.9,V88(.0–.9),V89 (.0–.1,.3,.9),X82,Y03,Y32	[E800–E807](.0–.1,.8–.9), [E820–E825](.0–.5,.8–.9),E826 (.2–.8),[E827–E829](.2–.9), E846,E958.5,E988.5	2.6292
Unintentional	[V20–V28](.0–.2),[V29–V79](.0–.3),V80 (.0–.2,.6–.9),[V81–V82](.0,.2–.9),[V83–V86] (.4–.9),V87.9,V88(.0–.9),V89(.0–.1,.3,.9)	[E800–E807](.0–.1,.8–.9), [E820–E825](.0–.5,.8–.9),E826 (.2–.8),[E827–E829](.2–.9),E846	2.7630
Suicide	X82	E958.5	0.9437
Homicide	Y03	...	*
Undetermined	Y32	E988.5	*
Other transport	*U01.1,V90–V99,Y36.1	E830–E845, E847–E848, E994	0.9098
Unintentional	V90–V99	E830–E845, E847–E848	0.9098
Homicide	*U01.1	...	*
Legal intervention or war	Y36.1	E994	*
Natural or environmental ²	W42–W43,W53–W64,W92–W99, X20–X39,X51–X57	E900–E909,E928(.0–.2)	1.0390
Overexertion ²	X50	E927	*

See footnotes at end of table.

Table VI. ICD-10 and ICD-9 comparability ratios according to mechanism of injury and intent of death—Con.

Mechanism and intent of death	ICD-10 codes	ICD-9 codes ¹	Comparability ratio
Poisoning	*U01(.6-.7),X40-X49, X60-X69, X85-X90,Y10-19,Y35.2	E850-E869,E950-952,E962,E972, E980-E982	1.0192
Unintentional	X40-X49	E850-E869	1.0365
Suicide	X60-X69	E950-E952	1.0013
Homicide	*U01(.6-.7),X85-X90	E962	1.0417
Undetermined	Y10-Y19	E980-E982	0.9870
Legal intervention or war	Y35.2	E972	*
Struck by or against	W20-W22,W50-W52,X79,Y00, Y04,Y29,Y35.3	E916-E917,E960.0,E968.2,E973,E975	1.0852
Unintentional	W20-W22,W50-W52	E916-E917	1.0549
Suicide	X79	...	*
Homicide	Y00,Y04	E960.0,E968.2	1.1765
Undetermined	Y29	...	*
Legal intervention or war	Y35.3	E973,E975	*
Suffocation	W75-W84,X70,X91,Y20	E911-E913,E953,E963,E983	1.0974
Unintentional	W75-W84	E911-E913	1.2320
Suicide	X70	E953	1.0025
Homicide	X91	E963	1.0840
Undetermined	Y20	E983	0.9016
Other specified, classifiable	*U01(.0,.2,.5),*U03.0,W23, W35-W41,W44,W49,W85-W91, X75,X81,X96,Y02,Y05-Y07,Y25, Y31,Y35(.1,.5),Y36(.0,.2,.4-.8), Y85	E914-E915,E918,E921,E923,E925-E926, E929(.0-.5),E955(.5,.9),E958(.0,.3-.4), E960.1, E965(.5-.9),E967,E968.4,E971, E978,E985.5, E988(.0,.3-.4),E991-E993, E996,E997(.0-.2)	0.8956
Unintentional	W23,W35-W41,W44,W49, W85-W91,Y85	E914-E915,E918,E921,E923,E925-E926, E929(.0-.5)	0.8789
Suicide	*U03.0,X75,X81	E955(.5,.9),E958(.0,.3-.4)	0.9010
Homicide	*U01(.0,.2,.5),X96,Y02,Y05-Y07	E960.1,E965(.5-.9),E967,E968.4	0.9730
Undetermined	Y25,Y31	E985.5,E988(.0,.3-.4)	*
Legal intervention or war	Y35(.1,.5),Y36(.0,.2,.4-.8)	E971,E978,E991-E993,E996,E997(.0-.2)	1.2000
Other specified, not elsewhere classified	*U01.8,*U02,X58,X83,Y08,Y33, Y35.6,Y86-Y87,Y89(.0-.1)	E928.8,E929.8,E958(.6,.8),E959,E968.8, E969,E977, E988(.6,.8),E989,E995,E997. 8,E998,E999	1.5667
Unintentional	X58,Y86	E928.8,E929.8	9.0920
Suicide	X83,Y87.0	E958(.6,.8),E959	1.1878
Homicide	*U01.8,*U02,Y08,Y87.1	E968.8,E969	0.9605
Undetermined	Y33,Y87.2	E988(.6,.8),E989	1.0800
Legal intervention or war	Y35.6,Y89(.0,.1)	E977,E995,E997.8,E998,E999	*

See footnotes at end of table.

Table VI. ICD–10 and ICD–9 comparability ratios according to mechanism of injury and intent of death—Con.

Mechanism and intent of death	ICD–10 codes	ICD–9 codes ¹	Comparability ratio
Unspecified	*U01.9,*U03.9,X59,X84,Y09, Y34,Y35.7,Y36.9,Y89.9	E887,E928.9,E929.9,E958.9,E968.9, E976,E988.9,E997.9	1.1124
Unintentional	X59	E887,E928.9,E929.9	1.1293
Suicide	*U03.9,X84	E958.9	1.7368
Homicide	*U01.9,Y09	E968.9	1.0177
Undetermined	Y34,Y89.9	E988.9	0.9960
Legal intervention or war	Y35.7,Y36.9	E976,E997.9	*

* Figure does not meet standards of reliability or precision.

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

¹ICD–9 categories in this table are not all consistent with the ICD–9 external cause of injury death matrix. The following ICD–9 codes have been allocated to different categories of the injury matrix so that the ICD–9 definition conforms more closely to that dictated by the ICD–10 version of this instrument. See list of codes below.

ICD–9 codes	In the ICD–9 external cause mortality matrix, codes came from the following categories:	To be made compatible with ICD–10 codes, codes were moved to the following categories:
E990	Other specified and classifiable, legal intervention	Fire or hot object or substance, legal intervention
[E800–E807](.0,-.1,.8,-.9),[E820–E825](.0-.5,.8,-.9),E826(.2-.8),[E827–E829](.2-.9)	Transport, other, unintentional	Other land transport, unintentional
E846	Other specified and classifiable, unintentional	Other land transport, unintentional
E958.5	MVT, suicide	Other land transport, suicide
E988.5	MVT, undetermined	Other land transport, undetermined
E830–E832	Drowning, unintentional	Other transport, unintentional
E847–E848	Other specified and classifiable, unintentional	Other transport, unintentional
E994	Other specified and classifiable, legal intervention	Other transport, legal intervention
E958.3	Natural or environmental, suicide	Other specified classifiable, suicide
E958.6	Transport, other, suicide	Other specified, not elsewhere classified, suicide
E988.3	Natural or environmental, undetermined	Other specified classifiable, undetermined
E988.6	Transport, other, undetermined	Other specified, not elsewhere classified, undetermined

² Intent of death is unintentional.

NOTES: ICD is *International Classification of Diseases*. 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 notes for footnote 1 are an expanded version of what is in the report cited as the source. 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 []. For explanation of asterisks (*) preceding cause-of-death codes, see Appendix I, Mortality Statistics.

SOURCE: Miniño AM, Anderson RN, Fingerhut LA, Boudreault MA, Warner M. Deaths: Injuries, 2002. National vital statistics reports; vol 54 no 10. Hyattsville, MD: National Center for Health Statistics. 2006.