Australian Government
Department of Infrastructure, Transport, Regional Development and Local Government

# Road Deaths Australia

## Monthly Bulletin

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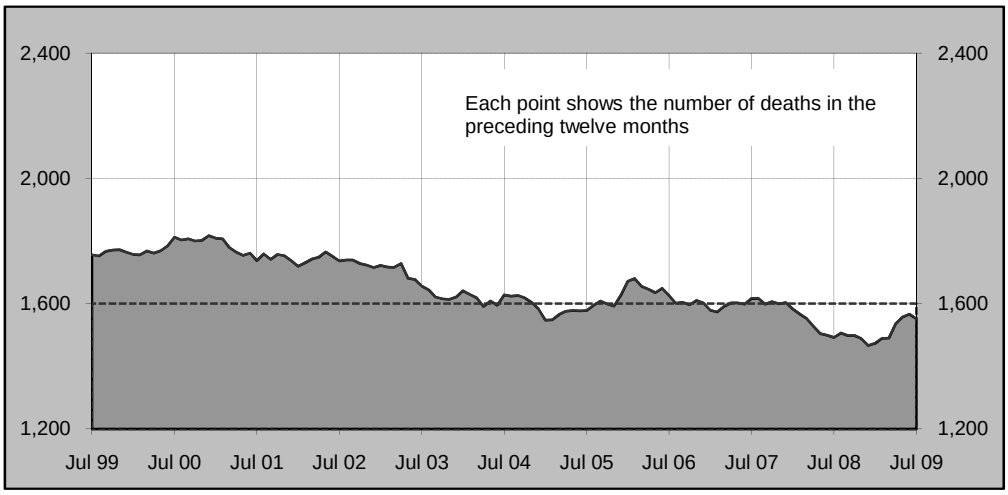
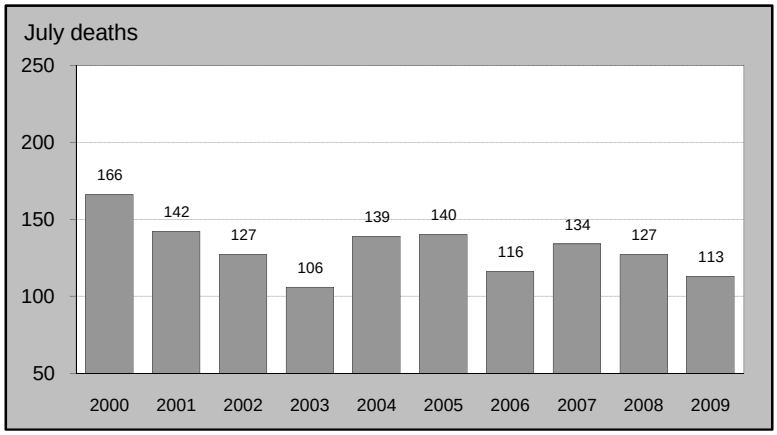
July 2009

### Australian road deaths for 12 months to date — last 10 years




### Australian road deaths for July — last 10 years

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**Data Sources**
The data presented here are obtained from the following sources:

- Roads and Traffic Authority, NSW
- Vicroads
- Queensland Transport
- Department for Transport, Energy and Infrastructure, South Australia
- Western Australia Police
- Department of Infrastructure, Energy and Resources, Tasmania
- Department of Planning and Infrastructure, Northern Territory
- Territory and Municipal Services, ACT

- Road deaths from recent months are preliminary and subject to revision.

## This month's key figures

There was a total of 113 road deaths in July 2009.
- this is a 11.0 per cent decrease from the July 2008 figure.

There have been 912 road deaths in 2009 to the end of July.
- this is a 10.4 per cent increase over the same 7 month period in 2008.


