



These tables show the major causes of injury resulting in death or hospitalisation in New Zealand by age. Injury is a leading cause of death for all, but the relative importance of the mechanism of injury varies. This fact sheet updates IPRU Fact Sheet No 29.

## DEATHS

### Ten Leading Causes of Injury Resulting in Death\* – New Zealand 1998-2002

#### Age Groups (years)

Rank	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
<b>1</b>	Suffocation 27.8%	Pedestrian 23.3%	MVT Occupant 23.8%	MVT Occupant 41.0%	Suicide 42.6%	Suicide 42.9%	Suicide 44.4%	Suicide 37.9%	Suicide 35.9%	Suicide 26.1%	Fall 49.1%	Fall 77.3%	Suicide 31.2%
<b>2</b>	Drowning 19.2%	MVT Occupant 19.6%	Suicide 14.5%	Suicide 34.5%	MVT Occupant 30.8%	MVT Occupant 23.0%	MVT Occupant 20.4%	MVT Occupant 24.3%	MVT Occupant 22.0%	MVT Occupant 26.1%	MVT Occupant 16.3%	Suicide 3.2%	MVT 22.3%
<b>3</b>	Pedestrian 13.5%	Cyclist 12.1%	Cyclist 9.9%	Pedestrian 4.3%	Homicide 5.1%	Drowning 5.1%	Homicide 4.6%	Other Transport 8.0%	Fall 7.0%	Fall 19.3%	Suicide 14.1%	MVT Occupant 3.2%	Fall 15.9%
<b>4</b>	MVT Occupant 13.2%	Fire 11.2%	Drowning 9.3%	Drowning 3.3%	Drowning 3.8%	Other Transport 4.9%	Other Transport 6.2%	Fall 5.6%	Drowning 6.0%	Other Transport 5.4%	Pedestrian 5.3%	Pedestrian 3.1%	Other Transport 4.4%
<b>5</b>	Homicide 11.3%	Other Transport 10.2%	Other Transport 9.3%	Other Transport 2.9%	MVT Motorcyclist 3.7%	MVT Motorcyclist 4.8%	Drowning 4.4%	Drowning 4.8%	Homicide 4.6%	Pedestrian 5.1%	Suffocation 1.8%	Suffocation 1.2%	Drowning 4.4%
<b>6</b>	Fire 7.1%	Homicide 9.3%	Pedestrian 8.1%	MVT Motorcyclist 2.6%	Other Transport 2.8%	Homicide 4.5%	Pedestrian 3.7%	Pedestrian 3.3%	Other Transport 6.0%	Homicide 2.2%	Fire 1.8%	Struck By, Against 0.9%	Pedestrian 4.3%
<b>7</b>	Struck By, Against 1.9%	Drowning 9.3%	Fall 5.2%	Homicide 2.4%	Fall 2.1%	Fall 3.0%	MVT Motorcyclist 3.2%	Homicide 3.2%	Pedestrian 4.6%	Suffocation 1.5%	Other Transport 1.5%	Fire 0.7%	Homicide 3.6%
<b>8</b>	Hot Object / Scald 1.5%	Fall 0.9%	Suffocation 5.2%	Fall 2.4%	Pedestrian 1.8%	Pedestrian 2.5%	Fall 3.1%	Poisoning 1.7%	MVT Motorcyclist 1.8%	Poisoning 1.4%	Drowning 1.3%	Drowning 0.5%	MVT Motorcyclist 2.2%
<b>9</b>	Other Transport 1.1%	Poisoning 0.9%	Homicide 4.1%	Poisoning 2.3%	Poisoning 1.6%	Poisoning 2.2%	Poisoning 2.1%	Suffocation 1.4%	Natural/ Environmental 1.6%	Fire 1.1%	Natural/ Environmental 1.0%	Natural/ Environmental 0.5%	Suffocation 2.0%
<b>10</b>	Fall 0.8%	Suffocation 0.9%	Poisoning 2.3%	Cyclist 0.9%	Struck By, Against 0.9%	Machinery 1.0%	Fire 1.3%	MVT Motorcyclist 1.4%	Poisoning 1.4%	Natural/ Environmental 0.9%	Struck By, Against 0.2%	Hot Object/ Scald 0.5%	Poisoning 1.5%
<b>All other Specified</b>	2.3%	2.1%	8.2%	3.4%	4.7%	6.0%	6.1%	8.0%	8.7%	10.5%	6.2%	5.2%	7.5%
<b>Unspecified</b>	0.4%	0.0%	0.0%	0.0%	0.1%	0.1%	0.5%	0.4%	0.3%	0.5%	1.4%	3.6%	0.7%
<b>Total(N)</b>	266	107	172	698	763	1453	1195	815	613	591	711	803	8187

