

ROAD USER BEHAVIOUR SURVEY

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TABLE 1 – SAFETY BELT WEARING RATES FOR FRONT SEAT ADULTS

In the survey carried out in March and April 2003 more than 96,100 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 2003 results are not strictly comparable with those from earlier surveys.

Region	1997	1998	1999	2000	2001	2002	2003
Northland	75%	84%	87%	83%	88%	93%	90%
Auckland	90%	97%	93%	94%	94%	91%	95%
Waikato	88%	88%	87%	90%	93%	94%	93%
Bay of Plenty	78%	83%	90%	92%	94%	95%	93%
Gisborne	82%	91%	93%	97%	94%	95%	96%
Hawkes Bay	82%	81%	79%	81%	82%	90%	90%
Taranaki	91%	96%	98%	92%	93%	96%	93%
Manawatu- Wanganui	90%	84%	83%	87%	88%	88%	88%
Wellington	90%	88%	95%	89%	94%	93%	91%
Nelson- Marlborough	92%	89%	89%	90%	94%	95%	96%
West Coast	79%	73%	77%	82%	94%	90%	90%
Canterbury	92%	91%	90%	92%	92%	93%	92%
Otago	93%	93%	93%	94%	95%	95%	92%
Southland	90%	88%	92%	95%	93%	87%	93%
New Zealand	88%	88%	89%	90%	92%	92%	92%

TABLE 2 – SAFETY BELT WEARING RATES FOR REAR SEAT ADULTS

In the survey carried out in November/December 2003 rear seat passengers in more than 10000 cars were observed at 139 sites around the country.

Region	1997	1998	1999	2000	2001	2002	2003
Northland	39%	64%	76%	88%	72%	84%	87%
Auckland	46%	62%	57%	84%	84%	84%	82%
Waikato	64%	71%	75%	78%	80%	78%	82%
Bay of Plenty	53%	46%	73%	66%	53%	79%	70%
Gisborne	26%	38%	39%	53%	55%	54%	69%
Hawkes Bay	42%	53%	64%	47%	52%	81%	76%
Taranaki	63%	64%	71%	66%	65%	81%	83%
Manawatu- Wanganui	54%	67%	60%	83%	73%	79%	85%
Wellington	74%	77%	85%	78%	71%	77%	82%
Nelson- Marlborough	60%	51%	74%	85%	82%	77%	90%
West Coast	58%	59%	61%	75%	82%	79%	78%
Canterbury	63%	49%	58%	76%	58%	76%	82%
Otago	52%	68%	71%	87%	85%	88%	79%

Southland	54%	54%	64%	74%	76%	67\$	88%
New Zealand	56%	62%	67%	76%	70%	80%	81%

TABLE 3 - CHILD RESTRAINTS IN CARS

In the survey carried out in November and December 2003, children aged under 5 years in more than 5000 cars were observed at 110 sites around the country. The table shows the percentage restrained in approved child restraints. In the 2003 survey 47% were restrained in child seats, 29% in booster seats, 10% in infant seats and 1% in child harnesses. A further 8% were restrained by adult safety belts.

Region	1997	1998	1999	2000	2001	2002	2003
Northland	62%	60%	61%	70%	69%	85%	84%
Auckland	68%	73%	70%	75%	77%	83%	82%
Waikato	76%	75%	80%	78%	81%	88%	90%
Bay of Plenty	72%	68	75%	79%	78%	87%	78%
Gisborne	64%	n/a	47%	68%	79%	69%	76%
Hawkes Bay	64%	62%	74%	67%	90%	94%	83%
Taranaki	95%	75%	82%	77%	78%	95%	91%
Manawatu- Wanganui	79%	78%	71%	83%	81%	84%	89%
Wellington	82%	81%	81%	81%	84%	82%	90%
Nelson- Marlborough	74%	78%	65%	73%	79%	94%	92%
West Coast	89%	95%	80%	82%	83%	92%	92%
Canterbury	82%	90%	87%	88%	94%	91%	93%
Otago	80%	91%	89%	87%	97%	97%	90%
Southland	78%	87%	84%	88%	76%	81%	88%
New Zealand	74%	76%	75%	79%	82%	86%	86%

TABLE 4 - CYCLE HELMET WEARING RATES

In the survey carried out in March and April 2003 more than 7000 cyclists of primary and intermediate school age, secondary school age and adults were surveyed at 58 sites around the country.

Region	1997	1998	1999	2000	2001	2002	2003
Northland	87%	96%	75%	89%	85%	81%	69%
Auckland	87%	83%	82%	91%	86%	79%	76%
Waikato	92%	93%	93%	91%	96%	92%	93%
Bay of Plenty	92%	93%	94%	91%	93%	87%	87%
Gisborne	98%	98%	96%	96%	96%	92%	96%
Hawkes Bay	87%	89%	91%	85%	91%	84%	85%
Taranaki	93%	97%	96%	95%	95%	90%	86%
Manawatu- Wanganui	96%	97%	96%	95%	95%	87%	92%
Wellington	96%	97%	96%	96%	96%	92%	91%
Nelson- Marlborough	98%	98%	96%	96%	97%	96%	95%

West Coast	89%	97%	97%	84%	90%	62%	87%
Canterbury	96%	97%	98%	97%	97%	92%	89%
Otago	95%	95%	94%	92%	91%	85%	91%
Southland	99%	97%	98%	96%	97%	93%	92%
New Zealand	94%	95%	95%	93%	94%	89%	89%

OPEN ROAD CAR SPEEDS

In the survey of open road speeds of cars carried out in July 2003 about 13,000 cars were surveyed at 61 sites around the country.

