

Injury Data Online Tool – Injury Classification Frameworks

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Injury Hospitalization iDOT Tool Classification Framework

Hospitalization External cause of injury matrix based on ICD-10-CA external cause of injury codes; detailed categories

Mechanism of injury (based on the ICD-10)	All injury	Intention				Legal intervention / war
		Unintentional	Intentional self-harm	Assault	Undetermined	
All injury	V01–Y36, Y85–Y87, Y89	V01–X59, Y85–Y86	X60–X84, Y87.0	X85–Y09, Y87.1	Y10–Y34, Y87.2, Y89.9	Y35–Y36, Y89(.0,.1)
Motor vehicle traffic any occupant, motorcyclist, cyclist, pedestrian injured in a traffic incident with a motor vehicle and occurring on the public highway or roadway	[V30–V79](.4–.9), [V83–V86](.0–.3), V87(0-8), V89.2, X82, [V20–V28](.3–.9), V29(.4–.9), [V12–V14](.3–.9), V19(.4–.6), V19.9, [V02–V04](.1,.9), V09.2, V09.3, Y02, Y03, V80(.3–.5), V81.1, V82.1, X81, Y32	[V30–V79](.4–.9), [V83–V86](.0–.3), V87(0-8), V89.2, [V20–V28](.3–.9), V29(.4–.9), [V12–V14](.3–.9), V19(.4–.6), V19.9, [V02–V04](.1,.9), V09.2, V09.3, Y02, Y03, V80(.3–.5), V81.1, V82.1,	X81, X82	Y02, Y03	Y32	...
Motor vehicle traffic - Occupant	[V30–V79](.4–.9), [V83–V86](.0–.3), V87(0-8), V89.2, X82	[V30–V79](.4–.9), [V83–V86](.0–.3), V87(0-8), V89.2	X82	...	...	...
Motor vehicle traffic - Motorcyclist	[V20–V28](.3–.9), V29(.4–.9)	[V20–V28](.3–.9), V29(.4–.9)	...	...	...	...
Motor vehicle traffic - Pedal cyclist	[V12–V14](.3–.9), V19(.4–.6), V19.9	[V12–V14](.3–.9), V19(.4–.6), V19.9	...	...	...	...
Motor vehicle traffic - Pedestrian	[V02–V04](.1,.9), V09.2, V09.3, Y02, Y03	[V02–V04](.1,.9), V09.2, V09.3	...	Y02, Y03	...	...
Motor vehicle traffic - Other	V80(.3–.5), V81.1, V82.1, X81	V80(.3–.5), V81.1, V82.1	X81	...	...	...
Motor vehicle traffic - Unspecified	Y32		...	...	Y32	...
Motor vehicle non-traffic any motor vehicle incident that occurred entirely in any place other than a public highway or roadway	[V20–V28](.0–.2), V29(.0–.3), [V30–V79](.0–.3), V81.0, V82.0, [V84–V85](.5–.9), V86(.4–.9), V88(.0–.8), V89.0	[V20–V28](.0–.2), V29(.0–.3), [V30–V79](.0–.3), V81.0, V82.0, [V84–V85](.5–.9), V86(.4–.9), V88(.0–.8), V89.0	...	...	...	...

Off road motor vehicle non-traffic	V86(.4-.9)	V86(.4-.9)	...	...	...	...
Other motor vehicle non-traffic	[V20-V28](.0-.2), V29(.0-.3), [V30-V79](.0-.3), V81.0, V82.0, [V84-V85](.5-.9), V88(.0-.8), V89.0	[V20-V28](.0-.2), V29(.0-.3), [V30-V79](.0-.3), V81.0, V82.0, [V84-V85](.5-.9), V88(.0-.8), V89.0	...	...	...	...
Pedal cyclist, without motor vehicle pedal cyclist injured in an incident not involving a motor vehicle, either occurring on the public highway or roadway or non-roadway	V10-V11, [V12-V14](.0-.2), V15-V18, V19(.0-.3,.8)	V10-V11, [V12-V14](.0-.2), V15-V18, V19(.0-.3,.8)	...	...	...	...
Pedal cyclist - roadway without motor vehicle	[V10-V11](.3-.9), [V15-V18](.3-.9), V19.8	[V10-V11](.3-.9), [V15-V18](.3-.9), V19.8	...	...	...	...
Pedal cyclist - non-roadway without motor vehicle	[V10-V18](.0-.2), V19(.0-.3)	[V10-V18](.0-.2), V19(.0-.3)	...	...	...	...
Pedestrian, without motor vehicle pedestrian injured in an incident not involving a motor vehicle, either occurring on the public highway or roadway or non-roadway	V01, [V02-V04](.0), V05, V06, V09(.0,.1,.9)	V01, [V02-V04](.0), V05, V06, V09(.0,.1,.9)	...	...	...	...
Pedestrian - roadway without motor vehicle	[V01, V05, V06](.1-.9)	[V01, V05, V06](.1-.9)	...	...	...	...
Pedestrian - non-roadway without motor vehicle	[V01-V06](.0), V09(.0,.1,.9)	[V01-V06](.0), V09(.0,.1,.9)	...	...	...	...
Other land transport	V80(.0-.2,.6-.9), [V81-V82](.2-.9), V83(.4-.9), V84.4, V85.4, V87.9, V88.9, V89(.1,.3,.9)	V80(.0-.2,.6-.9), [V81-V82](.2-.9), V83(.4-.9), V84.4, V85.4, V87.9, V88.9, V89(.1,.3,.9)	...	...	...	...

