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UNIVERSITY OF OTAGO

IPRU FACTSHEET



Causes of injury by age

These tables show the major causes of injury resulting in death or hospitalisation in New Zealand by age. This factsheet supersedes IPRU Factsheet 42.

DEATHS

Ten Leading Causes of Injury Resulting in Death - New Zealand 2011-2015

Rank	Age Groups (Years)												All Ages
	<5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
1	Suffocation 49.6%	Other Transport 25.0%	Self-inflicted 35.1%	Self-inflicted 49.7%	Self-inflicted 44.5%	Self-inflicted 44.0%	Self-inflicted 41.3%	Self-inflicted 41.8%	Self-inflicted 33.8%	Fall 29.6%	Fall 61.0%	Fall 83.7%	Self-inflicted 27.7%
2	Drowning 12.0%	MVT Occupant 14.6%	MVT Occupant 19.2%	MVT Occupant 23.8%	MVT Occupant 23.3%	MVT Occupant 15.3%	Poisoning 11.6%	Poisoning 12.0%	MVT Occupant 11.5%	Self-inflicted 17.9%	Self-inflicted 9.9%	Self-inflicted 3.0%	Fall 27.5%
3	Assault 11.2%	Pedestrian 14.6%	Cyclist 6.4%	Drowning 4.4%	Drowning 5.1%	Poisoning 6.4%	MVT Occupant 11.1%	MVT Occupant 9.9%	Fall 9.9%	MVT Occupant 14.3%	MVT Occupant 8.3%	Other Specified 2.7%	MVT Occupant 11.3%
4	Pedestrian 9.5%	Assault 8.3%	Drowning 6.4%	Pedestrian 3.8%	Assault 4.5%	Natural/Environmental 6.3%	MVT Motocyclist 4.7%	Other Transport 5.1%	Poisoning 7.9%	Other Specified 6.1%	Other Specified 3.1%	MVT Occupant 2.4%	Poisoning 5.3%
5	MVT Occupant 6.2%	Suffocation 8.3%	Other Transport 6.4%	Poisoning 3.3%	Natural/Environmental 3.8%	Assault 4.8%	Assault 4.5%	Fall 4.4%	Other Transport 5.8%	Other Transport 5.2%	Suffocation 3.1%	Suffocation 2.1%	Other Transport 3.2%
6	Natural/Environmental 2.5%	Drowning 6.3%	Pedestrian 4.3%	Other Transport 2.8%	MVT Motocyclist 3.4%	Drowning 4.2%	Drowning 4.5%	MVT Motocyclist 4.1%	Other Specified 4.1%	Suffocation 4.2%	Pedestrian 2.4%	Pedestrian 1.2%	Suffocation 3.2%
7	Struck by or against 2.1%	Fire/Flame 6.3%	Suffocation 4.3%	Natural/Environmental 2.3%	Fall 2.8%	Other Transport 3.2%	Natural/Environmental 4.1%	Assault 3.7%	MVT Motocyclist 3.5%	Poisoning 3.4%	Natural/Environmental 1.8%	Natural/Environmental 0.7%	Drowning 3.1%
8	Other Transport 1.2%	Poisoning 4.2%	Fall 3.2%	Assault 2.1%	Pedestrian 2.6%	MVT Motocyclist 3.0%	Other Transport 3.8%	Other Specified 3.7%	Assault 3.4%	Drowning 2.7%	Poisoning 1.7%	Struck by or against 0.6%	Assault 2.9%
9	Poisoning 1.2%	Struck by or against 4.2%	Natural/Environmental 3.2%	Fall 2.1%	Other Transport 2.5%	Fall 2.7%	Undetermined 2.5%	Drowning 2.9%	Drowning 3.4%	Pedestrian 2.7%	Other Transport 1.4%	Poisoning 0.5%	Other Specified 2.8%
10	Fall 0.8%	Caught between 2.1%	Undetermined 3.2%	MVT Motocyclist 1.9%	Poisoning 2.3%	Pedestrian 2.4%	Other Specified 2.3%	Natural/Environmental 2.6%	Natural/Environmental 3.3%	Assault 2.3%	Drowning 1.3%	Other Transport 0.3%	Natural/Environmental 2.8%
All Other	3.7%	6.3%	8.5%	3.8%	5.1%	7.8%	9.6%	9.8%	13.7%	11.7%	6.0%	3.1%	10.3%
Unspecified	2.1%	0.0%	1.1%	0.0%	0.0%	0.1%	0.5%	0.3%	0.1%	0.9%	1.3%	2.0%	0.8%
Total	242	48	94	575	683	973	1,075	1,188	951	709	1,042	1,792	9,372