TABLE 5 - MEAN OPEN ROAD SPEEDS (km/h)

Region	1997	1998	1999	2000	2001	2002	2003
Northland	97.9	99.0	99.1	98.2	96.3	96.3	95.7
Auckland	100.0	102.5	101.0	101.9	102.2	100.5	98.5
Waikato	101.6	102.6	101.0	100.2	99.4	97.2	97.0
Bay of Plenty	100.2	100.2	100.7	100.2	96.7	96.4	95.1
Gisborne	95.5	97.0	97.5	97.5	100.1	99.6	97.7
Hawkes Bay	103.7	104.1	103.9	103.5	101.8	101.4	100.0
Taranaki	101.0	100.7	99.9	100.5	99.6	98.5	97.7
Manawatu- Wanganui	104.7	105.6	105.8	105.5	103.6	102.8	100.8
Wellington	97.4	99.3	99.1	97.9	98.7	96.2	97.4
Nelson- Marlborough	98.2	98.8	98.2	-	-	-	*see note
West Coast	100.2	101.8	101.0	-	-	-	*see note
Canterbury	104.5	105.2	104.6	105.3	102.5	101.5	100.0
Otago	102.5	101.8	101.2	101.3	99.1	99.3	97.4
Southland	102.7	101.8	102.6	101.1	101.7	99.7	99.2
New Zealand	101.6	102.2	101.8	101.4	100.2	99.1	98.0

TABLE 6 - 85th PERCENTILE OPEN ROAD SPEEDS (km/h)

Region	1997	1998	1999	2000	2001	2002	2003
Northland	110	112	110	109	105	105	105
Auckland	114	117	116	116	116	113	112
Waikato	111	112	110	108	107	104	103
Bay of Plenty	111	112	113	112	109	107	105
Gisborne	108	110	110	110	111	110	108
Hawkes Bay	114	114	113	112	111	108	106
Taranaki	112	111	110	111	109	108	105
Manawatu- Wanganui	115	116	116	115	112	110	107
Wellington	107	110	109	107	108	105	106
Nelson- Marlborough	110	110	109	-	-	-	*see note
West Coast	113	112	112	-	-	-	*see note
Canterbury	114	116	114	113	110	108	106
Otago	113	111	110	110	107	107	105
Southland	113	111	112	110	109	107	107

New Zealand	113	113	112	111	109	107	105
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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 = 94.4 km/h and 85th percentile = 103 km/h

URBAN CAR SPEEDS

In the survey of urban speeds of cars carried out in July 2003
about 19,100 cars were surveyed at 66 sites around the country.

TABLE 7 - MEAN URBAN SPEEDS (km/h)

Region	1997	1998	1999	2000	2001	2002	2003
Northland	55.9	55.6	55.1	54.2	54.5	53.0	53.1
Auckland	59.2	57.9	58.2	57.7	57.5	56.3	55.9
Waikato	56.2	57.3	57.6	56.7	55.8	55.2	55.8
Bay of Plenty	57.1	56.7	57.3	57.5	50.8	50.5	49.5
Gisborne	50.9	50.0	51.0	51.1	57.6	57.0	56.6
Hawkes Bay	55.7	56.6	56.1	55.4	54.6	54.3	53.7
Taranaki	54.8	53.8	53.2	51.9	51.9	51.6	51.2
Manawatu- Wanganui	56.0	55.8	56.0	54.2	54.8	53.7	51.9
Wellington	55.1	54.9	53.6	53.7	53.2	52.3	51.5
Nelson- Marlborough West Coast	55.2	54.4	53.4	53.2	52.1	51.9	50.1
Canterbury	54.7	54.4	54.0	54.2	54.8	53.8	53.2
Otago	53.4	54.2	55.4	53.1	54.0	53.2	52.7
Southland	56.2	55.9	55.4	55.9	56.1	54.6	54.2
New Zealand	56.3	55.9	55.8	55.3	55.2	54.3	53.7

TABLE 8 - 85th PERCENTILE URBAN SPEEDS (km/h)

Region	1997	1998	1999	2000	2001	2002	2003
Northland	62.0	61.5	62.0	60.0	61.0	59.0	58.5
Auckland	66.0	65.0	65.0	64.0	63.0	62.0	61.0
Waikato	63.0	64.0	64.5	63.0	61.5	61.0	61.5
Bay of Plenty	64.0	63.5	63.5	64.5	57.0	56.5	55.5
Gisborne	58.0	57.5	58.0	57.5	64.0	63.5	63.5
Hawkes Bay	62.5	64.0	62.5	62.5	60.0	60.5	59.0
Taranaki	61.0	59.0	58.5	57.5	57.5	56.5	56.5
Manawatu- Wanganui	62.0	62.5	62.0	60.5	60.5	59.5	57.0
Wellington	60.0	60.0	59.0	59.0	58.0	57.0	56.0
Nelson- Marlborough West Coast	61.5	60.0	60.0	59.0	57.5	57.0	55.5
Canterbury	61.0	60.0	60.0	60.0	61.0	59.0	59.0
Otago	59.0	60.0	61.0	59.0	59.0	58.0	58.0
Southland	62.0	62.0	61.0	62.0	62.0	60.5	59.0
New Zealand	63.0	63.0	62.5	62.0	61.5	60.5	59.5

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