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# NUMBER OF ROAD CRASH DEATHS IN EACH STATE / TERRITORY

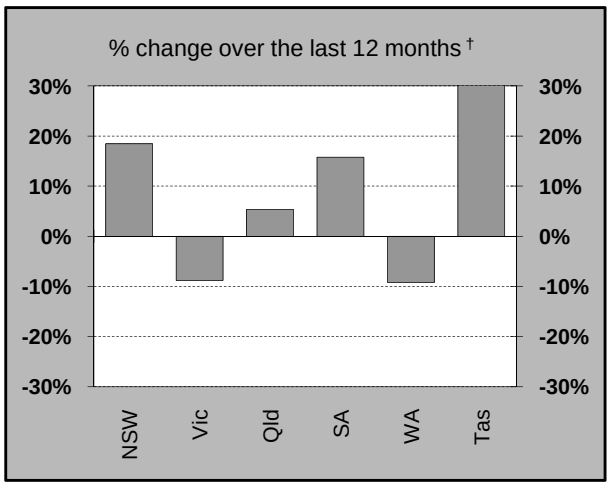
**Road deaths by State/Territory**

**for current month, year to date, 12 months ended July, and five year trend**

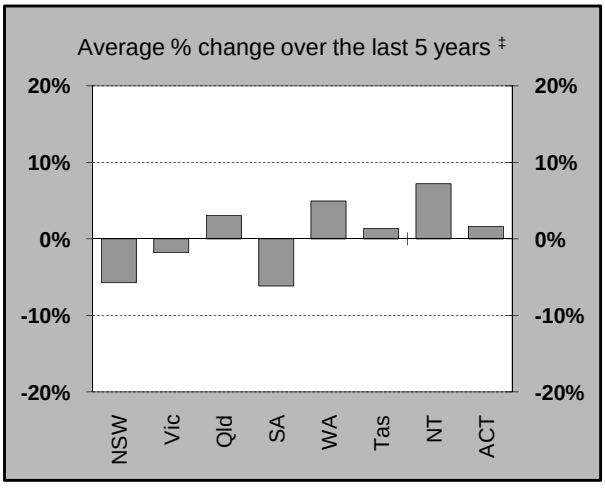
| | *NSW* | *Vic* | *Qld* | *SA* | *WA* | *Tas* | *NT* | *ACT* | ***Australia*** |
|---|---|---|---|---|---|---|---|---|---|
| ***Current month*** | | | | | | | | | |
| *Jul 2009* | 30 | 21 | 32 | 5 | 7 | 14 | 3 | 1 | 113 |
| *Jul 2008* | 35 | 27 | 32 | 8 | 15 | 2 | 7 | 1 | 127 |
| *% change* | **-14.3** | **-22.2** | **0.0** | **-37.5** | **-53.3** | **600.0** | **-57.1** | **0.0** | **-11.0** |
| ***Year to date*** | | | | | | | | | |
| *Jan 2009 - Jul 2009* | 263 | 179 | 214 | 75 | 106 | 51 | 16 | 8 | 912 |
| *Jan 2008 - Jul 2008* | 211 | 182 | 190 | 49 | 117 | 29 | 39 | 9 | 826 |
| *% change* | **24.6** | **-1.6** | **12.6** | **53.1** | **-9.4** | **75.9** | **-59.0** | **-11.1** | **10.4** |
| ***12-months to date*** | | | | | | | | | |
| *Aug 2008 - Jul 2009* | 450 | 300 | 352 | 125 | 198 | 62 | 52 | 13 | 1,552 |
| *Aug 2007 - Jul 2008* | 380 | 329 | 334 | 108 | 218 | 39 | 70 | 14 | 1,492 |
| *Difference* | 70 | -29 | 18 | 17 | -20 | 23 | -18 | -1 | 60 |
| *% change* | **18.4** | **-8.8** | **5.4** | **15.7** | **-9.2** | **59.0** | **-25.7** | **-7.1** | **4.0** |
| ***Average annual % change over 5 years*** [a] | | | | | | | | | |
| *YE July 2004 to YE July 2009* | **-5.7** | **-1.8** | **3.0** | **-6.2** | **4.9** | **1.3** | **7.2** | **1.6** | **-1.2** |

*a Average annual percentage change based on the exponential trend for the last five 12-month periods*

**Percentage change in deaths in each State**




† Percentage change between the two 12-month periods ending July 2009 and July 2008.
NT and ACT not shown.




‡ Average annual percentage change based on the exponential trend from the year ending July 2004 to year ending July 2009.

