

# APPENDICES



## **APPENDIX A**

# **ADDITIONAL STATISTICAL TABLES**

## SOCIODEMOGRAPHIC STATISTICS

**Table A.1:** Census night populations of districts in the Taranaki Region, 1996, 2001, 2006

| TARANAKI DISTRICTS      | 1996 CENSUS NIGHT POPULATION COUNT | 2001 CENSUS NIGHT POPULATION COUNT | 2006 CENSUS NIGHT POPULATION COUNT (PROVISIONAL) | INCREASE OR DECREASE (-)<br>1996–2001 |         | INCREASE OR DECREASE (-)<br>2001–2006 |         |
|-------------------------|------------------------------------|------------------------------------|--|---------------------------------------|---------|---------------------------------------|---------|
|                         |                                    |                                    |  | NUMBER                                | PERCENT | NUMBER                                | PERCENT |
| New Plymouth District   | 68,169                             | 66,573                             | 69,000   | -1,596                                | -2.3    | 2,430                                 | 3.7     |
| Stratford District      | 9,729                              | 8,991                              | 8,930  | -738                                  | -7.6    | -60                                   | -0.7    |
| South Taranaki District | 28,800                             | 27,222                             | 25,700   | -1,578                                | -5.5    | -1,520                                | -5.6    |

Source: Statistics NZ, 1996, 2001, 2006 Census of Population and Dwellings

**Table A.2:** Usually resident population of New Plymouth District and New Zealand, by age group and sex, 2001

| AGE GROUP                    | NEW PLYMOUTH DISTRICT |       |         |       |        |       | NEW ZEALAND |       |           |       |           |       |
|------------------------------|-----------------------|-------|---------|-------|--------|-------|-------------|-------|-----------|-------|-----------|-------|
|                              | MALES                 |       | FEMALES |       | TOTAL  |       | MALES       |       | FEMALES   |       | TOTAL     |       |
|                              | NO.                   | %     | NO.     | %     | NO.    | %     | NO.         | %     | NO.       | %     | NO.       | %     |
| 0-4                          | 2,325                 | 7.2   | 2,172   | 6.3   | 4,500  | 6.8   | 138,693     | 7.6   | 132,108   | 6.9   | 270,801   | 7.2   |
| 5-9                          | 2,580                 | 8.0   | 2,511   | 7.3   | 5,091  | 7.6   | 147,363     | 8.1   | 138,840   | 7.3   | 286,203   | 7.7   |
| 10-14                        | 2,886                 | 9.0   | 2,718   | 7.9   | 5,601  | 8.4   | 148,632     | 8.2   | 142,107   | 7.4   | 290,742   | 7.8   |
| 15-19                        | 2,439                 | 7.6   | 2,226   | 6.5   | 4,665  | 7.0   | 134,952     | 7.4   | 130,332   | 6.8   | 265,281   | 7.1   |
| 20-24                        | 1,698                 | 5.3   | 1,656   | 4.8   | 3,351  | 5.0   | 118,791     | 6.5   | 120,990   | 6.3   | 239,784   | 6.4   |
| 25-29                        | 1,740                 | 5.4   | 1,947   | 5.7   | 3,687  | 5.5   | 118,011     | 6.5   | 128,892   | 6.7   | 246,903   | 6.6   |
| 30-34                        | 2,019                 | 6.3   | 2,313   | 6.7   | 4,332  | 6.5   | 132,198     | 7.3   | 147,078   | 7.7   | 279,279   | 7.5   |
| 35-39                        | 2,358                 | 7.3   | 2,616   | 7.6   | 4,974  | 7.5   | 142,680     | 7.8   | 154,782   | 8.1   | 297,462   | 8.0   |
| 40-44                        | 2,487                 | 7.7   | 2,787   | 8.1   | 5,274  | 7.9   | 138,501     | 7.6   | 147,117   | 7.7   | 285,618   | 7.6   |
| 45-49                        | 2,289                 | 7.1   | 2,361   | 6.9   | 4,650  | 7.0   | 123,528     | 6.8   | 128,259   | 6.7   | 251,787   | 6.7   |
| 50-54                        | 2,142                 | 6.6   | 2,193   | 6.4   | 4,332  | 6.5   | 116,952     | 6.4   | 119,217   | 6.2   | 236,169   | 6.3   |
| 55-59                        | 1,638                 | 5.1   | 1,668   | 4.9   | 3,303  | 5.0   | 90,180      | 4.9   | 92,082    | 4.8   | 182,262   | 4.9   |
| 60-64                        | 1,404                 | 4.4   | 1,521   | 4.4   | 2,928  | 4.4   | 75,840      | 4.2   | 78,729    | 4.1   | 154,569   | 4.1   |
| 65-69                        | 1,299                 | 4.0   | 1,362   | 4.0   | 2,661  | 4.0   | 62,478      | 3.4   | 65,433    | 3.4   | 127,914   | 3.4   |
| 70-74                        | 1,167                 | 3.6   | 1,392   | 4.1   | 2,559  | 3.8   | 56,145      | 3.1   | 62,112    | 3.2   | 118,260   | 3.2   |
| 75-79                        | 885                   | 2.7   | 1,248   | 3.6   | 2,130  | 3.2   | 40,740      | 2.2   | 53,763    | 2.8   | 94,503    | 2.5   |
| 80-84                        | 528                   | 1.6   | 861     | 2.5   | 1,389  | 2.1   | 22,803      | 1.3   | 38,310    | 2.0   | 61,110    | 1.6   |
| 85+                          | 354                   | 1.1   | 810     | 2.4   | 1,167  | 1.8   | 14,517      | 0.8   | 34,122    | 1.8   | 48,639    | 1.3   |
| TOTAL                        | 32,235                | 100.0 | 34,368  | 100.0 | 66,603 | 100.0 | 1,823,004   | 100.0 | 1,914,270 | 100.0 | 3,737,277 | 100.0 |
| Total Children (0-14)        | 7,791                 | 24.2  | 7,401   | 21.5  | 15,192 | 22.8  | 434,688     | 23.8  | 413,055   | 21.6  | 847,746   | 22.7  |
| Total Adults (15+)           | 24,447                | 75.8  | 26,961  | 78.4  | 51,402 | 77.2  | 1,388,316   | 76.2  | 1,501,218 | 78.4  | 2,889,540 | 77.3  |
| Total Younger Adults (15-64) | 20,214                | 62.7  | 21,288  | 61.9  | 41,496 | 62.3  | 1,191,633   | 65.4  | 1,247,478 | 65.2  | 2,439,114 | 65.3  |
| Total Older (Adults 65+)     | 4,233                 | 13.1  | 5,673   | 16.5  | 9,906  | 14.9  | 196,683     | 10.8  | 253,740   | 13.3  | 450,426   | 12.1  |

Source: Statistics New Zealand, 2001 Census of Population and Dwellings

**Table A3:** Number of people usually resident in New Plymouth District, by area unit and rural / urban category, 2001

| AREA UNIT                      | NUMBER OF PEOPLE | AREA UNIT  | NUMBER OF PEOPLE |
|--------------------------------|------------------|--|------------------|
| <i>NEW PLYMOUTH URBAN AREA</i> |                  | <i>SATELLITE URBAN COMMUNITIES</i>               |                  |
| Oakura                         | 1,221            | Waitara West                                     | 3,564            |
| Bell Block                     | 3,897            | Waitara East                                     | 2,682            |
| Paraite                        | 342              | Inglewood  | 2,928            |
| Glen Avon                      | 810              | <i>TOTAL</i>                                     | <i>9,174</i>     |
| Bowden                         | 309              |  |                  |
| Mangaoraka                     | 675              | <i>RURAL AREA WITH HIGH URBAN INFLUENCE</i>      |                  |
| Carrington                     | 597              | Egmont Village                                   | 471              |
| Highlands Park                 | 2,571            | <i>TOTAL</i>                                     | <i>471</i>       |
| Fernleigh                      | 654              |  |                  |
| Barrett                        | 1,272            | <i>RURAL AREAS WITH MODERATE URBAN INFLUENCE</i> |                  |
| Omata                          | 480              | Urenui   | 414              |
| Moturoa                        | 3,405            | Lepperton  | 1,758            |
| Lynmouth                       | 2,040            | Kaitake  | 2,181            |
| Spotswood                      | 1,845            | Okato  | 519              |
| Marfell                        | 1,992            | Kaimata  | 2,418            |
| Upper Westown                  | 1,443            | <i>TOTAL</i>                                     | <i>7,290</i>     |
| Westown                        | 3,291            |  |                  |
| New Plymouth Central           | 612              |  |                  |
| Kawaroa                        | 1,860            | <i>RURAL AREA WITH LOW URBAN INFLUENCE</i>       |                  |
| Mount Bryan                    | 879              | Okoki-Okau                                       | 1,902            |
| Marsland Hill                  | 1,422            | <i>TOTAL</i>                                     | <i>1,902</i>     |
| Fitzroy                        | 3,639            |  |                  |
| Welbourn                       | 1,611            | <i>INDEPENDENT URBAN COMMUNITY</i>               |                  |
| Merrilands                     | 2,727            | <i>N/A</i>                                       | <i>0</i>         |
| Frankleigh                     | 3,483            |  |                  |
| Struan Park                    | 4,683            | <i>HIGHLY RURAL / REMOTE AREA</i>                |                  |
| <i>TOTAL</i>                   | <i>47,760</i>    | <i>N/A</i>                                       | <i>0</i>         |

Source: Statistics New Zealand, 2001 Census of Population and Dwellings

**Table A.4:** Status in employment of employed adults age 15 and over usually resident in New Plymouth District, by sex, 2001

| STATUS IN EMPLOYMENT                | MALE   |       | FEMALE |       | TOTAL  |       |
|-------------------------------------|--------|-------|--------|-------|--------|-------|
|                                     | NO.    | %     | NO.    | %     | NO.    | %     |
| Paid employee                       | 10,794 | 69.6  | 10,617 | 78.5  | 21,408 | 73.7  |
| Employer                            | 1,593  | 10.3  | 831    | 6.1   | 2,424  | 8.3   |
| Self-employed and without employees | 2,415  | 15.6  | 1,359  | 10.0  | 3,774  | 13.0  |
| Unpaid family worker                | 282    | 1.8   | 354    | 2.6   | 639    | 2.2   |
| Not Stated                          | 426    | 2.7   | 372    | 2.7   | 801    | 2.8   |
| TOTAL                               | 15,510 | 100.0 | 13,533 | 100.0 | 29,046 | 100.0 |

Source: Statistics New Zealand, 2001 Census of Population and Dwellings

**Table A.5:** Occupational groups of employed adults age 15 and over usually resident in New Plymouth District, by sex, 2001

| OCCUPATION                                 | MALE   |       | FEMALE |       | TOTAL  |       |
|--|--------|-------|--------|-------|--------|-------|
|  | NO.    | %     | NO.    | %     | NO.    | %     |
| Legislators, administrators and managers   | 1,965  | 12.7  | 1,233  | 9.1   | 3,198  | 11.0  |
| Professionals                              | 1,602  | 10.3  | 2,163  | 16.0  | 3,765  | 13.0  |
| Technicians and associate professionals    | 1,446  | 9.3   | 1,536  | 11.4  | 2,982  | 10.3  |
| Clerks                                     | 597    | 3.8   | 2,502  | 18.5  | 3,102  | 10.7  |
| Service and sales workers                  | 1,311  | 8.5   | 3,027  | 22.4  | 4,341  | 14.9  |
| Agriculture and fishery workers            | 1,854  | 12.0  | 1,053  | 7.8   | 2,907  | 10.0  |
| Trades workers                             | 2,559  | 16.5  | 129    | 1.0   | 2,688  | 9.3   |
| Plant and machine operators and assemblers | 2,082  | 13.4  | 435    | 3.2   | 2,517  | 8.7   |
| Elementary occupations                     | 1,047  | 6.8   | 711    | 5.3   | 1,761  | 6.1   |
| Not elsewhere included                     | 1,041  | 6.7   | 744    | 5.5   | 1,788  | 6.2   |
| Total                                      | 15,510 | 100.0 | 13,533 | 100.0 | 29,043 | 100.0 |

Source: Statistics New Zealand, 2001 Census of Population and Dwellings

**Table A.6:** Annual personal income of adults age 15 and over usually resident in New Plymouth District and New Zealand, 2001

| ANNUAL PERSONAL INCOME | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|------------------------|-----------------------|-------|-------------|-------|
|                        | NO.                   | %     | NO.         | %     |
| Loss                   | 177                   | 0.3   | 17,055      | 0.6   |
| Zero income            | 2,100                 | 4.1   | 120,891     | 4.2   |
| \$5,001 - \$10,000     | 6,750                 | 13.1  | 337,494     | 11.7  |
| \$10,001 - \$15,000    | 8,460                 | 16.5  | 395,106     | 13.7  |
| \$15,001 - \$20,000    | 4,734                 | 9.2   | 243,702     | 8.4   |
| \$20,001 - \$25,000    | 3,627                 | 7.1   | 208,461     | 7.2   |
| \$25,001 - \$30,000    | 3,633                 | 7.1   | 215,016     | 7.4   |
| \$30,001 - \$40,000    | 4,917                 | 9.6   | 311,598     | 10.8  |
| \$40,001 - \$50,000    | 2,835                 | 5.5   | 183,246     | 6.3   |
| \$50,001 - \$70,000    | 2,553                 | 5.0   | 163,527     | 5.7   |
| \$70,001 - \$100,000   | 1,080                 | 2.1   | 68,526      | 2.4   |
| \$100,001 or More      | 876                   | 1.7   | 62,409      | 2.2   |
| Not Stated             | 5,556                 | 10.8  | 322,080     | 11.1  |
| Total                  | 51,408                | 100.0 | 2,889,537   | 100.0 |

Source: Statistics New Zealand, 2001 Census of Population and Dwellings

**Table A.7:** Income sources of adults age 15 and over usually resident in New Plymouth District and New Zealand, 2001

| INCOME SOURCE  | NEW PLYMOUTH DISTRICT |       |        |       |        |       | NEW ZEALAND |       |
|--|-----------------------|-------|--------|-------|--------|-------|-------------|-------|
|  | MALE                  |       | FEMALE |       | TOTAL  |       | TOTAL (M+F) |       |
|  | No.                   | %     | No.    | %     | No.    | %     | No.         | %     |
| Wages, salary, commissions, bonuses etc paid by employer   | 12,801                | 55.3  | 12,714 | 49.6  | 25,515 | 52.3  | 1,536,675   | 56.7  |
| Self-employment or business  | 4,944                 | 21.3  | 3,243  | 12.7  | 8,187  | 16.8  | 453,189     | 16.7  |
| Interest, dividends, rent, other investments   | 6,324                 | 27.3  | 6,525  | 25.5  | 12,846 | 26.3  | 702,453     | 25.9  |
| Regular payments from ACC or a private work accident insurer   | 474                   | 2.0   | 300    | 1.2   | 774    | 1.6   | 44,184      | 1.6   |
| New Zealand superannuation or veterans pension   | 4,032                 | 17.4  | 5,670  | 22.1  | 9,705  | 19.9  | 419,964     | 15.5  |
| Other superannuation, pensions, annuities (other than NZ superannuation, veterans pension or war pensions) | 933                   | 4.0   | 729    | 2.8   | 1,659  | 3.4   | 88,905      | 3.3   |
| Community wage - Job Seeker  | 2,256                 | 9.7   | 1,770  | 6.9   | 4,026  | 8.3   | 178,374     | 6.6   |
| Community wage - Sickness Benefit  | 435                   | 1.9   | 492    | 1.9   | 924    | 1.9   | 53,457      | 2.0   |
| Domestic Purposes Benefit  | 270                   | 1.2   | 1,914  | 7.5   | 2,190  | 4.5   | 106,215     | 3.9   |
| Invalids Benefit   | 678                   | 2.9   | 678    | 2.6   | 1,356  | 2.8   | 65,487      | 2.4   |
| Student Allowance  | 528                   | 2.3   | 504    | 2.0   | 1,035  | 2.1   | 77,760      | 2.9   |
| Other government benefits, government income support payments, or war pensions                             | 768                   | 3.3   | 1,329  | 5.2   | 2,094  | 4.3   | 109,323     | 4.0   |
| Other sources of income, including support payments from people living in other households                 | 213                   | 0.9   | 534    | 2.1   | 750    | 1.5   | 53,517      | 2.0   |
| No source of income  | 873                   | 3.8   | 1,698  | 6.6   | 2,571  | 5.3   | 151,323     | 5.6   |
| Total people (includes people specifying one or more income source(s) and no source of income)             | 23,157                | 100.0 | 25,611 | 100.0 | 48,768 | 100.0 | 2,711,010   | 100.0 |
| Total usually resident population aged 15 years and over   | 24,447                |       | 26,964 |       | 51,408 |       | 2,889,534   |       |

Source: Statistics New Zealand, 2001 Census of Population and Dwellings

**Table A.8:** Number of motor vehicles available in private households in New Plymouth District and New Zealand, 2001

| NUMBER OF MOTOR VEHICLES     | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|------------------------------|-----------------------|-------|-------------|-------|
|                              | NO.                   | %     | NO.         | %     |
| No motor vehicle             | 2,685                 | 10.6  | 129,891     | 9.7   |
| One motor vehicle            | 10,899                | 43.1  | 526,233     | 39.1  |
| Two motor vehicles           | 8,478                 | 33.5  | 463,113     | 34.5  |
| Three or more motor vehicles | 2,385                 | 9.4   | 169,116     | 12.6  |
| Not stated                   | 825                   | 3.3   | 55,914      | 4.2   |
| Total                        | 25,275                | 100.0 | 1,344,267   | 100.0 |

Source: Statistics New Zealand, 2001 Census of Population and Dwellings

**Table A.9:** Highest educational qualification attained by adults age 15 and over usually resident in New Plymouth District and New Zealand, 2001

| HIGHEST QUALIFICATION                | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|--------------------------------------|-----------------------|-------|-------------|-------|
|                                      | NO.                   | %     | NO.         | %     |
| No qualification                     | 14,580                | 28.4  | 686,223     | 23.7  |
| Fifth form qualification             | 7,638                 | 14.9  | 389,259     | 13.5  |
| Sixth form qualification             | 4,419                 | 8.6   | 283,482     | 9.8   |
| Higher school qualification          | 1,713                 | 3.3   | 156,981     | 5.4   |
| Other secondary school qualification | 1,590                 | 3.1   | 166,173     | 5.8   |
| Vocational qualification             | 10,422                | 20.3  | 507,891     | 17.6  |
| Bachelor degree                      | 2,319                 | 4.5   | 199,932     | 6.9   |
| Higher degree                        | 939                   | 1.8   | 92,154      | 3.2   |
| Not elsewhere included               | 7,785                 | 15.1  | 407,439     | 14.1  |
| TOTAL                                | 51,408                | 100.0 | 2,889,537   | 100.0 |

Source: Statistics New Zealand, 2001 Census of Population and Dwellings

## DEATHS FROM INJURY

**Table A.10:** Number of deaths and annual mortality rates (per 100,000) for unintentional, intentional and other injuries, New Plymouth District residents 2000-2003, by age groups

### A) Number of deaths (Total for 2000-2003)

|                                    | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ | TOTAL |
|------------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-----|-------|
| Unintentional injuries             | 5   | 11    | 7     | 8     | 7     | 7     | 4     | 4     | 24  | 77    |
| Intentional injuries               | 0   | 2     | 8     | 9     | 6     | 4     | 2     | 1     | 1   | 33    |
| Intent undetermined                | 0   | 0     | 1     | 1     | 0     | 1     | 0     | 0     | 0   | 3     |
| Legal intervention / war           | 0   | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0   | 1     |
| Sequelae of unintentional injuries | 0   | 0     | 0     | 1     | 0     | 0     | 1     | 1     | 2   | 5     |
| TOTAL                              | 5   | 13    | 17    | 19    | 13    | 12    | 7     | 6     | 27  | 119   |

### B) Average annual number of deaths

|                                    | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ | TOTAL |
|------------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-----|-------|
| Unintentional injuries             | 1.3 | 2.8   | 1.8   | 2.0   | 1.8   | 1.8   | 1.0   | 1.0   | 6.0 | 19.3  |
| Intentional injuries               | 0.0 | 0.5   | 2.0   | 2.3   | 1.5   | 1.0   | 0.5   | 0.3   | 0.3 | 8.3   |
| Intent undetermined                | 0.0 | 0.0   | 0.3   | 0.3   | 0.0   | 0.3   | 0.0   | 0.0   | 0.0 | 0.8   |
| Legal intervention / war           | 0.0 | 0.0   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0 | 0.3   |
| Sequelae of unintentional injuries | 0.0 | 0.0   | 0.0   | 0.3   | 0.0   | 0.0   | 0.3   | 0.3   | 0.5 | 1.3   |
| TOTAL                              | 1.3 | 3.3   | 4.3   | 4.8   | 3.3   | 3.0   | 1.8   | 1.5   | 6.8 | 29.8  |

### C) Average annual rates per 100,000 population and age-standardised rates (ASR)

|                        | 0-9  | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   | ASR  |
|------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Unintentional injuries | 13.0 | 26.8  | 24.9  | 21.5  | 17.6  | 22.9  | 17.9  | 21.3  | 235.0 | 22.7 |
| Intentional injuries   | 0.0  | 4.9   | 28.4  | 24.2  | 15.1  | 13.1  | 9.0   | 5.3   | 9.8   | 12.2 |
| Other                  | 0.0  | 0.0   | 7.1   | 5.4   | 0.0   | 3.3   | 4.5   | 5.3   | 19.6  | 2.7  |
| TOTAL                  | 13.0 | 31.6  | 60.4  | 51.0  | 32.7  | 39.3  | 31.3  | 32.0  | 264.4 | 37.6 |

Source: Data supplied by New Zealand Health Information Service.

