ISSN 1449–1168

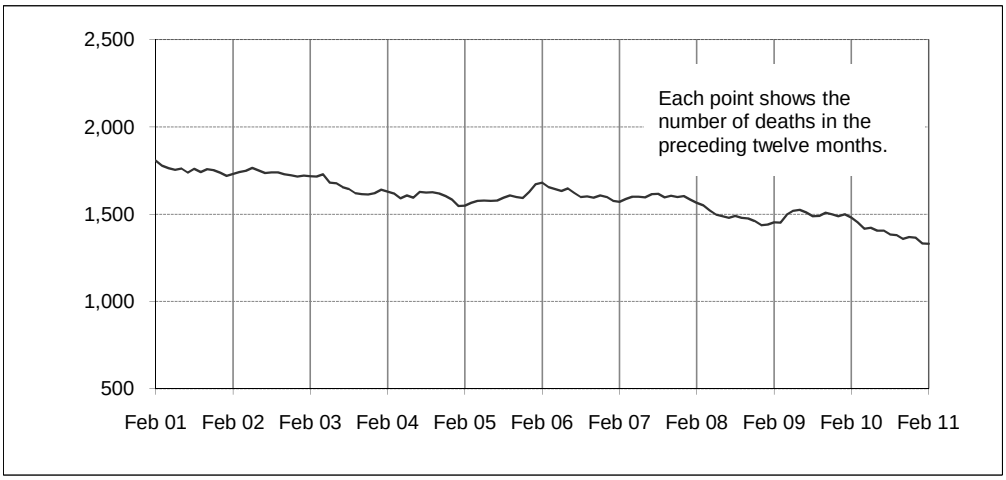
Australian Government
Department of Infrastructure and Transport
Bureau of Infrastructure, Transport and Regional Economics

bitre

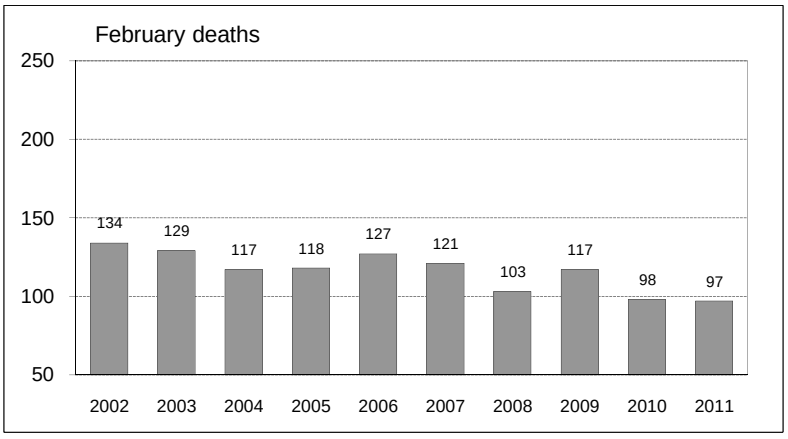
Road deaths Australia

February 2011

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



Australian road deaths for February — last 10 years



Inquiries
For further information about data in this bulletin, contact:

Infrastructure, Surface Transport & Road Safety Statistics
Bureau of Infrastructure, Transport and Regional Economics
Department of Infrastructure and Transport,
GPO Box 594,
Canberra, ACT 2601
Email: roadsafety@infrastructure.gov.au
Internet: www.infrastructure.gov.au

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 Lands and Planning, 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 97 road deaths in February 2011.
- this is a 1.0 per cent decrease from the February 2010 figure.

There have been 189 road deaths in 2011 to the end of February.
- this is a 15.6 per cent decrease from the same 2 month period in 2010.

