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#  results Summary <br> R 3 <br>   <br> $\mathbf{r t}$ 

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For more information about road safety check out the Ministry of Transport website at www.transport.govt.nz.

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## Purpose

The purpose of this report is to present summary results of the Ministry's annual survey of vehicle speeds. The results of the latest survey are presented along with the trends over time. There is no further discussion of the results or the statistical significance of trends.

## Background to the Annual Speed Surveys

The speed surveys are designed to monitor changes in free speeds of vehicles in both $100 \mathrm{~km} / \mathrm{h}$ speed limit areas and main urban $50 \mathrm{~km} / \mathrm{h}$ areas. Free speeds are measured when vehicles are unimpeded by the presence of other vehicles (i.e., 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. Monitoring the speeds of unimpeded vehicles provides a measure of driver choice of speed. This provides us with information on the effectiveness of speed management measures and provides information for developing safety policies.

Speed surveys are conducted at randomly selected sites around New Zealand annually to provide an estimate of the national speed profile. There are about 65 open road and 65 urban sites surveyed each year. The current sites have been surveyed since 1995. The speed survey results can also be broken down to a regional level and into light and heavy vehicles.

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. To obtain valid comparisons between regions the set of sites used in each region would need to be comparable in every way.

Vehicle speeds are measured by a surveyor, who surveys the site at the same time of day and day of the week as in previous years. The surveys are carried out in an unobtrusive manner to ensure that the speeds measured are minimally affected by the survey procedures.

The national speed profile provides a measure of safety on New Zealand's roads. Research has shown a clear link between vehicle speeds and road crashes. This is because as speed increases, stopping distances increase, there is greater probability of exceeding the critical speed on a curve, and there is greater chance other road users will misjudge how fast the speeding driver is travelling. Furthermore the severity of injuries resulting from a crash is directly related to the pre-crash speed of the vehicle, whether or not speeding was a factor in the crash.

## Car Speeds

In 2015, speeds were surveyed for 14,632 cars on the open road (speed limit $100 \mathrm{~km} / \mathrm{h}$ ) and 19,520 cars on urban roads (speed limit $50 \mathrm{~km} / \mathrm{h}$ ). Surveys were spread over 70 open road and 66 urban sites.

|  | Open Road Car Speeds |  |  | Urban Car Speeds |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Mean speed (km/h) | $\begin{aligned} & \text { 85th * } \\ & \text { percentile } \\ & (\mathrm{km} / \mathrm{h}) \end{aligned}$ | Percent travelling over 100 km/h | Mean speed (km/h) | $\begin{aligned} & \text { 85th * } \\ & \text { percentile } \\ & (\mathrm{km} / \mathrm{h}) \end{aligned}$ | Percent travelling over 50 km/h |
| 1996 | 102.3 | 115 | 56\% | 56.5 | 64 | 82\% |
| 1997 | 101.6 | 113 | 54\% | 56.3 | 63 | 82\% |
| 1998 | 102.2 | 113 | 57\% | 55.9 | 63 | 81\% |
| 1999 | 101.8 | 112 | 56\% | 55.8 | 63 | 80\% |
| 2000 | 101.4 | 111 | 52\% | 55.3 | 62 | 79\% |
| 2001 | 100.2 | 109 | 47\% | 55.2 | 62 | 79\% |
| 2002 | 99.1 | 107 | 43\% | 54.3 | 61 | 76\% |
| 2003 | 98.0 | 105 | 39\% | 53.7 | 60 | 72\% |
| 2004 | 97.8 | 105 | 39\% | 52.9 | 58 | 67\% |
| 2005 | 97.1 | 104 | 36\% | 52.4 | 58 | 63\% |
| 2006 | 96.4 | 103 | 32\% | 52.6 | 58 | 63\% |
| 2007 | 96.3 | 103 | 29\% | 52.5 | 58 | 63\% |
| 2008 | 96.6 | 103 | 30\% | 52.6 | 58 | 64\% |
| 2009 | 96.3 | 103 | 29\% | 52.3 | 57 | 61\% |
| 2010 | 96.2 | 103 | 29\% | 52.0 | 57 | 58\% |
| 2011 | 96.5 | 103 | 31\% | 52.0 | 57 | 59\% |
| 2012 | 95.6 | 102 | 25\% | 51.3 | 56 | 53\% |
| 2013 | 95.7 | 102 | 25\% | 51.7 | 57 | 56\% |
| 2014 | 95.3 | 101 | 22\% | 51.1 | 56 | 52\% |
| 2015 | 95.7 | 101 | 23\% | 50.4 | 55 | 46\% |

* $85^{\text {th }}$ percentile speed means $15 \%$ of the vehicles surveyed were travelling faster than this speed.


