

Section 5

Pedal Cyclist Casualties and Crashes

Table 36

**Pedal Cyclist Casualties and Population Statistics - Historical
Year ending 31 December**

| Year | Population | Injured | Killed | ----- Per 100 000 Population ----- | |
|------|------------|---------|--------|------------------------------------|--------|
| | | | | Injured | Killed |
| 1970 | 2852100 | 1041 | 28 | 36.5 | 1.0 |
| 1971 | 2898500 | 1083 | 29 | 37.4 | 1.0 |
| 1972 | 2959700 | 1029 | 22 | 34.8 | 0.7 |
| 1973 | 3024900 | 1018 | 30 | 33.7 | 1.0 |
| 1974 | 3091900 | 969 | 26 | 31.3 | 0.8 |
| 1975 | 3143700 | 745 | 18 | 23.7 | 0.6 |
| 1976 | 3163400 | 736 | 14 | 23.3 | 0.4 |
| 1977 | 3166400 | 631 | 21 | 19.9 | 0.7 |
| 1978 | 3165200 | 588 | 30 | 18.6 | 0.9 |
| 1979 | 3163900 | 623 | 15 | 19.7 | 0.5 |
| 1980 | 3164100 | 745 | 22 | 23.5 | 0.7 |
| 1981 | 3195800 | 748 | 21 | 23.4 | 0.7 |
| 1982 | 3229800 | 881 | 30 | 27.3 | 0.9 |
| 1983 | 3269500 | 900 | 19 | 27.5 | 0.6 |
| 1984 | 3299500 | 958 | 31 | 29.0 | 0.9 |
| 1985 | 3311200 | 1106 | 21 | 33.4 | 0.6 |
| 1986 | 3316700 | 1012 | 22 | 30.5 | 0.7 |
| 1987 | 3349100 | 1051 | 18 | 31.4 | 0.5 |
| 1988 | 3356200 | 1081 | 20 | 32.2 | 0.6 |
| 1989 | 3384510 | 1051 | 20 | 31.1 | 0.6 |
| 1990 | 3429100 | 1054 | 27 | 30.7 | 0.8 |
| 1991 | 3449700 | 1000 | 22 | 29.0 | 0.6 |
| 1992 | 3485400 | 941 | 17 | 27.0 | 0.5 |
| 1993 | 3524800 | 910 | 17 | 25.8 | 0.5 |
| 1994 | 3577200 | 882 | 15 | 24.7 | 0.4 |
| 1995 | 3643200 | 813 | 15 | 22.3 | 0.4 |
| 1996 | 3717400 | 754 | 13 | 20.3 | 0.3 |
| 1997 | 3761100 | 724 | 12 | 19.2 | 0.3 |
| 1998 | 3790900 | 626 | 16 | 16.5 | 0.4 |
| 1999 | 3810700 | 619 | 8 | 16.2 | 0.2 |
| 2000 | 3830800 | 559 | 19 | 14.6 | 0.5 |
| 2001 | 3850100 | 696 | 10 | 18.1 | 0.3 |
| 2002 | 3939100 | 771 | 14 | 19.6 | 0.4 |
| 2003 | 4009200 | 722 | 6 | 18.0 | 0.1 |
| 2004 | 4060900 | 716 | 7 | 17.6 | 0.2 |

NOTE: Population from 1997 on is from Statistics NZ INFOS series DPEA.SDBC.