Other transport	V91, V93-V99, Y36(.0,.1)	V91, V93-V99	...	...		Y36(.0,.1)
Water transport	V91, V93, V94, Y36.0	V91, V93, V94	...	...		Y36.0
Air transport	V95-V97, Y36.1	V95-V97	...	...		Y36.1
Other/unspecified transport	V98, V99	V98, V99	...	...	...	...
Drowning	V90, V92, W65–W74, X71, X92, Y21	V90, V92, W65–W74	X71	X92	Y21	...
Drowning involving watercraft	V90, V92	V90, V92	...	...	...	...
Drowning involving bathtub	W65, W66	W65, W66	...	...	...	...
Drowning involving swimming pool	W67, W68	W67, W68	...	...	...	...
Drowning involving natural water	W69, W70	W69, W70	...	...	...	...
Other, unspecified drowning	W73, W74, X71, X92, Y21	W73, W74	X71	X92	Y21	...
Fall	W00–W19, X80, Y01, Y30	W00–W19	X80	Y01	Y30	...
Fall on same level, slip/trip	W00, W01, W03, W04, W18	W00, W01, W03, W04, W18	...	...	...	...
Fall involving skates, skis, skateboards	W02	W02	...	...	...	...
'Fall involving wheelchair, other walking devices	W05	W05	...	...	...	...
Fall involving furniture	W06-W08	W06-W08	...	...	...	...
Fall involving playground equipment	W09	W09	...	...	...	...
Fall involving stairs, steps	W10	W10	...	...	...	...
Fall involving ladder, scaffolding	W11, W12	W11, W12	...	...	...	...
Fall from one level to another	W13 – W17, X80, Y01, Y30	W13 – W17	X80	Y01	Y30	...
Unspecified fall	W19	W19	...	...	...	...
Struck by or against accidental contact with objects, sport equipment, persons or crowds	W20–W23, W50–W52, X79, Y00, Y04, Y29, Y35.3, Y35.6	W20–W23, W50–W52	X79	Y00, Y04	Y29	Y35.3, Y35.6
Machinery	W24, W30, W31	W24, W30, W31	...	...	...	...

Cut or pierce	W25–W29, W45, W46, X78, X99, Y28, Y35.4	W25–W29, W45, W46	X78	X99	Y28	Y35.4
Firearms	W32–W34, X72–X74, X93–X95, Y22–Y24, Y35.0, Y36.4	W32–W34	X72–X74	X93–X95	Y22–Y24	Y35.0, Y36.4
Explosion	W35–W40, X75, X96, Y25, Y35.1, Y36.0, Y36.2	W35–W40	X75	X96	Y25	Y35.1, Y36.0, Y36.2
Suffocation/choking	W75–W84, X70, X91, Y20	W75–W84	X70	X91	Y20	...
Suffocation	W75, W76, W77, W81	W75, W76, W77, W81	...	...	...	...
Choking	W78, W79, W80,	W78, W79, W80,	...	...	...	...
Other, unspecified threats to breathing	W83, W84, X70, X91, Y20	W83, W84	X70	X91	Y20	...
Exposure to electric current	W85–W87	W85–W87	...	...	...	...
Natural or environmental	W42, W43, W53–W64, W92–W99, X20–X39, X51–X57	W42, W43, W53–W64, W92–W99, X20–X39, X51–X57	...	...	...	...
Bite/sting, nonvenomous	W53–W59	W53–W59	...	...	...	...
Venomous plant/animal	X20–X29	X20–X29	...	...	...	...
Excess natural heat	X30	X30	...	...	...	...
Excess natural cold	X31	X31	...	...	...	...
Lack of food/water	X53, X54, X57	X53, X54, X57	...	...	...	...
Other environmental factors	W42, W43, W60, W64, X51, X52, X32–X39, W92–W99	W42, W43, W60, W64, X51, X52, X32–X39, W92–W99	...	...	...	...
Fire/hot substance	X00–X19, X76, X77, X97, X98, Y26, Y27, Y36.3	X00–X19	X76, X77	X97, X98	Y26, Y27	Y36.3
Fire in building, structure	X00, X02	X00, X02	...	...	...	...
Ignition of highly flammable material	X04, X05, X06	X04, X05, X06	...	...	...	...
Other, unspecified fire	X01, X03, X08, X09, X76, X97, Y26, Y36.3	X01, X03, X08, X09	X76	X97	Y26	Y36.3
Contact with hot liquid, food, vapour	X10, X11, X12, X13	X10, X11, X12, X13	...	...	...	...