## Percent of cars exceeding the speed limit



## Open road car speeds



## Urban car speeds



The following two charts show how the open road and urban speed distributions have changed over the last ten years.

## Open road car speed distribution



## Urban car speed distribution



## Regional results

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

Open road car speeds - Mean speeds (km/h)

| Region | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | $N^{\#}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northland | 96.0 | 95.0 | 96.3 | 95.8 | 96.0 | 95.5 | 93.6 | 94.5 | 94.7 | 92.1 | 994 |
| Auckland | 96.5 | 96.2 | 95.3 | 95.9 | 93.8 | 95.5 | 93.3 | 94.8 | 93.6 | 90.7 | 2,685 |
| Waikato | 96.6 | 95.2 | 94.6 | 94.6 | 94.8 | 93.7 | 93.0 | 93.8 | 93.7 | 93.9 | 1,828 |
| Bay of Plenty | 97.3 | 97.8 | 95.8 | 96.7 | 98.4 | 97.0 | 96.7 | 96.7 | 96.4 | 98.1 | 1,159 |
| Gisborne | 91.2 | 91.5 | 95.4 | 96.4 | 95.4 | 96.5 | 94.0 | 90.7 | 87.0 | 93.9 | 561 |
| Hawke's Bay | 96.1 | 96.3 | 99.8 | 99.3 | 100.3 | 99.9 | 93.8 | 95.2 | 94.3 | 94.1 | 1,033 |
| Taranaki | 94.2 | 94.4 | 94.3 | 93.0 | 92.9 | 96.3 | 97.2 | 93.9 | 93.3 | 93.3 | 693 |
| Manawatu- <br> Wanganui | 97.3 | 97.7 | 97.0 | 97.4 | 96.9 | 100.4 | 97.9 | 97.4 | 97.5 | 97.8 | 1,181 |
| Wellington | 92.1 | 93.2 | 94.0 | 95.6 | 94.4 | 94.7 | 95.2 | 96.0 | 96.3 | 95.4 | 878 |
| Nelson- <br> Marlborough | - | - | - | - | - | - | - | - | - | * note | 286 |
| West Coast | - | - | - | - | - | - | - | - | - | * note | 234 |
| Canterbury | 100.2 | 99.3 | 98.5 | 98.9 | 98.3 | 100.7 | 99.3 | 99.2 | 98.4 | 98.3 | 1,238 |
| Otago | 97.3 | 99.8 | 100.9 | 99.7 | 98.8 | 99.5 | 99.4 | 99.4 | 99.6 | 98.2 | 1,116 |
| Southland | *note | 99.4 | 100.1 | 99.9 | 99.3 | 93.4 | 98.3 | 98.2 | 95.2 | 96.2 | 746 |
| New Zealand | 96.4 | 96.3 | 96.6 | 96.3 | 96.2 | 96.5 | 95.6 | 95.7 | 95.3 | 95.7 | 14,632 |

\# $\mathrm{N}=$ number of cars surveyed in latest year

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

Open road car speeds $-85^{\text {th }}$ percentile speeds ( $\mathrm{km} / \mathrm{h}$ )
( $85^{\text {th }}$ percentile speed means $15 \%$ of the vehicles surveyed were travelling faster than this speed.)