**Table A.11:** Number of deaths and average annual age-standardised mortality rates (per 100,000) for injury, New Plymouth District residents 2000-2003, by sex and ethnicity

|           | TOTAL NUMBER OF DEATHS FOR 4-YEAR PERIOD | AVERAGE ANNUAL NUMBER OF DEATHS | AVERAGE ANNUAL AGE-STANDARDISED RATES |
|-----------|--|---------------------------------|---------------------------------------|
| Males     | 74                                       | 18.5                            | 52.0                                  |
| Females   | 45                                       | 11.3                            | 24.4                                  |
| Māori     | 20                                       | 5.0                             | 63.2                                  |
| Non-Māori | 99                                       | 24.8                            | 33.2                                  |

Source: Data supplied by New Zealand Health Information Service.

Notes: Age-standardised using Segi's world population

Māori rates based on relatively small numbers.

**Table A.12:** Number of deaths and average annual age-standardised mortality rates (per 100,000) for injury, New Plymouth District residents 2000-2003, by rural-urban categories

|                             | TOTAL NUMBER OF DEATHS FOR 4-YEAR PERIOD | AVERAGE ANNUAL NUMBER OF DEATHS | AVERAGE ANNUAL AGE-STANDARDISED RATES |
|-----------------------------|--|---------------------------------|---------------------------------------|
| New Plymouth urban          | 83                                       | 20.8                            | 34.6                                  |
| Rural areas                 | 16                                       | 4.0                             | 39.0                                  |
| Satellite urban communities | 19                                       | 4.8                             | 46.4                                  |

Source: Data supplied by New Zealand Health Information Service.

Notes: Age-standardised using Segi's world population

Rural and satellite urban community rates based on relatively small numbers

Data excludes one injury death from legal intervention / war.

**Table A.13:** Number of deaths and average annual age-standardised mortality rates (per 100,000) for injury, New Plymouth District residents 2000-2003, by NZDep2001 deciles

|            | TOTAL NUMBER OF DEATHS FOR 4-YEAR PERIOD | AVERAGE ANNUAL NUMBER OF DEATHS | AVERAGE ANNUAL AGE-STANDARDISED RATES |
|------------|--|---------------------------------|---------------------------------------|
| NZDep 1-3  | 23                                       | 5.8                             | 41.3                                  |
| NZDep 5-7  | 55                                       | 13.8                            | 29.4                                  |
| NZDep 8-10 | 40                                       | 10.0                            | 53.8                                  |

Source: Data supplied by New Zealand Health Information Service.

Notes: Age-standardised using Segi's world population

NZDep 1-3 based on relatively small numbers

Data excludes one injury death from legal intervention / war.

**Table A.14:** Trends in annual age-standardised mortality rates (ASR) (per 100,000) for injury, New Plymouth District residents 1989-2003

|                    | NEW PLYMOUTH DISTRICT (NPD) |      | NPD 3-YEAR RUNNING AVERAGE* |      | NEW ZEALAND   |      |
|--------------------|-----------------------------|------|-----------------------------|------|---------------|------|
|                    | NO. OF DEATHS               | ASR  | NO. OF DEATHS               | ASR  | NO. OF DEATHS | ASR  |
| <i>ICD-9 data</i>  |                             |      |                             |      |               |      |
| 1989               | 24                          | 34.0 | -                           | -    | 1,977         | 53.4 |
| 1990               | 22                          | 29.4 | 24.3                        | 34.5 | 1,932         | 51.7 |
| 1991               | 27                          | 40.1 | 30.3                        | 42.4 | 1,752         | 46.8 |
| 1992               | 42                          | 57.6 | 32.7                        | 45.8 | 1,802         | 48.0 |
| 1993               | 29                          | 39.8 | 32.0                        | 43.8 | 1,732         | 46.2 |
| 1994               | 25                          | 34.2 | 31.7                        | 43.8 | 1,739         | 42.7 |
| 1995               | 41                          | 57.2 | 30.7                        | 42.5 | 1,806         | 44.7 |
| 1996               | 26                          | 35.9 | 33.3                        | 44.5 | 1,732         | 42.6 |
| 1997               | 33                          | 40.4 | 29.7                        | 37.9 | 1,778         | 43.8 |
| 1998               | 30                          | 37.5 | 32.5                        | 38.5 | 1,669         | 41.7 |
| 1999               | 34                          | 38.4 | -                           | -    | 1,689         | 35.3 |
| <i>ICD-10 data</i> |                             |      |                             |      |               |      |
| 2000               | 34                          | 49.6 | -                           | -    | 1,599         | 35.5 |
| 2001               | 28                          | 33.9 | 31.3                        | 41.1 | 1,651         | 35.6 |
| 2002               | 32                          | 39.7 | 28.3                        | 33.6 | 1,696         | 36.4 |
| 2003               | 25                          | 27.2 | -                           | -    | 1,797         | 38.0 |

Source: Data supplied by New Zealand Health Information Service.

Notes: Age-standardised using Segi's world population

\* Calculated by aggregating numbers of deaths from the specified year, the previous year and the subsequent year (and dividing by 3)

Data from 1989 to 1999 not available forward-coded to ICD-10 and data from 2000 to 2003 not available back-coded to ICD-9.

# HOSPITALISATION FOR INJURY

## ALL INJURIES

**Table A.15:** Number of hospitalisations for all types of injury, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |       |
| 2001  | 184       | 194   | 158   | 127   | 131   | 97    | 71    | 128   | 214   | 1,304 |
| 2002  | 190       | 188   | 126   | 140   | 134   | 96    | 82    | 122   | 243   | 1,321 |
| 2003  | 195       | 182   | 137   | 162   | 173   | 111   | 84    | 186   | 230   | 1,460 |
| 2004  | 127       | 148   | 161   | 146   | 161   | 104   | 89    | 137   | 277   | 1,350 |
| 2005  | 145       | 204   | 114   | 152   | 156   | 98    | 72    | 152   | 294   | 1,387 |
| TOTAL | 841       | 916   | 696   | 727   | 755   | 506   | 398   | 725   | 1,258 | 6,822 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.16:** Age-specific rates of hospitalisation for all types of injury, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |         |         |         |         |         |         |         |          |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|       | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| 2001  | 1,919.1   | 1,889.2 | 2,244.0 | 1,364.7 | 1,320.0 | 1,269.5 | 1,271.0 | 2,728.0 | 8,382.3  |
| 2002  | 1,981.6   | 1,830.8 | 1,789.5 | 1,504.4 | 1,350.3 | 1,256.4 | 1,468.0 | 2,600.2 | 9,518.2  |
| 2003  | 2,033.8   | 1,772.3 | 1,945.7 | 1,740.8 | 1,743.2 | 1,452.7 | 1,503.8 | 3,964.2 | 9,009.0  |
| 2004  | 1,324.6   | 1,441.2 | 2,286.6 | 1,568.9 | 1,622.3 | 1,361.1 | 1,593.3 | 2,919.9 | 10,850.0 |
| 2005  | 1,512.3   | 1,986.6 | 1,619.1 | 1,633.4 | 1,571.9 | 1,282.6 | 1,288.9 | 3,239.6 | 11,515.9 |
| TOTAL | 1,754.3   | 1,784.0 | 1,977.0 | 1,562.4 | 1,521.6 | 1,324.4 | 1,425.0 | 3,090.4 | 9,855.1  |

Source: New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.17:** Age-specific rates of hospitalisation for all types of injury, New Zealand, 2001-2005

| YEAR  | AGE GROUP |         |         |         |         |         |         |         |          |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|       | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| 2001  | 1,836.6   | 2,207.1 | 2,437.9 | 1,822.2 | 1,528.1 | 1,443.0 | 1,701.2 | 3,546.7 | 10,905.9 |
| 2002  | 1,845.1   | 2,170.5 | 2,458.1 | 1,874.2 | 1,603.7 | 1,480.3 | 1,781.4 | 3,561.6 | 11,568.5 |
| 2003  | 1,789.6   | 2,170.9 | 2,366.4 | 1,818.4 | 1,624.1 | 1,561.7 | 1,808.4 | 3,599.5 | 12,061.0 |
| 2004  | 1,697.5   | 2,143.8 | 2,320.7 | 1,790.2 | 1,681.8 | 1,636.3 | 1,895.4 | 3,621.2 | 12,253.8 |
| 2005  | 1,791.4   | 2,304.9 | 2,529.3 | 1,843.4 | 1,836.5 | 1,774.3 | 2,034.9 | 3,736.4 | 12,713.6 |
| TOTAL | 1,792.0   | 2,199.4 | 2,422.5 | 1,829.7 | 1,654.8 | 1,579.1 | 1,844.3 | 3,613.1 | 11,900.6 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

## UNINTENTIONAL INJURIES

**Table A.18:** Number of hospitalisations for unintentional injuries, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |       |
| 2001  | 180       | 176   | 108   | 90    | 91    | 84    | 66    | 122   | 208   | 1,125 |
| 2002  | 185       | 167   | 96    | 105   | 99    | 85    | 78    | 113   | 241   | 1,169 |
| 2003  | 195       | 160   | 106   | 114   | 135   | 86    | 78    | 178   | 228   | 1,280 |
| 2004  | 126       | 123   | 120   | 95    | 123   | 88    | 82    | 130   | 273   | 1,160 |
| 2005  | 138       | 168   | 79    | 113   | 117   | 79    | 68    | 150   | 288   | 1,200 |
| TOTAL | 824       | 794   | 509   | 517   | 565   | 422   | 372   | 693   | 1,238 | 5,934 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.19:** Age-specific rates of hospitalisation for unintentional injuries, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |         |         |         |         |         |         |         |          |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|       | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| 2001  | 1,877.3   | 1,713.9 | 1,533.9 | 967.1   | 917.0   | 1,099.3 | 1,181.5 | 2,600.2 | 8,147.3  |
| 2002  | 1,929.5   | 1,626.3 | 1,363.4 | 1,128.3 | 997.6   | 1,112.4 | 1,396.3 | 2,408.4 | 9,439.9  |
| 2003  | 2,033.8   | 1,558.1 | 1,505.5 | 1,225.0 | 1,360.3 | 1,125.5 | 1,396.3 | 3,793.7 | 8,930.7  |
| 2004  | 1,314.1   | 1,197.8 | 1,704.3 | 1,020.8 | 1,239.4 | 1,151.7 | 1,468.0 | 2,770.7 | 10,693.3 |
| 2005  | 1,439.3   | 1,636.0 | 1,122.0 | 1,214.3 | 1,179.0 | 1,033.9 | 1,217.3 | 3,196.9 | 11,280.8 |
| TOTAL | 1,718.8   | 1,546.4 | 1,445.8 | 1,111.1 | 1,138.7 | 1,104.6 | 1,331.9 | 2,954.0 | 9,698.4  |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.20:** Age-specific rates of hospitalisation for unintentional injuries, New Zealand, 2001-2005

| YEAR  | AGE GROUP |         |         |         |         |         |         |         |          |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|       | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| 2001  | 1,783.6   | 1,820.2 | 1,778.4 | 1,325.5 | 1,161.2 | 1,217.3 | 1,551.2 | 3,409.4 | 10,719.5 |
| 2002  | 1,801.5   | 1,809.9 | 1,806.2 | 1,393.4 | 1,230.1 | 1,276.9 | 1,647.1 | 3,425.6 | 11,372.1 |
| 2003  | 1,744.3   | 1,805.2 | 1,722.0 | 1,332.4 | 1,249.2 | 1,326.1 | 1,650.8 | 3,459.3 | 11,883.6 |
| 2004  | 1,647.1   | 1,751.1 | 1,697.3 | 1,305.0 | 1,290.3 | 1,366.8 | 1,732.4 | 3,499.6 | 12,084.5 |
| 2005  | 1,741.7   | 1,895.1 | 1,869.9 | 1,377.9 | 1,415.6 | 1,487.9 | 1,866.3 | 3,606.0 | 12,517.2 |
| TOTAL | 1,743.6   | 1,816.3 | 1,774.8 | 1,346.8 | 1,269.3 | 1,335.0 | 1,689.6 | 3,480.0 | 11,715.4 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.21:** Age-standardised rates of hospitalisation for unintentional injuries, New Plymouth District and New Zealand, 2001-2005

| YEAR  | NEW PLYMOUTH DISTRICT | NEW ZEALAND |
|-------|-----------------------|-------------|
| 2001  | 1,534.2               | 1,730.6     |
| 2002  | 1,555.0               | 1,772.6     |
| 2003  | 1,681.2               | 1,751.5     |
| 2004  | 1,445.1               | 1,730.7     |
| 2005  | 1,464.8               | 1,856.6     |
| TOTAL | 1,536.0               | 1,768.4     |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## FALLS

**Table A.22:** Number of hospitalisations for falls, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |       |
| 2001  | 88        | 50    | 14    | 19    | 15    | 25    | 32    | 75    | 177   | 495   |
| 2002  | 88        | 55    | 26    | 21    | 29    | 25    | 35    | 90    | 196   | 565   |
| 2003  | 98        | 58    | 21    | 20    | 35    | 37    | 52    | 120   | 192   | 633   |
| 2004  | 68        | 41    | 31    | 16    | 35    | 24    | 33    | 88    | 229   | 565   |
| 2005  | 66        | 57    | 18    | 29    | 30    | 23    | 34    | 89    | 241   | 587   |
| TOTAL | 408       | 261   | 110   | 105   | 144   | 134   | 186   | 462   | 1,035 | 2,845 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.23** Age-specific rates of hospitalisation for falls, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |         |         |
|-------|-----------|-------|-------|-------|-------|-------|-------|---------|---------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79   | 80+     |
| 2001  | 917.8     | 486.9 | 198.8 | 204.2 | 151.1 | 327.2 | 572.9 | 1,598.5 | 6,933.0 |
| 2002  | 917.8     | 535.6 | 369.3 | 225.7 | 292.2 | 327.2 | 626.6 | 1,918.2 | 7,677.2 |
| 2003  | 1,022.1   | 564.8 | 298.3 | 214.9 | 352.7 | 484.2 | 930.9 | 2,557.5 | 7,520.6 |
| 2004  | 709.2     | 399.3 | 440.3 | 171.9 | 352.7 | 314.1 | 590.8 | 1,875.5 | 8,969.8 |
| 2005  | 688.4     | 555.1 | 255.6 | 311.6 | 302.3 | 301.0 | 608.7 | 1,896.8 | 9,439.9 |
| TOTAL | 851.1     | 508.3 | 312.5 | 225.7 | 290.2 | 350.7 | 666.0 | 1,969.3 | 8,108.1 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.24** Age-specific rates of hospitalisation for falls, New Zealand, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |         |          |
|-------|-----------|-------|-------|-------|-------|-------|-------|---------|----------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79   | 80+      |
| 2001  | 806.9     | 597.2 | 407.7 | 297.4 | 317.0 | 453.8 | 792.7 | 2,359.9 | 8,843.9  |
| 2002  | 836.0     | 594.3 | 433.8 | 315.6 | 342.8 | 464.6 | 847.9 | 2,368.2 | 9,448.5  |
| 2003  | 805.8     | 579.4 | 408.7 | 298.6 | 346.5 | 503.9 | 847.5 | 2,439.0 | 9,845.9  |
| 2004  | 749.3     | 548.2 | 390.2 | 310.8 | 345.1 | 519.6 | 876.3 | 2,462.1 | 10,059.6 |
| 2005  | 782.5     | 561.3 | 428.3 | 314.1 | 393.3 | 545.6 | 964.7 | 2,502.3 | 10,394.5 |
| TOTAL | 796.1     | 576.1 | 413.7 | 307.3 | 349.0 | 497.5 | 865.8 | 2,426.3 | 9,718.5  |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.25:** Age standardised rates of hospitalisation for falls, New Plymouth District and New Zealand, 2001-2005

| YEAR  | NEW PLYMOUTH DISTRICT | NEW ZEALAND |
|-------|-----------------------|-------------|
| 2001  | 550.8                 | 679.6       |
| 2002  | 627.2                 | 706.0       |
| 2003  | 703.0                 | 700.7       |
| 2004  | 576.9                 | 687.2       |
| 2005  | 586.9                 | 722.2       |
| TOTAL | 609.0                 | 699.1       |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## **EXPOSURE TO INANIMATE MECHANICAL FORCES**

