

ROAD USER BEHAVIOUR SURVEYS



CONTENTS

TABLES

Table 1	Safety belt wearing rates for front seat adults	156
Table 2	Safety belt wearing rates for rear seat adults	156
Table 3	Child restraints in cars	157
Table 4	Cycle helmet wearing rates	157
Table 5	Mean open road speeds (km/h)	158
Table 6	85th percentile open road speeds (km/h)	158
Table 7	Mean urban speeds (km/h)	159
Table 8	85th percentile urban speeds (km/h)	159



TABLE 1: SAFETY BELT WEARING RATES FOR FRONT SEAT ADULTS

In the survey carried out in March and April 2008, 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	2002	2003	2004	2005	2006	2007	2008
Northland	93	90	93	93	98	100	90
Auckland	91	95	96	97	97	96	96
Waikato	94	93	94	96	94	95	97
Bay of Plenty	95	93	95	93	95	94	93
Gisborne	95	96	92	92	96	88	85
Hawke's Bay	90	90	91	91	97	94	89
Taranaki	96	93	92	96	95	95	96
Manawatu-Wanganui	88	88	92	92	96	96	96
Wellington	93	91	94	96	96	95	95
Nelson-Marlborough	95	96	96	97	97	97	97
West Coast	90	90	93	94	95	95	96
Canterbury	93	92	94	95	94	97	96
Otago	95	92	94	94	95	95	97
Southland	87	93	96	97	95	95	96
New Zealand	92	92	94	95	95	95	95

TABLE 2: SAFETY BELT WEARING RATES FOR REAR SEAT ADULTS

In the survey carried out in November/December 2008, more than 9000 adults seated in the rear seats of cars were observed at 139 sites around the country.

REGION	2002	2003	2004	2005	2006	2007	2008
Northland	84	87	89	94	99	71	73
Auckland	84	82	90	82	93	92	88
Waikato	78	82	85	83	83	88	83
Bay of Plenty	79	70	78	85	90	76	86
Gisborne	54	69	59	97	86	92	*see note
Hawke's Bay	81	76	87	96	90	84	87
Taranaki	81	83	81	92	91	93	94
Manawatu-Wanganui	79	85	85	87	94	92	92
Wellington	77	82	87	84	89	87	89
Nelson-Marlborough	77	90	93	89	88	87	83
West Coast	79	78	85	89	95	91	91
Canterbury	76	82	88	85	87	91	92
Otago	88	79	78	88	92	84	79
Southland	67	88	74	70	64	71	78
New Zealand	80	81	86	86	89	87	87

* NOTE: Sample too small in this area to provide regional estimates.

TABLE 3: CHILD RESTRAINTS IN CARS

In the survey carried out in September 2008, children aged under five years in more than 4800 cars were observed at 112 sites around the country. The table shows the percentage restrained in appropriate child restraints. In the 2008 survey 52 percent were restrained in child seats, 23 percent in booster seats, 13 percent in infant seats and less than 1 percent in child harnesses. A further 5 percent were restrained by adult safety belts. The remaining 5 percent were not restrained at all.

REGION	2002	2003	2004	2005	2006	2007	2008
Northland	85	84	95	98	100	95	88
Auckland	83	82	81	86	92	90	90
Waikato	88	90	87	89	87	89	93
Bay of Plenty	87	78	81	91	89	86	87
Gisborne	69	76	88	92	83	100	94
Hawke's Bay	94	83	92	98	89	92	92
Taranaki	95	91	94	87	95	96	96
Manawatu-Wanganui	84	89	94	91	94	97	95
Wellington	82	90	89	91	92	90	81
Nelson-Marlborough	94	92	93	91	93	91	96
West Coast	92	92	92	92	93	96	99
Canterbury	91	93	93	83	85	90	91
Otago	97	90	95	91	91	98	96
Southland	81	88	83	94	92	90	95
New Zealand	86	86	87	89	91	91	90

TABLE 4: CYCLE HELMET WEARING RATES

In the survey carried out in March and April 2008, more than 5700 cyclists of primary and intermediate school age, secondary school age and adults were surveyed at 58 sites around the country.

REGION	2002	2003	2004	2005	2006	2007	2008
Northland	81	69	85	91	91	77	84
Auckland	79	76	85	76	89	89	85
Waikato	92	93	91	91	88	89	82
Bay of Plenty	87	87	84	87	93	93	92
Gisborne	92	96	92	93	93	79	96
Hawke's Bay	84	85	95	94	98	90	94
Taranaki	90	86	92	92	95	98	90
Manawatu-Wanganui	87	92	93	95	96	93	94
Wellington	92	91	94	93	95	88	95
Nelson-Marlborough	96	95	95	92	94	93	93
West Coast	62	87	95	82	88	94	94
Canterbury	92	89	94	90	98	96	97
Otago	85	91	98	94	91	93	93
Southland	93	92	95	94	95	95	92
New Zealand	89	89	92	91	94	92	92



OPEN ROAD CAR SPEEDS

In the survey of open road speeds of cars carried out in July/August 2008, about 12,900 cars were surveyed at about 65 sites around the country.

The speed surveys are designed to monitor changes in free speeds of vehicles. That is, speeds attained when the vehicle is unimpeded by the presence of other vehicles (ie, there is some distance between a vehicle travelling at a free speed and the vehicle in front of it) or by environmental features such as traffic lights, intersections, hills, corners or road works. By monitoring the speeds of unimpeded vehicles, these surveys measure driver choice of speed.

The regional surveys are designed to track changes over time in driver speed choice within regions. They are not designed to provide valid comparisons between regions.