| Region | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northland | 104 | 102 | 104 | 103 | 104 | 103 | 101 | 103 | 102 | 100 |
| Auckland | 109 | 109 | 108 | 110 | 107 | 108 | 106 | 107 | 106 | 103 |
| Waikato | 102 | 101 | 101 | 100 | 100 | 99 | 99 | 99 | 99 | 99 |
| Bay of Plenty | 107 | 107 | 105 | 106 | 106 | 106 | 107 | 106 | 106 | 108 |
| Gisborne | 101 | 101 | 106 | 107 | 106 | 106 | 106 | 100 | 100 | 103 |
| Hawke's Bay | 101 | 101 | 105 | 104 | 105 | 105 | 99 | 100 | 100 | 99 |
| Taranaki | 102 | 102 | 102 | 100 | 100 | 104 | 104 | 102 | 101 | 100 |
| Manawatu- <br> Wanganui | 104 | 103 | 103 | 103 | 103 | 106 | 104 | 104 | 103 | 103 |
| Wellington | 101 | 102 | 102 | 104 | 102 | 102 | 103 | 105 | 104 | 102 |
| NelsonMarlborough | - | - | - | - | - | - | - | - | - | * note |
| West Coast | - | - | - | - | - | - | - | - | - | * note |
| Canterbury | 105 | 104 | 103 | 103 | 102 | 104 | 103 | 103 | 102 | 102 |
| Otago | 104 | 105 | 105 | 104 | 103 | 104 | 104 | 105 | 105 | 104 |
| Southland | - | 105 | 106 | 105 | 105 | 99 | 104 | 103 | 100 | 101 |
| New Zealand | 103 | 103 | 103 | 103 | 103 | 103 | 102 | 102 | 101 | 101 |

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

Urban car speeds - Mean speeds (km/h)

| Region | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | $N^{\#}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northland | 53.0 | 53.0 | 52.4 | 51.8 | 51.7 | 51.5 | 51.8 | 52.6 | 51.9 | 50.4 | 1,264 |
| Auckland | 55.4 | 55.3 | 55.1 | 54.8 | 54.1 | 54.0 | 52.7 | 54.1 | 52.9 | 51.5 | 4,121 |
| Waikato | 53.9 | 52.2 | 52.5 | 51.5 | 52.3 | 51.8 | 51.9 | 51.5 | 50.3 | 50.5 | 1,005 |
| Bay of Plenty | 55.7 | 55.2 | 55.8 | 55.0 | 55.3 | 55.2 | 54.5 | 54.6 | 53.9 | 52.4 | 1,526 |
| Gisborne | 47.4 | 48.2 | 49.5 | 49.2 | 49.2 | 49.5 | 47.8 | 46.9 | 46.2 | 46.1 | 1,124 |
| Hawke's Bay | 52.3 | 51.7 | 52.2 | 52.7 | 51.4 | 52.1 | 52.1 | 50.6 | 50.0 | 50.1 | 1,198 |
| Taranaki | 48.4 | 48.9 | 48.2 | 48.7 | 48.8 | 49.4 | 48.5 | 48.4 | 48.4 | 48.4 | 1,418 |
| Manawatu- <br> Wanganui | 50.3 | 50.2 | 51.6 | 51.2 | 50.9 | 51.6 | 50.4 | 50.8 | 50.7 | 50.7 | 1,744 |
| Wellington | 49.1 | 49.4 | 49.7 | 49.3 | 49.1 | 49.1 | 49.3 | 49.0 | 48.5 | 48.0 | 1,058 |
| Nelson- <br> Marlborough | 49.0 | 49.0 | 50.4 | 48.9 | 49.0 | 49.0 | 49.1 | 48.8 | 47.8 | 47.4 | 1,624 |
| West Coast | - | - | - | - | - | - | - | - | - | *note | - |
| Canterbury | 52.5 | 52.5 | 52.1 | 52.5 | 52.3 | 51.4 | 50.4 | 51.3 | 50.9 | 50.3 | 970 |
| Otago | 53.1 | 52.4 | 51.4 | 51.4 | 51.0 | 50.9 | 50.9 | 50.6 | 51.3 | 50.8 | 1,409 |
| Southland | * note | 55.1 | 54.4 | 54.3 | 54.0 | 54.1 | 53.3 | 54.1 | 53.6 | 53.7 | 1,059 |
| New Zealand | 52.6 | 52.5 | 52.6 | 52.3 | 52.0 | 52.0 | 51.3 | 51.7 | 51.1 | 50.4 | 19,520 |

\# $\mathrm{N}=$ number of cars surveyed in latest year

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


## Urban car speeds $-85^{\text {th }}$ percentile speeds ( $\mathrm{km} / \mathrm{h}$ )

$\left(85^{\text {th }}\right.$ percentile speed means $15 \%$ of the vehicles surveyed were travelling faster than this speed.)

