

Road User Behaviour Surveys

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Table 1 – Safety Belt Wearing Rates for Front Seat Adults

In the survey carried out in March and April 2006 about 90,000 adult front seat drivers and passengers were surveyed at 274 sites around the country. Note that this survey was expanded from 114 sites in 2002 to 274 in 2003, so from 2003 results are not strictly comparable with those from earlier surveys.

Region	2000	2001	2002	2003	2004	2005	2006
Northland	83	88	93	90	93	93	98
Auckland	94	94	91	95	96	97	97
Waikato	90	93	94	93	94	96	94
Bay of Plenty	92	94	95	93	95	93	95
Gisborne	97	94	95	96	92	92	96
Hawkes Bay	81	82	90	90	91	91	97
Taranaki	92	93	96	93	92	96	95
Manawatu-Wanganui	87	88	88	88	92	92	96
Wellington	89	94	93	91	94	96	96
Nelson-Marlborough	90	94	95	96	96	97	97
West Coast	82	94	90	90	93	94	95
Canterbury	92	92	93	92	94	95	94
Otago	94	95	95	92	94	94	95
Southland	95	93	87	93	96	97	95
New Zealand	90	92	92	92	94	95	95

Table 2 – Safety Belt Wearing Rates for Rear Seat Adults

In the survey carried out in November/December 2006 rear seat passengers in more than 10,000 cars were observed at 139 sites around the country.

Region	2000	2001	2002	2003	2004	2005	2006
Northland	88	72	84	87	89	94	99
Auckland	84	84	84	82	90	82	93
Waikato	78	80	78	82	85	83	83
Bay of Plenty	66	53	79	70	78	85	90
Gisborne	53	55	54	69	59	97	86
Hawkes Bay	47	52	81	76	87	96	90
Taranaki	66	65	81	83	81	92	91
Manawatu-Wanganui	83	73	79	85	85	87	94
Wellington	78	71	77	82	87	84	89
Nelson-Marlborough	85	82	77	90	93	89	88
West Coast	75	82	79	78	85	89	95
Canterbury	76	58	76	82	88	85	87
Otago	87	85	88	79	78	88	92
Southland	74	76	67\$	88	74	70	64
New Zealand	76	70	80	81	86	86	89

Table 3 - Child Restraints in Cars

In the survey carried out in October/November 2006, children aged under 5 years in more than 5300 cars were observed at 112 sites around the country. The table shows the percentage restrained in approved child restraints. In the 2006 survey 49% were restrained in child seats, 24% in booster seats, 17% in infant seats and less than 1% in child harnesses. A further 6% were restrained by adult safety belts. The remaining 4% were not restrained, including 1% who were held on the knee of other passengers

Region	2000	2001	2002	2003	2004	2005	2006
Northland	70	69	85	84	95	98	100
Auckland	75	77	83	82	81	86	92
Waikato	78	81	88	90	87	89	87
Bay of Plenty	79	78	87	78	81	91	89
Gisborne	68	79	69	76	88	92	83
Hawkes Bay	67	90	94	83	92	98	89
Taranaki	77	78	95	91	94	87	95
Manawatu-Wanganui	83	81	84	89	94	91	94
Wellington	81	84	82	90	89	91	92
Nelson-Marlborough	73	79	94	92	93	91	93
West Coast	82	83	92	92	92	92	93
Canterbury	88	94	91	93	93	83	85
Otago	87	97	97	90	95	91	91
Southland	88	76	81	88	83	94	92
New Zealand	79	82	86	86	87	89	91

Table 4 - Cycle Helmet Wearing Rates

In the survey carried out in March and April 2006 more than 6300 cyclists of primary and intermediate school age, secondary school age and adults were surveyed at 58 sites around the country.

Region	2000	2001	2002	2003	2004	2005	2006
Northland	89	85	81	69	85	91	91
Auckland	91	86	79	76	85	76	89
Waikato	91	96	92	93	91	91	88
Bay of Plenty	91	93	87	87	84	87	93
Gisborne	96	96	92	96	92	93	93
Hawkes Bay	85	91	84	85	95	94	98
Taranaki	95	95	90	86	92	92	95
Manawatu-Wanganui	95	95	87	92	93	95	96
Wellington	96	96	92	91	94	93	95
Nelson-Marlborough	96	97	96	95	95	92	94
West Coast	84	90	62	87	95	82	88
Canterbury	97	97	92	89	94	90	98
Otago	92	91	85	91	98	94	91
Southland	96	97	93	92	95	94	95
New Zealand	93	94	89	89	92	91	94

Open Road Car Speeds

In the survey of open road speeds of cars carried out in July/August 2006 over 10,700 cars were surveyed at 61 sites around the country.