TABLE 5: MEAN OPEN ROAD SPEEDS (KM/H)

REGION	2002	2003	2004	2005	2006	2007	2008
Northland	96.3	95.7	96.5	95.9	96.0	95.0	96.3
Auckland	100.5	98.5	97.0	97.0	96.5	96.2	95.3
Waikato	97.2	97.0	97.0	96.2	96.6	95.2	94.6
Bay of Plenty	96.4	95.1	96.4	95.5	91.2	91.5	95.4
Gisborne	99.6	97.7	97.3	96.2	97.3	97.8	95.8
Hawke's Bay	101.4	100.0	99.0	98.0	96.1	96.3	99.8
Taranaki	98.5	97.7	98.1	96.2	94.2	94.4	94.3
Manawatu-Wanganui	102.8	100.8	101.1	101.2	97.3	97.7	97.0
Wellington	96.2	97.4	96.2	96.6	92.1	93.2	94.0
Nelson-Marlborough	-	-	-	-	-	-	*see note
West Coast	-	-	-	-	-	-	*see note
Canterbury	101.5	100.0	99.3	99.1	100.2	99.3	98.5
Otago	99.3	97.4	97.9	98.0	97.3	99.8	100.9
Southland	99.7	99.2	98.3	-	*see note	99.4	100.1
New Zealand	99.1	98.0	97.8	97.1	96.4	96.3	96.6

TABLE 6: 85TH PERCENTILE OPEN ROAD SPEEDS (KM/H)

REGION	2002	2003	2004	2005	2006	2007	2008
Northland	105	105	105	105	104	102	104
Auckland	113	112	110	110	109	109	108
Waikato	104	103	103	102	102	101	101
Bay of Plenty	107	105	107	105	101	101	106
Gisborne	110	108	108	106	107	107	105
Hawke's Bay	108	106	106	104	101	101	105
Taranaki	108	105	105	103	102	102	102
Manawatu-Wanganui	110	107	108	108	104	103	103
Wellington	105	106	104	105	101	102	102
Nelson-Marlborough	-	-	-	-	-	-	*see note
West Coast	-	-	-	-	-	-	*see note
Canterbury	108	106	105	104	105	104	103
Otago	107	105	105	104	104	105	105
Southland	107	107	104	-	*see note	105	106
New Zealand	107	105	105	104	103	103	103

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

* NOTE: Too few sites in this area to provide regional estimates.

URBAN CAR SPEEDS

In the survey of urban speeds of cars carried out in July/August 2008, about 16,900 cars were surveyed at about 65 sites around the country.

The speed surveys are designed to monitor changes in free speeds of vehicles. That is, speeds attained when the vehicle is unimpeded by the presence of other vehicles (ie there is some distance between a vehicle travelling at a free speed and the vehicle in front of it) or by environmental features such as traffic lights, intersections, hills, corners or road works. By monitoring the speeds of unimpeded vehicles, these surveys measure driver choice of speed.

The regional surveys are designed to track changes over time in driver speed choice within regions, they are not designed to provide valid comparisons between regions.

TABLE 7: MEAN URBAN SPEEDS (KM/H)

REGION	2002	2003	2004	2005	2006	2007	2008
Northland	53.0	53.1	51.8	51.6	53.0	53.0	52.4
Auckland	56.3	55.9	54.5	54.5	55.4	55.3	55.1
Waikato	55.2	55.8	54.4	53.7	53.9	52.2	52.5
Bay of Plenty	50.5	49.5	49.6	49.6	47.4	48.2	49.5
Gisborne	57.0	56.6	56.0	55.6	55.7	55.2	55.8
Hawke's Bay	54.3	53.7	53.3	51.3	52.3	51.7	52.2
Taranaki	51.6	51.2	50.3	49.5	48.4	48.9	48.2
Manawatu-Wanganui	53.7	51.9	51.5	51.8	50.3	50.2	51.6
Wellington	52.3	51.5	50.8	49.9	49.1	49.4	49.7
Nelson-Marlborough	51.9	50.1	50.4	49.7	49.0	49.0	50.4
West Coast	-	-	-	-	-	-	*note
Canterbury	53.8	53.2	52.1	52.3	52.5	52.5	52.1
Otago	53.2	52.7	52.3	-	53.1	52.4	51.4
Southland	54.6	54.2	54.4	-	-	55.1	54.4
New Zealand	54.3	53.7	52.9	52.4	52.6	52.5	52.6

TABLE 8: 85TH PERCENTILE URBAN SPEEDS (KM/H)

REGION	2002	2003	2004	2005	2006	2007	2008
Northland	59.0	58.5	57.0	57.0	57.5	58.0	57.0
Auckland	62.0	61.0	59.5	59.0	60.0	60.0	60.0
Waikato	61.0	61.5	60.0	59.5	59.5	58.0	58.0
Bay of Plenty	56.5	55.5	55.0	54.5	53.0	53.5	54.0
Gisborne	63.5	63.5	62.5	62.5	61.5	61.5	62.5
Hawke's Bay	60.5	59.0	58.5	56.5	57.0	57.0	57.0
Taranaki	56.5	56.5	55.0	55.0	54.0	54.0	53.0
Manawatu-Wanganui	59.5	57.0	56.5	56.5	55.0	55.0	56.0
Wellington	57.0	56.0	55.0	54.0	53.0	53.0	53.5
Nelson-Marlborough	57.0	55.5	55.0	54.5	53.5	53.5	54.5
West Coast				-	-	-	*note
Canterbury	59.0	59.0	58.0	58.0	58.0	59.0	58.0
Otago	58.0	58.0	57.0	-	57.0	57.0	56.5
Southland	60.5	59.0	60.0	-	*note	60.5	59.5
New Zealand	60.5	59.5	58.0	58.0	58.0	58.0	58.0

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

* NOTE: Too few sites in this area to provide regional estimates.