| Region | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ | $\mathbf{2 0 1 2}$ | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 4}$ | 2015 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northland | 57.5 | 58.0 | 57.0 | 56.0 | 56.0 | 56.0 | 56.0 | 57.0 | 56.0 | 54.0 |
| Auckland | 60.0 | 60.0 | 60.0 | 59.0 | 59.0 | 58.0 | 57.0 | 59.0 | 57.0 | 55.0 |
| Waikato | 59.5 | 58.0 | 58.0 | 57.0 | 57.0 | 57.0 | 56.0 | 57.0 | 55.0 | 55.0 |
| Bay of Plenty | 61.5 | 61.5 | 62.5 | 62.0 | 62.5 | 61.5 | 60.5 | 60.5 | 59.5 | 58.5 |
| Gisborne | 53.0 | 53.5 | 54.0 | 54.0 | 54.0 | 54.5 | 53.0 | 53.0 | 52.0 | 52.0 |
| Hawke's Bay | 57.0 | 57.0 | 57.0 | 57.0 | 56.0 | 56.0 | 57.0 | 55.0 | 55.0 | 55.0 |
| Taranaki | 54.0 | 54.0 | 53.0 | 54.0 | 54.0 | 55.0 | 54.0 | 54.0 | 53.0 | 54.0 |
| Manawatu- | 55.0 | 55.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 55.0 | 56.0 |
| Wanganui | 53.0 | 53.0 | 53.5 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 51.0 |
| Wellington |  |  |  |  |  |  |  |  |  |  |
| Nelson- | 53.5 | 53.5 | 54.5 | 53.5 | 53.0 | 53.5 | 53.0 | 53.5 | 52.5 | 51.5 |
| Marlborough |  |  |  |  |  |  |  |  |  | - |
| West Coast | - | - | - | - | - | - | - | - | - | $* n o t e$ |
| Canterbury | 58.0 | 59.0 | 58.0 | 58.0 | 59.0 | 59.0 | 58.0 | 59.0 | 58.0 | 58.0 |
| Otago | 57.0 | 57.0 | 56.5 | 56.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| Southland | *note | 60.5 | 59.5 | 58.5 | 58.5 | 58.5 | 57.5 | 58.5 | 58.5 | 57.5 |
| New Zealand | 58.0 | 58.0 | 58.0 | 57.0 | 57.0 | 57.0 | 56.0 | 57.0 | 56.0 | 55.0 |

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


## Heavy Vehicle Speeds

Prior to 3 May 2004 heavy vehicles towing trailers, other than articulated trailers, were subject to an 80 km/h open road speed limit. For other heavy vehicles the limit was 90km/h. From 3 May 2004 the open road speed limit for all heavy vehicles is $90 \mathrm{~km} / \mathrm{h}$.

## All Heavy vehicles

|  | Open Road HV Speeds |  |  |  | Urban HV Speeds |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Mean <br> speed <br> (km/h) | $\begin{gathered} 85^{\text {th }} \text { * } \\ \text { percentile } \\ (\mathrm{km} / \mathrm{h}) \end{gathered}$ | Percent travelling over 90 km/h | Number of Heavy Vehicles surveyed | Mean speed (km/h) | $\begin{aligned} & 85^{\text {th } *} \\ & \text { percentile } \\ & (\mathrm{km} / \mathrm{h}) \end{aligned}$ | Percent travelling over 50 km/h | Number of Heavy Vehicles surveyed |
| 1995 | 91.2 | 100 | 59\% | 2,484 | 53.5 | 60 | 71\% | 1,227 |
| 1996 | 91.4 | 100 | 59\% | 3,313 | 53.8 | 61 | 69\% | 1,875 |
| 1997 | 91.6 | 100 | 60\% | 3,414 | 54.5 | 61 | 74\% | 1,744 |
| 1998 | 92.1 | 101 | 62\% | 3,336 | 54.1 | 61 | 72\% | 1,736 |
| 1999 | 92.1 | 100 | 63\% | 2,946 | 53.4 | 60 | 67\% | 1,711 |
| 2000 | 91.5 | 100 | 60\% | 3,483 | 53.3 | 60 | 67\% | 1,890 |
| 2001 | 90.6 | 98 | 55\% | 3,279 | 53.4 | 60 | 70\% | 1,482 |
| 2002 | 89.5 | 97 | 49\% | 2,849 | 52.8 | 60 | 64\% | 1,312 |
| 2003 | 89.3 | 96 | 46\% | 3,084 | 52.1 | 59 | 62\% | 1,334 |
| 2004 | 88.9 | 96 | 46\% | 3,032 | 51.5 | 57 | 59\% | 1,251 |
| 2005 | 88.9 | 95 | 46\% | 2,951 | 51.0 | 57 | 53\% | 1,139 |
| 2006 | 89.3 | 95 | 44\% | 2,560 | 51.0 | 57 | 51\% | 960 |
| 2007 | 88.6 | 94 | 40\% | 2,676 | 50.5 | 56 | 49\% | 1,028 |
| 2008 | 89.2 | 95 | 46\% | 2,939 | 50.9 | 56 | 55\% | 903 |
| 2009 | 88.9 | 95 | 43\% | 2,888 | 50.1 | 55 | 48\% | 944 |
| 2010 | 89.2 | 95 | 45\% | 2,962 | 49.7 | 55 | 44\% | 978 |
| 2011 | 88.9 | 95 | 44\% | 2,914 | 50.1 | 56 | 47\% | 911 |
| 2012 | 88.6 | 94 | 39\% | 2,468 | 48.7 | 54 | 34\% | 920 |
| 2013 | 88.0 | 93 | 32\% | 2,573 | 49.1 | 54 | 39\% | 896 |
| 2014 | 87.7 | 93 | 31\% | 2,959 | 48.0 | 53 | 30\% | 812 |
| 2015 | 87.9 | 93 | 31\% | 3,117 | 46.8 | 52 | 23\% | 953 |

