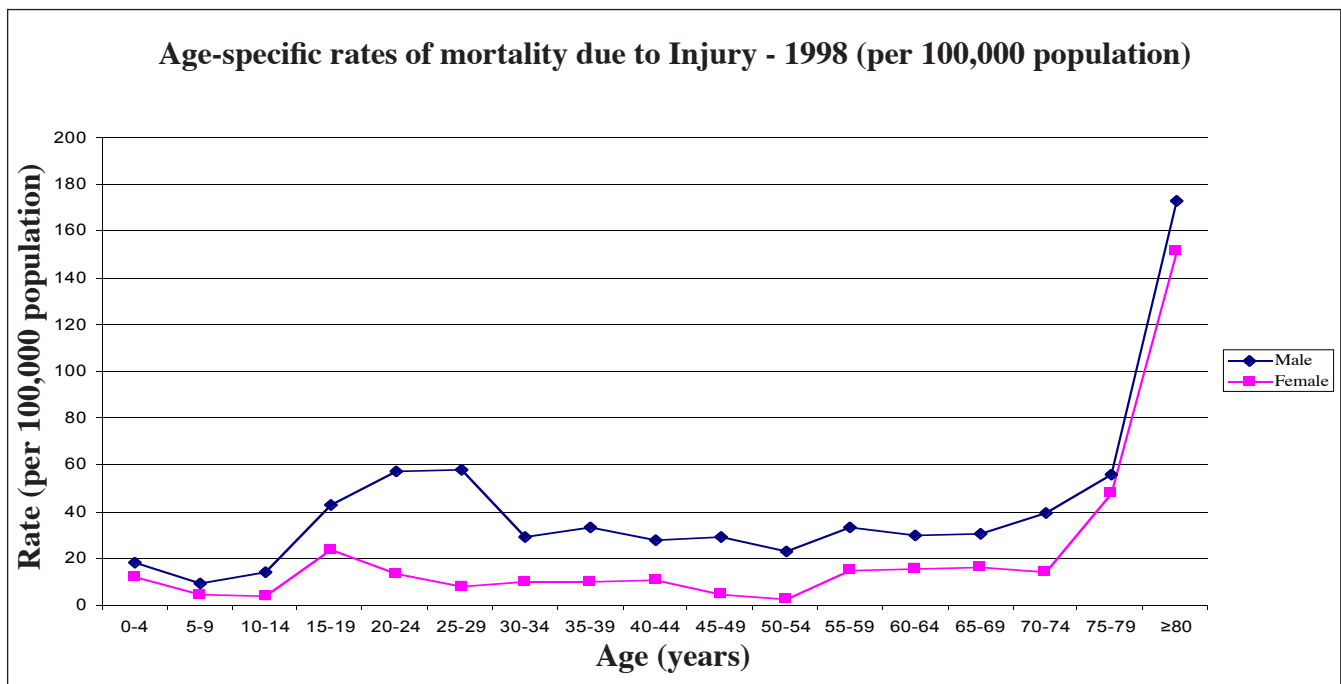


## Unintentional Injury: Age and Gender

This fact sheet presents the age and gender specific rates of unintentional injury resulting in death and hospitalisation in New Zealand.

