External Cause of Injury Mortality Matrix for ICD-10						
Source :https://www.cdc.gov/nchs/data/ice/icd10_transcode.pdf						
				Intent		
	All injury	**Unintentional**	**Suicide**	**Homicide**	**Undetermined**	**Legal intervention/war**
Mechanism						
All injury	V01-Y36, Y85-Y87, Y89, ***U01-*U03**	V01-X59 , Y85-Y86	X60-X84,Y87.0, ***U03**	X85-Y09,Y87.1,***U01-*U02**	Y10-Y34,Y87.2, Y89.9	Y35-Y36, Y89(.0, .1)
Cut/pierce	W25-W29, W45, X78, X99, Y28, Y35.4	W25-W29, W45	X78	X99	Y28	Y35.4
Drowning	W65-W74, X71, X92, Y21	W65-W74	X71	X92	Y21	
Fall	W00-W19, X80, Y01, Y30	W00-W19	X80	Y01	Y30	
Fire/ hot object or substance	X00-X19, X76-77, X97-X98, Y26-Y27, Y36.3, ***U01.3**	X00-X19	X76-X77	X97-X98,***U01.3**	Y26-Y27	Y36.3
Fire/flame	X00-X09, X76, X97, Y26	X00-X09	X76	X97	Y26	
Hot object/substance	X10-X19, X77, X98, Y27	X10-X19	X77	X98	Y27	
Firearm	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0, ***U01.4**	W32-W34	X72-X74	X93-X95, ***U01.4**	Y22-Y24	Y35.0
Machinery	W24, W30-W31	W24, W30-W31				
All Transport	V01-V99, X82, Y03, Y32, Y36.1, ***U01.1**	V01-V99	X82	Y03, ***U01.1**	Y32	Y36.1
Motor Vehicle Traffic						
Occupant	V30-V39 (.4-.9)	V30-V39 (.4-.9)				
	V40-V49 (.4-.9)	V40-V49 (.4-.9)				
	V50-V59 (.4-.9)	V50-V59 (.4-.9)				
	V60-V69 (.4-.9)	V60-V69 (.4-.9)				
	V70-V79 (.4-.9)	V70-V79 (.4-.9)				
	V83-V86 (.0-.3)	V83-V86 (.0-.3)				
Motorcyclist	V20-V28 (.3-.9), V29 (.4-.9)	V20-V28 (.3-.9), V29 (.4-.9)				
Pedal cyclist	V12-V14 (.3-.9) , V19 (.4-.6)	V12-V14 (.3-.9) , V19 (.4-.6)				
Pedestrian	V02-V04 (.1, .9) V09.2	V02-V04 (.1, .9) V09.2				
Other	V80 (.3-.5), V81.1, V82.1	V80 (.3-.5), V81.1, V82.1				
Unspecified	V87(.0-.8), V89.2	V87(.0-.8), V89.2				
Pedal cyclist, other	V10-V11, V12-V14 (.0-.2)	V10-V11, V12-V14 (.0-.2)				
	V15-V18, V19 (.0-.3, .8, .9)	V15-V18, V19 (.0-.3, .8, .9)				
Pedestrian, other	V01, V02-V04 (.0), V05, V06,	V01, V02-V04 (.0), V05, V06,				
	V09 (.0,.1,.3,.9)	V09 (.0,.1,.3,.9)				
	All injury	**Unintentional**	**Suicide**	**Homicide**	**Undetermined**	**Legal intervention/war**
Mechanism						
Other land transport	V20-V28 (.0-.2), V29 (.0-.3)	V20-V28 (.0-.2), V29 (.0-.3)				
	V30-V39 (.0-.3)	V30-V39 (.0-.3)				
	V40-V49 (.0-.3)	V40-V49 (.0-.3)				
	V50-V59 (.0-.3)	V50-V59 (.0-.3)				
	V60-V69 (.0-.3)	V60-V69 (.0-.3)				
	V70-V79 (.0-.3)	V70-V79 (.0-.3)				
	V80 (.0-.2, .6-.9)	V80 (.0-.2, .6-.9)				
	V81-V82 (.0,.2-.9)	V81-V82 (.0,.2-.9)				
	V83-V86 (.4-.9)	V83-V86 (.4-.9)				
	V87.9	V87.9				
	V88 (.0-.9)	V88 (.0-.9)				
	V89 (.0, .1 .3, .9), X82, Y03, Y32	V89 (.0, .1 .3, .9)	X82	Y03	Y32	
Other Transport	V90-V99, Y36.1,***U01.1**	V90-V99		***U01.1**		Y36.1
Natural /environmental	W42, W43, W53-W64	W42, W43, W53-W64				
	W92-W99, X20-X39, X51-X57	W92-W99, X20-X39, X51-X57				
Overexertion	X50	X50				
Poisoning	X40-X49, X60-X69, X85-X90, Y10-Y19, Y35.2,***U01(.6-.7)**	X40-X49	X60-X69	X85-X90,***U01.6-.7**	Y10-Y19	Y35.2
Struck by or against	W20-W22, W50-W52, X79, Y00, Y04, Y29, Y35.3	W20-W22, W50-W52	X79	Y00, Y04	Y29	Y35.3
Suffocation	W75-W84, X70, X91, Y20	W75-W84	X70	X91	Y20	
Other specified, classifiable	W23, W35-W41, W44, W49, W85-W91,Y85,	W23, W35-W41, W44	X75, X81, ***U03.0**	X96, Y02, Y05-Y07,	Y25, Y31	Y35(.1, .5) Y36(.0, .2,.4-.8)
	X75, X81, X96, Y02, Y05-Y07, Y25, Y31,	W49 W85-W91, Y85		***U01.0, .2, .5**		
