

## Supplemental Tables

SUPPLEMENTAL TABLE A1

Original (French) and Translated (English) Keywords\* Used to Detect Cases for the BCQ Sport and Recreation Deaths Database and Subscription Service

DB (original)	DB (translation)	SS	SS (translation)
Chasse	Hunting	Chasse	Hunting
Pêche	Fishing	Pêche	Fishing
Plongée	Diving	Plongée	Diving
Danse	Dancing	Danse	Dancing
Ski	Skiing	Ski	Skiing
Quille	Bowling	Quille	Bowling
Aquaforme	Aquafitness	Aquaforme	Aquafitness
Bicyclette	Bicycle	Bicyclette	Bicycle
Vélo	Cycling	Vélo	Cycling
Basketball	Basketball	Basketball	Basketball
Crosse	Lacrosse	Crosse	Lacrosse
Karaté	Karate	Karaté	Karate
Volleyball	Volleyball	Volleyball	Volleyball
Golf	Golf	Golf	Golf
Physique	Physical	Physique	Physical
Jogging	Jogging	Jogging	Jogging
Baignade	Swimming	Baignade	Swimming
Hockey	Hockey	Hockey	Hockey
Marathon	Marathon	Marathon	Marathon
Judo	Judo	Judo	Judo
Soccer	Soccer	Soccer	Soccer
Football	Football	Football	Football
Roulette (planche/patin à)	Skateboarding/Roller skating	Roulette (planche/patin à)	Skateboarding/Roller skating
Planche	Board	Planche	Board
Motoneige	Snowmobile		
Bateau	Boat		
Noyade	Drowning		
Monture	Mount	Équitation	Horse riding
Avalanche	Avalanche		
Sport(if/ive)	Sport(sportsman/sportswoman)		
Boxe	Boxing		

DB: Sport and recreation deaths database

SS: Subscription service

\* While some cases may have been undetected, all keywords listed, whether partial or complete, were automatically captured. To address potential typos or inconsistencies, data integration into the BCQ database incorporates a revalidation process overseen by medical archivists. Additionally, to minimize undetected errors, the first condition of the BCQ algorithm (Methods section), acts as an added safety measure, complementing the keyword-based detection system (high redundancy).

SUPPLEMENTAL TABLE A2

Codes Extracted From the International Classification of Diseases and Related Health Problems 10th Revision (ICD-10)\* for the BCQ Sport and Recreation Deaths Database and Subscription Service and Occurrences of Each Code in the Final 06-19 Sport and Recreation Deaths-Analysed Database

Code Categorie	Code	DB	SS	DB <sub>f</sub>	Description
V10-V19	V10	x	x	x	Pedal cyclist injured in collision with pedestrian or animal
Pedal cyclist injured in transport accident	V11	x	x	x	Pedal cyclist injured in collision with other pedal cycle
	V12	x	x	x	Pedal cyclist injured in collision with two- or three-wheeled motor vehicle
	V13	x	x	x	Pedal cyclist injured in collision with car, pick-up truck or van
	V14	x	x	x	Pedal cyclist injured in collision with heavy transport vehicle or bus
	V15	x	x	x	Pedal cyclist injured in collision with railway train or railway vehicle
	V16	x	x		Pedal cyclist injured in collision with other nonmotor vehicle
	V17	x	x	x	Pedal cyclist injured in collision with fixed or stationary object
	V18	x	x	x	Pedal cyclist injured in noncollision transport accident
	V10-V18				
	.0	x	x	x	Driver injured in nontraffic accident
	.1	x	x		Passenger injured in nontraffic accident
	.2	x	x		Unspecified pedal cyclist injured in nontraffic accident
	.3	x	x		Person injured while boarding or alighting
	.4	x	x	x	Driver injured in traffic accident
	.5	x	x		Passenger injured in traffic accident
	.9	x	x	x	Unspecified pedal cyclist injured in traffic accident
	V19				Pedal cyclist injured in other and unspecified transport accidents
	V19.0	x	x		Driver injured in collision with other and unspecified motor vehicles in nontraffic accident
	V19.1	x	x		Passenger injured in collision with other and unspecified motor vehicles in nontraffic accident
	V19.2	x	x		Unspecified pedal cyclist injured in collision with other and unspecified motor vehicles in nontraffic accident
	V19.3	x	x		Pedal cyclist [any] injured in unspecified nontraffic accident
	V19.4	x	x		Driver injured in collision with other and unspecified motor vehicles in traffic accident
	V19.5	x	x		Passenger injured in collision with other and unspecified motor vehicles in traffic accident
	V19.6	x	x		Unspecified pedal cyclist injured in collision with other and unspecified motor vehicles in traffic accident
	V19.8	x	x		Pedal cyclist [any] injured in other specified transport accidents
	V19.9	x	x	x	Pedal cyclist [any] injured in unspecified traffic accident
V80, V86 and V89	V80				Animal-rider or occupant of animal-drawn vehicle injured in transport accident
Other land transport accidents	V80.0	x	x	x	Rider or occupant injured by fall from or being thrown from animal or animal-drawn vehicle in noncollision accident
	V80.1	x	x		Rider or occupant injured in collision with pedestrian or animal
	V80.2	x	x		Rider or occupant injured in collision with pedal cycle
	V80.3	x	x		Rider or occupant injured in collision with two- or three-wheeled motor vehicle