# NUMBER OF DEATHS IN EACH ROAD USER GROUP

**Road deaths by road user group and gender**

**for 12 months ended July 2009, July 2008 and five year trend**

| | *Drivers* | *Passengers* | *Pedestrians* | *Motor-cyclists* [a] | *Cyclists* | ***All road users*** [b] |
|---|---|---|---|---|---|---|
| ***Males*** | | | | | | |
| *Aug 2008 - Jul 2009* | 522 | 185 | 154 | 232 | 32 | 1,126 |
| *Aug 2007 - Jul 2008* | 572 | 170 | 124 | 218 | 23 | 1,108 |
| *% change* | **-8.7** | **8.8** | **24.2** | **6.4** | **39.1** | **1.6** |
| ***Females*** | | | | | | |
| *Aug 2008 - Jul 2009* | 190 | 149 | 62 | 14 | 6 | 421 |
| *Aug 2007 - Jul 2008* | 161 | 140 | 58 | 21 | 2 | 382 |
| *% change* | **18.0** | **6.4** | **6.9** | **-33.3** | **200.0** | **10.2** |
| ***Persons*** [c] | | | | | | |
| *Aug 2008 - Jul 2009* | 714 | 337 | 216 | 246 | 38 | 1,552 |
| *Aug 2007 - Jul 2008* | 734 | 311 | 182 | 239 | 25 | 1,492 |
| *% change* | **-2.7** | **8.4** | **18.7** | **2.9** | **52.0** | **4.0** |
| ***Average annual % change over 5 years*** [d] | | | | | | |
| *YE July 2004 to YE July 2009* | **-1.0** | **-3.3** | **-3.1** | **4.7** | **-3.7** | **-1.2** |

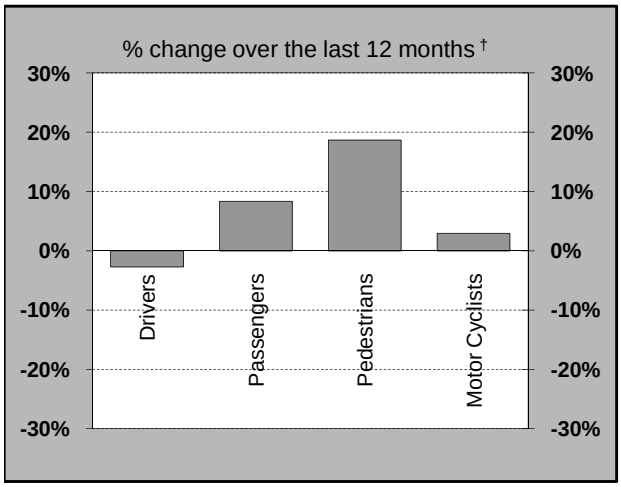
*a Includes pillion passengers*

*b Includes road users not separately specified*

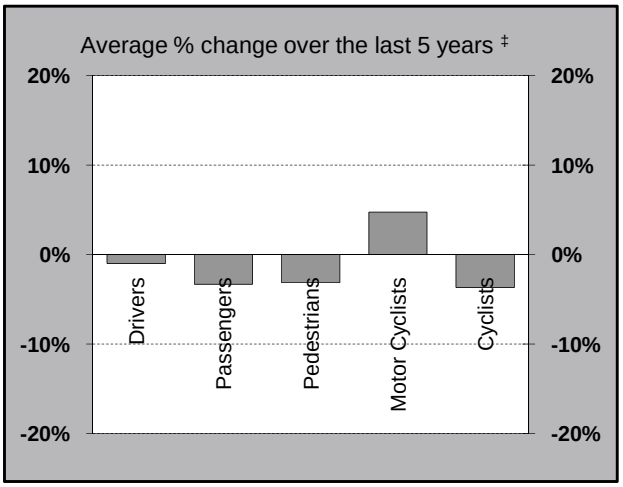
*c Includes road users with unstated gender*

*d Average annual percentage change based on the exponential trend for the last five 12-month periods*

**Percentage change in deaths in each road user group**




† Percentage change between the two 12-month periods ending July 2009 and July 2008.
Cyclists not shown.