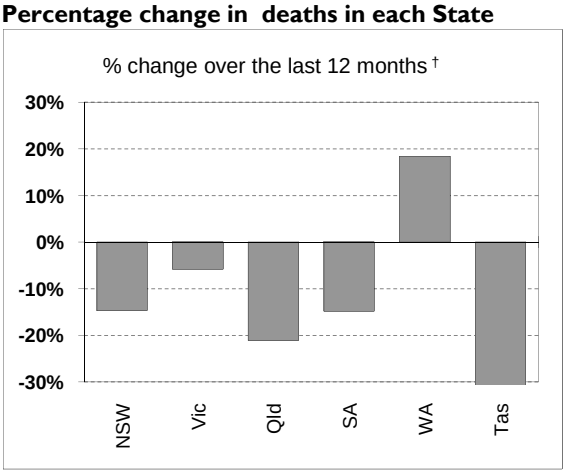
NUMBER OF ROAD CRASH DEATHS IN EACH STATE / TERRITORY

Road deaths by State/Territory
for current month, year to date, 12 months ended February, and five year trend

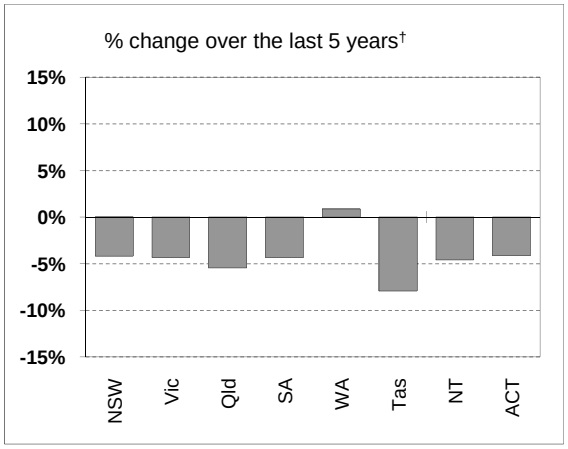
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Feb 2011	28	20	16	9	19	3	2	0	97
Feb 2010	34	25	20	9	5	2	1	2	98
% change	**-17.6**	**-20.0**	**-20.0**	**0.0**	**280.0**	**50.0**	**100.0**	**-100.0**	**-1.0**
Year to date									
Jan 2011 - Feb 2011	58	38	33	21	29	6	2	2	189
Jan 2010 - Feb 2010	77	51	35	30	16	6	6	3	224
% change	**-24.7**	**-25.5**	**-5.7**	**-30.0**	**81.3**	**0.0**	**-66.7**	**-33.3**	**-15.6**
12-months to date									
Mar 2010 - Feb 2011	401	275	247	109	206	31	45	17	1,331
Mar 2009 - Feb 2010	470	292	313	128	174	54	35	15	1,481
Difference	-69	-17	-66	-19	32	-23	10	2	-150
% change	**-14.7**	**-5.8**	**-21.1**	**-14.8**	**18.4**	**-42.6**	**28.6**	**13.3**	**-10.1**
Average annual % change over 5 years [a]									
YE February 2006 to YE February 2011	**-4.2**	**-4.3**	**-5.5**	**-4.4**	**0.9**	**-7.9**	**-4.6**	**-4.1**	**-4.0**

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 February 2011 and February 2010.
NT and ACT not shown.



‡ Average annual percentage change based on the exponential trend from the year ending February 2006 to year ending February 2011.

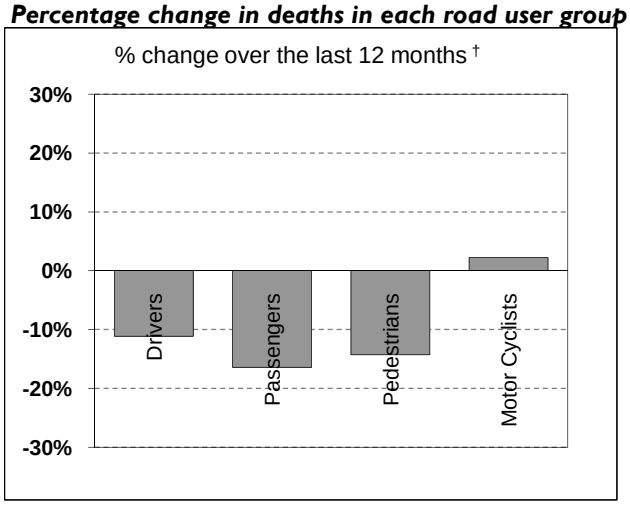
NUMBER OF DEATHS IN EACH ROAD USER GROUP

Road deaths by road user group and gender
for 12 months ended February 2011, February 2010 and five year trend