**Table A.26:** Number of hospitalisations for exposure to inanimate mechanical forces, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |     | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |       |
| 2001  | 29        | 39    | 30    | 23    | 31    | 21    | 4     | 9     | 12  | 198   |
| 2002  | 34        | 46    | 23    | 27    | 25    | 23    | 14    | 9     | 11  | 212   |
| 2003  | 36        | 31    | 27    | 32    | 44    | 17    | 9     | 10    | 12  | 218   |
| 2004  | 19        | 16    | 31    | 24    | 24    | 21    | 14    | 13    | 8   | 170   |
| 2005  | 24        | 35    | 30    | 40    | 34    | 21    | 8     | 17    | 6   | 215   |
| TOTAL | 142       | 167   | 141   | 146   | 158   | 103   | 49    | 58    | 49  | 1,013 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.27:** Age-specific rates of hospitalisation for exposure to inanimate mechanical forces, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |
| 2001  | 302.5     | 379.8 | 426.1 | 247.2 | 312.4 | 274.8 | 71.6  | 191.8 | 470.0 |
| 2002  | 354.6     | 448.0 | 326.7 | 290.1 | 251.9 | 301.0 | 250.6 | 191.8 | 430.9 |
| 2003  | 375.5     | 301.9 | 383.5 | 343.9 | 443.4 | 222.5 | 161.1 | 213.1 | 470.0 |
| 2004  | 198.2     | 155.8 | 440.3 | 257.9 | 241.8 | 274.8 | 250.6 | 277.1 | 313.4 |
| 2005  | 250.3     | 340.8 | 426.1 | 429.8 | 342.6 | 274.8 | 143.2 | 362.3 | 235.0 |
| TOTAL | 296.2     | 325.3 | 400.5 | 313.8 | 318.4 | 269.6 | 175.4 | 247.2 | 383.9 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.28:** Age-specific rates of hospitalisation for exposure to inanimate mechanical forces, New Zealand, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |
| 2001  | 372.6     | 355.3 | 438.6 | 357.2 | 303.9 | 270.8 | 244.3 | 259.9 | 428.2 |
| 2002  | 385.4     | 374.7 | 436.7 | 395.5 | 342.8 | 305.8 | 255.2 | 294.6 | 473.4 |
| 2003  | 370.7     | 369.3 | 429.8 | 370.5 | 342.1 | 310.9 | 247.7 | 273.8 | 512.3 |
| 2004  | 348.3     | 364.2 | 452.4 | 357.5 | 341.6 | 318.7 | 289.1 | 241.0 | 409.2 |
| 2005  | 362.4     | 382.5 | 499.3 | 367.9 | 370.3 | 324.7 | 300.1 | 234.5 | 420.0 |
| TOTAL | 367.9     | 369.2 | 451.3 | 369.7 | 340.1 | 306.2 | 267.3 | 260.8 | 448.6 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.29:** Age standardised rates of hospitalisation for exposure to inanimate mechanical forces, New Plymouth District and New Zealand, 2001-2005

| YEAR  | NEW PLYMOUTH DISTRICT | NEW ZEALAND |
|-------|-----------------------|-------------|
| 2001  | 310.4                 | 349.0       |
| 2002  | 330.7                 | 369.7       |
| 2003  | 335.2                 | 361.0       |
| 2004  | 255.8                 | 358.7       |
| 2005  | 325.3                 | 378.5       |
| TOTAL | 311.5                 | 363.4       |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## TRANSPORT-RELATED ACCIDENTS

**Table A.30:** Number of hospitalisations for traffic related accidents, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |     | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |       |
| 2001  | 19        | 48    | 26    | 25    | 20    | 12    | 9     | 15    | 9   | 183   |
| 2002  | 17        | 33    | 19    | 30    | 21    | 20    | 11    | 5     | 10  | 166   |
| 2003  | 21        | 48    | 32    | 34    | 25    | 18    | 8     | 9     | 11  | 206   |
| 2004  | 7         | 45    | 36    | 36    | 36    | 20    | 19    | 13    | 6   | 218   |
| 2005  | 17        | 45    | 15    | 29    | 27    | 12    | 2     | 16    | 12  | 175   |
| TOTAL | 81        | 219   | 128   | 154   | 129   | 82    | 49    | 58    | 48  | 948   |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.31:** Age-specific rates of hospitalisation for traffic related accidents, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |
| 2001  | 198.2     | 467.4 | 369.3 | 268.6 | 201.5 | 157.0 | 161.1 | 319.7 | 352.5 |
| 2002  | 177.3     | 321.4 | 269.8 | 322.4 | 211.6 | 261.7 | 196.9 | 106.6 | 391.7 |
| 2003  | 219.0     | 467.4 | 454.5 | 365.4 | 251.9 | 235.6 | 143.2 | 191.8 | 430.9 |
| 2004  | 73.0      | 438.2 | 511.3 | 386.8 | 362.8 | 261.7 | 340.1 | 277.1 | 235.0 |
| 2005  | 177.3     | 438.2 | 213.0 | 311.6 | 272.1 | 157.0 | 35.8  | 341.0 | 470.0 |
| TOTAL | 169.0     | 426.5 | 363.6 | 331.0 | 260.0 | 214.6 | 175.4 | 247.2 | 376.0 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.32:** Age-specific rates of hospitalisation for traffic related accidents, New Zealand, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |
| 2001  | 183.1     | 500.6 | 492.6 | 325.2 | 251.7 | 211.9 | 202.8 | 277.1 | 374.8 |
| 2002  | 171.1     | 472.3 | 482.7 | 332.4 | 272.0 | 240.7 | 218.6 | 252.5 | 405.5 |
| 2003  | 179.4     | 507.9 | 460.1 | 323.1 | 283.0 | 250.4 | 228.8 | 240.1 | 390.1 |
| 2004  | 167.5     | 505.6 | 453.2 | 320.0 | 294.2 | 249.9 | 223.7 | 275.7 | 421.8 |
| 2005  | 177.2     | 552.0 | 491.5 | 350.6 | 326.0 | 289.7 | 246.3 | 290.5 | 443.6 |
| TOTAL | 175.7     | 507.7 | 476.0 | 330.2 | 285.4 | 248.5 | 224.0 | 267.2 | 407.2 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.33:** Age standardised rates of hospitalisation for traffic related accidents, New Plymouth District and New Zealand, 2001-2005

| YEAR  | NEW PLYMOUTH DISTRICT | NEW ZEALAND |
|-------|-----------------------|-------------|
| 2001  | 281.8                 | 323.8       |
| 2002  | 248.6                 | 321.0       |
| 2003  | 320.4                 | 326.9       |
| 2004  | 324.7                 | 324.7       |
| 2005  | 253.6                 | 354.6       |
| TOTAL | 285.8                 | 330.2       |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## ***INTENTIONAL INJURIES***

### **All intentional injuries**

**Table A.34:** Number of hospitalisations for all types of intentional injury, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |     | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |       |
| 2001  | 0         | 13    | 34    | 29    | 29    | 4     | 2     | 0     | 4   | 115   |
| 2002  | 1         | 17    | 24    | 27    | 21    | 4     | 0     | 1     | 0   | 95    |
| 2003  | 0         | 16    | 19    | 29    | 22    | 3     | 1     | 0     | 2   | 92    |
| 2004  | 0         | 19    | 29    | 39    | 21    | 7     | 2     | 0     | 2   | 119   |
| 2005  | 5         | 27    | 25    | 22    | 28    | 7     | 2     | 0     | 0   | 116   |
| TOTAL | 6         | 92    | 131   | 146   | 121   | 25    | 7     | 1     | 8   | 537   |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.35:** Age-specific rates of hospitalisation for all types of intentional injury, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |
| 2001  | 0.0       | 126.6 | 482.9 | 311.6 | 292.2 | 52.3  | 35.8  | 0.0   | 156.7 |
| 2002  | 10.4      | 165.5 | 340.9 | 290.1 | 211.6 | 52.3  | 0.0   | 21.3  | 0.0   |
| 2003  | 0.0       | 155.8 | 269.8 | 311.6 | 221.7 | 39.3  | 17.9  | 0.0   | 78.3  |
| 2004  | 0.0       | 185.0 | 411.9 | 419.1 | 211.6 | 91.6  | 35.8  | 0.0   | 78.3  |
| 2005  | 52.1      | 262.9 | 355.1 | 236.4 | 282.1 | 91.6  | 35.8  | 0.0   | 0.0   |
| TOTAL | 12.5      | 179.2 | 372.1 | 313.8 | 243.9 | 65.4  | 25.1  | 4.3   | 62.7  |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.36:** Age-specific rates of hospitalisation for all types of intentional injury, New Zealand, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |      |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+  |
| 2001  | 20.9      | 318.4 | 534.5 | 376.6 | 244.4 | 120.3 | 59.9  | 58.3  | 55.2 |
| 2002  | 20.0      | 302.7 | 557.5 | 376.1 | 265.3 | 117.6 | 52.4  | 46.3  | 60.6 |
| 2003  | 18.4      | 317.5 | 555.0 | 381.3 | 264.6 | 134.4 | 64.7  | 56.0  | 68.8 |
| 2004  | 18.5      | 328.3 | 532.4 | 370.5 | 271.5 | 151.6 | 66.8  | 44.4  | 52.5 |
| 2005  | 18.7      | 343.0 | 546.9 | 355.0 | 292.4 | 157.2 | 62.0  | 34.2  | 48.9 |
| TOTAL | 19.3      | 322.0 | 545.3 | 371.9 | 267.6 | 136.2 | 61.2  | 47.8  | 57.2 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.37:** Age-standardised rates of hospitalisation for all types of intentional injuries, New Plymouth District and New Zealand, 2001-2005

| YEAR  | NEW PLYMOUTH DISTRICT | NEW ZEALAND |
|-------|-----------------------|-------------|
| 2001  | 181.3                 | 239.3       |
| 2002  | 152.2                 | 241.3       |
| 2003  | 140.8                 | 246.5       |
| 2004  | 186.4                 | 245.6       |
| 2005  | 188.6                 | 251.0       |
| TOTAL | 169.9                 | 244.7       |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## Self-inflicted harm

**Table A.38:** Number of hospitalisations for self-inflicted harm, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |     | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |       |
| 2001  | 0         | 6     | 20    | 23    | 20    | 3     | 1     | 0     | 4   | 77    |
| 2002  | 0         | 10    | 15    | 25    | 18    | 3     | 0     | 1     | 0   | 72    |
| 2003  | 0         | 12    | 13    | 23    | 16    | 2     | 0     | 0     | 2   | 68    |
| 2004  | 0         | 15    | 19    | 26    | 11    | 7     | 2     | 0     | 1   | 81    |
| 2005  | 1         | 18    | 18    | 18    | 22    | 4     | 1     | 0     | 0   | 82    |
| TOTAL | 1         | 61    | 85    | 115   | 87    | 19    | 4     | 1     | 7   | 380   |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.39:** Age-specific rates of hospitalisation for self-inflicted harm, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |
| 2001  | 0.0       | 58.4  | 284.1 | 247.2 | 201.5 | 39.3  | 17.9  | 0.0   | 156.7 |
| 2002  | 0.0       | 97.4  | 213.0 | 268.6 | 181.4 | 39.3  | 0.0   | 21.3  | 0.0   |
| 2003  | 0.0       | 116.9 | 184.6 | 247.2 | 161.2 | 26.2  | 0.0   | 0.0   | 78.3  |
| 2004  | 0.0       | 146.1 | 269.8 | 279.4 | 110.8 | 91.6  | 35.8  | 0.0   | 39.2  |
| 2005  | 10.4      | 175.3 | 255.6 | 193.4 | 221.7 | 52.3  | 17.9  | 0.0   | 0.0   |
| TOTAL | 2.1       | 118.8 | 241.4 | 247.2 | 175.3 | 49.7  | 14.3  | 4.3   | 54.8  |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.40:** Age-specific rates of hospitalisation for self-inflicted harm, New Zealand, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |      |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+  |
| 2001  | 0.6       | 158.0 | 261.7 | 221.6 | 156.5 | 84.2  | 42.8  | 47.6  | 37.1 |
| 2002  | 0.5       | 144.0 | 269.3 | 228.1 | 176.8 | 78.7  | 32.9  | 33.3  | 48.0 |
| 2003  | 0.2       | 164.1 | 277.5 | 231.0 | 175.9 | 92.0  | 42.8  | 37.5  | 48.9 |
| 2004  | 0.2       | 170.1 | 252.4 | 209.7 | 179.5 | 104.5 | 44.2  | 34.7  | 37.1 |
| 2005  | 0.2       | 166.5 | 245.5 | 195.6 | 183.9 | 103.8 | 38.0  | 23.6  | 37.1 |
| TOTAL | 0.3       | 160.5 | 261.3 | 217.2 | 174.5 | 92.6  | 40.1  | 35.3  | 41.6 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.41:** Age-standardised rates of hospitalisation for self-inflicted harm, New Plymouth District and New Zealand, 2001-2005

| YEAR  | NEW PLYMOUTH DISTRICT | NEW ZEALAND |
|-------|-----------------------|-------------|
| 2001  | 116.2                 | 128.2       |
| 2002  | 109.8                 | 128.6       |
| 2003  | 102.7                 | 135.7       |
| 2004  | 127.4                 | 131.6       |
| 2005  | 130.5                 | 127.9       |
| TOTAL | 117.3                 | 130.4       |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## Assault

**Table A.42:** Number of hospitalisations for assault, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |     | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |       |
| 2001  | 0         | 7     | 14    | 6     | 9     | 1     | 1     | 0     | 0   | 38    |
| 2002  | 1         | 7     | 9     | 2     | 3     | 1     | 0     | 0     | 0   | 23    |
| 2003  | 0         | 4     | 6     | 6     | 6     | 1     | 1     | 0     | 0   | 24    |
| 2004  | 0         | 4     | 10    | 13    | 10    | 0     | 0     | 0     | 1   | 38    |
| 2005  | 4         | 9     | 7     | 4     | 6     | 3     | 1     | 0     | 0   | 34    |
| TOTAL | 5         | 31    | 46    | 31    | 34    | 6     | 3     | 0     | 1   | 157   |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.43:** Age-specific rates of hospitalisation for assault, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |      |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+  |
| 2001  | 0.0       | 68.2  | 198.8 | 64.5  | 90.7  | 13.1  | 17.9  | 0.0   | 0.0  |
| 2002  | 10.4      | 68.2  | 127.8 | 21.5  | 30.2  | 13.1  | 0.0   | 0.0   | 0.0  |
| 2003  | 0.0       | 39.0  | 85.2  | 64.5  | 60.5  | 13.1  | 17.9  | 0.0   | 0.0  |
| 2004  | 0.0       | 39.0  | 142.0 | 139.7 | 100.8 | 0.0   | 0.0   | 0.0   | 39.2 |
| 2005  | 41.7      | 87.6  | 99.4  | 43.0  | 60.5  | 39.3  | 17.9  | 0.0   | 0.0  |
| TOTAL | 10.4      | 60.4  | 130.7 | 66.6  | 68.5  | 15.7  | 10.7  | 0.0   | 7.8  |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.44:** Age-specific rates of hospitalisation for assault, New Zealand, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |      |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+  |
| 2001  | 20.3      | 160.3 | 272.8 | 155.0 | 88.0  | 36.1  | 17.1  | 10.6  | 18.1 |
| 2002  | 19.5      | 158.7 | 288.2 | 148.0 | 88.5  | 38.9  | 19.5  | 13.0  | 12.7 |
| 2003  | 18.2      | 153.5 | 277.5 | 150.3 | 88.7  | 42.3  | 21.9  | 18.5  | 19.9 |
| 2004  | 18.4      | 158.2 | 280.0 | 160.9 | 92.0  | 47.2  | 22.6  | 9.7   | 15.4 |
| 2005  | 18.5      | 176.5 | 301.3 | 159.4 | 108.5 | 53.4  | 24.0  | 10.6  | 11.8 |
| TOTAL | 19.0      | 161.4 | 284.0 | 154.7 | 93.1  | 43.6  | 21.0  | 12.5  | 15.6 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.45:** Age-standardised rates of hospitalisation for assault, New Plymouth District and New Zealand, 2001-2005

| YEAR  | NEW PLYMOUTH DISTRICT | NEW ZEALAND |
|-------|-----------------------|-------------|
| 2001  | 65.1                  | 111.1       |
| 2002  | 42.4                  | 112.7       |
| 2003  | 38.1                  | 110.8       |
| 2004  | 59.0                  | 113.9       |
| 2005  | 58.1                  | 123.1       |
| TOTAL | 52.5                  | 114.3       |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## **INJURY AND GENDER**

**Table A.46:** Males, number of hospitalisations for all types of injury, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |     | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |       |
| 2001  | 99        | 128   | 128   | 81    | 73    | 63    | 40    | 48    | 62  | 722   |
| 2002  | 110       | 138   | 94    | 80    | 84    | 60    | 42    | 42    | 75  | 725   |
| 2003  | 103       | 111   | 106   | 110   | 111   | 68    | 39    | 67    | 67  | 782   |
| 2004  | 82        | 98    | 112   | 97    | 113   | 62    | 46    | 45    | 86  | 741   |
| 2005  | 84        | 138   | 79    | 107   | 106   | 55    | 43    | 60    | 67  | 739   |
| TOTAL | 478       | 613   | 519   | 475   | 487   | 308   | 210   | 262   | 357 | 3,709 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.47:** Females, number of hospitalisations for all types of injury, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |     | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |       |
| 2001  | 85        | 66    | 30    | 46    | 58    | 34    | 31    | 80    | 152 | 582   |
| 2002  | 80        | 50    | 32    | 60    | 50    | 36    | 40    | 80    | 168 | 596   |
| 2003  | 92        | 71    | 31    | 52    | 62    | 43    | 45    | 119   | 163 | 678   |
| 2004  | 45        | 50    | 49    | 49    | 48    | 42    | 43    | 92    | 191 | 609   |
| 2005  | 61        | 66    | 35    | 45    | 50    | 43    | 29    | 92    | 227 | 648   |
| TOTAL | 363       | 303   | 177   | 252   | 268   | 198   | 188   | 463   | 901 | 3,113 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.48:** Males, age-specific rates of hospitalisation for all types of injury, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |         |         |         |         |         |         |         |         |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
|       | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+     |
| 2001  | 2,018.3   | 2,403.8 | 3,723.1 | 1,850.6 | 1,528.5 | 1,666.7 | 1,479.8 | 2,339.2 | 7,029.5 |
| 2002  | 2,242.6   | 2,591.5 | 2,734.1 | 1,827.7 | 1,758.8 | 1,587.3 | 1,553.8 | 2,046.8 | 8,503.4 |
| 2003  | 2,099.9   | 2,084.5 | 3,083.2 | 2,513.1 | 2,324.1 | 1,798.9 | 1,442.8 | 3,265.1 | 7,596.4 |
| 2004  | 1,671.8   | 1,840.4 | 3,257.7 | 2,216.1 | 2,366.0 | 1,640.2 | 1,701.8 | 2,193.0 | 9,750.6 |
| 2005  | 1,712.5   | 2,591.5 | 2,297.8 | 2,444.6 | 2,219.4 | 1,455.0 | 1,590.8 | 2,924.0 | 7,596.4 |
| TOTAL | 1,949.0   | 2,302.3 | 3,019.2 | 2,170.4 | 2,039.4 | 1,629.6 | 1,553.8 | 2,553.6 | 8,095.2 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.49:** Females, age-specific rates of hospitalisation for all types of injury, New Plymouth District, 2001-2005

| YEAR  | AGE GROUP |         |         |         |         |         |         |         |          |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|       | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| 2001  | 1,815.1   | 1,335.0 | 832.6   | 933.3   | 1,126.7 | 880.6   | 1,075.3 | 3,030.3 | 9,096.3  |
| 2002  | 1,708.3   | 1,011.3 | 888.1   | 1,217.3 | 971.3   | 932.4   | 1,387.4 | 3,030.3 | 10,053.9 |
| 2003  | 1,964.6   | 1,436.1 | 860.4   | 1,055.0 | 1,204.4 | 1,113.7 | 1,560.9 | 4,507.6 | 9,754.6  |
| 2004  | 960.9     | 1,011.3 | 1,360.0 | 994.1   | 932.4   | 1,087.8 | 1,491.5 | 3,484.8 | 11,430.3 |
| 2005  | 1,302.6   | 1,335.0 | 971.4   | 913.0   | 971.3   | 1,113.7 | 1,005.9 | 3,484.8 | 13,584.7 |
| TOTAL | 1,550.3   | 1,225.7 | 982.5   | 1,022.5 | 1,041.2 | 1,025.6 | 1,304.2 | 3,507.6 | 10,784.0 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.50:** Age-standardised rates of hospitalisation for all types of injury, males and females, New Plymouth District, 2001-2005

| YEAR  | MALE ASR | FEMALE ASR |
|-------|----------|------------|
| 2001  | 2,272.0  | 1,356.4    |
| 2002  | 2,225.8  | 1,335.1    |
| 2003  | 2,347.8  | 1,541.7    |
| 2004  | 2,200.2  | 1,263.4    |
| 2005  | 2,176.6  | 1,319.4    |
| TOTAL | 2,244.5  | 1,363.2    |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## MÄORI AND INJURY HOSPITALISATIONS