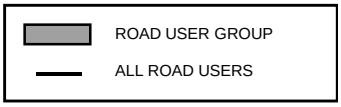


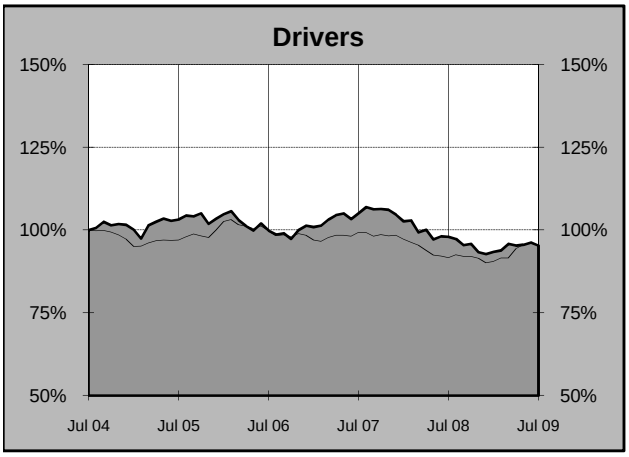

‡ Average annual percentage change based on the exponential trend from the year ending July 2004 to year ending July 2009.

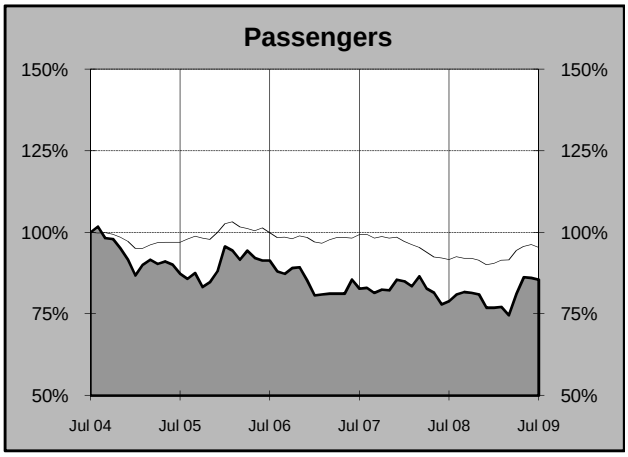
# DEATHS IN EACH ROAD USER GROUP - TRENDS

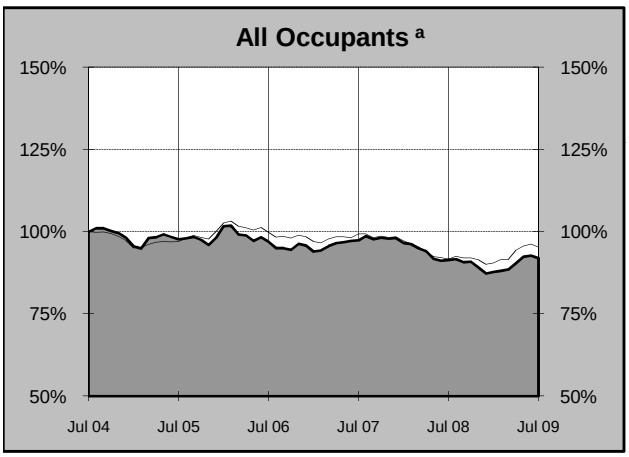
## Annual deaths in each road user group - last 5 years

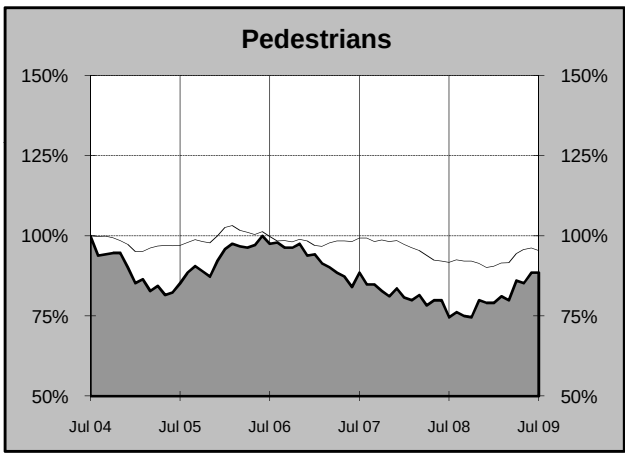
The number shown at each month represents the number of deaths in the preceding 12 months expressed as a percentage of the number of deaths in the 12 months to July 2004.