* $85^{\text {th }}$ percentile speed means $15 \%$ of the vehicles surveyed were travelling faster than this speed.

Heavy vehicles with no trailer (Rigid trucks and Buses)

|  | Open Road HV Speeds HV - no trailer |  |  |  | Urban HV Speeds HV - no trailer |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Mean speed (km/h) | $\begin{aligned} & \text { 85th * } \\ & \text { percentile } \\ & \text { (km/h) } \end{aligned}$ | Percent travelling over 90 km/h | Number of Heavy Vehicles surveyed | Mean speed (km/h) | $\begin{aligned} & \text { 85th * } \\ & \text { percentile } \\ & (\mathrm{km} / \mathrm{h}) \end{aligned}$ | Percent travelling over 50 km/h | Number of Heavy Vehicles surveyed |
| 1995 | 91.0 | 100 | 57\% | 1,292 | 53.9 | 60 | 73\% | 1,066 |
| 1996 | 91.2 | 101 | 59\% | 1,741 | 53.8 | 60 | 69\% | 1,590 |
| 1997 | 91.3 | 100 | 57\% | 1,876 | 54.6 | 61 | 75\% | 1,542 |
| 1998 | 91.6 | 101 | 59\% | 1,837 | 54.1 | 61 | 72\% | 1,509 |
| 1999 | 91.9 | 101 | 60\% | 1,631 | 53.5 | 60 | 68\% | 1,503 |
| 2000 | 91.5 | 100 | 60\% | 1,832 | 53.2 | 60 | 68\% | 1,636 |
| 2001 | 90.8 | 99 | 57\% | 1,670 | 53.5 | 60 | 70\% | 1,283 |
| 2002 | 90.1 | 98 | 54\% | 1,409 | 53.0 | 59 | 64\% | 1,136 |
| 2003 | 89.6 | 97 | 49\% | 1,508 | 52.1 | 58 | 63\% | 1,142 |
| 2004 | 88.6 | 96 | 44\% | 1,440 | 51.6 | 57 | 59\% | 1,070 |
| 2005 | 89.0 | 96 | 45\% | 1,416 | 51.0 | 57 | 53\% | 1,019 |
| 2006 | 89.0 | 96 | 42\% | 1,177 | 51.0 | 57 | 51\% | 830 |
| 2007 | 88.1 | 94 | 37\% | 1,232 | 50.5 | 56 | 49\% | 853 |
| 2008 | 88.4 | 95 | 40\% | 1,295 | 50.9 | 56 | 55\% | 788 |
| 2009 | 88.5 | 95 | 41\% | 1,318 | 50.1 | 55 | 48\% | 793 |
| 2010 | 88.5 | 95 | 39\% | 1,273 | 49.8 | 55 | 44\% | 844 |
| 2011 | 88.4 | 95 | 43\% | 1,310 | 50.0 | 55 | 45\% | 810 |
| 2012 | 88.1 | 94 | 37\% | 1,030 | 48.8 | 54 | 35\% | 783 |
| 2013 | 87.3 | 94 | 32\% | 1,050 | 49.1 | 54 | 38\% | 740 |
| 2014 | 86.7 | 93 | 28\% | 1,128 | 48.0 | 53 | 30\% | 671 |
| 2015 | 87.4 | 93 | 31\% | 1,232 | 46.9 | 52 | 23\% | 810 |