**Table A.51:** Mäori, number of hospitalisations for all types of injury, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |     | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |       |
| 2001  | 45        | 23    | 24    | 15    | 11    | 4     | 1     | 7     | 3   | 133   |
| 2002  | 41        | 35    | 29    | 17    | 19    | 9     | 4     | 2     | 4   | 160   |
| 2003  | 48        | 19    | 17    | 22    | 20    | 8     | 7     | 4     | 1   | 146   |
| 2004  | 34        | 28    | 32    | 27    | 20    | 4     | 9     | 5     | 2   | 161   |
| 2005  | 32        | 35    | 29    | 24    | 20    | 6     | 5     | 3     | 3   | 157   |
| TOTAL | 200       | 140   | 131   | 105   | 90    | 31    | 26    | 21    | 13  | 757   |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.52:** Non-Mäori, number of hospitalisations for all types of injury, New Plymouth District, by age, 2001-2005

| YEAR  | AGE GROUP |       |       |       |       |       |       |       |       | TOTAL |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |       |
| 2001  | 139       | 171   | 134   | 112   | 120   | 93    | 70    | 121   | 211   | 1,171 |
| 2002  | 149       | 153   | 97    | 123   | 115   | 87    | 78    | 120   | 239   | 1,161 |
| 2003  | 147       | 163   | 120   | 140   | 153   | 103   | 77    | 182   | 229   | 1,314 |
| 2004  | 93        | 120   | 129   | 119   | 141   | 100   | 80    | 132   | 275   | 1,189 |
| 2005  | 113       | 169   | 85    | 128   | 136   | 92    | 67    | 149   | 291   | 1,230 |
| TOTAL | 641       | 776   | 565   | 622   | 665   | 475   | 372   | 704   | 1,245 | 6,065 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.53: Māori, age-specific rates of hospitalisation for all types of injury, New Plymouth District, 2001-2005**

| YEAR  | AGE GROUP |         |         |         |         |         |         |         |         |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
|       | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+     |
| 2001  | 2,054.8   | 1,172.3 | 1,956.0 | 1,272.3 | 1,145.8 | 789.0   | 333.3   | 5,072.5 | 6,666.7 |
| 2002  | 1,872.1   | 1,783.9 | 2,363.5 | 1,441.9 | 1,979.2 | 1,775.1 | 1,333.3 | 1,449.3 | 8,888.9 |
| 2003  | 2,191.8   | 968.4   | 1,385.5 | 1,866.0 | 2,083.3 | 1,577.9 | 2,333.3 | 2,898.6 | 2,222.2 |
| 2004  | 1,552.5   | 1,427.1 | 2,608.0 | 2,290.1 | 2,083.3 | 789.0   | 3,000.0 | 3,623.2 | 4,444.4 |
| 2005  | 1,461.2   | 1,783.9 | 2,363.5 | 2,035.6 | 2,083.3 | 1,183.4 | 1,666.7 | 2,173.9 | 6,666.7 |
| TOTAL | 1,826.5   | 1,427.1 | 2,135.3 | 1,781.2 | 1,875.0 | 1,222.9 | 1,733.3 | 3,043.5 | 5,777.8 |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.54: Non-Māori, age-specific rates of hospitalisation for all types of injury, New Plymouth District, 2001-2005**

| YEAR  | AGE GROUP |         |         |         |         |         |         |         |          |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|       | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| 2001  | 1,878.9   | 2,058.5 | 2,304.8 | 1,378.1 | 1,338.7 | 1,303.6 | 1,324.3 | 2,657.0 | 8,413.1  |
| 2002  | 2,014.1   | 1,841.8 | 1,668.4 | 1,513.5 | 1,282.9 | 1,219.5 | 1,475.6 | 2,635.0 | 9,529.5  |
| 2003  | 1,987.0   | 1,962.2 | 2,064.0 | 1,722.7 | 1,706.8 | 1,443.8 | 1,456.7 | 3,996.5 | 9,130.8  |
| 2004  | 1,257.1   | 1,444.6 | 2,218.8 | 1,464.3 | 1,573.0 | 1,401.7 | 1,513.4 | 2,898.6 | 10,964.9 |
| 2005  | 1,527.4   | 2,034.4 | 1,462.0 | 1,575.0 | 1,517.2 | 1,289.6 | 1,267.5 | 3,271.8 | 11,602.9 |
| TOTAL | 1,732.9   | 1,868.3 | 1,943.6 | 1,530.7 | 1,483.7 | 1,331.7 | 1,407.5 | 3,091.8 | 9,928.2  |

Source: Data supplied by New Zealand Health Information Service

Note: Data for 2005 are provisional

**Table A.55: Māori and non-Māori, age-standardised rates of hospitalisation for all types of injury, New Plymouth District, 2001-2005**

| YEAR  | MĀORI   | NON-MĀORI |
|-------|---------|-----------|
| 2001  | 1,579.4 | 1,852.5   |
| 2002  | 1,907.1 | 1,764.5   |
| 2003  | 1,766.6 | 1,975.2   |
| 2004  | 1,974.7 | 1,684.8   |
| 2005  | 1,870.1 | 1,726.2   |
| TOTAL | 1,819.6 | 1,800.6   |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## INJURY HOSPITALISATION BY RURAL / URBAN CATEGORY

**Table A.56:** Number of hospitalisations for all types of injury, by rural / urban category, New Plymouth District, by age, 2001-2005

| RURAL / URBAN CATEGORY      | AGE GROUP |       |       |       |       |       |       |       |       | TOTAL |
|-----------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                             | 0-9       | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |       |
| Urban Areas                 | 589       | 664   | 522   | 549   | 559   | 372   | 288   | 568   | 1,078 | 5,189 |
| Satellite Urban Communities | 150       | 131   | 89    | 99    | 93    | 60    | 58    | 100   | 126   | 906   |
| Rural Areas                 | 102       | 121   | 84    | 77    | 103   | 71    | 52    | 57    | 54    | 721   |
| Total                       | 841       | 916   | 695   | 725   | 755   | 503   | 398   | 725   | 1,258 | 6,816 |

Source: Data supplied by New Zealand Health Information Service

**Table A.57:** Age-specific rates for all types of injury, by rural / urban category, New Plymouth District, 2001-2005

| RURAL / URBAN CATEGORY      | AGE GROUP |         |         |         |         |         |         |         |          |
|-----------------------------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|                             | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| Urban Areas                 | 1,793.8   | 1,831.5 | 2,004.6 | 1,674.3 | 1,581.8 | 1,380.1 | 1,415.9 | 3,190.1 | 10,150.7 |
| Satellite Urban Communities | 2,012.1   | 1,958.1 | 1,798.0 | 1,594.2 | 1,542.3 | 1,212.1 | 1,426.8 | 2,574.0 | 7,850.5  |
| Rural Areas                 | 1,315.3   | 1,425.2 | 1,992.9 | 1,016.5 | 1,250.8 | 1,137.8 | 1,475.2 | 3,140.5 | 10,285.7 |
| Total                       | 1,750.4   | 1,780.9 | 1,974.2 | 1,556.6 | 1,522.0 | 1,318.7 | 1,425.0 | 3,084.5 | 9,866.7  |

Source: Data supplied by New Zealand Health Information Service

**Table A.58:** Age-standardised rates of hospitalisation for all types of injury, by rural / urban category, New Plymouth District, 2001-2005

| RURAL / URBAN CATEGORY      | ASR     |
|-----------------------------|---------|
| Urban Areas                 | 1,856.3 |
| Satellite Urban Communities | 1,823.9 |
| Rural Areas                 | 1,539.6 |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

## HOPITALISATION AND NZDEP2001 DEPRIVATION LEVELS

**Table A.59:** Age-specific rates for all types of injury, by NZDep2001 deprivation index groupings, New Plymouth District, 2001-2005

| NZDEP2001 GROUP | AGE GROUP |         |         |         |         |         |         |         |          |
|-----------------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|                 | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| NZDep 1-3       | 1,267.7   | 1,383.6 | 1,541.1 | 1,042.2 | 996.3   | 855.7   | 1,144.3 | 3,105.4 | 10,161.8 |
| NZDep 4-7       | 1,806.7   | 1,811.5 | 1,858.4 | 1,560.9 | 1,513.6 | 1,504.7 | 1,417.0 | 2,717.4 | 9,166.7  |
| NZDep8-10       | 2,084.9   | 2,149.4 | 2,508.3 | 2,063.1 | 2,203.4 | 1,440.5 | 1,680.8 | 3,818.2 | 11,415.5 |

Source: Data supplied by New Zealand Health Information Service

**Table A.60:** Age-standardised rates of hospitalisation for all types of injury, by NZDep2001 deprivation index groupings, 2001-2005

| NZDEP2001 GROUP | ASR     |
|-----------------|---------|
| NZDep 1-3       | 1,371.1 |
| NZDep 4-7       | 1,797.6 |
| NZDep8-10       | 2,234.9 |

Source: Data supplied by New Zealand Health Information Service

Age-standardised to Segi's World Population

## LONG TERM TRENDS

**Table A.61:** Age-standardised rates of hospitalisation for all types of injury, New Plymouth District and New Zealand, 1989-2005

| YEAR | ASR                   | ASR         |
|------|-----------------------|-------------|
|      | NEW PLYMOUTH DISTRICT | NEW ZEALAND |
| 1989 | 1,822.5               | 1,494.8     |
| 1990 | 2,178.6               | 1,633.7     |
| 1991 | 1,918.5               | 1,606.7     |
| 1992 | 1,809.0               | 1,619.8     |
| 1993 | 1,996.8               | 1,805.4     |
| 1994 | 1,862.9               | 1,810.5     |
| 1995 | 1,984.5               | 1,759.7     |
| 1996 | 1,837.6               | 1,776.6     |
| 1997 | 1,886.1               | 1,793.6     |
| 1998 | 1,863.2               | 1,837.4     |
| 1999 | 1,607.4               | 1,871.6     |
| 2000 | 1,863.6               | 2,058.1     |
| 2001 | 1,826.8               | 2,065.6     |
| 2002 | 1,785.7               | 2,095.9     |
| 2003 | 1,944.8               | 2,077.7     |
| 2004 | 1,729.8               | 2,063.7     |
| 2005 | 1,754.4               | 2,201.6     |

Source: Data supplied by New Zealand Health Information Service

Calculated using ICD-9 injury codes. Data for years 2001-2005 back coded to ICD-9.

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

**Table A.62: Age-specific rates of hospitalisation for all types of injury, New Plymouth District, 1989-2005**

| YEAR | AGE GROUP |         |         |         |         |         |         |         |          |
|------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|      | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| 1989 | 2,122.4   | 2,409.0 | 2,291.3 | 1,166.4 | 1,012.7 | 979.9   | 1,228.0 | 2,208.5 | 5,342.2  |
| 1990 | 2,508.3   | 2,847.0 | 2,757.9 | 1,860.4 | 1,289.9 | 1,154.9 | 1,050.0 | 2,028.8 | 5,676.1  |
| 1991 | 1,966.2   | 2,180.9 | 2,954.9 | 1,552.0 | 1,217.6 | 1,137.4 | 1,192.4 | 2,003.1 | 4,229.3  |
| 1992 | 1,874.3   | 2,080.5 | 2,623.1 | 1,706.2 | 1,217.6 | 892.4   | 1,139.0 | 1,438.1 | 4,841.4  |
| 1993 | 2,039.7   | 2,363.4 | 2,799.4 | 1,792.9 | 1,398.4 | 1,189.9 | 943.2   | 2,285.6 | 5,008.3  |
| 1994 | 1,997.9   | 2,673.7 | 2,412.8 | 1,676.1 | 890.7   | 825.5   | 987.4   | 2,087.7 | 4,201.7  |
| 1995 | 1,950.8   | 2,478.5 | 2,870.2 | 1,666.7 | 1,414.6 | 778.8   | 1,024.0 | 2,296.5 | 6,956.1  |
| 1996 | 1,884.8   | 1,971.1 | 2,355.6 | 1,403.0 | 1,886.2 | 934.6   | 786.2   | 2,458.8 | 8,356.7  |
| 1997 | 2,063.9   | 2,146.8 | 2,172.7 | 1,299.4 | 1,655.7 | 1,152.6 | 1,060.5 | 2,714.0 | 8,403.4  |
| 1998 | 2,092.2   | 2,127.2 | 2,229.8 | 1,563.1 | 1,278.4 | 1,028.0 | 877.7   | 2,528.4 | 9,243.7  |
| 1999 | 1,809.4   | 1,834.5 | 1,692.4 | 1,224.1 | 1,006.0 | 996.9   | 1,151.9 | 2,644.4 | 9,103.6  |
| 2000 | 2,092.2   | 2,185.8 | 1,726.7 | 1,026.4 | 1,383.2 | 1,760.1 | 1,426.2 | 2,551.6 | 10,971.1 |
| 2001 | 1,929.5   | 1,898.9 | 2,244.0 | 1,364.7 | 1,350.3 | 1,295.6 | 1,324.7 | 2,749.4 | 8,382.3  |
| 2002 | 1,981.6   | 1,830.8 | 1,803.7 | 1,504.4 | 1,350.3 | 1,256.4 | 1,468.0 | 2,600.2 | 9,518.2  |
| 2003 | 2,033.8   | 1,772.3 | 1,959.9 | 1,751.6 | 1,743.2 | 1,452.7 | 1,503.8 | 3,964.2 | 9,048.2  |
| 2004 | 1,324.6   | 1,441.2 | 2,286.6 | 1,568.9 | 1,622.3 | 1,361.1 | 1,593.3 | 2,919.9 | 10,850.0 |
| 2005 | 1,512.3   | 1,986.6 | 1,619.1 | 1,644.1 | 1,571.9 | 1,295.6 | 1,288.9 | 3,239.6 | 11,515.9 |

Source: Data supplied by New Zealand Health Information Service

Calculated using ICD-9 injury codes. Data for years 2001-2005 back coded to ICD-9.

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

**Table A.63: Age-specific rates of hospitalisation for all types of injury, New Zealand, 1989-2005**

| YEAR | AGE GROUP |         |         |         |         |         |         |         |          |
|------|-----------|---------|---------|---------|---------|---------|---------|---------|----------|
|      | 0-9       | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | 70-79   | 80+      |
| 1989 | 1,485.3   | 1,990.4 | 2,065.2 | 1,144.2 | 833.8   | 828.6   | 914.9   | 1,813.9 | 4,900.5  |
| 1990 | 1,704.4   | 2,085.1 | 2,214.8 | 1,273.6 | 943.0   | 913.2   | 1,018.4 | 1,892.0 | 5,281.4  |
| 1991 | 1,682.3   | 1,924.3 | 2,198.7 | 1,321.8 | 955.7   | 883.6   | 1,040.8 | 1,936.0 | 5,465.5  |
| 1992 | 1,755.4   | 1,848.2 | 2,119.1 | 1,333.7 | 1,014.9 | 959.8   | 1,047.6 | 2,049.5 | 5,886.3  |
| 1993 | 2,160.2   | 2,076.0 | 2,214.2 | 1,433.5 | 1,108.5 | 1,054.8 | 1,099.1 | 2,074.0 | 6,307.1  |
| 1994 | 2,155.5   | 2,211.8 | 2,295.9 | 1,366.0 | 995.9   | 962.0   | 1,175.1 | 2,114.3 | 5,515.7  |
| 1995 | 1,931.7   | 2,052.7 | 2,284.1 | 1,402.6 | 1,046.1 | 1,004.0 | 1,199.7 | 2,214.8 | 6,512.0  |
| 1996 | 1,954.9   | 1,958.8 | 2,157.7 | 1,427.8 | 1,073.3 | 1,075.2 | 1,297.4 | 2,597.6 | 8,300.8  |
| 1997 | 1,905.6   | 1,994.4 | 2,030.4 | 1,471.6 | 1,181.7 | 1,189.0 | 1,340.6 | 2,791.5 | 8,753.1  |
| 1998 | 1,989.6   | 2,007.7 | 2,022.1 | 1,504.9 | 1,185.3 | 1,205.8 | 1,407.3 | 2,963.0 | 9,603.2  |
| 1999 | 1,886.8   | 2,005.2 | 1,995.0 | 1,560.9 | 1,315.7 | 1,376.7 | 1,524.8 | 3,190.6 | 10,477.9 |
| 2000 | 1,956.2   | 2,292.6 | 2,186.0 | 1,743.2 | 1,516.6 | 1,590.1 | 1,613.9 | 3,539.7 | 11,187.2 |
| 2001 | 1,838.5   | 2,211.3 | 2,447.8 | 1,831.0 | 1,539.8 | 1,450.6 | 1,716.6 | 3,563.9 | 10,924.9 |
| 2002 | 1,846.2   | 2,174.5 | 2,469.9 | 1,886.5 | 1,612.6 | 1,490.9 | 1,798.8 | 3,573.1 | 11,593.9 |
| 2003 | 1,790.4   | 2,173.3 | 2,371.1 | 1,825.8 | 1,632.2 | 1,570.5 | 1,819.7 | 3,616.1 | 12,107.1 |
| 2004 | 1,698.7   | 2,147.7 | 2,325.4 | 1,795.6 | 1,690.3 | 1,645.3 | 1,902.6 | 3,631.4 | 12,282.8 |
| 2005 | 1,791.6   | 2,305.9 | 2,533.7 | 1,849.7 | 1,845.0 | 1,785.6 | 2,044.8 | 3,748.4 | 12,732.6 |

Source: Data supplied by New Zealand Health Information Service

Calculated using ICD-9 injury codes. Data for years 2001-2005 back coded to ICD-9.