Data Source: New Zealand Health Information Service Mortality Collection

\* The data on which this table is based include all deaths with a primary diagnosis of injury and exclude those resulting from adverse effects due to drugs and medical procedures.

# HOSPITALISATIONS

## Ten Leading Causes of Injury Resulting in Hospitalisation\* – New Zealand 2000 - 2004 Age Groups (years)

Rank	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
1	Fall 39.1%	Fall 62.3%	Fall 43.5%	Fall 19.2%	Fall 19.0%	Fall 18.4%	Fall 20.2%	Fall 27.9%	Fall 41.1%	Fall 59.1%	Fall 76.6%	Fall 87.3%	Fall 40.5%
2	Poisoning 10.3%	Cut/Pierce 6.3%	Struck By, Against 9.2%	MVT Occupant 13.9%	Cut/Pierce 11.4%	Self Inflicted 11.9%	Self Inflicted 13.0%	Cut/Pierce 10.2%	Cut/Pierce 8.0%	MVT Occupant 6.6%	Over exertion 4.7%	Over exertion 2.1%	Cut/Pierce 7.7%
3	Caught Between 10.1%	Cyclist 6.1%	Cyclist 9.1%	Self Inflicted 11.3%	Self Inflicted 11.2%	Cut/Pierce 11.7%	Cut/Pierce 11.0%	Self Inflicted 9.3%	MVT Occupant 7.9%	Over exertion 6.5%	MVT Occupant 3.8%	Struck By, Against 2.0%	MVT Occupant 6.5%
4	Hot Object/ Scald 7.8%	Struck By, Against 5.7%	Other Transport 8.0%	Cut/Pierce 10.7%	MVT Occupant 10.8%	MVT Occupant 8.4%	MVT Occupant 7.5%	MVT Occupant 8.3%	Over exertion 6.4%	Cut/Pierce 4.2%	Struck By, Against 2.3%	MVT Occupant 1.7%	Self Inflicted 6.3%
5	Struck By, Against 6.1%	Caught Between 3.7%	Cut/Pierce 7.9%	Struck By, Against 8.7%	Assault 9.9%	Struck By, Against 8.3%	Other Transport 6.7%	Other Transport 5.9%	Other Transport 4.5%	Struck By, Against 3.3%	Poisoning 1.3%	Poisoning 0.8%	Struck By, Against 6.0%
6	Cut/Pierce 4.2%	Other Transport 2.9%	MVT Occupant 2.9%	Assault 8.3%	Struck By, Against 8.6%	Assault 8.1%	Assault 6.4%	Over exertion 5.4%	Struck By, Against 4.4%	Other Transport 2.5%	Pedestrian 1.2%	Pedestrian 0.7%	Other Transport 4.6%
7	Natural/ Environmental 3.5%	Natural/ Environmental 2.6%	Self Inflicted 2.5%	Other Transport 6.3%	Other Transport 6.1%	Other Transport 6.5%	Struck By, Against 6.3%	Struck By, Against 4.9%	Self Inflicted 4.0%	Natural/ Environmental 2.4%	Cut/Pierce 1.2%	Natural/ Environmental 0.6%	Assault 4.0%
8	Pedestrian 2.9%	Pedestrian 2.4%	Over exertion 2.3%	Cyclist 3.0%	Over exertion 3.4%	Over exertion 4.8%	Over exertion 5.7%	Machinery 4.2%	Machinery 3.6%	Self Inflicted 1.9%	Natural/ Environmental 1.2%	Foreign Body 0.5%	Over exertion 3.8%
9	Foreign Body 2.6%	MVT Occupant 1.8%	Pedestrian 1.8%	Over exertion 2.4%	Machinery 2.5%	Machinery 3.2%	Machinery 3.7%	Natural/ Environmental 3.7%	Natural/ Environmental 3.5%	Poisoning 1.9%	Foreign Body 1.1%	Cut/Pierce 0.4%	Cyclist 2.7%
10	MVT Occupant 1.9%	Hot Object/ Scald 0.9%	Assault 1.7%	Motorcyclist 2.4%	Motorcyclist 2.4%	Motorcyclist 2.7%	Natural/ Environmental 3.2%	Assault 3.3%	Poisoning 2.2%	Foreign Body 1.7%	Other Transport 1.0%	Other Transport 0.4%	Natural/ Environmental 2.4%
All other	8.9%	4.3%	9.5%	11.8%	12.2%	13.9%	14.1%	14.7%	12.2%	7.4%	3.4%	1.5%	13.5%
Unspecified	2.5%	0.9%	1.7%	2.1%	2.4%	2.2%	2.1%	2.1%	2.2%	2.4%	2.2%	1.9%	2.0%
<b>Total (n)</b>	14313	16913	15943	18121	16132	26777	23974	17711	13387	12845	19607	14677	210400