	Y35(.1,.5), Y36(.0,.2,.4-.8), ***U01.0, .2, .5, *U03.0**					
Other specified, nec	X58, Y86, X83, Y87.0, Y08, Y87.1, Y33, Y87.2,	X58, Y86	X83, Y87.0	Y08, Y87.1, ***U01.8, *U02**	Y33, Y87.2	Y35.6, Y89 (.0, .1)
	Y35.6, Y89(.0,.1), ***U01.8, *U02**					
Unspecified	X59, X84, Y09, Y34, Y89.9, Y35.7, Y36.9, ***U01.9, *U03.9**	X59	X84, ***U03.9**	Y09, ***U01.9**	Y34, Y89.9	Y35.7 Y36.9

Adverse effects	Y40-Y59, Y60-Y84, Y88					

Drugs	Y40-Y59, Y88.0					
Medical care	Y60-Y84, Y88(.1-.3)					
Notes: This framework was developed to be consistent with the framework developed based on ICD-9 external						
cause of injury codes as published in http://www.cdc.gov/mmwr/PDF/rr/rr4614.pdf						
Drowning is the one external cause that has been redefined in this matrix. Codes for water transportation-related drowning, V90 and V92, are						
included in the transportation codes rather than with the drowning codes. In the ICD-9 version of the matrix, the						
comparable codes, E830 and E832, were included with drowning. This change was made to be consistent with other mechanisms involved with water transport-related injuries.						
In this version, V81.1 and V81.2 were moved from the row for motor vehicle traffic- occupant to the row for motor vehicle traffic- other.						
This version also contains the new ICD-10 codes for terrorism. The codes are bolded and are preceded with **'*'.** See http://www.cdc.gov/nchs/about/otheract/icd9/terrorism_code.htm						
	All injury	**Unintentional**	**Suicide**	**Homicide**	**Undetermined**	**Legal intervention/war**
Mechanism						
ICD-10 Transportation codes						
All Motor Vehicle Accidents combine motor vehicle traffic and non-traffic.						
Motor Vehicle accident codes are equivalent to codes in the NCHS 113 Cause of death list.						
Motor vehicle accidents						
Motor Vehicle Traffic						
Occupant	V30-39 (.4-.9)					
Occupant	V40 "					
Occupant	V50 "					
Occupant	V60 "					
Occupant	V70 "					
Occupant	V83-V86 (.0-.3)					
Motorcyclist	V20-V28 (.3-.9), V29 (.4-.9)					
Pedal cyclist	V12-V14 (.3-.9), V19 (.4-.6)					
Pedestrian	V02-V04 (.1, .9), V09.2					
Other	V80 (.3-.5), V81.1, V82.1					
Unspecified	V87(.0-.8), V89.2					
Motor Vehicle non-Traffic						
Pedestrian, mv-nt	V09.0, V02-V04 (.0)					
Pedal cyclist, mv- nt	V12-V14 (.0-.2), V19 (.0-.2)					
Other mv-nt	V20-V28 (.0-.2), V29 (.0-.3)					
	V30-V39 (.0-.3)					
	V40-V49 (.0-.3)					
	V50-V59 (.0-.3)					
	V60-V69 (.0-.3)					
	V70-V79 (.0-.3)					
	V81.0, V82.0					
	V83-V86 (.4-.9)					
	V88 (.0-.8)					
	V89.0					
Other land transport						
Pedestrian, non-motor vehicle	V01, V05, V06, V09 (.1,.3,.9)					
Pedal cyclist, non-motor vehicle	V10, V11, V15-V18, V19 (.3,.8,.9)					
Animal rider or occupant of animal drawn vehicle	V80(.0-.2, .6-.9)					
Occupant of railway train or railway vehicle	V81 (.2-.9)					
Occupant of streetcar	V82 (.2-.9)					
Other and unspecified	V87-V88 (.9), V89 (.1,.3,.9), X82, Y03, Y32					
Other Transport						
Accident to or on watercraft (other than drowning)	V91, V93					
Transport-related drowning	V90, V92					
Other & unspecified water transport accidents	V94					
Air and space transport accidents	V95-V97					
Other and unspecified transport accidents	V98-V99, Y36.1, ***U01.1**					