	V80.4	x	x		Rider or occupant injured in collision with car, pick-up truck, van, heavy transport vehicle or bus
	V80.5	x	x		Rider or occupant injured in collision with other specified motor vehicle
	V80.6	x	x		Rider or occupant injured in collision with railway train or railway vehicle
	V80.7	x	x		Rider or occupant injured in collision with other nonmotor vehicle
	V80.8	x	x		Rider or occupant injured in collision with fixed or stationary object
	V80.9	x	x	x	Rider or occupant injured in other and unspecified transport accidents
	V86				Occupant of special all-terrain or other motor vehicle designed primarily for off-road use, injured in transport accident
	V86.0	x	x	x	Driver of all-terrain or other off-road motor vehicle injured in traffic accident
	V86.1	x	x	x	Passenger of all-terrain or other off-road motor vehicle injured in traffic accident
	V86.2	x	x	x	Person on outside of all-terrain or other off-road motor vehicle injured in traffic accident
	V86.3	x	x		Unspecified occupant of all-terrain or other off-road motor vehicle injured in traffic accident
	V86.4	x	x		Person injured while boarding or alighting from all-terrain or other off-road motor vehicle
	V86.5	x	x	x	Driver of all-terrain or other off-road motor vehicle injured in nontraffic accident
	V86.6	x	x	x	Passenger of all-terrain or other off-road motor vehicle injured in nontraffic accident
	V86.7	x	x	x	Person on outside of all-terrain or other off-road motor vehicle injured in nontraffic accident
	V86.9	x	x	x	Unspecified occupant of all-terrain or other off-road motor vehicle injured in nontraffic accident
	V89				Motor- or nonmotor-vehicle accident, type of vehicle unspecified
	V89.0	x			Person injured in unspecified motor-vehicle accident, nontraffic
	V89.1	x			Person injured in unspecified nonmotor-vehicle accident, nontraffic
	V89.2	x			Person injured in unspecified motor-vehicle accident, traffic
	V89.3	x			Person injured in unspecified nonmotor-vehicle accident, traffic
	V89.9	x			Person injured in unspecified vehicle accident
V90-V94	V90	x	x	x	Accident to watercraft causing drowning and submersion
Water transport accidents	V91	x	x	x	Accident to watercraft causing other injury
	V92	x	x	x	Water-transport-related drowning and submersion without accident to watercraft
	V93	x	x		Accident on board watercraft without accident to watercraft, not causing drowning and submersion
	V94	x	x	x	Other and unspecified water transport accidents
	V90-V94				
	.0	x	x	x	Merchant ship
	.1	x	x		Passenger ship (Ferry, Liner)
	.2	x	x	x	Fishing boat
	.3	x	x	x	Other powered watercraft
	.4	x	x	x	Sailboat
	.5	x	x	x	Canoe or kayak
	.6	x	x	x	Inflatable craft (nonpowered)
	.7	x	x	x	Water-skis
	.8	x	x	x	Other unpowered watercraft
	.9	x	x	x	Unspecified watercraft
V96 and V97.2	V96				Accident to nonpowered aircraft causing injury to occupant
Air and space transport accidents	V96.0	x	x		Balloon accident injuring occupant
	V96.1	x	x	x	Hang-glider accident injuring occupant

	V96.2	x	x	x	Glider (nonpowered) accident injuring occupant
	V96.8	x	x	x	Other nonpowered-aircraft accidents injuring occupant
	V96.9	x	x	x	Unspecified nonpowered-aircraft accident injuring occupant
	V97				Other specified air transport accidents
	V97.2	x	x	x	Parachutist injured in air transport accident
V98 Other and unspecified transport accidents	V98		x	x	Other specified transport accidents
W02, W21, W67, W68, W69, W70, W73, W74 and X36	W02	x	x	x	Fall involving ice-skates, skis, roller-skates or skateboards
	W09		x		Fall involving playground equipment
Other external causes of accidental injury	W16		x	x	Diving or jumping into water causing injury other than drowning or submersion
	W21	x	x	x	Striking against or struck by sports equipment
	W67	x	x	x	Drowning and submersion while in swimming-pool
	W68	x	x	x	Drowning and submersion following fall into swimming-pool
	W69	x	x	x	Drowning and submersion while in natural water
	W70	x	x	x	Drowning and submersion following fall into natural water
	W73	x		x	Other specified drowning and submersion
	W74	x		x	Unspecified drowning and submersion
	W94		x	x	Exposure to high and low air pressure and changes in air pressure
	X36	x		x	Victim of avalanche, landslide and other earth movements

DB: BCQ sport and recreation deaths database

SS: subscription service

DB: final 2006-2019 sport and recreation deaths analysed database

[\\*https://icd.who.int/browse10/2010/en](https://icd.who.int/browse10/2010/en)