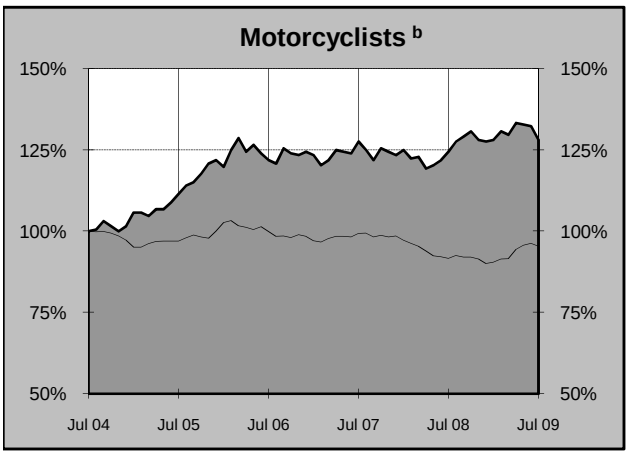


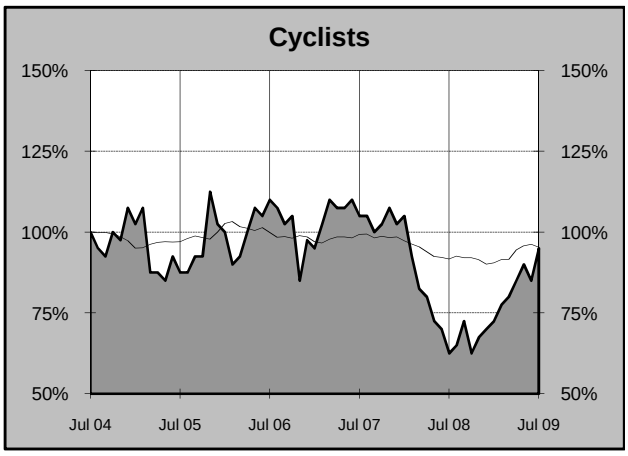




*a Comprises drivers and passengers*

*b Includes pillion passengers*

# NUMBER OF FATAL ROAD CRASHES IN EACH STATE / TERRITORY

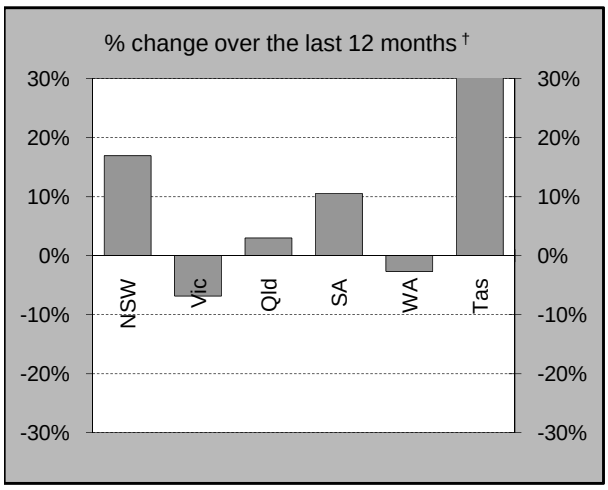
**Fatal crashes by State/Territory**

**for current month, year to date, 12 months ended July, and five year trend.**

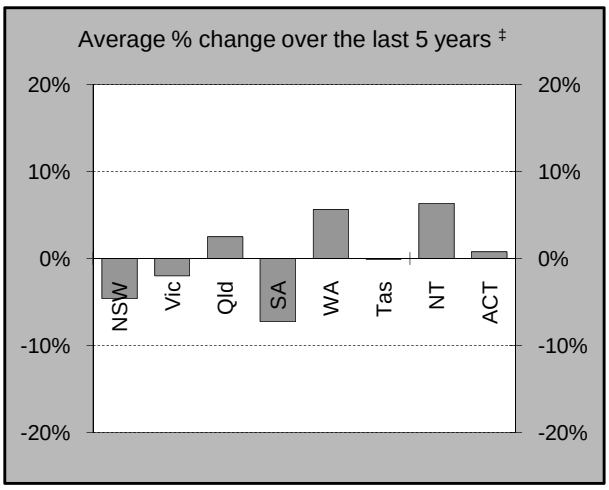
| | *NSW* | *Vic* | *Qld* | *SA* | *WA* | *Tas* | *NT* | *ACT* | ***Australia*** |
|---|---|---|---|---|---|---|---|---|---|
| ***Current month*** | | | | | | | | | |
| *Jul 2009* | 28 | 21 | 29 | 5 | 7 | 7 | 3 | 1 | 101 |
| *Jul 2008* | 33 | 25 | 27 | 7 | 15 | 2 | 7 | 1 | 117 |
| *% change* | **-15.2** | **-16.0** | **7.4** | **-28.6** | **-53.3** | **250.0** | **-57.1** | **0.0** | **-13.7** |
| ***Year to date*** | | | | | | | | | |
| *Jan 2009 - Jul 2009* | 245 | 159 | 185 | 63 | 99 | 40 | 16 | 7 | 814 |
| *Jan 2008 - Jul 2008* | 201 | 165 | 166 | 45 | 103 | 28 | 38 | 9 | 755 |