Age-standardised to Segi's World Population

Note: Data for 2005 are provisional

## EMERGENCY DEPARTMENT ATTENDANCES FOR INJURY

**Table A.64:** Taranaki DHB Emergency Department attendance numbers and rates for injury (per 100,000), New Plymouth District residents 2005, by age group and sex

| AGE GROUP                   | MALES |          | FEMALES |          | TOTAL |          |
|-----------------------------|-------|----------|---------|----------|-------|----------|
|                             | NOS.  | RATES    | NOS.    | RATES    | NOS.  | RATES    |
| 0-9                         | 564   | 11,498.5 | 429     | 9,160.8  | 1,017 | 10,607.0 |
| 10-19                       | 1,029 | 19,323.9 | 567     | 11,468.4 | 1,684 | 16,398.9 |
| 20-29                       | 796   | 23,153.0 | 295     | 8,187.6  | 1,146 | 16,276.1 |
| 30-39                       | 591   | 13,502.4 | 356     | 7,222.6  | 1,001 | 10,756.5 |
| 40-49                       | 480   | 10,050.3 | 310     | 6,021.8  | 841   | 8,474.4  |
| 50-59                       | 290   | 7,672.0  | 212     | 5,490.8  | 539   | 7,054.1  |
| 60-69                       | 154   | 5,697.4  | 122     | 4,231.7  | 297   | 5,316.9  |
| 70-79                       | 141   | 6,871.3  | 166     | 6,287.9  | 319   | 6,798.8  |
| 80+                         | 108   | 12,244.9 | 285     | 17,055.7 | 405   | 15,863.7 |
| TOTAL                       | 4,153 | 12,882.3 | 2,742   | 7,979.7  | 7,249 | 10,884.4 |
| Age-standardised rate (ASR) | -     | 1,3956.7 | -       | 8,128.6  | -     | 11,566.9 |

Source: Data supplied by Taranaki District Health Board.

Note: Age-standardised rates calculated using Segi's standard world population and ten-year age groups.

**Table A.65:** Taranaki DHB Emergency Department attendance numbers and age-standardised rates for injury (per 100,000), New Plymouth District residents 2005, by ethnicity and sex

| SEX     | MÄORI |                        | NON-MÄORI |                        |
|---------|-------|------------------------|-----------|------------------------|
|         | NOS.  | AGE-STANDARDISED RATES | NOS.      | AGE-STANDARDISED RATES |
| Males   | 587   | 13,315.9               | 3,566     | 14,244.0               |
| Females | 336   | 7,690.6                | 2,406     | 8,354.9                |
| TOTAL   | 923   | 10,538.2               | 5,972     | 11,264.8               |

Source: Data supplied by Taranaki District Health Board.

Notes: Age-standardised rates calculated using Segi's standard world population and ten-year age groups

Excludes data for people of unknown ethnicity.

**Table A.66:** Taranaki DHB Emergency Department attendance numbers and rates for injury (per 100,000), New Plymouth District residents 2005, by ethnicity and age

| AGE GROUPS | MÄORI |          | NON-MÄORI |          |
|------------|-------|----------|-----------|----------|
|            | NOS.  | RATES    | NOS.      | RATES    |
| 0-9        | 191   | 8,721.5  | 802       | 10,840.8 |
| 10-19      | 222   | 11,315.0 | 1,374     | 16,540.3 |
| 20-29      | 159   | 12,958.4 | 932       | 16,030.3 |
| 30-39      | 164   | 13,910.1 | 783       | 9,634.6  |
| 40-49      | 117   | 12,187.5 | 673       | 7,507.8  |
| 50-59      | 41    | 8,086.8  | 461       | 6,462.0  |
| 60-69      | 11    | 3,666.7  | 265       | 5,013.2  |
| 70-79      | 14    | 10,144.9 | 293       | 6,433.9  |
| 80+        | 4     | 8,888.9  | 389       | 15,510.4 |

Source: Data supplied by Taranaki District Health Board.

Notes: Excludes data for people of unknown ethnicity.

**Table A.67:** Taranaki DHB Emergency Department attendance numbers and percentages for injury, New Plymouth District residents 2005, by cause (mechanism) of injury and sex

| CAUSE / MECHANISM    | MALES |       | FEMALES |       | TOTAL |       |
|----------------------|-------|-------|---------|-------|-------|-------|
|                      | NO.   | %     | NO.     | %     | NO.   | %     |
| Allergic             | 12    | 0.4   | 13      | 0.7   | 25    | 0.5   |
| Assault              | 167   | 5.9   | 56      | 3.1   | 223   | 4.8   |
| Bite                 | 40    | 1.4   | 36      | 2.0   | 76    | 1.6   |
| Blunt trauma         | 930   | 32.7  | 486     | 26.7  | 1,416 | 30.4  |
| Drowning / immersion | 5     | 0.2   | 1       | 0.1   | 6     | 0.1   |
| Electrical           | 4     | 0.1   | 3       | 0.2   | 7     | 0.2   |
| Fall                 | 768   | 27.0  | 744     | 40.8  | 1,512 | 32.4  |
| Foreign body         | 203   | 7.1   | 53      | 2.9   | 256   | 5.5   |
| Hazardous substance  | 22    | 0.8   | 13      | 0.7   | 35    | 0.8   |
| Overdose             | 17    | 0.6   | 36      | 2.0   | 53    | 1.1   |
| Penetrating trauma   | 328   | 11.5  | 127     | 7.0   | 455   | 9.8   |
| Strain               | 172   | 6.1   | 158     | 8.7   | 330   | 7.1   |
| Thermal              | 62    | 2.2   | 30      | 1.6   | 92    | 2.0   |
| Other injury         | 111   | 3.9   | 67      | 3.7   | 178   | 3.8   |
| Total injury         | 2,841 | 100.0 | 1,823   | 100.0 | 4,664 | 100.0 |

Source: Data supplied by Taranaki District Health Board.

**Table A.68:** Taranaki DHB Emergency Department attendance numbers and age-standardised rates for injury (per 100,000), New Plymouth District residents 2005, by cause (mechanism) of injury and sex

| CAUSE              | MALES |         | FEMALES |         | TOTAL |         |
|--------------------|-------|---------|---------|---------|-------|---------|
|                    | NO.   | ASR     | NO.     | ASR     | NO.   | ASR     |
| Assault            | 167   | 586.6   | 56      | 190.9   | 223   | 334.8   |
| Blunt trauma       | 930   | 3,233.7 | 486     | 1,577.2 | 1,416 | 2,126.1 |
| Falls              | 768   | 2,571.2 | 744     | 1,929.2 | 1,512 | 2,270.3 |
| Foreign body       | 203   | 655.0   | 53      | 162.1   | 256   | 384.4   |
| Penetrating trauma | 328   | 1,095.3 | 127     | 418.7   | 455   | 683.2   |
| Strain             | 172   | 593.4   | 158     | 490.4   | 330   | 495.5   |
| Thermal            | 62    | 220.7   | 30      | 107.9   | 92    | 138.1   |
| Other              | 211   | 734.9   | 169     | 533.5   | 380   | 570.6   |
| Total              | 2,841 |         | 1,823   |         | 4,664 |         |

Source: Data supplied by Taranaki District Health Board.

Note: ASR = age-standardised rate

Age-standardised rates calculated using Segi's standard world population and ten-year age groups.

**Table A.69:** Taranaki DHB Emergency Department attendance numbers and rates for injury (per 100,000), New Plymouth District residents 2005, by cause (mechanism) of injury and age

| CAUSE              | 0-9 |         | 10-19 |         | 20-29 |         | 30-59 |         | 60+ |         |
|--------------------|-----|---------|-------|---------|-------|---------|-------|---------|-----|---------|
|                    | NO. | RATES   | NO.   | RATES   | NO.   | RATES   | NO.   | RATES   | NO. | RATES   |
| Assault            | 1   | 10.4    | 80    | 779.0   | 66    | 937.4   | 71    | 264.2   | 5   | 39.0    |
| Blunt trauma       | 170 | 1,773.0 | 457   | 4,450.3 | 264   | 3,749.5 | 426   | 1,585.4 | 99  | 771.6   |
| Falls              | 294 | 3,066.3 | 306   | 2,979.8 | 162   | 2,300.8 | 361   | 1,343.5 | 389 | 3,031.7 |
| Foreign body       | 43  | 448.5   | 30    | 292.1   | 32    | 454.5   | 126   | 468.9   | 25  | 194.8   |
| Penetrating trauma | 50  | 521.5   | 111   | 1,080.9 | 88    | 1,249.8 | 169   | 628.9   | 37  | 288.4   |
| Strain             | 19  | 198.2   | 82    | 798.5   | 74    | 1,051.0 | 130   | 483.8   | 25  | 194.8   |
| Thermal            | 24  | 250.3   | 19    | 185.0   | 15    | 213.0   | 31    | 115.4   | 3   | 23.4    |
| Other              | 62  | 646.6   | 74    | 720.6   | 66    | 937.4   | 151   | 561.9   | 27  | 210.4   |
| Total              | 663 |         | 1,159 |         | 767   |         | 1,465 |         | 610 |         |

Source: Data supplied by Taranaki District Health Board.

**Table A.70:** Taranaki DHB Emergency Department attendance numbers, percentages and age-standardised rates for injury (per 100,000), New Plymouth District residents 2005, by location (scene) of injury and sex

| LOCATION            | MALES |       |         | FEMALES |       |         | TOTAL |       |         |
|---------------------|-------|-------|---------|---------|-------|---------|-------|-------|---------|
|                     | NO.   | %     | ASR     | NO.     | %     | ASR     | NO.   | %     | ASR     |
| Domestic            | 1,193 | 42.0  | 3,975.4 | 1,064   | 58.4  | 2,930.0 | 2,257 | 48.4  | 3,460.5 |
| Public area         | 320   | 11.3  | 1,141.7 | 164     | 9.0   | 519.1   | 484   | 10.4  | 830.9   |
| School              | 120   | 4.2   | 447.2   | 84      | 4.6   | 343.8   | 204   | 4.4   | 397.6   |
| Sports / recreation | 449   | 15.8  | 1,626.0 | 205     | 11.2  | 692.9   | 654   | 14.0  | 1,156.4 |
| Vehicle             | 275   | 9.7   | 936.5   | 175     | 9.6   | 536.0   | 450   | 9.6   | 735.5   |
| Work                | 431   | 15.2  | 1,392.9 | 107     | 5.9   | 315.9   | 538   | 11.5  | 838.5   |
| Other               | 53    | 1.9   | 171.1   | 24      | 1.3   | 72.1    | 77    | 1.7   | 120.7   |
| TOTAL               | 2,841 | 100.0 |         | 1,823   | 100.0 |         | 4,664 | 100.0 |         |

Source: Data supplied by Taranaki District Health Board.

Note: ASR = age-standardised rate

Age-standardised rates calculated using Segi's standard world population and ten-year age groups.

**Table A.71:** Taranaki DHB Emergency Department attendance numbers and rates for injury (per 100,000), New Plymouth District residents 2005, by location (scene) of injury and age

| LOCATION            | 0-9        |                | 10-19       |                 | 20-29      |                 | 30-59       |                | 60+        |                |
|---------------------|------------|----------------|-------------|-----------------|------------|-----------------|-------------|----------------|------------|----------------|
|                     | NO.        | RATES          | NO.         | RATES           | NO.        | RATES           | NO.         | RATES          | NO.        | RATES          |
| Domestic            | 461        | 4,808.1        | 378         | 3,681.0         | 251        | 3,564.8         | 687         | 2,556.7        | 480        | 3,740.9        |
| Public area         | 60         | 625.8          | 150         | 1,460.7         | 111        | 1,576.5         | 117         | 435.4          | 46         | 358.5          |
| School              | 74         | 771.8          | 120         | 1,168.6         | 5          | 71.0            | 5           | 18.6           | 0          | 0.0            |
| Sports / recreation | 32         | 333.8          | 277         | 2,697.4         | 166        | 2,357.6         | 169         | 628.9          | 10         | 77.9           |
| Vehicle             | 30         | 312.9          | 163         | 1,587.3         | 81         | 1,150.4         | 135         | 502.4          | 41         | 319.5          |
| Work                | 0          | 0.0            | 56          | 545.3           | 140        | 1,988.4         | 319         | 1,187.2        | 23         | 179.3          |
| Other               | 6          | 62.6           | 15          | 146.1           | 13         | 184.6           | 33          | 122.8          | 10         | 77.9           |
| <b>TOTAL</b>        | <b>663</b> | <b>6,914.9</b> | <b>1159</b> | <b>11,286.4</b> | <b>767</b> | <b>10,893.3</b> | <b>1465</b> | <b>5,452.0</b> | <b>610</b> | <b>4,754.1</b> |

Source: Data supplied by Taranaki District Health Board.

## ACC INJURY CLAIMS

**Table A.72:** Number and rate (per 100,000) of ACC new entitlement claims for New Plymouth District, financial year 2005 / 2006, by age and sex

|                            | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|----------------------------|-----------------------|-------|-------------|-------|
| MALES                      | NO.                   | RATE  | NO.         | RATE  |
| 0-9*                       | 8                     | 163   | 717         | 251   |
| 10-19                      | 169                   | 3,174 | 7,667       | 2,704 |
| 20-29                      | 282                   | 8,202 | 15,018      | 6,342 |
| 30-39                      | 242                   | 5,529 | 13,518      | 4,918 |
| 40-49                      | 273                   | 5,716 | 13,952      | 5,325 |
| 50-59                      | 169                   | 4,471 | 10,426      | 5,034 |
| 60-64                      | 71                    | 5,057 | 3,651       | 4,814 |
| 65+                        | 128                   | 3,024 | 6,585       | 3,348 |
| Total                      | 1342                  | 4,163 | 71,548      | 3,925 |
| ASR                        | -                     | 4,085 | -           | 3,666 |
|                            |                       |       |             |       |
| FEMALES                    | NO.                   | NO.   | NO.         | RATE  |
| 0-9*                       | 4                     | 85    | 567         | 209   |
| 10-19                      | 75                    | 1,517 | 3,111       | 1,142 |
| 20-29                      | 70                    | 1,943 | 4,915       | 1,967 |
| 30-39                      | 107                   | 2,171 | 6,388       | 2,116 |
| 40-49                      | 145                   | 2,817 | 8,001       | 2,905 |
| 50-59                      | 153                   | 3,963 | 6,863       | 3,248 |
| 60-64                      | 46                    | 3,024 | 2,234       | 2,838 |
| 65+                        | 224                   | 3,949 | 9,393       | 3,702 |
| Total                      | 824                   | 2,398 | 41,502      | 2,168 |
| ASR                        | -                     | 1,955 | -           | 1,834 |
|                            |                       |       |             |       |
| TOTAL (MALES PLUS FEMALES) | NO.                   | RATE  | NO.         | RATE  |
| 0-9*                       | 12                    | 125   | 1,284       | 231   |
| 10-19                      | 244                   | 2,376 | 10,778      | 1,938 |
| 20-29                      | 352                   | 4,999 | 19,933      | 4,096 |
| 30-39                      | 349                   | 3,750 | 19,906      | 3,451 |
| 40-49                      | 418                   | 4,212 | 21,953      | 4,085 |
| 50-59                      | 322                   | 4,214 | 17,289      | 4,132 |
| 60-64                      | 117                   | 4,000 | 5,885       | 3,807 |
| 65+                        | 352                   | 3,553 | 15,978      | 3,547 |
| Total                      | 2166                  | 3,252 | 113,050     | 3,025 |
| ASR                        | -                     | 2,999 | -           | 2,732 |

Source: Data supplied by Accident Compensation Corporation.

Note: ASR = age-standardised rate

\* Estimated numbers for New Plymouth District in this age group (data provided included the value '≤3' which has been estimated as 2).

Excludes people of unknown age.

**Table A.73:** Number and rate (per 100,000) of ACC new entitlement claims for New Plymouth District, financial year 2000 / 2001, by age and sex

|                            | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|----------------------------|-----------------------|-------|-------------|-------|
| MALES                      | NO.                   | RATE  | NO.         | RATE  |
| 0-9*                       | 2                     | 41    | 457         | 160   |
| 10-19                      | 136                   | 2,554 | 5,203       | 1,835 |
| 20-29                      | 248                   | 7,213 | 12,297      | 5,193 |
| 30-39                      | 204                   | 4,661 | 11,798      | 4,292 |
| 40-49                      | 212                   | 4,439 | 9,736       | 3,716 |
| 50-59                      | 168                   | 4,444 | 6,914       | 3,338 |
| 60-64                      | 49                    | 3,490 | 2,303       | 3,037 |
| 65+                        | 101                   | 2,386 | 3,927       | 1,997 |
| Total                      | 1,120                 | 3,474 | 52,637      | 2,887 |
| ASR                        | -                     | 3,421 | -           | 2,719 |
|                            |                       |       |             |       |
| FEMALES                    | NO.                   | RATE  | NO.         | RATE  |
| 0-9*                       | 6                     | 128   | 363         | 134   |
| 10-19                      | 57                    | 1,153 | 2,395       | 879   |
| 20-29                      | 102                   | 2,831 | 4,390       | 1,757 |
| 30-39                      | 127                   | 2,577 | 5,782       | 1,915 |
| 40-49                      | 124                   | 2,409 | 5,766       | 2,094 |
| 50-59                      | 89                    | 2,305 | 4,589       | 2,172 |
| 60-64                      | 29                    | 1,907 | 1,387       | 1,762 |
| 65+                        | 175                   | 3,085 | 6,985       | 2,753 |
| Total                      | 709                   | 2,063 | 31,663      | 1,654 |
| ASR                        | -                     | 1,787 | -           | 1,409 |
|                            |                       |       |             |       |
| TOTAL (MALES PLUS FEMALES) | NO.                   | RATE  | NO.         | RATE  |
| 0-9*                       | 8                     | 83    | 820         | 147   |
| 10-19                      | 193                   | 1,879 | 7,598       | 1,366 |
| 20-29                      | 350                   | 4,971 | 16,687      | 3,429 |
| 30-39                      | 331                   | 3,557 | 17,580      | 3,048 |
| 40-49                      | 336                   | 3,386 | 15,502      | 2,885 |
| 50-59                      | 257                   | 3,363 | 11,503      | 2,749 |
| 60-64                      | 78                    | 2,667 | 3,690       | 2,387 |
| 65+                        | 276                   | 2,786 | 10,912      | 2,423 |
| Total                      | 1,829                 | 2,746 | 84,300      | 2,256 |
| ASR                        | -                     | 2,590 | -           | 2,051 |

Source: Data supplied by Accident Compensation Corporation.

Note: ASR = age-standardised rate

\* Estimated numbers for New Plymouth District in this age group (data provided included the value '≤3' which has been estimated as 2).

Excludes people of unknown age.