**Figure 22
Pedal Cyclists as a Percentage of All Road
Crash Casualties**

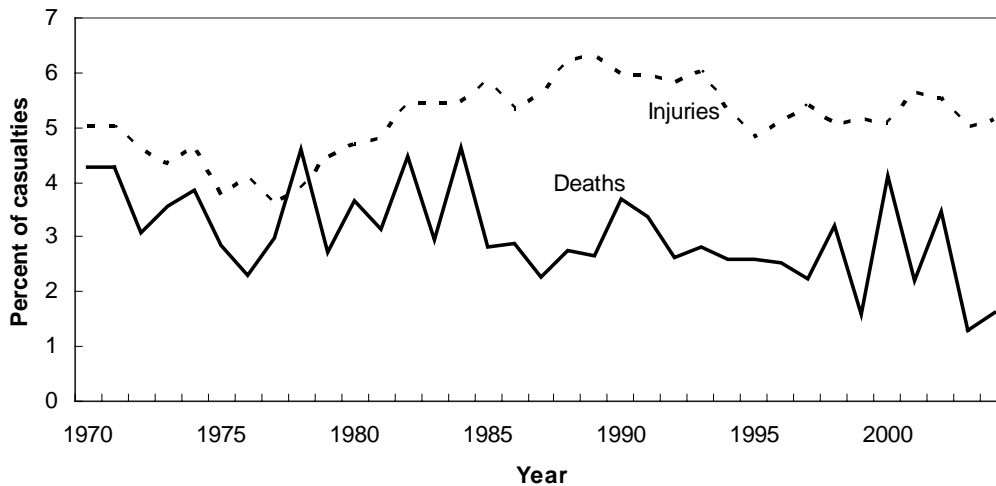


Table 37

**Pedal Cyclist Casualties and Population Statistics
by Age Groups
Year ended 31 December 2004**

| Age Groups | Population | Injured | Killed | ----- Per 100 000 Population ----- | |
|--------------|----------------|------------|----------|------------------------------------|------------|
| | | | | Injured | Killed |
| Under 5 | 282410 | 7 | 0 | 2.5 | 0.0 |
| 5 to 9 | 290950 | 43 | 0 | 14.8 | 0.0 |
| 10 to 14 | 312020 | 128 | 0 | 41.0 | 0.0 |
| 15 to 19 | 300400 | 75 | 1 | 25.0 | 0.3 |
| 20 to 24 | 286080 | 49 | 0 | 17.1 | 0.0 |
| 25 to 29 | 251570 | 54 | 1 | 21.5 | 0.4 |
| 30 to 34 | 292960 | 53 | 1 | 18.1 | 0.3 |
| 35 to 39 | 302940 | 47 | 0 | 15.5 | 0.0 |
| 40 to 44 | 319440 | 67 | 2 | 21.0 | 0.6 |
| 45 to 49 | 285260 | 53 | 0 | 18.6 | 0.0 |
| 50 to 54 | 250750 | 28 | 0 | 11.2 | 0.0 |
| 55 to 59 | 224470 | 24 | 0 | 10.7 | 0.0 |
| 60 to 64 | 176440 | 10 | 0 | 5.7 | 0.0 |
| 65 to 69 | 139350 | 10 | 0 | 7.2 | 0.0 |
| 70 to 74 | 120430 | 9 | 2 | 7.5 | 1.7 |
| 75 to 79 | 101210 | 8 | 0 | 7.9 | 0.0 |
| 80 and over | 124760 | 3 | 0 | 2.4 | 0.0 |
| Unknown age | 0 | 48 | 0 | - | - |
| Total | 4061440 | 716 | 7 | 17.6 | 0.2 |

NOTE: Population is the resident population as at 30 June. INFOS series DAEA.SJCG01 etc.

**Figure 23
Percentage of Cyclist Casualties by Age
and Gender**

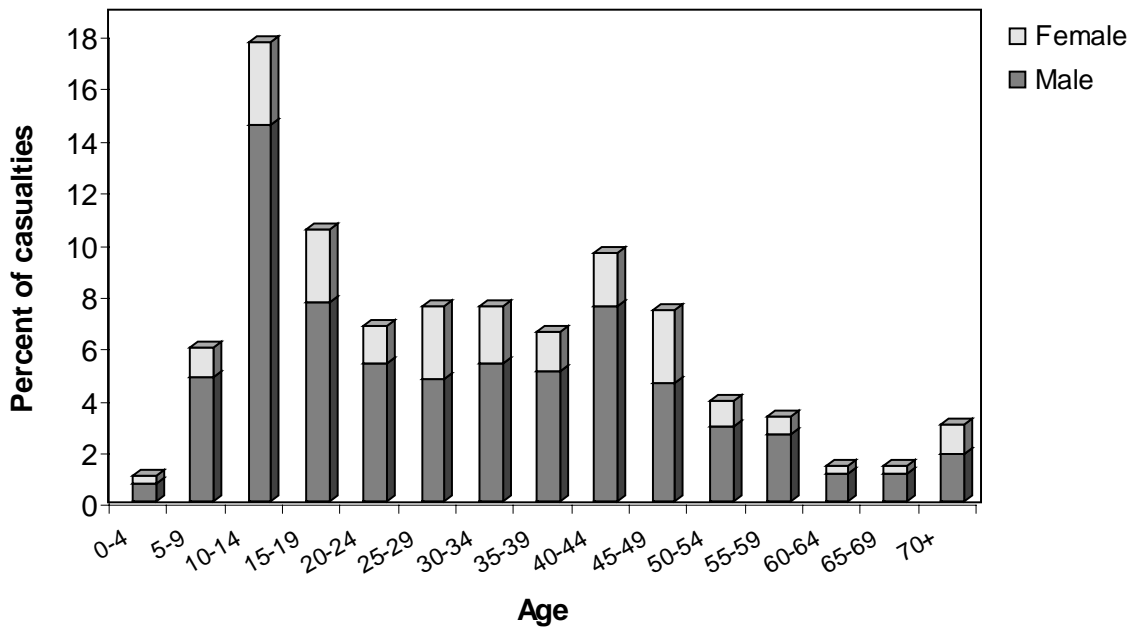


Table 38

**Movement Classification of Injury Crashes Involving Pedal Cyclists on Open and Urban Roads
Year ended 31 December 2004**