| *% change* | **21.9** | **-3.6** | **11.4** | **40.0** | **-3.9** | **42.9** | **-57.9** | **-22.2** | **7.8** |
| ***12 months to date*** | | | | | | | | | |
| *Aug 2008 - Jul 2009* | 421 | 272 | 313 | 105 | 185 | 50 | 45 | 12 | 1,403 |
| *Aug 2007 - Jul 2008* | 360 | 292 | 304 | 95 | 190 | 38 | 61 | 14 | 1,354 |
| *% change* | **16.9** | **-6.8** | **3.0** | **10.5** | **-2.6** | **31.6** | **-26.2** | **-14.3** | **3.6** |
| ***Average annual % change over 5 years*** [a] | | | | | | | | | |
| *YE July 2004 to YE July 2009* | **-4.6** | **-2.0** | **2.5** | **-7.2** | **5.6** | **-0.1** | **6.3** | **0.8** | **-1.1** |

*a Average annual percentage change based on the exponential trend for the last five 12-month periods*

**Percentage change in fatal crashes in each State**




† Percentage change between the two 12-month periods ending July 2009 and July 2008.
NT and ACT not shown.



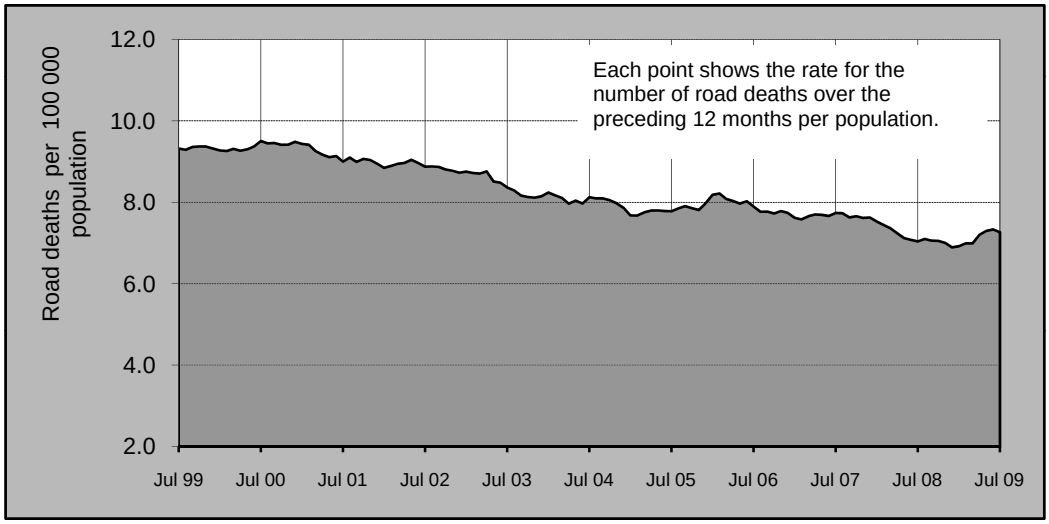

‡ Average annual percentage change based on the exponential trend from the year ending July 2004 to year ending July 2009.