**Table A.74:** Number and percentage of ACC new entitlement claims for New Plymouth District, financial year 2005 / 2006, by location (scene) of injury and sex

| MALES                          | NO.          | %            |
|--------------------------------|--------------|--------------|
| Home                           | 401          | 29.9         |
| Farm                           | 81           | 6.0          |
| Road or street                 | 120          | 8.9          |
| Industrial place               | 173          | 12.9         |
| Commercial or service location | 157          | 11.7         |
| School                         | 17           | 1.3          |
| Place of recreation or sports  | 278          | 20.7         |
| Place of medical treatment     | 16           | 1.2          |
| Other                          | 90           | 6.7          |
| Unknown                        | 10           | 0.7          |
| <b>TOTAL</b>                   | <b>1,343</b> | <b>100.0</b> |
| FEMALES                        | NO.          | %            |
| Home                           | 397          | 48.2         |
| Farm                           | 19           | 2.3          |
| Road or street                 | 90           | 10.9         |
| Industrial place               | 35           | 4.2          |
| Commercial or service location | 89           | 10.8         |
| School                         | 13           | 1.6          |
| Place of recreation or sports  | 113          | 13.7         |
| Place of medical treatment     | 15           | 1.8          |
| Other                          | 44           | 5.3          |
| Unknown                        | 9            | 1.1          |
| <b>TOTAL</b>                   | <b>824</b>   | <b>100.0</b> |
| TOTAL (MALES PLUS FEMALES)     | NO.          | %            |
| Home                           | 798          | 36.8         |
| Farm                           | 100          | 4.6          |
| Road or street                 | 210          | 9.7          |
| Industrial place               | 208          | 9.6          |
| Commercial or service location | 246          | 11.4         |
| School                         | 30           | 1.4          |
| Place of recreation or sports  | 391          | 18.0         |
| Place of medical treatment     | 31           | 1.4          |
| Other                          | 134          | 6.2          |
| Unknown                        | 19           | 0.9          |
| <b>TOTAL</b>                   | <b>2,167</b> | <b>100.0</b> |

Source: Data supplied by Accident Compensation Corporation.

Note: ASR = age-standardised rate

**Tables A.75** Number and percentage of ACC new entitlement claims for New Zealand, 2005 / 2006, by location (scene) of injury

|                                | NO.     | %     |
|--------------------------------|---------|-------|
| Home                           | 33,552  | 29.7  |
| Farm                           | 4,092   | 3.6   |
| Road or street                 | 11,119  | 9.8   |
| Industrial place               | 13,790  | 12.2  |
| Commercial or service location | 14,692  | 13.0  |
| School                         | 1,362   | 1.2   |
| Place of recreation or sports  | 17,168  | 15.2  |
| Place of medical treatment     | 1,460   | 1.3   |
| Other                          | 9,025   | 8.0   |
| Unknown                        | 6,790   | 6.0   |
| TOTAL                          | 113,050 | 100.0 |

Source: Data supplied by Accident Compensation Corporation.

Note: ASR = age-standardised rate

**Table A.76:** Number and percentage of ACC new entitlement claims for motor vehicle injuries in New Plymouth District and New Zealand, 2005 / 2006, by 'external agency'

| 'EXTERNAL AGENCY'                   | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|-------------------------------------|-----------------------|-------|-------------|-------|
|                                     | NO.                   | %     | NO.         | %     |
| Driving / passenger-- car           | 59                    | 62.1  | 3,431       | 61.9  |
| Driving / passenger-- motorcycle    | 17                    | 17.9  | 1,047       | 18.9  |
| Driving / passenger -- bus          | 0                     | 0.0   | 42          | 0.8   |
| Driving / passenger-- truck         | <=3                   | --    | 192         | 3.5   |
| Driving / passenger-- other vehicle | <=3                   | --    | 95          | 1.7   |
| Cycling                             | 6                     | 6.3   | 246         | 4.4   |
| Pedestrian                          | 5                     | 5.3   | 437         | 7.9   |
| ATV                                 | 0                     | 0.0   | 6           | 0.1   |
| Other                               | <=3                   | --    | 21          | 0.4   |
| Unknown                             | 0                     | 0.0   | 29          | 0.5   |
| TOTAL                               | 95                    | 100.0 | 5,546       | 100.0 |

Source: Data supplied by Accident Compensation Corporation.

Note: <=3 is less than or equal to 3 (data supplied by ACC in this form)

-- means percentage was unable to be calculated

**Table A.77:** Number and percentage of ACC new entitlement claims for sports / recreation injuries in New Plymouth District and New Zealand, 2005 / 2006, by type of sport / recreation

|                        | NEW PLYMOUTH DISTRICT |     | NEW ZEALAND |     |
|------------------------|-----------------------|-----|-------------|-----|
|                        | NO.                   | %   | NO.         | %   |
| ATV                    | 0                     | 0.0 | 8           | 0.0 |
| Aerobics               | <=3                   | --  | 55          | 0.3 |
| Athletics              | <=3                   | --  | 47          | 0.3 |
| Badminton              | 5                     | 1.2 | 128         | 0.7 |
| Basketball             | 13                    | 3.1 | 470         | 2.6 |
| Boating                | <=3                   | --  | 174         | 1.0 |
| Bowls                  | 4                     | 0.9 | 69          | 0.4 |
| Boxing                 | <=3                   | --  | 58          | 0.3 |
| Bungee jumping         | 0                     | 0.0 | <=3         | --  |
| Cricket                | 0                     | 0.0 | 6           | 0.0 |
| Cycling                | 22                    | 5.2 | 1,028       | 5.6 |
| Dancing                | 6                     | 1.4 | 319         | 1.8 |
| Fishing                | <=3                   | --  | 113         | 0.6 |
| Fitness Training / Gym | 5                     | 1.2 | 200         | 1.1 |
| Golf                   | 6                     | 1.4 | 248         | 1.4 |
| Gymnastics             | <=3                   | --  | 51          | 0.3 |
| Hang-gliding           | 0                     | 0.0 | 6           | 0.0 |
| Hockey                 | 6                     | 1.4 | 307         | 1.7 |
| Horse Riding           | 16                    | 3.8 | 496         | 2.7 |
| Hunting                | <=3                   | --  | 76          | 0.4 |
| Ice Skating            | <=3                   | --  | 64          | 0.4 |
| Indoor Cricket         | 0                     | 0.0 | 69          | 0.4 |
| Jogging                | 4                     | 0.9 | 260         | 1.4 |
| Kayaking               | 0                     | 0.0 | 28          | 0.2 |
| Kick-boxing            | 0                     | 0.0 | 35          | 0.2 |
| Luge riding            | 0                     | 0.0 | 13          | 0.1 |
| Martial Arts           | 4                     | 0.9 | 225         | 1.2 |
| Motor Racing           | 0                     | 0.0 | 125         | 0.7 |
| Motorcycling           | 8                     | 1.9 | 373         | 2.0 |
| Mountain biking        | 0                     | 0.0 | 9           | 0.0 |
| Mountaineering         | 0                     | 0.0 | 18          | 0.1 |
| Netball                | 41                    | 9.7 | 1,403       | 7.7 |
| Outdoor cricket        | 9                     | 2.1 | 391         | 2.1 |

|                         | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|-------------------------|-----------------------|-------|-------------|-------|
|                         | NO.                   | %     | NO.         | %     |
| Parachute Jumping       | 0                     | 0.0   | 18          | 0.1   |
| Polo                    | 0                     | 0.0   | 10          | 0.1   |
| Rock climbing           | 0                     | 0.0   | 26          | 0.1   |
| Roller Skating          | 0                     | 0.0   | 39          | 0.2   |
| Rollerblading           | <=3                   | --    | 14          | 0.1   |
| Rugby League            | 27                    | 6.4   | 812         | 4.5   |
| Rugby Union             | 73                    | 17.3  | 3,453       | 19.0  |
| Scooter                 | <=3                   | --    | 22          | 0.1   |
| Skateboarding           | 13                    | 3.1   | 394         | 2.2   |
| Skiing - Snow           | <=3                   | --    | 559         | 3.1   |
| Snowboarding            | <=3                   | --    | 413         | 2.3   |
| Soccer                  | 44                    | 10.4  | 1,640       | 9.0   |
| Softball, Baseball      |                       | 0.0   | 122         | 0.7   |
| Squash                  | 9                     | 2.1   | 283         | 1.6   |
| Surfing                 | 6                     | 1.4   | 166         | 0.9   |
| Swimming                | <=3                   | --    | 153         | 0.8   |
| Swimming - Beach        | <=3                   | --    | 27          | 0.1   |
| Swimming - lake         | 0                     | 0.0   | <=3         | --    |
| Swimming - Pool         | 0                     | 0.0   | 32          | 0.2   |
| Swimming - River        | <=3                   | --    | 7           | 0.0   |
| Tennis                  | 7                     | 1.7   | 388         | 2.1   |
| Touch Rugby             | 16                    | 3.8   | 700         | 3.8   |
| Trail Biking, Motocross | 23                    | 5.4   | 509         | 2.8   |
| Tramping                | <=3                   | --    | 154         | 0.8   |
| Underwater Diving       | 0                     | 0.0   | 35          | 0.2   |
| Volleyball              | <=3                   | --    | 154         | 0.8   |
| Waterskiing             | <=3                   | --    | 136         | 0.7   |
| Weightlifting           | <=3                   | --    | 133         | 0.7   |
| Windsurfing             | <=3                   | --    | 20          | 0.1   |
| Other                   | 16                    | 3.8   | 800         | 4.4   |
| Not Obtainable          | 6                     | 1.4   | 101         | 0.6   |
| TOTAL                   | 423                   | 100.0 | 18,196      | 100.0 |

Source: Data supplied by Accident Compensation Corporation.

Notes: <=3 is less than or equal to 3 (data supplied by ACC in this form)  
 -- means percentage was unable to be calculated

**Table A.78:** Number, percentage and rates (per 100,000 workers) of ACC new entitlement claims for work injuries in New Plymouth District and New Zealand, 2005 / 2006, by industry

| INDUSTRY                              | NEW PLYMOUTH DISTRICT |       |       | NEW ZEALAND* |       |         |
|---------------------------------------|-----------------------|-------|-------|--------------|-------|---------|
|                                       | NO.                   | %     | RATE  | NO.          | %     | RATE    |
| Agriculture, forestry, and fishing    | 102                   | 16.0  | 3,732 | 5,563        | 14.9  | 3,896.8 |
| Mining                                | 10                    | 1.6   | 3,003 | 232          | 0.6   | 6,917.1 |
| Manufacturing                         | 121                   | 18.9  | 3,049 | 9,103        | 24.5  | 4,067.4 |
| Electricity, gas, and water supply    | 4                     | 0.6   | 1,852 | 223          | 0.6   | 3,733.5 |
| Construction                          | 97                    | 15.2  | 5,434 | 5,419        | 14.6  | 5,215.0 |
| Wholesale trade                       | 12                    | 1.9   | 877   | 1,197        | 3.2   | 1,203.7 |
| Retail Trade                          | 62                    | 9.7   | 1,600 | 2,622        | 7.0   | 1,258.7 |
| Accommodation, cafes, and restaurants | 11                    | 1.7   | 894   | 835          | 2.2   | 1,039.1 |
| Transport and storage                 | 45                    | 7.0   | 4,573 | 2,414        | 6.5   | 3,630.2 |
| Communication services                | 8                     | 1.3   | 2,694 | 511          | 1.4   | 2,207.2 |
| Finance and insurance                 | <=3                   | --    | --    | 122          | 0.3   | 234.9   |
| Property and business services        | 36                    | 5.6   | 1,387 | 2,105        | 5.7   | 1,081.8 |
| Government administration and defence | <=3                   | --    | --    | 522          | 1.4   | 875.3   |
| Education                             | 16                    | 2.5   | 713   | 598          | 1.6   | 472.6   |
| Health and community services         | 36                    | 5.6   | 1,230 | 1,867        | 5.0   | 1,328.2 |
| Cultural and recreational services    | 12                    | 1.9   | 2,247 | 697          | 1.9   | 1,688.8 |
| Personal and other services           | 20                    | 3.1   | 1,663 | 1,287        | 3.5   | 2,001.0 |
| Unknown                               | 43                    | 6.7   | --    | 1903         | 5.1   | --      |
| TOTAL                                 | 639                   | 100.0 | 2,200 | 37,220       | 100.0 | 2,154.8 |

Source: Data supplied by Accident Compensation Corporation.

Note: <=3 is less than or equal to 3 (data supplied by ACC in this form)

-- means percentage was unable to be calculated

\* the data for New Zealand were extracted at a later date from the ACC database than the New Plymouth District data in this table and the data mentioned in the text (Chapter 6) on the overall percentage of workplace injuries (based on a total of 37,166 workplace injuries, rather than 37,220).

**Table A.79:** Number and percentage of ACC new entitlement claims for New Plymouth District, financial year 2005 / 2006, by location (scene) of injury and injury diagnosis

| LOCATION  | HOME |       | FARM |       | ROAD / STREET |       | INDUSTRIAL |       | COMMERCIAL / SERVICE |       |
|---|------|-------|------|-------|---------------|-------|------------|-------|----------------------|-------|
|   | NO.  | %     | NO.  | %     | NO.           | %     | NO.        | %     | NO.                  | %     |
| Amputation / enucleation                                  | 0    | 0.0   | 0    | 0.0   | 0             | 0.0   | 0          | 0.0   | <=3                  | --    |
| Burns (burn, corrosive Injury, scald)                     | 7    | 0.9   | <=3  | --    | 0             | 0.0   | <=3        | --    | 10                   | 4.1   |
| Soft tissue injury (contusion, internal organ, strain)    | 338  | 42.4  | 42   | 42.0  | 89            | 42.4  | 89         | 42.8  | 118                  | 48.0  |
| Deafness  | 15   | 1.9   | 6    | 6.0   | 0             | 0.0   | 42         | 20.2  | 12                   | 4.9   |
| Dental injuries   | 0    | 0.0   | 0    | 0.0   | 0             | 0.0   | <=3        | --    | 0                    | 0.0   |
| Fracture / dislocation                                    | 289  | 36.2  | 30   | 30.0  | 84            | 40.0  | 20         | 9.6   | 50                   | 20.3  |
| Hernia  | 26   | 3.3   | 6    | 6.0   | <=3           | --    | 6          | 2.9   | 5                    | 2.0   |
| Toxic / adverse effect                                    | 0    | 0.0   |      | 0.0   | 0             | 0.0   | <=3        | --    | 0                    | 0.0   |
| Infected / non-infected laceration, puncture wound, sting | 63   | 7.9   | 6    | 6.0   | 23            | 11.0  | 15         | 7.2   | 17                   | 6.9   |
| Occupational disease / infection                          | <=3  | --    | 0    | 0.0   | 0             | 0.0   | <=3        | --    | <=3                  | --    |
| Non-occupational disease / infection                      | 0    | 0.0   | 0    | 0.0   | 0             | 0.0   | 0          | 0.0   | 0                    | 0.0   |
| Gradual onset (not disease/ infection)                    | 6    | 0.8   | <=3  | --    | 0             | 0.0   | 12         | 5.8   | 14                   | 5.7   |
| Mental injury / nervous shock                             | 0    | 0.0   | 0    | 0.0   | 0             | 0.0   | 0          | 0.0   | 0                    | 0.0   |
| Foreign body in orifice / eye                             | 8    | 1.0   | 0    | 0.0   | <=3           | --    | <=3        | --    | <=3                  | --    |
| Concussion / brain injury                                 | <=3  | --    | 0    | 0.0   | 5             | 2.4   | <=3        | --    | <=3                  | --    |
| Inhalation / ingestion specific occasion                  | 0    | 0.0   | 0    | 0.0   | 0             | 0.0   | 0          | 0.0   | 0                    | 0.0   |
| Other   | 16   | 2.0   | 5    | 5.0   | <=3           | --    | 4          | 1.9   | 8                    | 3.3   |
| Unknown   | 28   | 3.5   | <=3  | --    | 4             | 1.9   | 11         | 5.3   | 8                    | 3.3   |
| TOTAL   | 798  | 100.0 | 100  | 100.0 | 210           | 100.0 | 208        | 100.0 | 246                  | 100.0 |

(Table continued on next page)

**Table A.79: (continued)**

| LOCATION  | SCHOOL |       | SPORTS / RECREATION |       | MEDICAL TREATMENT |       | OTHER |       | UNKNOWN |       |
|---|--------|-------|---------------------|-------|-------------------|-------|-------|-------|---------|-------|
|   | NO.    | %     | NO.                 | %     | NO.               | %     | NO.   | %     | NO.     | %     |
| Amputation / enucleation                                  | 0      | 0.0   | 0                   | 0.0   |                   | 0.0   | <=3   | --    | <=3     | --    |
| Burns (burn, corrosive Injury, scald)                     | 0      | 0.0   | <=3                 | --    | 0                 | 0.0   | 0     | 0.0   | <=3     | --    |
| Soft tissue injury (contusion, internal organ, strain)    | 7      | 23.3  | 234                 | 59.8  | 11                | 35.5  | 65    | 48.5  | 12      | 63.2  |
| Deafness  | <=3    | --    | 0                   | 0.0   | 0                 | 0.0   | <=3   | --    | 0       | 0.0   |
| Dental injuries   | 0      | 0.0   | <=3                 | --    | 0                 | 0.0   | 0     | 0.0   | 0       | 0.0   |
| Fracture / dislocation                                    | 17     | 56.7  | 129                 | 33.0  | <=3               | --    | 35    | 26.1  | <=3     | --    |
| Hernia  | 0      | 0.0   | <=3                 | --    | <=3               | --    | 6     | 4.5   | 0       | 0.0   |
| Toxic / adverse effect                                    | 0      | 0.0   | 0                   | 0.0   | 0                 | 0.0   |       | 0.0   | 0       | 0.0   |
| Infected / non-infected laceration, puncture wound, sting | 4      | 13.3  | 8                   | 2.0   | <=3               | --    | 8     | 6.0   | <=3     | --    |
| Occupational disease / infection                          | 0      | 0.0   | 0                   | 0.0   | 0                 | 0.0   | 0     | 0.0   | 0       | 0.0   |
| Non-occupational disease / infection                      | 0      | 0.0   | 0                   | 0.0   | 0                 | 0.0   | 0     | 0.0   | 0       | 0.0   |
| Gradual onset (not disease/ infection)                    | 0      | 0.0   | 0                   | 0.0   | 0                 | 0.0   | <=3   | --    | 0       | 0.0   |
| Mental injury / nervous shock                             | 0      | 0.0   | 0                   | 0.0   | 0                 | 0.0   | 0     | 0.0   | 0       | 0.0   |
| Foreign body in orifice / eye                             | 0      | 0.0   | 0                   | 0.0   | 0                 | 0.0   | 0     | 0.0   | 0       | 0.0   |
| Concussion / brain injury                                 | 0      | 0.0   | <=3                 | --    | 0                 | 0.0   | <=3   | --    | 0       | 0.0   |
| Inhalation / ingestion specific occasion                  | 0      | 0.0   | 0                   | 0.0   | 0                 | 0.0   | 0     | 0.0   | 0       | 0.0   |
| Other   | 0      | 0.0   | 10                  | 2.6   | 12                | 38.7  | 4     | 3.0   | <=3     | --    |
| Unknown   | <=3    | --    | 4                   | 1.0   | <=3               | --    | 7     | 5.2   | 0       | 0.0   |
| TOTAL   | 30     | 100.0 | 391                 | 100.0 | 31                | 100.0 | 134   | 100.0 | 19      | 100.0 |

Source: Data supplied by Accident Compensation Corporation.