| Movement Classification | ----- URBAN ROADS ----- - | | | ----- OPEN ROADS ----- - | | | UNKN WN AREA | Total Number of Injury Crashes |
|-------------------------------|--------------------------------|---------------------------------------|----------------------------------|--------------------------------|---------------------------------------|----------------------------------|--------------------|---|
| | Number of Injury Crashes | As a % of all Injury Crashes | Number During Darknes s | Number of Injury Crashes | As a % of all Injury Crashes | Number During Darknes s | | |
| Overtaking or lane change | 45 | 6.4 | 6 | 9 | 1.3 | 3 | - | 54 |
| Head on (not overtaking) | 21 | 3.0 | 3 | 5 | 0.7 | 1 | - | 26 |
| LOSS CONTROL OR OFF ROAD: | | | | | | | | |
| On straight | 6 | 0.9 | 3 | 3 | 0.4 | - | - | 9 |
| While cornering | 4 | 0.6 | 1 | - | - | - | - | 4 |
| Collision with obstruction | 43 | 6.1 | 5 | 1 | 0.1 | - | - | 44 |
| Rear end | 25 | 3.5 | 3 | 10 | 1.4 | 3 | - | 35 |
| INTERSECTIONS OR DRIVEWAYS: | | | | | | | | |
| Turning versus same direction | 70 | 9.9 | 7 | 8 | 1.1 | 1 | - | 78 |
| Crossing no turns | 113 | 16.0 | 18 | 2 | 0.3 | 1 | - | 115 |
| Crossing vehicle turning | 102 | 14.5 | 22 | 7 | 1.0 | 1 | - | 109 |
| Vehicles merging | 58 | 8.2 | 7 | 4 | 0.6 | - | - | 62 |
| Right turn against | 104 | 14.8 | 26 | 5 | 0.7 | 1 | - | 109 |
| Vehicle manoeuvring | 55 | 7.8 | 7 | - | - | - | - | 55 |
| Pedestrian crossing road | 3 | 0.4 | 1 | - | - | - | - | 3 |
| Pedestrian other | 1 | 0.1 | - | - | - | - | - | 1 |
| Miscellaneous | - | - | - | 1 | 0.1 | - | - | 1 |
| TOTALS | 650 | 92.2 | 109 | 55 | 7.8 | 11 | - | 705 |

Note: This table does not include fatal crashes (see table 39)

Table 39

**Movement Classification of Fatal Crashes Involving Pedal Cyclists on Open and Urban Roads
Year ended 31 December 2004**

| Movement Classification | ----- URBAN ROADS ----- - | | | ----- OPEN ROADS ----- - | | | UNKN WN AREA | Total Number of Fatal Crashes |
|-------------------------------|-------------------------------|--------------------------------------|----------------------------------|-------------------------------|--------------------------------------|----------------------------------|--------------------|--|
| | Number of Fatal Crashes | As a % of all Fatal Crashes | Number During Darknes s | Number of Fatal Crashes | As a % of all Fatal Crashes | Number During Darknes s | | |
| Overtaking or lane change | 1 | 14.3 | 1 | - | - | - | - | 1 |
| Head on (not overtaking) | | | | | | | | |
| LOSS CONTROL OR OFF ROAD: | | | | | | | | |
| On straight | - | - | - | 1 | 14.3 | 1 | - | 1 |
| While cornering | - | - | - | - | - | - | - | - |
| Collision with obstruction | - | - | - | 1 | 14.3 | - | - | 1 |
| Rear end | | | | | | | | |
| INTERSECTIONS OR DRIVEWAYS: | | | | | | | | |
| Turning versus same direction | 1 | 14.3 | - | - | - | - | - | 1 |
| Crossing no turns | 1 | 14.3 | 1 | - | - | - | - | 1 |
| Crossing vehicle turning | - | - | - | - | - | - | - | - |
| Vehicles merging | - | - | - | - | - | - | - | - |
| Right turn against | - | - | - | 2 | 28.6 | - | - | 2 |
| Vehicle manoeuvring | - | - | - | - | - | - | - | - |
| Pedestrian crossing road | - | - | - | - | - | - | - | - |
| Pedestrian other | - | - | - | - | - | - | - | - |
| Miscellaneous | 1 | 14.3 | 1 | - | - | - | - | 1 |
| TOTALS | 3 | 42.9 | 2 | 4 | 57.1 | 1 | - | 7 |

NOTE: A pedal cyclist can be involved in a crash and escape Injury or Death.
For movement classification see note 9(a).
For area classification see note 11.