[^0]
## Articulated heavy vehicles (Semi-trailers and B-Trains)

|  | Open Road HV Speeds HV - articulated |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Year | Mean speed (km/h) | $\begin{aligned} & \text { 85th * } \\ & \text { percentile } \\ & (\mathrm{km} / \mathrm{h}) \end{aligned}$ | Percent travelling over 90 km/h | Number of Heavy Vehicles surveyed |
| 1995 | 94.0 | 101 | 74\% | 551 |
| 1996 | 92.7 | 100 | 63\% | 681 |
| 1997 | 94.1 | 100 | 73\% | 640 |
| 1998 | 94.0 | 101 | 71\% | 606 |
| 1999 | 94.1 | 101 | 77\% | 496 |
| 2000 | 93.7 | 100 | 75\% | 592 |
| 2001 | 92.9 | 98 | 70\% | 566 |
| 2002 | 91.4 | 98 | 59\% | 489 |
| 2003 | 91.9 | 98 | 66\% | 510 |
| 2004 | 91.0 | 96 | 58\% | 537 |
| 2005 | 89.9 | 95 | 53\% | 479 |
| 2006 | 89.9 | 95 | 49\% | 470 |
| 2007 | 89.9 | 95 | 48\% | 528 |
| 2008 | 90.3 | 94 | 54\% | 602 |
| 2009 | 89.9 | 94 | 47\% | 515 |
| 2010 | 89.9 | 94 | 48\% | 542 |
| 2011 | 90.1 | 95 | 47\% | 524 |
| 2012 | 89.1 | 94 | 40\% | 430 |
| 2013 | 88.3 | 93 | 33\% | 482 |
| 2014 | 88.7 | 93 | 36\% | 578 |
| 2015 | 88.8 | 93 | 33\% | 579 |

In the latest year only 53 articulated rigs were surveyed in urban areas.

* $85^{\text {th }}$ percentile speed means $15 \%$ of the vehicles surveyed were travelling faster than this speed.

Heavy vehicles towing trailers, other than articulated (Truck and trailer, A-Trains)

|  | Open Road HV Speeds <br> HV - towing trailers other than articulated |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Year | Mean speed (km/h) | $\begin{aligned} & \text { 85th * } \\ & \text { percentile } \\ & (\mathrm{km} / \mathrm{h}) \end{aligned}$ | Percent travelling over 90 km/h | Number of Heavy Vehicles surveyed |
| 1995 | 89.9 | 99 | 53\% | 641 |
| 1996 | 91.0 | 100 | 57\% | 891 |
| 1997 | 91.1 | 99 | 60\% | 898 |
| 1998 | 91.9 | 99 | 62\% | 893 |
| 1999 | 91.6 | 99 | 62\% | 819 |
| 2000 | 90.4 | 98 | 53\% | 1,059 |
| 2001 | 89.0 | 96 | 43\% | 1,043 |
| 2002 | 88.2 | 94 | 36\% | 951 |
| 2003 | 87.7 | 94 | 32\% | 1,066 |
| 2004 | 88.4 | 94 | 40\% | 1,055 |
| 2005 | 88.5 | 94 | 43\% | 1,056 |
| 2006 | 89.3 | 94 | 42\% | 913 |
| 2007 | 88.7 | 94 | 41\% | 916 |
| 2008 | 89.7 | 95 | 48\% | 1,042 |
| 2009 | 89.0 | 95 | 44\% | 1,055 |
| 2010 | 89.7 | 95 | 48\% | 1,147 |
| 2011 | 89.2 | 94 | 44\% | 1,080 |
| 2012 | 88.9 | 94 | 41\% | 1,008 |
| 2013 | 88.3 | 93 | 32\% | 1,041 |
| 2014 | 88.1 | 93 | 31\% | 1,253 |
| 2015 | 88.1 | 93 | 31\% | 1,306 |

In the latest year only 90 truck and trailer rigs were surveyed in urban areas.

* $85^{\text {th }}$ percentile speed means $15 \%$ of the vehicles surveyed were travelling faster than this speed.


[^0]:    * $85^{\text {th }}$ percentile speed means $15 \%$ of the vehicles surveyed were travelling faster than this speed.