Notes: <=3 is less than or equal to 3 (data supplied by ACC in this form)

-- means percentage was unable to be calculated.

**Table A.80:** Number and percentage of ACC new entitlement claims for New Zealand, financial year 2005 / 2006, by injury diagnosis

| INJURY DIAGNOSIS  | NO.     | %     |
|---|---------|-------|
| Amputation / enucleation                                  | 540     | 0.5   |
| Burns (burn, corrosive injury, scald)                     | 1,158   | 1.0   |
| Soft tissue injury (contusion, internal organ, strain)    | 53,945  | 47.7  |
| Deafness  | 4,543   | 4.0   |
| Dental injuries   | 161     | 0.1   |
| Fracture / dislocation                                    | 31,387  | 27.8  |
| Hernia  | 1,794   | 1.6   |
| Toxic / adverse effect                                    | 4       | 0.0   |
| Infected / non-infected laceration, puncture wound, sting | 9,999   | 8.8   |
| Occupational disease / infection                          | 171     | 0.2   |
| Non-occupational disease / infection                      | 6       | 0.0   |
| Gradual onset (not disease/ infection)                    | 2,021   | 1.8   |
| Mental injury / nervous shock                             | 104     | 0.1   |
| Foreign body in orifice / eye                             | 479     | 0.4   |
| Concussion / brain injury                                 | 1,043   | 0.9   |
| Inhalation / ingestion specific occasion                  | 45      | 0.0   |
| Other   | 3,235   | 2.9   |
| Unknown   | 2,415   | 2.1   |
| TOTAL   | 113,050 | 100.0 |

Source: Data supplied by Accident Compensation Corporation.

**Table A.81:** Number and percentage of ACC new entitlement claims for New Plymouth District and New Zealand, financial year 2005 / 2006, by injury site

| INJURY DIAGNOSIS                      | NEW PLYMOUTH DISTRICT |              | NEW ZEALAND    |              |
|---------------------------------------|-----------------------|--------------|----------------|--------------|
|                                       | NO.                   | %            | NO.            | %            |
| Knee                                  | 327                   | 15.1         | 15,039         | 13.3         |
| Shoulder (including clavicle / blade) | 208                   | 9.6          | 10,212         | 9.0          |
| Back / spine                          | 202                   | 9.3          | 12,741         | 11.3         |
| Ankle                                 | 184                   | 8.5          | 9,707          | 8.6          |
| Hand / wrist                          | 161                   | 7.4          | 9,590          | 8.5          |
| Hip / upper leg / thigh               | 152                   | 7.0          | 6,808          | 6.0          |
| Upper and lower arm                   | 146                   | 6.7          | 6,566          | 5.8          |
| Finger / thumb                        | 113                   | 5.2          | 6,830          | 6.0          |
| Lower leg                             | 106                   | 4.9          | 5,087          | 4.5          |
| Ear                                   | 78                    | 3.6          | 4,440          | 3.9          |
| Foot                                  | 72                    | 3.3          | 3,650          | 3.2          |
| Chest                                 | 55                    | 2.5          | 2,951          | 2.6          |
| Elbow                                 | 49                    | 2.3          | 2,420          | 2.1          |
| Neck / back of head / vertebrae       | 30                    | 1.4          | 2,495          | 2.2          |
| Nose                                  | 27                    | 1.2          | 777            | 0.7          |
| Head (except face)                    | 25                    | 1.2          | 2,370          | 2.1          |
| Face                                  | 24                    | 1.1          | 1,799          | 1.6          |
| Abdomen / pelvis                      | 22                    | 1.0          | 1,221          | 1.1          |
| Toe                                   | 17                    | 0.8          | 925            | 0.8          |
| Eye                                   | 16                    | 0.7          | 904            | 0.8          |
| Multiple locations                    | 6                     | 0.3          | 422            | 0.4          |
| Internal organ                        | 0                     | 0.0          | 259            | 0.2          |
| Unknown                               | 147                   | 6.8          | 5,837          | 5.2          |
| <b>TOTAL</b>                          | <b>2,167</b>          | <b>100.0</b> | <b>113,050</b> | <b>100.0</b> |

Source: Data supplied by Accident Compensation Corporation.

**Table A.82:** Number and percentage of ACC new entitlement claims for New Plymouth District and New Zealand, financial year 2005 / 2006, by injury cause

| INJURY CAUSE                              | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|---|-----------------------|-------|-------------|-------|
|   | NO.                   | %     | NO.         | %     |
| Slipping, skidding on foot                | 201                   | 9.3   | 9,990       | 8.8   |
| Tripping or stumbling                     | 194                   | 9.0   | 8,497       | 7.5   |
| Pushed or pulled                          | 15                    | 0.7   | 1,139       | 1.0   |
| Loss of consciousness / sleep / giddy     | 5                     | 0.2   | 234         | 0.2   |
| Something giving way underfoot            | <=3                   | --    | 342         | 0.3   |
| Twisting movement                         | 39                    | 1.8   | 2,747       | 2.4   |
| Lurching / jerks in vehicles etc          | 4                     | 0.2   | 283         | 0.3   |
| Misjudgement of support                   | 148                   | 6.8   | 4,330       | 3.8   |
| Loss of hold                              | 31                    | 1.4   | 1,537       | 1.4   |
| Struck by hand-held tool / implement      | 22                    | 1.0   | 1,296       | 1.1   |
| Struck by person / animal                 | 129                   | 6.0   | 6,244       | 5.5   |
| Other loss balance / personal control     | 558                   | 25.7  | 26,042      | 23.0  |
| Puncture                                  | 10                    | 0.5   | 418         | 0.4   |
| Mechanical malfunction                    | <=3                   | --    | 53          | 0.0   |
| Swerving / evasive action                 | <=3                   | --    | 237         | 0.2   |
| Skid                                      | 9                     | 0.4   | 188         | 0.2   |
| Driving into hole / object / animal / etc | 0                     | 0.0   | 201         | 0.2   |
| Other loss of control of vehicle          | 27                    | 1.2   | 2,742       | 2.4   |
| Fire                                      | <=3                   | --    | 175         | 0.2   |
| Explosion / blasting / implosion          | <=3                   | --    | 114         | 0.1   |
| Shooting                                  | <=3                   | --    | 31          | 0.0   |
| Electrical shock / short circuit          | <=3                   | --    | 34          | 0.0   |
| Boiling (violent and inadvertent)         | 5                     | 0.2   | 166         | 0.1   |
| Other or unclear fire or explosion        | <=3                   | --    | 104         | 0.1   |
| Collapse of stack / goods in bulk         | <=3                   | --    | 86          | 0.1   |
| Object coming loose / goods shifting      | 19                    | 0.9   | 1,288       | 1.1   |
| Collision with / knocked over by object   | 119                   | 5.5   | 5,591       | 4.9   |
| Recoil / ejection                         | <=3                   | --    | 45          | 0.0   |
| Folding / collapse                        | 0                     | 0.0   | 45          | 0.0   |
| Flooding / overflow / escape of liquid    | 0                     | 0.0   | 101         | 0.1   |
| Other collapse / overturning / inundation | 12                    | 0.6   | 775         | 0.7   |
| Work property or characteristics          | 140                   | 6.5   | 6,896       | 6.1   |
| Exposure to elements                      | 9                     | 0.4   | 288         | 0.3   |
| Bursting / breakage / distortion          | <=3                   | --    | 125         | 0.1   |
| Inadvertent machine / vehicle movement    | 6                     | 0.3   | 396         | 0.4   |
| Lifting / carrying / strain               | 293                   | 13.5  | 15,234      | 13.5  |
| Medical treatment                         | 18                    | 0.8   | 718         | 0.6   |
| Criminal act                              | <=3                   | --    | 175         | 0.2   |
| Oral ingestion of fungi                   | 0                     | 0.0   | <=3         | --    |
| Other or unclear cause                    | 130                   | 6.0   | 566         | 0.5   |
| Unknown                                   | 0                     | 0.0   | 13,574      | 12.0  |
| TOTAL                                     | 2,167                 | 100.0 | 113,050     | 100.0 |

Source: Data supplied by Accident Compensation Corporation.

Notes: <=3 is less than or equal to 3 (data supplied by ACC in this form)

-- means percentage was unable to be calculated

NEC = not elsewhere classified.

**Table A.83:** Number and percentage of ACC new entitlement claims for New Plymouth District and New Zealand, financial year 2005 / 2006, by activities preceding injury

| ACTIVITY PRIOR TO INJURY                | NEW PLYMOUTH DISTRICT |       | NEW ZEALAND |       |
|---|-----------------------|-------|-------------|-------|
|   | NO.                   | %     | NO.         | %     |
| Recreation or sporting activity         | 423                   | 19.5  | 18,191      | 16.1  |
| Children playing                        | 15                    | 0.7   | 714         | 0.6   |
| Lifting / lowering, loading / unloading | 156                   | 7.2   | 8,883       | 7.9   |
| Carrying                                | 15                    | 0.7   | 899         | 0.8   |
| Getting on or off, in or out of         | 76                    | 3.5   | 3,158       | 2.8   |
| Walking / running                       | 396                   | 18.3  | 19,479      | 17.2  |
| Ascending / descending                  | 89                    | 4.1   | 3,552       | 3.1   |
| Driving, riding                         | 122                   | 5.6   | 6,198       | 5.5   |
| Travelling as passenger                 | 8                     | 0.4   | 624         | 0.6   |
| Supervising, testing, inspection        | <=3                   | --    | 33          | 0.0   |
| Adjusting machine or work               | <=3                   | --    | 126         | 0.1   |
| Clearing jam or blockage                | <=3                   | --    | 59          | 0.1   |
| Using, operating (not machine)          | 36                    | 1.7   | 2,116       | 1.9   |
| Operating machine                       | 23                    | 1.1   | 930         | 0.8   |
| Fighting                                | 22                    | 1.0   | 1,238       | 1.1   |
| Eating, drinking                        | <=3                   | --    | 91          | 0.1   |
| Preparing food or drink                 | <=3                   | --    | 290         | 0.3   |
| Receiving medical treatment             | 17                    | 0.8   | 709         | 0.6   |
| Employment tasks NEC                    | 376                   | 17.4  | 18,041      | 16.0  |
| Other                                   | 276                   | 12.7  | 12,952      | 11.5  |
| Unknown                                 | 111                   | 5.1   | 14767       | 13.1  |
| TOTAL                                   | 2,167                 | 100.0 | 113,050     | 100.0 |

Source: Data supplied by Accident Compensation Corporation.

Notes: <=3 is less than or equal to 3 (data supplied by ACC in this form)

-- means percentage was unable to be calculated

NEC = not elsewhere classified.

**Table A.84:** Expenditure and average cost per claim for ACC new entitlement claims for New Plymouth District and New Zealand 2005 / 2006, by location (scene) of injury

| LOCATION                       | NEW PLYMOUTH DISTRICT |       |                             | NEW ZEALAND      |       |                             |
|--------------------------------|-----------------------|-------|-----------------------------|------------------|-------|-----------------------------|
|                                | EXPENDITURE (\$)      | %     | AVERAGE COST PER CLAIM (\$) | EXPENDITURE (\$) | %     | AVERAGE COST PER CLAIM (\$) |
| Home                           | 3,778,725             | 36.6  | 4,735                       | 157,709,546      | 27.9  | 4,700                       |
| Farm                           | 693,492               | 6.7   | 6,935                       | 23,378,723       | 4.1   | 5,713                       |
| Road or street                 | 1,223,596             | 11.8  | 5,827                       | 66,030,426       | 11.7  | 5,939                       |
| Industrial place               | 943,624               | 9.1   | 4,537                       | 71,632,403       | 12.7  | 5,195                       |
| Commercial or service location | 1,385,062             | 13.4  | 5,630                       | 72,115,319       | 12.8  | 4,908                       |
| School                         | 96,259                | 0.9   | 3,209                       | 4,365,150        | 0.8   | 3,205                       |
| Place of recreation or sports  | 1,461,222             | 14.1  | 3,737                       | 80,634,875       | 14.3  | 4,697                       |
| Place of medical treatment     | 212,766               | 2.1   | 6,863                       | 13,217,511       | 2.3   | 9,053                       |
| Other                          | 481,975               | 4.7   | 3,597                       | 44,031,001       | 7.8   | 4,879                       |
| Unknown                        | 58,819                | 0.6   | 3,096                       | 31,367,840       | 5.6   | 4,620                       |
| TOTAL                          | 10,335,540            | 100.0 | 4,770                       | 564,482,794      | 100.0 | 4,993                       |

Source: Data supplied by Accident Compensation Corporation.

**Table A.85:** Expenditure and average cost per claim for ACC new entitlement claims for New Plymouth District and New Zealand 2000 / 2001, by location (scene) of injury

| LOCATION                       | NEW PLYMOUTH DISTRICT |       |                             | NEW ZEALAND      |       |                             |
|--------------------------------|-----------------------|-------|-----------------------------|------------------|-------|-----------------------------|
|                                | EXPENDITURE (\$)      | %     | AVERAGE COST PER CLAIM (\$) | EXPENDITURE (\$) | %     | AVERAGE COST PER CLAIM (\$) |
| Home                           | 1,494,926             | 25.1  | 2,555                       | 60,580,227       | 20.7  | 2,919                       |
| Farm                           | 464,935               | 7.8   | 4,151                       | 11,330,065       | 3.9   | 4,277                       |
| Road or street                 | 999,724               | 16.8  | 4,761                       | 38,274,779       | 13.1  | 4,478                       |
| Industrial place               | 952,449               | 16.0  | 3,692                       | 60,020,486       | 20.5  | 3,749                       |
| Commercial or service location | 472,192               | 7.9   | 3,256                       | 19,597,313       | 6.7   | 3,275                       |
| School                         | 38,397                | 0.6   | 1,669                       | 2,403,895        | 0.8   | 2,616                       |
| Place of recreation or sports  | 906,282               | 15.2  | 3,093                       | 44,727,523       | 15.3  | 3,486                       |
| Place of medical treatment     | 12,303                | 0.2   | 2,051                       | 6,400,698        | 2.2   | 7,892                       |
| Other                          | 428,062               | 7.2   | 3,424                       | 18,455,781       | 6.3   | 3,272                       |
| Unknown                        | 183,118               | 3.1   | 2,543                       | 30,964,339       | 10.6  | 3,050                       |
| TOTAL                          | 5,952,387             | 100.0 | 3,254                       | 292,755,107      | 100.0 | 3,473                       |

Source: Data supplied by Accident Compensation Corporation.

## ROAD TRAFFIC CRASH INJURIES

**Table A.86** Number of serious and fatal road traffic crashes and casualties, New Plymouth District, 1996-2005

| YEAR | CRASHES -<br>SERIOUS PLUS<br>FATAL | CASUALTIES -<br>SERIOUS PLUS<br>FATAL |
|------|------------------------------------|---------------------------------------|
| 1996 | 53                                 | 62                                    |
| 1997 | 54                                 | 60                                    |
| 1998 | 61                                 | 79                                    |
| 1999 | 50                                 | 58                                    |
| 2000 | 41                                 | 51                                    |
| 2001 | 38                                 | 46                                    |
| 2002 | 32                                 | 35                                    |
| 2003 | 47                                 | 55                                    |
| 2004 | 52                                 | 70                                    |
| 2005 | 26                                 | 35                                    |

Source: Data supplied by Land Transport New Zealand

Note: Figures show totals for all fatal and serious injuries combined. Crash severity rated according to the most severely injured casualty in a crash.

"Fatal" = injuries resulting in death within 30 days of crash.

"Serious" = injuries requiring medical treatment or hospital admission, including fractures, head injuries, internal injuries, crushing, severe lacerations etc.

**Table A.87** Injury crashes per 10,000 population, New Plymouth District, Group C areas and New Zealand, 1996-2005

| YEAR | NEW PLYMOUTH DISTRICT | GROUP C | NEW ZEALAND |
|------|-----------------------|---------|-------------|
| 1996 | 27                    | 25      | 28          |
| 1997 | 29                    | 24      | 25          |
| 1998 | 28                    | 21      | 23          |
| 1999 | 23                    | 20      | 22          |
| 2000 | 22                    | 18      | 20          |
| 2001 | 27                    | 19      | 23          |
| 2002 | 29                    | 23      | 26          |
| 2003 | 31                    | 25      | 27          |
| 2004 | 24                    | 24      | 26          |
| 2005 | 26                    | 26      | 26          |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows annual rates for all minor, fatal and serious injury combined. Crash severity rated according to the most severely injured casualty in a crash.

**Table A.88** Casualties per 100 million vehicle kilometres travelled, by road type, New Plymouth District, Group C areas and New Zealand, 2001-2005

|                       | URBAN LOCAL ROADS | RURAL LOCAL ROADS | URBAN STATE HIGHWAYS | RURAL STATE HIGHWAYS |
|-----------------------|-------------------|-------------------|----------------------|----------------------|
| New Plymouth District | 56                | 51                | 53                   | 35                   |
| Group C               | 43                | 39                | 36                   | 28                   |
| New Zealand           | 45                | 39                | 35                   | 26                   |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows rates for all minor, fatal and serious injury combined.

Lengths of the four different types of road vary between geographic areas, thus affecting crash and casualty rates.

**Table A.89** Number of male and female road crash casualties, New Plymouth District, 1996-2005

| YEAR | MALES | FEMALES |
|------|-------|---------|
| 1996 | 157   | 110     |
| 1997 | 158   | 122     |
| 1998 | 159   | 136     |
| 1999 | 126   | 92      |
| 2000 | 120   | 96      |
| 2001 | 161   | 119     |
| 2002 | 142   | 134     |
| 2003 | 140   | 155     |
| 2004 | 143   | 98      |
| 2005 | 126   | 121     |

Source: Data supplied by Land Transport New Zealand

Note: Excludes casualties where gender information not available.

**Table A.90** Age group of road crash casualties, New Plymouth District, 2001-2005

| AGE GROUP | NO.  | PERCENT |
|-----------|------|---------|
| 0-5       | 19   | 1       |
| 5-9       | 35   | 3       |
| 10-14     | 62   | 5       |
| 15-19     | 304  | 23      |
| 20-24     | 148  | 11      |
| 25-29     | 106  | 8       |
| 30-34     | 93   | 7       |
| 35-39     | 82   | 6       |
| 40-44     | 98   | 7       |
| 45-49     | 76   | 6       |
| 50-54     | 57   | 4       |
| 55-59     | 51   | 4       |
| 60-64     | 42   | 3       |
| 65-69     | 35   | 3       |
| 70-74     | 44   | 3       |
| 75-79     | 25   | 2       |
| 80+       | 37   | 3       |
| TOTAL     | 1314 | 100     |

Source: Data supplied by Land Transport New Zealand

Note: Excludes casualties where age information not available.

