

Road User Behaviour Surveys

Contents

		<u>Tables</u>	<u>Page</u>
Table 1	Seatbelt Wearing Rates for Front Seat Adults.	. . . . .	166
Table 2	Seatbelt Wearing Rates for Rear Seat Adults .	. . . . .	166
Table 3	Child Restraints in Cars . . . . .	. . . . .	167
Table 4	Cycle Helmet Wearing Rates . . . . .	. . . . .	167
Table 5	Mean Open Road Speeds . . . . .	. . . . .	168
Table 6	85th Percentile Open Road Speeds . . . . .	. . . . .	168
Table 7	Mean Urban Speeds . . . . .	. . . . .	169
Table 8	85th Percentile Urban Speeds . . . . .	. . . . .	169

Table 1 – Safety Belt Wearing Rates for Front Seat Adults

In the survey carried out in March and April 2005 about 95,000 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	1999	2000	2001	2002	2003	2004	2005
Northland	87	83	88	93	90	93	93
Auckland	93	94	94	91	95	96	97
Waikato	87	90	93	94	93	94	96
Bay of Plenty	90	92	94	95	93	95	93
Gisborne	93	97	94	95	96	92	92
Hawkes Bay	79	81	82	90	90	91	91
Taranaki	98	92	93	96	93	92	96
Manawatu-Wanganui	83	87	88	88	88	92	92
Wellington	95	89	94	93	91	94	96
Nelson-Marlborough	89	90	94	95	96	96	97
West Coast	77	82	94	90	90	93	94
Canterbury	90	92	92	93	92	94	95
Otago	93	94	95	95	92	94	94
Southland	92	95	93	87	93	96	97
New Zealand	89	90	92	92	92	94	95

Table 2 – Safety Belt Wearing Rates for Rear Seat Adults

In the survey carried out in November/December 2005 rear seat passengers in more than 10,000 cars were observed at 139 sites around the country.

Region	1999	2000	2001	2002	2003	2004	2005
Northland	76	88	72	84	87	89	94
Auckland	57	84	84	84	82	90	82
Waikato	75	78	80	78	82	85	83
Bay of Plenty	73	66	53	79	70	78	85
Gisborne	39	53	55	54	69	59	97
Hawkes Bay	64	47	52	81	76	87	96
Taranaki	71	66	65	81	83	81	92
Manawatu-Wanganui	60	83	73	79	85	85	87
Wellington	85	78	71	77	82	87	84
Nelson-Marlborough	74	85	82	77	90	93	89
West Coast	61	75	82	79	78	85	89
Canterbury	58	76	58	76	82	88	85
Otago	71	87	85	88	79	78	88
Southland	64	74	76	67\$	88	74	70
New Zealand	67	76	70	80	81	86	86

Table 3 - Child Restraints in Cars

In the survey carried out in September 2005, children aged under 5 years in more than 5700 cars were observed at 112 sites around the country. The table shows the percentage restrained in approved child restraints. In the 2005 survey 49% were restrained in child seats, 22% in booster seats, 16% in infant seats and less than 1% in child harnesses. A further 7% were restrained by adult safety belts. The remaining 4% were not restrained, including 1% who were held on the knee of other passengers

Region	1999	2000	2001	2002	2003	2004	2005
Northland	61	70	69	85	84	95	98
Auckland	70	75	77	83	82	81	86
Waikato	80	78	81	88	90	87	89
Bay of Plenty	75	79	78	87	78	81	91
Gisborne	47	68	79	69	76	88	92
Hawkes Bay	74	67	90	94	83	92	98
Taranaki	82	77	78	95	91	94	87
Manawatu-Wanganui	71	83	81	84	89	94	91
Wellington	81	81	84	82	90	89	91
Nelson-Marlborough	65	73	79	94	92	93	91
West Coast	80	82	83	92	92	92	92
Canterbury	87	88	94	91	93	93	83
Otago	89	87	97	97	90	95	91
Southland	84	88	76	81	88	83	94
New Zealand	75	79	82	86	86	87	89

Table 4 - Cycle Helmet Wearing Rates

In the survey carried out in March and April 2005 more than 5700 cyclists of primary and intermediate school age, secondary school age and adults were surveyed at 58 sites around the country.

Region	1999	2000	2001	2002	2003	2004	2005
Northland	75	89	85	81	69	85	91
Auckland	82	91	86	79	76	85	76
Waikato	93	91	96	92	93	91	91
Bay of Plenty	94	91	93	87	87	84	87
Gisborne	96	96	96	92	96	92	93
Hawkes Bay	91	85	91	84	85	95	94
Taranaki	96	95	95	90	86	92	92
Manawatu-Wanganui	96	95	95	87	92	93	95
Wellington	96	96	96	92	91	94	93
Nelson-Marlborough	96	96	97	96	95	95	92
West Coast	97	84	90	62	87	95	82
Canterbury	98	97	97	92	89	94	90
Otago	94	92	91	85	91	98	94
Southland	98	96	97	93	92	95	94
New Zealand	95	93	94	89	89	92	91

Open Road Car Speeds

In the survey of open road speeds of cars carried out in July/August 2005 over 12,700 cars were surveyed at 61 sites around the country.