## ROAD DEATH RATES

**Road deaths per 100,000 population**

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | **Australia** |
|---|---|---|---|---|---|---|---|---|---|
| ***12-months to date*** | | | | | | | | | |
| *Aug 2008 - Jul 2009* | 6.4 | 5.6 | 8.2 | 7.8 | 9.1 | 12.4 | 23.6 | 3.8 | 7.2 |
| *Aug 2007 - Jul 2008* | 5.5 | 6.3 | 7.9 | 6.8 | 10.2 | 7.9 | 32.1 | 4.1 | 7.0 |
| ***Calendar year*** | | | | | | | | | |
| *2008* | 5.7 | 5.7 | 7.7 | 6.2 | 9.7 | 8.0 | 34.1 | 4.1 | 6.9 |
| *2003* | 8.1 | 6.7 | 8.1 | 10.3 | 9.2 | 8.6 | 26.5 | 3.4 | 8.1 |

**Australian road deaths per year per 100 000 population - moving 12-monthly data**




## CHARACTERISTICS OF FATAL CRASHES

**Proportion (per cent) of fatal crashes by speed limit, crash type, time of day, and time of week. Two years ended July 2009 and two years ended July 2004**

| | ***Speed limit (km/h)*** [a] | | | ***Time of Day*** | |
|---|---|---|---|---|---|
| | *Up to 60* | *65-95* | *100+* | *Day* | *Night* [b] |
| *Aug 2007 - Jul 2009* | 31.7% | 23.9% | 44.4% | 56.6% | 43.4% |
| *Aug 2002 - Jul 2004* | 31.4% | 22.3% | 46.3% | 56.1% | 43.9% |

| | ***Crash Type*** | | | ***Time of week*** | |
|---|---|---|---|---|---|
| | *Pedestrian crash* | *Other single veh. Crash* | *Other multiple veh. crash* | *Week day* | *Week-end* [c] |
| *Aug 2007 - Jul 2009* | 14.3% | 47.9% | 37.7% | 60.6% | 39.4% |
| *Aug 2002 - Jul 2004* | 15.3% | 44.8% | 39.9% | 59.6% | 40.4% |

*a Excludes ACT*
*b 6:00 pm to 5:59 am*
*c 6:00 pm Friday to 5:59 am Monday*

# ROAD DEATHS BY AGE, GENDER AND ROAD USER GROUP

**Road deaths by age and gender**

**for 12 months ended July 2009 and July 2008**

| | *0-16 years* | *17-20 years* | *21-25 years* | *26-39 years* | *40-59 years* | *60+ years* | ***All deaths*** [a] |
|---|---|---|---|---|---|---|---|
| ***Males*** | | | | | | | |
| *Aug 2008 - Jul 2009* | 60 | 138 | 156 | 295 | 283 | 190 | 1,126 |
| *Aug 2007 - Jul 2008* | 53 | 155 | 159 | 291 | 272 | 176 | 1,108 |
| *% change* | **13.2** | **-11.0** | **-1.9** | **1.4** | **4.0** | **8.0** | **1.6** |
| ***Females*** | | | | | | | |
| *Aug 2008 - Jul 2009* | 41 | 66 | 36 | 73 | 102 | 103 | 421 |
| *Aug 2007 - Jul 2008* | 31 | 39 | 34 | 66 | 105 | 105 | 382 |
| *% change* | **32.3** | **69.2** | **5.9** | **10.6** | **-2.9** | **-1.9** | **10.2** |
| ***Persons*** [b] | | | | | | | |
| *Aug 2008 - Jul 2009* | 106 | 204 | 192 | 368 | 385 | 293 | 1,552 |
| *Aug 2007 - Jul 2008* | 85 | 194 | 193 | 357 | 377 | 281 | 1,492 |
| *% change* | **24.7** | **5.2** | **-0.5** | **3.1** | **2.1** | **4.3** | **4.0** |