**Table A.91** Types of road user casualties involved in injury crashes on urban roads, New Plymouth District, average percentages for 1996-2000 and 2001-2005

| TYPE OF ROAD USER  | 1996-2000 | 2001-2005 |
|--------------------|-----------|-----------|
| Car/van drivers    | 43        | 50        |
| Car/van passengers | 21        | 19        |
| Motorcyclists      | 14        | 11        |
| Cyclists           | 10        | 10        |
| Pedestrians        | 12        | 9         |
| Heavy vehicles     | 0         | 1         |
| Other              | 0         | 1         |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows percentages for all minor, fatal and serious casualties combined.

**Table A.92** Types of road user casualties involved in injury crashes on rural roads, New Plymouth District, average percentages for 1996-2000 and 2001-2005

| TYPE OF ROAD USER  | 1996-2000 | 2001-2005 |
|--------------------|-----------|-----------|
| Car/van drivers    | 53        | 60        |
| Car/van passengers | 30        | 29        |
| Motorcyclists      | 10        | 5         |
| Heavy vehicles     | 4         | 4         |
| Cyclists           | 2         | 1         |
| Pedestrians        | 1         | 1         |
| Other              | 1         | 0         |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows percentages for all minor, fatal and serious casualties combined.

**Table A.93** Movement type involved in injury crashes on urban roads, New Plymouth District, average percentages for 1996-2000 and 2001-2005

| MOVEMENT TYPE                  | 1996-2000 | 2001-2005 |
|--------------------------------|-----------|-----------|
| Crossing / Turning             | 41        | 40        |
| Rear end / obstruction         | 23        | 27        |
| Bend -lost control/head on     | 13        | 14        |
| Pedestrian vs vehicle          | 15        | 11        |
| Straight -lost control/head on | 4         | 4         |
| Overtaking                     | 3         | 2         |
| Miscellaneous                  | 0         | 1         |

Source: Data supplied by Land Transport New Zealand

Note: Figures shows percentages for all minor, fatal and serious crashes combined. Crash severity rated according to the most severely injured casualty in a crash.

**Table A.94** Movement type involved in injury crashes on rural roads, New Plymouth District, average percentages for 1996-2000 and 2001-2005

| MOVEMENT TYPE                  | 1996-2000 | 2001-2005 |
|--------------------------------|-----------|-----------|
| Bend -lost control/head on     | 40        | 43        |
| Crossing / Turning             | 21        | 19        |
| Straight -lost control/head on | 17        | 16        |
| Rear end / obstruction         | 14        | 13        |
| Overtaking                     | 5         | 6         |
| Pedestrian vs vehicle          | 1         | 1         |
| Miscellaneous                  | 1         | 2         |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows percentages for all minor, fatal and serious crashes combined. Crash severity rated according to the most severely injured casualty in a crash.

**Table A.95** Contributing factors to injury crashes on urban roads, New Plymouth District, average percentages for 1996-2000 and 2001-2005

| CONTRIBUTING FACTOR      | 1996-2000 | 2001-2005 |
|--------------------------|-----------|-----------|
| Poor observation         | 35        | 50        |
| Failed to give way/stop  | 41        | 39        |
| Too fast                 | 9         | 12        |
| Poor handling            | 5         | 11        |
| Alcohol involved         | 10        | 9         |
| Poor judgement           | 6         | 9         |
| Incorrect lanes/position | 4         | 8         |
| Pedestrian factors       | 9         | 8         |
| Road factors             | 5         | 8         |
| Cyclist factors          | 7         | 7         |
| Disabled/old/ill         | 3         | 3         |
| Weather                  | 2         | 3         |
| Vehicle factors          | 3         | 2         |
| Fatigue                  | 1         | 2         |
| Failed to keep left      | 1         | 1         |
| Over-taking              | 2         | 1         |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows percentages for all minor, fatal and serious crashes combined. Crash severity rated according to the most severely injured casualty in a crash.

Ranking based on data for 2001-2005.

Percentages add to more than 100 as several factors can be relevant in a crash.

**Table A.96** Contributing factors to injury crashes on rural roads, New Plymouth District, average percentages for 1996-2000 and 2001-2005

| CONTRIBUTING FACTOR      | 1996-2000 | 2001-2005 |
|--------------------------|-----------|-----------|
| Poor observation         | 27        | 30        |
| Poor handling            | 19        | 28        |
| Failed to give way/stop  | 17        | 20        |
| Road factors             | 19        | 18        |
| Too fast                 | 19        | 17        |
| Fatigue                  | 10        | 13        |
| Alcohol involved         | 13        | 12        |
| Poor judgement           | 8         | 10        |
| Incorrect lanes/position | 6         | 7         |
| Vehicle factors          | 8         | 6         |
| Failed to keep left      | 10        | 6         |
| Over-taking              | 3         | 5         |
| Disabled/old/ill         | 4         | 4         |
| Weather                  | 2         | 3         |
| Pedestrian factors       | 1         | 1         |
| Cyclist factors          | 1         | 0         |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows percentages for all minor, fatal and serious crashes combined. Crash severity rated according to the most severely injured casualty in a crash.

Ranking based on data for 2001-2005.

Percentages add to more than 100 as several factors can be relevant in a crash.

**Table A.97** Percentage of urban injury road crashes occurring at intersections, New Plymouth District, Group C areas and New Zealand, 1996-2005

| YEAR | NEW PLYMOUTH | GROUP C | NEW ZEALAND |
|------|--------------|---------|-------------|
| 1996 | 73           | 53      | 52          |
| 1997 | 46           | 48      | 51          |
| 1998 | 66           | 51      | 50          |
| 1999 | 59           | 50      | 51          |
| 2000 | 63           | 54      | 52          |
| 2001 | 63           | 53      | 53          |
| 2002 | 58           | 50      | 52          |
| 2003 | 64           | 57      | 53          |
| 2004 | 60           | 54      | 52          |
| 2005 | 61           | 51      | 52          |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows percentages for all minor, fatal and serious crashes combined. Crash severity rated according to the most severely injured casualty in a crash.

**Table A.98** Percentage of rural injury road crashes occurring at intersections, New Plymouth District, Group C areas and New Zealand, 1996-2005

| YEAR | NEW PLYMOUTH | GROUP C | NEW ZEALAND |
|------|--------------|---------|-------------|
| 1996 | 31           | 18      | 18          |
| 1997 | 20           | 17      | 18          |
| 1998 | 25           | 16      | 17          |
| 1999 | 18           | 18      | 17          |
| 2000 | 27           | 19      | 18          |
| 2001 | 29           | 18      | 18          |
| 2002 | 34           | 20      | 17          |
| 2003 | 24           | 18      | 18          |
| 2004 | 20           | 19      | 18          |
| 2005 | 32           | 18      | 17          |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows percentages for all minor, fatal and serious crashes combined. Crash severity rated according to the most severely injured casualty in a crash.

**Table A.99** Percentage of injury road traffic crashes involving alcohol, New Plymouth District, Group C areas and New Zealand, 1996-2005

| YEAR | NEW PLYMOUTH | GROUP C | NEW ZEALAND |
|------|--------------|---------|-------------|
| 1996 | 10           | 15      | 17          |
| 1997 | 11           | 16      | 16          |
| 1998 | 11           | 16      | 17          |
| 1999 | 11           | 17      | 15          |
| 2000 | 13           | 16      | 15          |
| 2001 | 14           | 15      | 14          |
| 2002 | 9            | 15      | 14          |
| 2003 | 8            | 13      | 13          |
| 2004 | 11           | 16      | 13          |
| 2005 | 10           | 15      | 13          |

Source: Data supplied by Land Transport New Zealand

Note: Figure shows annual percentages for all minor, fatal and serious injury combined. Crash severity rated according to the most severely injured casualty in a crash.

**Table A.100** Rates of child restraint use, Taranaki Region and New Zealand, 1997-2005

| YEAR | TARANAKI REGION | NEW ZEALAND |
|------|-----------------|-------------|
| 1997 | 95              | 74          |
| 1998 | 75              | 76          |
| 1999 | 82              | 75          |
| 2000 | 77              | 79          |
| 2001 | 78              | 82          |
| 2002 | 95              | 86          |
| 2003 | 91              | 86          |
| 2004 | 94              | 87          |
| 2005 | 87              | 89          |

Source: Research and Statistics, Ministry of Transport (2006b)

**Table A.101** Rates of cycle helmet wearing, Taranaki Region and New Zealand, 1998-2006

| YEAR | TARANAKI REGION | NEW ZEALAND |
|------|-----------------|-------------|
| 1998 | 97              | 95          |
| 1999 | 96              | 95          |
| 2000 | 94              | 93          |
| 2001 | 95              | 94          |
| 2002 | 90              | 89          |
| 2003 | 86              | 89          |
| 2004 | 92              | 92          |
| 2005 | 92              | 91          |
| 2006 | 95              | 94          |

Source: Research and Statistics, Ministry of Transport (2006c)

## POLICE STATISTICS ON VIOLENT AND SEXUAL OFFENCES

**Table A.102:** Numbers and types of violent offences in New Plymouth Policing District, 1996-2005

| VIOLENT OFFENCES  | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 1996-2000 | 2001-2005 |
|-------------------|------|------|------|------|------|------|------|------|------|------|-----------|-----------|
| Homicide          | 3    | 2    | 1    | 5    | 2    | 0    | 5    | 2    | 6    | 1    | 13        | 14        |
| Robbery           | 25   | 17   | 32   | 24   | 14   | 20   | 22   | 23   | 16   | 28   | 112       | 109       |
| Grievous assaults | 28   | 34   | 28   | 52   | 52   | 47   | 49   | 49   | 59   | 59   | 194       | 263       |
| Serious assaults  | 232  | 220  | 265  | 298  | 286  | 308  | 321  | 349  | 327  | 357  | 1,301     | 1,662     |
| Minor assaults    | 242  | 280  | 261  | 250  | 231  | 235  | 234  | 264  | 239  | 242  | 1,264     | 1,214     |
| Other violence    | 97   | 154  | 174  | 183  | 161  | 171  | 220  | 222  | 184  | 203  | 769       | 1,000     |
| TOTAL             | 627  | 707  | 761  | 812  | 746  | 781  | 851  | 909  | 831  | 890  | 3,653     | 4,262     |

Source: Data obtained from Crime Statistics Table Builder, Statistics New Zealand website

**Table A.103:** Numbers and types of sexual offences in New Plymouth Policing District, 1996-2005

| SEXUAL OFFENCES       | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 1996-2000 | 2001-2005 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|-----------|-----------|
| Sexual violation      | 12   | 20   | 17   | 7    | 20   | 11   | 29   | 25   | 7    | 16   | 76        | 88        |
| Other sexual attacks  | 21   | 29   | 39   | 39   | 31   | 14   | 32   | 47   | 31   | 27   | 159       | 151       |
| Other sexual offences | 37   | 22   | 25   | 21   | 25   | 9    | 18   | 21   | 11   | 32   | 130       | 91        |
| TOTAL                 | 70   | 71   | 81   | 67   | 76   | 34   | 79   | 93   | 49   | 75   | 365       | 330       |

Source: Data obtained from Crime Statistics Table Builder, Statistics New Zealand website

## **APPENDIX B**

# **LIST OF PARTICIPANTS IN COMMUNITY CONSULTATION**

| <b>NAME</b>                               | <b>POSITION</b>  | <b>ORGANISATION / COMPANY</b>                         |
|---|--|---|
| Roger Mori                                | Coroner, North Taranaki                                      |   |
| Karen Lawson                              | Area Manager   | Red Cross Taranaki Service Centre                     |
| John Cunningham                           | Chairperson  | Positive Ageing Trust                                 |
| Kevin Blundell                            | Health & Safety Advisor                                      | Shell Todd Oil Services                               |
| Lyn Hoskin                                | Injury Prevention Health Promoter                            | Manaaki Oranga Ltd                                    |
| Bry Kopu                                  | Manager, Community Development                               | New Plymouth District Council                         |
| Amanda Simpson                            | Tamariki Ora Nurse   | Piki Te Ora Nursing Services Ltd                      |
| Sarah Wilson                              | Kidsafe Coordinator, Injury Prevention Leader                | Health Promotion Unit, Taranaki District Health Board |
| Karmin Erueti-Thatcher                    | Health Promoter, Alcohol & Injury Prevention                 | Health Promotion Unit, Taranaki District Health Board |
| Anne Smillie                              | Clinical Nurse Leader  | Emergency Department, Taranaki Base Hospital          |
| Wayne Robertson                           | Health & Safety Coordinator                                  | Port Taranaki   |
| Janet Tinson                              | Branch Manager   | Accident Compensation Corporation                     |
| Marion James                              | Coordinator  | New Plymouth District Safer Community Council         |
| Pauline Cruikshank                        | Operations Manager   | Hauora Taranaki                                       |
| Ann Kensington                            | Service Manager  | Community Probation Service                           |
| Shirley Read, Rae Blyde, Charmaine Hanser | Rural focus group  | Pukearuhe/ Waitoitoi Branch, Rural Women New Zealand  |
| Gill Martin                               | Physiotherapy Advisor Coordinator                            | Physiotherapy Department, Taranaki Base Hospital      |
| Ian May                                   | Ambulance Manager  | Taranaki Base Hospital                                |
| Glenn Hansen                              | Regional Education Advisor/ Transport Business Advisor       | Land Transport New Zealand                            |
| Ross Fulton                               | Operations Manager   | Sport Taranaki  |
| Andrew Brock                              | Manager/ Chief Executive Officer                             | Pinnacle Taranaki , Primary Health Organisation       |
| Maria Turner                              | Clinical Leader  | Royal NZ Plunket Society (Inc)                        |
| Kathy Glass                               | Elder Protection Coordinator                                 | Te Hauora Pou Heretanga                               |
| Matt Crabtree                             | Fire Safety Officer  | New Zealand Fire Service, New Plymouth District       |
| Inspector Anne Knox                       | Area Commander, New Plymouth                                 | New Zealand Police                                    |
| Sergeant Andrew Ross                      | Youth Services Coordinator, Family Violence Portfolio Holder | New Zealand Police                                    |
| Brett Murray                              | Taranaki Manager for Work Place Services                     | Department of Labour                                  |
| Sandra Boardman                           | General Manager Planning, Funding & Population Health        | Taranaki District Health Board                        |
| Mark Luff                                 | Principal  | Vogeltown School                                      |
| Edward Webb                               | Safety Health & Environment Officer                          | ENSCO Oceanics International Company                  |
| Bev Markin                                | Service Centre Manager                                       | Child Youth & Family                                  |
| Ray Tito                                  | Pae Arahi (Liaison Officer)                                  | Accident Compensation Corporation                     |
| Constable Anna Duncan                     | Youth Education Officer                                      | New Zealand Police                                    |

## **APPENDIX C**

# **COMMUNITY CONSULTATION QUESTIONNAIRES**

**New Plymouth District**  
**Community Injury Prevention Project**  
**Needs Assessment**

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**2006**

**Survey Questionnaire**

**ID number.....**

### ***Why is this needs assessment being done?***

Injuries are a major cause of preventable death and suffering throughout New Zealand and the New Plymouth District is no exception. ACC paid claims data show that between 2003 and 2004, 2,074 people in the New Plymouth District suffered moderate to serious injuries while across the Taranaki Region, 23 died from their injuries.

In 2001 a coalition of organisations, New Plymouth injurySafe, commissioned a community injury needs assessment. The coalition, which includes the New Plymouth District Council, the Health Promotion Unit of Taranaki DHB, Tui Ora Ltd., Kidsafe Taranaki, the New Plymouth Police and ACC used the information to prioritise issues and develop projects aimed at reducing the incidence and severity of injuries in the community. New Plymouth injurySafe has committed to repeating this exercise every five years to ensure that projects continue to be carefully targeted and to monitor progress towards improving safety within the New Plymouth District.

I have been contracted by New Plymouth injurySafe to update the needs assessment on their behalf and prepare a report based on the information gathered. A copy of that report will be sent to all contributors for comment and feedback. The needs assessment also entails an analysis of health, census and other relevant data and a review of recent developments in injury prevention in New Zealand. The needs assessment covers both intentional and unintentional injury.

### ***What is the needs assessment for?***

The aim of the injury prevention needs assessment is to:

- Identify and analyse injury-related data
- Establish the main types of injuries that are occurring in the New Plymouth District
- Establish who is being injured (e.g. age groups, gender, socio-economic and ethnic groups)
- Why, how and where are the injuries occurring
- Identify what people think could be done to reduce these injuries.

### ***Confidentiality***

Results of this interview will not be reported on an individual basis.

### ***For further information about the community injury prevention needs assessment please contact:***

Brenda Archer  
Manager, Health Promotion Unit  
Taranaki District Health Board  
Private Bag 2016  
New Plymouth  
Phone: 06-753 7777 extension 8506; email: [Brenda.archer@tdhb.org.nz](mailto:Brenda.archer@tdhb.org.nz)



Q4 What are the main causes of these injuries, e.g. falls, vehicle, violence?

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Q5 Where do these injuries most frequently occur e.g. on the road, in the home?

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Q6 What do you think are the other main risk factors or circumstances associated with these types of injuries?

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**High priority injuries**

Q7 Of the injuries you have spoken of, which do you think are the highest priority to try to prevent?

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Why do you think that? .....

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Q8 To your knowledge, what is already being done to prevent this / these types of injuries?

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Q9 What effect, if any, do you think these initiatives are having?

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Why do you think they are having this effect?.....

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Q10 What more could be done to prevent this / these type of injuries?

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Q11 Where do you think the responsibility for preventing these injuries lies?

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**Other types of injuries (lower priority)**

Q12 Can you tell me about any initiatives in the district that address other types of injury?

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Q13 What effect, if any, do you think these initiatives are having?

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Why do you think they are having this effect?.....

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Q14 What more could be done to prevent this / these type of injuries?

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Q15 Where do you think the responsibility for preventing these injuries lies?

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**Changing injury patterns**

Q16 In your view, have the patterns of injury in the New Plymouth District changed over the last five years or so?

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(If yes) How have the patterns changed and why?

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Q17 What do you think of taking a community based approach to preventing injuries?

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Q18 Is there anything else we haven't covered here regarding promoting safety and preventing injuries that you would like to add?

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**Thank you for talking to me today.**

## NPiS E-MAIL QUESTIONS

1. In your view, have the patterns of injuries in New Plymouth District changed over the last five years? If so, in what way(s) have they changed and how do you know this?

*(Types of injuries, particular population groups, types of risky activities etc.)*

2. What are the most important new or extra things that could be done in the next five years to prevent injuries in New Plymouth District? Why are these important?

*(Targeting what types of injuries, population groups, types of activities etc.)*

3. To date, what types of injury prevention projects have been most successful in the New Plymouth District? Why have they been successful?

*(Types of injuries addressed, population groups targeted, way in which projects are delivered etc.)*

4. To date, what types of injury prevention projects have been least successful in the New Plymouth District? Why have they been less successful?

*(Types of injuries addressed, population groups targeted, way in which projects are delivered etc.)*

5. Please describe the level of awareness of injury issues you think there is in New Plymouth District among a) local organisations and b) the general public?

6. Please describe the level of support for injury prevention initiatives you think there is in New Plymouth District among a) local organisations and b) the general public?

7. Do you have any other comments about promoting safety or injury prevention in New Plymouth District?