Data Source: Mortality Collection, New Zealand Ministry of Health
The information in this table excludes deaths resulting from 'adverse effects of drugs and medical procedures' or 'Legal intervention/War'.
See overleaf for a description of abbreviations

Prepared by B de Graaf, D Barson, & G Davie: June 2019.

FOR FURTHER INFORMATION CONTACT

Injury Prevention Research Unit | Department of Preventive and Social Medicine | Dunedin School of Medicine
PO Box 913 | Dunedin 9054 | New Zealand | Tel 64 3 479 7202
Email ipru.statsenquiry@otago.ac.nz | www.otago.ac.nz/ipru

HOSPITALISATIONS

Ten Leading Causes of Injury Resulting in Hospitalisation - New Zealand 2013-2017

Age Groups (Years)

Rank	<5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	All Ages
1	Fall 40.7%	Fall 60.7%	Fall 41.3%	Self-inflicted 24.0%	Fall 18.8%	Fall 20.1%	Fall 21.4%	Fall 27.9%	Fall 42.3%	Fall 60.5%	Fall 78.7%	Fall 88.6%	Fall 44.9%
2	Caught between 9.7%	Struck by or against 6.0%	Struck by or against 9.4%	Fall 19.2%	Self-inflicted 16.1%	Self-inflicted 12.6%	Self-inflicted 13.0%	Self-inflicted 11.0%	Cut/Pierce 6.3%	Over-exertion 5.7%	Over-exertion 4.2%	Over-exertion 2.1%	Self-inflicted 7.9%
3	Poisoning 8.5%	Cut/Pierce 5.8%	Self-inflicted 8.6%	Struck by or against 8.3%	Cut/Pierce 9.7%	Cut/Pierce 9.5%	Cut/Pierce 8.6%	Cut/Pierce 7.2%	Over-exertion 6.0%	MVT Occupant 4.9%	MVT Occupant 3.5%	MVT Occupant 1.8%	Cut/Pierce 5.6%
4	Hot object/substance 7.6%	Cyclist 4.4%	Other Transport 7.2%	MVT Occupant 7.7%	MVT Occupant 9.0%	Assault 8.5%	Over-exertion 7.1%	Over-exertion 6.5%	Self-inflicted 5.9%	Cut/Pierce 3.9%	Struck by or against 1.9%	Struck by or against 1.7%	Struck by or against 5.1%
5	Struck by or against 6.2%	Caught between 4.3%	Cut/Pierce 6.3%	Cut/Pierce 7.5%	Assault 8.4%	Struck by or against 8.0%	Assault 6.8%	Other Transport 5.7%	MVT Occupant 5.5%	Struck by or against 2.9%	Poisoning 1.7%	Poisoning 0.9%	MVT Occupant 4.9%
6	Foreign body 4.7%	Natural/Environmental 3.8%	Cyclist 6.1%	Assault 5.8%	Struck by or against 7.8%	MVT Occupant 7.6%	Struck by or against 6.2%	MVT Occupant 5.3%	Cyclist 4.2%	Natural/Environmental 2.8%	Natural/Environmental 1.1%	Foreign body 0.6%	Over-exertion 4.6%
7	Natural/Environmental 4.5%	Other Transport 2.8%	Over-exertion 4.7%	Other Transport 5.5%	Other Transport 5.4%	Over-exertion 5.8%	MVT Occupant 5.7%	Cyclist 5.1%	Other Transport 4.0%	Cyclist 2.3%	Cut/Pierce 1.1%	Natural/Environmental 0.5%	Other Transport 3.6%
8	Cut/Pierce 3.3%	Pedestrian 1.9%	Natural/Environmental 2.4%	Over-exertion 3.8%	Over-exertion 4.4%	Other Transport 5.2%	Other Transport 5.6%	Struck by or against 4.7%	Struck by or against 3.7%	Other Transport 2.2%	Foreign body 1.1%	Pedestrian 0.5%	Assault 3.5%
9	Suffocation 2.0%	Foreign body 1.8%	MVT Occupant 2.1%	Cyclist 3.5%	MVT Motocyclist 2.9%	Cyclist 3.3%	Cyclist 4.5%	Assault 4.7%	Natural/Environmental 3.6%	Self-inflicted 2.2%	Pedestrian 0.8%	Self-inflicted 0.4%	Cyclist 3.0%
10	Assault 1.5%	MVT Occupant 1.6%	Assault 1.5%	MVT Motocyclist 2.0%	Cyclist 2.6%	Natural/Environmental 3.0%	Natural/Environmental 3.9%	Natural/Environmental 4.2%	MVT Motocyclist 2.5%	Poisoning 2.2%	Self-inflicted 0.8%	Other Transport 0.3%	Natural/Environmental 2.7%
All Other	11.2%	7.0%	10.4%	12.7%	15.0%	16.5%	17.2%	18.0%	16.0%	10.5%	5.1%	2.6%	14.2%
Unspecified	3.4%	1.3%	1.9%	1.9%	2.0%	2.4%	2.4%	2.3%	2.2%	2.0%	1.7%	1.3%	2.0%
Total	12,722	12,707	12,689	19,420	19,474	27,645	23,678	26,647	24,451	23,044	28,512	30,739	261,728