Contact with hot appliances	X15, X16	X15, X16	...	...	...	...
Contact with other hot substance	X14, X17, X18, X19, X77, X98, Y27	X14, X17, X18, X19	X77	X98	Y27	...
Poisoning	X40–X49, X60–X69, X85–X90, Y10–Y19, Y35.2, Y36.7	X40–X49	X60–X69	X85–X90	Y10–Y19	Y35.2, Y36.7
Narcotic and hallucinogen drug poisoning	X42, X62, Y12	X42	X62		Y12	...
Other drug poisoning	X40, X41, X43, X44, X60, X61, X63, X64, X85, Y10, Y11, Y13, Y14	X40, X41, X43, X44	X60, X61, X63, X64	X85	Y10, Y11, Y13, Y14	...
Alcohol poisoning	X45, X65, Y15	X45	X65		Y15	...
Non-drug poisoning	X46–X49, X66–X69, X86–X90, Y16–Y19, Y35.2, Y36.7	X46–X49	X66–X69	X86–X90	Y16–Y19	Y35.2, Y36.7
Overexertion injuries from strenuous or repetitive movements	X50	X50	...	...	...	...
Foreign body in natural orifice	W44	W44	...	...	...	...
Other specified, classifiable	W41, W49, W88–W91, Y05–Y07, Y31, Y35.5, Y36(.5,.6,.8)	W41, W49, W88–W91		Y05–Y07	Y31	Y35.5, Y36(.5,.6,.8)
Other specified, not classifiable	X58, X83, Y08, Y33, Y35.6	X58	X83	Y08	Y33	Y35.6
Unspecified	X59, X84, Y09, Y34, Y35.7, Y36.9	X59	X84	Y09	Y34	Y35.7, Y36.9

Injury Emergency Department (Lower Mainland) iDOT Tool

Emergency Department (ED) External cause of injury matrix based on ICD-10-CA external cause of injury codes; detailed categories

Mechanism of Injury (Labelled as Type of Injury on the Injury ED iDOT)	ICD-10-Code
Asphyxia	T71
Burns	T29.0, T30(.1-.3)
Drowning/submersion	T75.1
Environmental	T67.0, T35.7, T63.9, T66, T67.9, T68, T70.3, T70.9, T75.0
Heatstroke and sunstroke	T67.0
Other environmental	T35.7, T63.9, T66, T67.9, T68, T70.3, T70.9, T75.0
Foreign Body	T15.0, T15.9, T16, T17.1, T17.9, T18.1, T18.5, T18.9, T19.0, T19.2
Maltreatment/Abuse	T74.9
Poisoning/Toxic effects	T40.1, T40(.5-.7), T40.9, T39.0, T39.9, T42.4, T43.9, T46.9, T50.9, T65.9, T52.9, T54.9, T56.9, T58, T59.9, T60.9, T62.9, T51.0
Narcotic and hallucinogen drug poisoning	T40.1, T40(.5-.7), T40.9
Other drug poisoning	T39.0, T39.9, T42.4, T43.9, T46.9, T50.9, T65.9
Non-drug poisoning	T52.9, T54.9, T56.9, T58, T59.9, T60.9, T62.9
Alcohol poisoning	T51.0
Other injury	T75.4

Note: Shaded categories are labelled as "SubType" on the iDOT

Sports-related Injury Hospitalization iDOT Tool

Sport-related Injury Hospitalization matrix based on ICD-10-CA external cause of injury codes; detailed categories

Sport	ICD-10-Code
Soccer	W2204, W5104
Football/rugby	W2203, W5103
Other and unspecified ball sports and recreational activity	W2100
Baseball	W2205, W5105
Hockey	W2102, W2103, W2202, W5102
Other and unspecified bat/stick sports and recreational activity	W2101
Swimming	W67-W74
Diving	W16
Motor and non-motored boat sports	V90-V94
All-terrain vehicle (ATV) sports	V862, V864, V867, V8608, V8618, V8638, V8658, V8668, V8698

Off road cycling sports	V100-V102, V110-V112, V120-V122, V130-V132, V140-V142, V150-V152, V160-V162, V170-V172, V180-V182, V190-V193
On road cycling sports	V10-V11
Rollerblades	W0202
Scooter/hoverboard/segway	W02080, W02087, W02088
Skateboard	W0203
Animal rider	V80
Ice skating	W0200
Skiing/snowboarding	W0201, W0204, W2200, W5100
Tobogganing/sledding	W2201, W5101
Snowmobiling	V8600, V8610, V8630, V8650, V8651, V8660, V8661, V8690, V8691
Falls involving swing	W0901
Falls involving slide	W0902
Falls involving teeter totter	W0903
Falls involving monkey bars	W0904
Falls involving trampoline	W0905
Other/unspecified falls involving play equipment	W0908, W0909, W09
Other specified sports and recreational activity	V961, V962, V972