*a Includes road users with unstated age*

*b Includes road users with unstated gender*

**Road deaths by age for each main road user group**

| | *0-16 years* | *17-20 years* | *21-25 years* | *26-39 years* | *40-59 years* | *60+ years* | ***All deaths*** [a] |
|---|---|---|---|---|---|---|---|
| ***Occupants*** [b] | | | | | | | |
| *Aug 2008 - Jul 2009* | 80 | 164 | 142 | 224 | 239 | 199 | 1,051 |
| *Aug 2007 - Jul 2008* | 63 | 157 | 138 | 228 | 254 | 201 | 1,045 |
| *% change* | 27.0 | 4.5 | 2.9 | -1.8 | -5.9 | -1.0 | 0.6 |
| ***Motorcyclists*** [c] | | | | | | | |
| *Aug 2008 - Jul 2009* | 3 | 18 | 33 | 93 | 82 | 17 | 246 |
| *Aug 2007 - Jul 2008* | 3 | 24 | 37 | 86 | 74 | 15 | 239 |
| *% change* | 0.0 | -25.0 | -10.8 | 8.1 | 10.8 | 13.3 | 2.9 |
| ***Pedestrians*** | | | | | | | |
| *Aug 2008 - Jul 2009* | 19 | 21 | 14 | 41 | 53 | 67 | 216 |
| *Aug 2007 - Jul 2008* | 15 | 11 | 17 | 39 | 38 | 61 | 182 |
| *% change* | 26.7 | 90.9 | -17.6 | 5.1 | 39.5 | 9.8 | 18.7 |

*a Includes road users with unstated age*

*b Comprises drivers and passengers*

*c Includes pillion passengers*

# Appendix

## 1. Definition

The road safety agencies in each jurisdiction use detailed criteria to define road crashes and road deaths. Briefly, a death is classified as resulting from a road crash if the crash occurred on a public road, is unintentional and the death occurred within 30 days from injuries sustained in the crash.

Road deaths from recent months are preliminary and subject to revision.

## 2. Other sources for the tables in this bulletin

The underlying database used to produce this bulletin is available for online querying and data extraction at
http://www.infrastructure.gov.au/roads/safety/road_fatality_statistics/fatal_road_crash_database.aspx

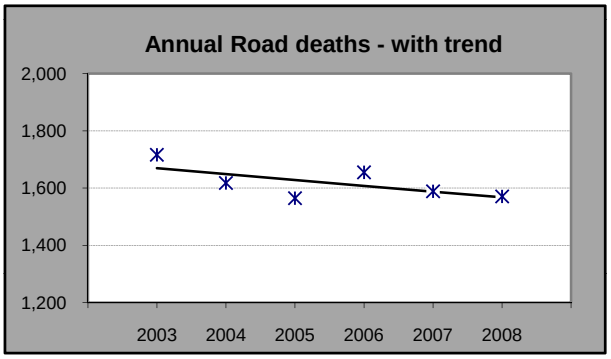
## 3. Estimation of five year trends

In this bulletin, the figures for the 'Average annual per cent change over 5 years' are calculated by fitting an exponential trend line to the last six data points (years 0 to 5).

The Excel function —`logest`— performs the fit. The resulting trend line represents a constant annual percent change over the period. An example is given below :

Example : Average Annual Change in Road Deaths

| | Road deaths - year ended March | | |
|---|---|---|---|
| | A | B | % Change |
| 0 | 2003 | 1,716 | |
| 1 | 2004 | 1,618 | -5.7% |
| 2 | 2005 | 1,565 | -3.3% |
| 3 | 2006 | 1,655 | 5.8% |
| 4 | 2007 | 1,589 | -4.0% |
| 5 | 2008 | 1,571 | -1.1% |
| | | Average = | -1.2% |




Average annual growth = `Index(Logest (B1:B6,A1:A6),1) - 1 = -1.2%`