Data Source: National Minimum Data Set, New Zealand Ministry of Health

<https://www.health.govt.nz/nz-health-statistics/health-statistics-and-data-sets/publicly-funded-hospital-discharges-series>

Cause of injury	Description	Cause of injury	Description
Caught between	Injuries from being caught in or between objects		
Cut/Pierce	Injuries caused by cutting and piercing instruments or objects		injury caused by animals, lightning, cataclysmic storms, floods, earth surface movements, or other and unspecified environmental cause
Cyclist	Rider or passenger on a pedal cycle involved in a crash on or off a public road	Other Transport	Injury from a transport crash excluding a motor vehicle on a public road, e.g. water transport, aircraft, motor vehicles not on a public road, and animals being ridden
Drowning	Injury from submersion while engaged in sport or recreational activities, while swimming, in bathtub, or following a water transport crash	Overexertion	Injury from overexertion and strenuous movement e.g. lifting, pulling, pushing, excessive physical exercise
Fall	Injury resulting from a fall, e.g. from stairs, tripping, slipping, or from playground equipment	Pedestrian	Any person involved in a crash on or off a public road who was not at the time of the accident riding in or on a motor vehicle, railway train, tram, animal-drawn or other vehicle, or on a pedal cycle or animal
Fire/Flame	Injury caused by fire and flames e.g. conflagration in private dwelling, conflagration in other building or structure, ignition of clothing, ignition of highly flammable material	Poisoning	Poisoning by drugs, medicinal substances, biological, other solid and liquid substances, gases or vapours
Assault	Injury purposely inflicted by other persons	Self-Inflicted	Injury resulting from intentional self-harm
Hot object/Substance	Injuries caused by hot substance or object, caustic or corrosive material and steam	Struck by or against	Injury from being struck by a falling object, or striking against, or being struck by objects or persons
Machinery	Injury caused by machinery	Other specified	All other specified causes of unintentional injury
MVT Occupant	Driver or passenger of a motorised transport vehicle, including car, van, truck, bus etc involved in a crash on a public road	Unspecified	Where the cause of unintentional injury has not been specified in the coding
Natural/Environmental	Injuries from natural and environmental factors, e.g. excessive heat, excessive cold, hunger, neglect, venomous animals and plants, other		

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