Data Source: New Zealand Health Information Service National Minimum Data Set

\* The data on which this table is based include all discharges from public hospitals with a primary diagnosis of injury and exclude the following: readmissions for prior injury, stays of less than one day, those discharged dead, and adverse effects due to drugs or medical procedures.

Cause of injury	Description	Cause of injury	Description
Unintentional unless otherwise stated			
Caught Between	Injuries from being caught in or between objects	Natural/ Environmental	Injuries from natural and environmental factors, e.g. excessive heat, excessive cold, hunger, neglect, venomous animals and plants, other injury caused by animals, lightning, cataclysmic storms, floods, earth surface movements, or other and unspecified environmental cause
Cut/Pierce	Injuries caused by cutting and piercing instruments or objects	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
Cyclist	Rider or passenger on a pedal cycle involved in a crash on or off a public road	Overexertion	Injury from overexertion and strenuous movement e.g. lifting, pulling, pushing, excessive physical exercise
Drowning/ Submersion	Injury from submersion while engaged in sport or recreational activities, while swimming, in bathtub, or following a water transport crash	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
Fall	Injury resulting from a fall, e.g. from stairs, tripping, slipping, or from playground equipment	Poisoning	Poisoning by drugs, medicinal substances, biological, other solid and liquid substances, gases or vapours
Fire	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	Self-Inflicted /Suicide	Injury resulting from intentional self-harm
Foreign Body	Foreign body entering eye or other orifice	Struck By Against	Injury from being struck by a falling object, or striking against, or being struck by objects or persons.
Homicide/Assault	Injury purposely inflicted by other persons	Other specified	All other specified causes of unintentional injury
Hot Object/Scald	Injuries caused by hot substance or object, caustic or corrosive material and steam	Unspecified	Where the cause of unintentional injury has not been specified in the coding
Machinery	Injury caused by machinery		
MVT Motorcyclist	Rider or passenger of a motorcycle involved in a crash on a public road		
MVT Occupant	Driver or passenger of a motorised transport vehicle, including car, van, truck, bus etc involved in a crash on a public road		

These tables are based on the ICD9 and ICD10 Revised Frameworks of E-code Groupings provided by the National Centre of Injury Prevention and Control. Minor modifications have been made by the IPRU to enable the ICD9 and the ICD10 frameworks to be comparable.

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