Table 5 - Mean Open Road Speeds (km/h)

Region	2000	2001	2002	2003	2004	2005	2006
Northland	98.2	96.3	96.3	95.7	96.5	95.9	96.0
Auckland	101.9	102.2	100.5	98.5	97.0	97.0	96.5
Waikato	100.2	99.4	97.2	97.0	97.0	96.2	96.6
Bay of Plenty	100.2	96.7	96.4	95.1	96.4	95.5	91.2
Gisborne	97.5	100.1	99.6	97.7	97.3	96.2	97.3
Hawkes Bay	103.5	101.8	101.4	100.0	99.0	98.0	96.1
Taranaki	100.5	99.6	98.5	97.7	98.1	96.2	94.2
Manawatu-Wanganui	105.5	103.6	102.8	100.8	101.1	101.2	97.3
Wellington	97.9	98.7	96.2	97.4	96.2	96.6	92.1
Nelson-Marlborough	-	-	-	-	-	-	*see note
West Coast	-	-	-	-	-	-	*see note
Canterbury	105.3	102.5	101.5	100.0	99.3	99.1	100.2
Otago	101.3	99.1	99.3	97.4	97.9	98.0	97.3
Southland	101.1	101.7	99.7	99.2	98.3	-	*see note
New Zealand	101.4	100.2	99.1	98.0	97.8	97.1	96.4

Table 6 - 85th Percentile Open Road Speeds (km/h)

Region	2000	2001	2002	2003	2004	2005	2006
Northland	109	105	105	105	105	105	104
Auckland	116	116	113	112	110	110	109
Waikato	108	107	104	103	103	102	102
Bay of Plenty	112	109	107	105	107	105	101
Gisborne	110	111	110	108	108	106	107
Hawkes Bay	112	111	108	106	106	104	101
Taranaki	111	109	108	105	105	103	102
Manawatu-Wanganui	115	112	110	107	108	108	104
Wellington	107	108	105	106	104	105	101
Nelson-Marlborough	-	-	-	-	-	-	*see note
West Coast	-	-	-	-	-	-	*see note
Canterbury	113	110	108	106	105	104	105
Otago	110	107	107	105	105	104	104
Southland	110	109	107	107	104	-	*see note
New Zealand	111	109	107	105	105	104	103

85th percentile speed means 15% of the vehicles surveyed were travelling faster than this speed.

* Note: Two or fewer sites in this area - this is inadequate to provide regional estimates.
 For Tasman police district mean speed = 90.2 km/h and 85th percentile = 98 km/h
 For Southern police district mean speed = 97.4 km/h and 85th percentile = 104 km/h

Urban Car Speeds

In the survey of urban speeds of cars carried out in July/August 2006 about 13,260 cars were surveyed at 59 sites around the country.

Table 7 - Mean Urban Speeds (km/h)

Region	2000	2001	2002	2003	2004	2005	2006
Northland	54.2	54.5	53.0	53.1	51.8	51.6	53.0
Auckland	57.7	57.5	56.3	55.9	54.5	54.5	55.4
Waikato	56.7	55.8	55.2	55.8	54.4	53.7	53.9
Bay of Plenty	57.5	50.8	50.5	49.5	49.6	49.6	47.4
Gisborne	51.1	57.6	57.0	56.6	56.0	55.6	55.7
Hawkes Bay	55.4	54.6	54.3	53.7	53.3	51.3	52.3
Taranaki	51.9	51.9	51.6	51.2	50.3	49.5	48.4
Manawatu-Wanganui	54.2	54.8	53.7	51.9	51.5	51.8	50.3
Wellington	53.7	53.2	52.3	51.5	50.8	49.9	49.1
Nelson-Marlborough	53.2	52.1	51.9	50.1	50.4	49.7	49.0
West Coast	-	-	-	-	-	-	-
Canterbury	54.2	54.8	53.8	53.2	52.1	52.3	52.5
Otago	53.1	54.0	53.2	52.7	52.3	-	53.1
Southland	55.9	56.1	54.6	54.2	54.4	-	-
New Zealand	55.3	55.2	54.3	53.7	52.9	52.4	52.6

Table 8 - 85th Percentile Urban Speeds (km/h)

Region	2000	2001	2002	2003	2004	2005	2006
Northland	60.0	61.0	59.0	58.5	57.0	57.0	57.5
Auckland	64.0	63.0	62.0	61.0	59.5	59.0	60.0
Waikato	63.0	61.5	61.0	61.5	60.0	59.5	59.5
Bay of Plenty	64.5	57.0	56.5	55.5	55.0	54.5	53.0
Gisborne	57.5	64.0	63.5	63.5	62.5	62.5	61.5
Hawkes Bay	62.5	60.0	60.5	59.0	58.5	56.5	57.0
Taranaki	57.5	57.5	56.5	56.5	55.0	55.0	54.0
Manawatu-Wanganui	60.5	60.5	59.5	57.0	56.5	56.5	55.0
Wellington	59.0	58.0	57.0	56.0	55.0	54.0	53.0
Nelson-Marlborough	59.0	57.5	57.0	55.5	55.0	54.5	53.5
West Coast	-	-	-	-	-	-	-
Canterbury	60.0	61.0	59.0	59.0	58.0	58.0	58.0
Otago	59.0	59.0	58.0	58.0	57.0	-	57.0
Southland	62.0	62.0	60.5	59.0	60.0	-	-
New Zealand	62.0	61.5	60.5	59.5	58.0	58.0	58.0

85th percentile speed means 15% of the vehicles surveyed were travelling faster than this speed.

* Note: For Southern police district mean speed = 53.1 km/h and 85th percentile = 57 km/h