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

Region	1999	2000	2001	2002	2003	2004	2005
Northland	99.1	98.2	96.3	96.3	95.7	96.5	95.9
Auckland	101.0	101.9	102.2	100.5	98.5	97.0	97.0
Waikato	101.0	100.2	99.4	97.2	97.0	97.0	96.2
Bay of Plenty	100.7	100.2	96.7	96.4	95.1	96.4	95.5
Gisborne	97.5	97.5	100.1	99.6	97.7	97.3	96.2
Hawkes Bay	103.9	103.5	101.8	101.4	100.0	99.0	98.0
Taranaki	99.9	100.5	99.6	98.5	97.7	98.1	96.2
Manawatu-Wanganui	105.8	105.5	103.6	102.8	100.8	101.1	101.2
Wellington	99.1	97.9	98.7	96.2	97.4	96.2	96.6
Nelson-Marlborough	98.2	-	-	-	-	-	*see note
West Coast	101.0	-	-	-	-	-	*see note
Canterbury	104.6	105.3	102.5	101.5	100.0	99.3	99.1
Otago	101.2	101.3	99.1	99.3	97.4	97.9	98.0
Southland	102.6	101.1	101.7	99.7	99.2	98.3	*see note
New Zealand	101.8	101.4	100.2	99.1	98.0	97.8	97.1

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

Region	1999	2000	2001	2002	2003	2004	2005
Northland	110	109	105	105	105	105	105
Auckland	116	116	116	113	112	110	110
Waikato	110	108	107	104	103	103	102
Bay of Plenty	113	112	109	107	105	107	105
Gisborne	110	110	111	110	108	108	106
Hawkes Bay	113	112	111	108	106	106	104
Taranaki	110	111	109	108	105	105	103
Manawatu-Wanganui	116	115	112	110	107	108	108
Wellington	109	107	108	105	106	104	105
Nelson-Marlborough	109	-	-	-	-	-	*see note
West Coast	112	-	-	-	-	-	*see note
Canterbury	114	113	110	108	106	105	104
Otago	110	110	107	107	105	105	104
Southland	112	110	109	107	107	104	*see note
New Zealand	112	111	109	107	105	105	104

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 = 91.0 km/h and 85th percentile = 99 km/h
 For Southern police district mean speed = 98.1 km/h and 85th percentile = 104 km/h

Urban Car Speeds

In the survey of urban speeds of cars carried out in July/August 2005 about 15,500 cars were surveyed at 59 sites around the country.

Table 7 - Mean Urban Speeds (km/h)

Region	1999	2000	2001	2002	2003	2004	2005
Northland	55.1	54.2	54.5	53.0	53.1	51.8	51.6
Auckland	58.2	57.7	57.5	56.3	55.9	54.5	54.5
Waikato	57.6	56.7	55.8	55.2	55.8	54.4	53.7
Bay of Plenty	57.3	57.5	50.8	50.5	49.5	49.6	49.6
Gisborne	51.0	51.1	57.6	57.0	56.6	56.0	55.6
Hawkes Bay	56.1	55.4	54.6	54.3	53.7	53.3	51.3
Taranaki	53.2	51.9	51.9	51.6	51.2	50.3	49.5
Manawatu-Wanganui	56.0	54.2	54.8	53.7	51.9	51.5	51.8
Wellington	53.6	53.7	53.2	52.3	51.5	50.8	49.9
Nelson-Marlborough	53.4	53.2	52.1	51.9	50.1	50.4	49.7
West Coast							
Canterbury	54.0	54.2	54.8	53.8	53.2	52.1	52.3
Otago	55.4	53.1	54.0	53.2	52.7	52.3	
Southland	55.4	55.9	56.1	54.6	54.2	54.4	
New Zealand	55.8	55.3	55.2	54.3	53.7	52.9	52.4

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

Region	1999	2000	2001	2002	2003	2004	2005
Northland	62.0	60.0	61.0	59.0	58.5	57.0	57.0
Auckland	65.0	64.0	63.0	62.0	61.0	59.5	59.0
Waikato	64.5	63.0	61.5	61.0	61.5	60.0	59.5
Bay of Plenty	63.5	64.5	57.0	56.5	55.5	55.0	54.5
Gisborne	58.0	57.5	64.0	63.5	63.5	62.5	62.5
Hawkes Bay	62.5	62.5	60.0	60.5	59.0	58.5	56.5
Taranaki	58.5	57.5	57.5	56.5	56.5	55.0	55.0
Manawatu-Wanganui	62.0	60.5	60.5	59.5	57.0	56.5	56.5
Wellington	59.0	59.0	58.0	57.0	56.0	55.0	54.0
Nelson-Marlborough	60.0	59.0	57.5	57.0	55.5	55.0	54.5
West Coast							
Canterbury	60.0	60.0	61.0	59.0	59.0	58.0	58.0
Otago	61.0	59.0	59.0	58.0	58.0	57.0	
Southland	61.0	62.0	62.0	60.5	59.0	60.0	
New Zealand	62.5	62.0	61.5	60.5	59.5	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 = 51.6 km/h and 85th percentile = 57 km/h