Table 40

**Crashes Involving Pedal Cyclists by Time of Day and Day of Week
Year ended 31 December 2004**

| Time of Day | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday | Totals |
|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Midnight to 12.59am | - (-) | - (-) | - (-) | - (-) | - (-) | 1 (-) | - (-) | 1 (-) |
| 1am to 1.59am | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |
| 2am to 2.59am | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |
| 3am to 3.59am | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | 1 (-) | 1 (-) |
| 4am to 4.59am | 1 (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | 1 (-) |
| 5am to 5.59am | 2 (-) | - (-) | 1 (-) | - (-) | 2 (-) | - (-) | - (-) | 5 (-) |
| 6am to 6.59am | 5 (-) | 4 (-) | 3 (-) | 4 (1) | 4 (-) | - (-) | 2 (-) | 22 (1) |
| 7am to 7.59am | 9 (-) | 18 (-) | 8 (-) | 9 (-) | 7 (-) | - (-) | 1 (-) | 52 (-) |
| 8am to 8.59am | 15 (-) | 28 (-) | 19 (1) | 26 (-) | 12 (-) | 4 (-) | 2 (-) | 10 (1) |
| 9am to 9.59am | 5 (-) | 3 (-) | 5 (-) | 5 (-) | 2 (-) | 3 (-) | 4 (-) | 27 (-) |
| 10am to 10.59am | 4 (1) | 1 (-) | 5 (-) | 4 (-) | 4 (-) | 2 (1) | 4 (-) | 24 (2) |
| 11am to 11.59am | 2 (-) | 3 (-) | 2 (-) | - (-) | 5 (-) | 10 (-) | 3 (-) | 25 (-) |
| noon to 12.59pm | 6 (-) | 3 (-) | 4 (-) | 3 (-) | 4 (-) | 4 (-) | 4 (-) | 28 (-) |
| 1pm to 1.59pm | 1 (-) | 3 (-) | 2 (-) | 4 (-) | 4 (-) | 4 (-) | 2 (-) | 20 (-) |
| 2pm to 2.59pm | 1 (-) | 3 (-) | 9 (-) | 3 (-) | 2 (-) | 2 (-) | 4 (-) | 24 (-) |
| 3pm to 3.59pm | 9 (-) | 20 (-) | 14 (-) | 15 (-) | 15 (-) | 7 (-) | 7 (-) | 87 (-) |
| 4pm to 4.59pm | 11 (-) | 21 (-) | 17 (-) | 7 (-) | 10 (-) | 11 (-) | 10 (-) | 87 (-) |
| 5pm to 5.59pm | 10 (-) | 12 (-) | 19 (1) | 20 (-) | 14 (-) | 3 (-) | 7 (-) | 85 (1) |
| 6pm to 6.59pm | 11 (-) | 11 (-) | 12 (1) | 4 (-) | 7 (-) | 5 (-) | 2 (-) | 52 (1) |
| 7pm to 7.59pm | 5 (-) | 3 (-) | 2 (-) | 10 (1) | 2 (-) | 4 (-) | 1 (-) | 27 (1) |
| 8pm to 8.59pm | - (-) | 4 (-) | - (-) | - (-) | 1 (-) | 3 (-) | 3 (-) | 11 (-) |
| 9pm to 9.59pm | 2 (-) | 1 (-) | 2 (-) | 3 (-) | - (-) | 1 (-) | 2 (-) | 11 (-) |
| 10pm to 10.59pm | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |
| 11pm to 11.59pm | 1 (-) | - (-) | 1 (-) | 1 (-) | 1 (-) | - (-) | - (-) | 4 (-) |
| Unknown time | 1 (-) | 1 (-) | - (-) | 1 (-) | 1 (-) | 1 (-) | - (-) | 5 (-) |
| TOTALS | 10 (1) | 13 (-) | 12 (3) | 11 (2) | 97 (-) | 65 (1) | 59 (-) | 70 (7) |
| | 1) | 9) | 5) | 9) | |) | |) |

NOTE: The figures in brackets are fatal crashes and are not included in the adjacent totals.

Figure 24
Cyclist Casualties by Time of Day
and Day of Week