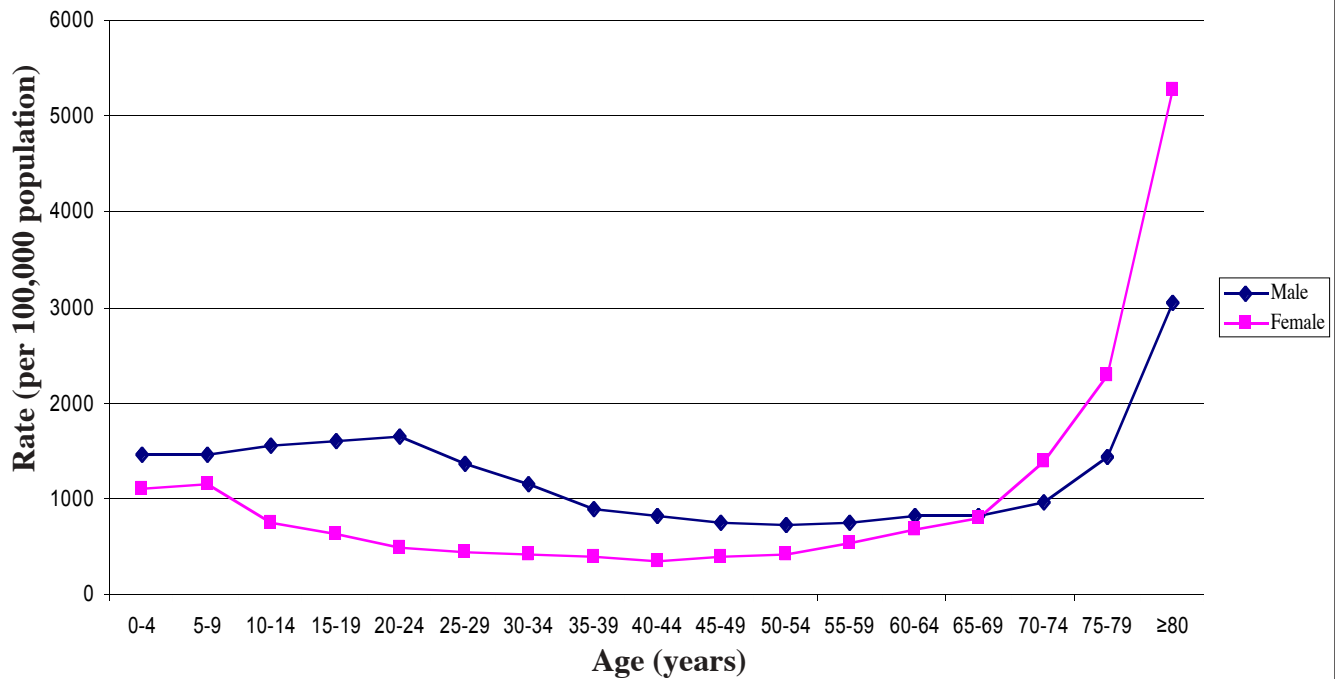


### Mortality due to Unintentional Injury - 1998: Frequency, Percent, Rates

Age (years)	Frequency			Percent			Rate (per 100,000)		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	28	17	45	4.3	5.3	4.7	19	12	15.5
5-9	15	7	22	2.3	2.2	2.3	10	5	7.2
10-14	21	6	27	3.3	1.9	2.8	15	4	9.7
15-19	60	32	92	9.3	10.1	9.6	43	24	34.0
20-24	77	18	95	11.9	5.7	9.9	58	14	35.8
25-29	79	12	91	12.2	3.8	9.4	58	8	32.4
30-34	42	16	58	6.5	5.0	6.0	30	11	19.8
35-39	51	16	67	7.9	5.0	7.0	34	10	21.7
40-44	38	15	53	5.9	4.7	5.5	28	11	19.1
45-49	37	6	43	5.7	1.9	4.5	29	5	17.1
50-54	25	3	28	3.9	0.9	2.9	23	3	12.9
55-59	29	13	42	4.5	4.1	4.4	33	15	24.0
60-64	21	11	32	3.3	3.5	3.3	30	16	22.8
65-69	20	11	31	3.1	3.5	3.2	31	16	23.4
70-74	22	9	31	3.4	2.8	3.2	40	14	26.4
75-79	21	25	46	3.3	7.9	4.8	56	48	51.4
≥80	59	101	160	9.1	31.8	16.6	173	151	158.8
<b>Total</b>	<b>645</b>	<b>318</b>	<b>963</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>35</b>	<b>17</b>	<b>25.4</b>

- The rates of mortality due to unintentional injury for males exceed those for females for all age groups although the differences early and later in life are not large.
- Falls are a substantial contributor to the high rates of unintentional deaths among the ≥80 year age group: 64% for females, 53% for males.
- The peak in rates for males in the 20-24 and 25-29 age groups is largely influenced by motor vehicle traffic crashes, which account for 64% of all unintentional injury deaths in 20-29 age group.
- The relatively high rate in females aged 15-19 years is due to motor vehicle traffic crashes (88% of the injuries to females in this age group).
- 66% of all injury deaths were males.
- 32% of all female injury deaths is among those ≥80 years of age.
- 24% of all male injury deaths is among those 20-29 years.

## Age-specific rates of hospitalisation\* due to unintentional injury - 1998 (per 100,000 population)



\* Includes all discharges from public hospitals with a primary diagnosis of unintentional injury (ICD E codes 800-869 and 880-929). It excludes the following: readmissions for prior injury, stays of less than one day, patients who died and patients whose injury was due to: assault, suicide, injury undetermined, medical/surgical complications, medical misadventure, adverse effects due to drugs, legal interventions and operations of war.

### Hospitalisations due to Unintentional Injury - 1998: Frequency, Percent, Rates

Age (years)	Frequency			Percent			Rate (per 100,000)		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	2203	1584	3787	9.7	9.7	9.7	1477	1123	1305
5-9	2311	1720	4031	10.1	10.5	10.3	1474	1158	1320
10-14	2229	1038	3267	9.8	6.3	8.3	1563	770	1178
15-19	2236	829	3065	9.8	5.1	7.8	1605	630	1131
20-24	2203	672	2875	9.7	4.1	7.3	1651	509	1083
25-29	1878	653	2531	8.2	4.0	6.5	1376	452	901
30-34	1633	647	2280	7.2	4.0	5.8	1151	429	779
35-39	1370	650	2020	6.0	4.0	5.2	909	411	654
40-44	1127	509	1636	4.9	3.1	4.2	826	363	591
45-49	944	500	1444	4.1	3.1	3.7	752	398	575
50-54	793	456	1249	3.5	2.8	3.2	728	420	574
55-59	651	484	1135	2.9	3.0	2.9	748	551	649
60-64	580	495	1075	2.5	3.0	2.7	836	699	767
65-69	536	545	1081	2.3	3.3	2.8	827	807	817
70-74	536	870	1406	2.3	5.3	3.6	975	1389	1195
75-79	541	1196	1737	2.4	7.3	4.4	1447	2297	1942
≥80	1041	3529	4570	4.6	21.5	11.7	3061	5286	4535
<b>Total</b>	<b>22812</b>	<b>16377</b>	<b>39189</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>1221</b>	<b>851</b>	<b>1033</b>

- The rates of hospitalisation due to unintentional injury for males exceed those for females for all age groups up to 65-69 years. Thereafter the female rates exceed those for males.
- Falls are a substantial contributor to the high rates of injuries among those ≥80 (85.6% for females, 79.2% for males).
- The rates of hospitalisation peak among males at age 20-24 years. The rate then declines and stays relatively stable until it increases dramatically from age 65-69 onwards.
- The female rates decline after age 5-9 years. At age 50-54 years they increase again.
- Males account for 58% of the total hospitalisations due to unintentional injury
- 22% of all female injury is among those ≥80 of age.
- For males there is no comparable dominant age group. Each five year age group from birth to 24 years accounts for 10% of all injury.

Data source: Morbidity (1998) and Mortality (1998), New Zealand Health Information Service, Wellington

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