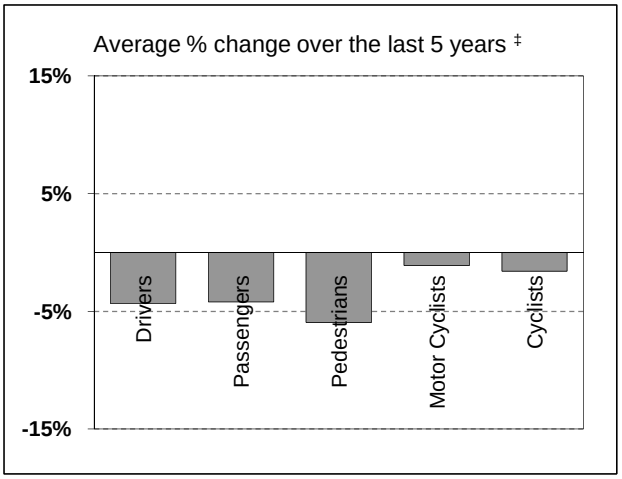
	Drivers	*Passengers*	*Pedestrians*	*Motor-cyclists* [a]	*Cyclists*	***All road users*** [b]
Males						
Mar 2010 - Feb 2011	464	140	116	207	35	962
Mar 2009 - Feb 2010	521	185	139	209	27	1,081
% change	**-10.9**	**-24.3**	**-16.5**	**-1.0**	**29.6**	**-11.0**
Females						
Mar 2010 - Feb 2011	160	134	52	18	3	368
Mar 2009 - Feb 2010	181	141	57	11	6	397
% change	**-11.6**	**-5.0**	**-8.8**	**63.6**	**-50.0**	**-7.3**
Persons [c]						
Mar 2010 - Feb 2011	624	275	168	225	38	1,331
Mar 2009 - Feb 2010	702	329	196	220	33	1,481
% change	**-11.1**	**-16.4**	**-14.3**	**2.3**	**15.2**	**-10.1**
Average annual % change over 5 years [d]						
YE February 2006 to YE February 2011	**-4.3**	**-4.2**	**-5.9**	**-1.1**	**-1.6**	**-4.0**

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 February 2011 and February 2010. Cyclists not shown.

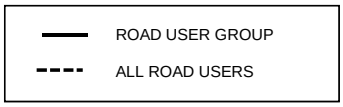


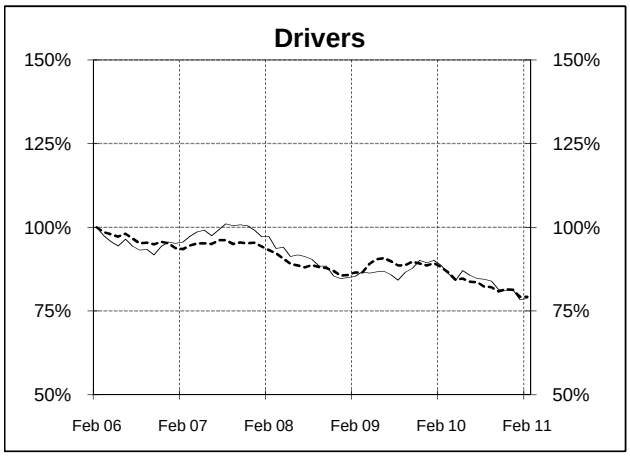
‡ Average annual percentage change based on the exponential trend from the year ending February 2006 to year ending February 2011.

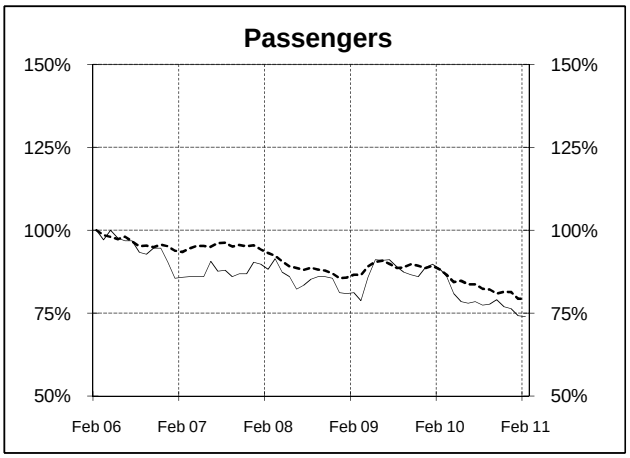
DEATHS IN EACH ROAD USER GROUP - TRENDS

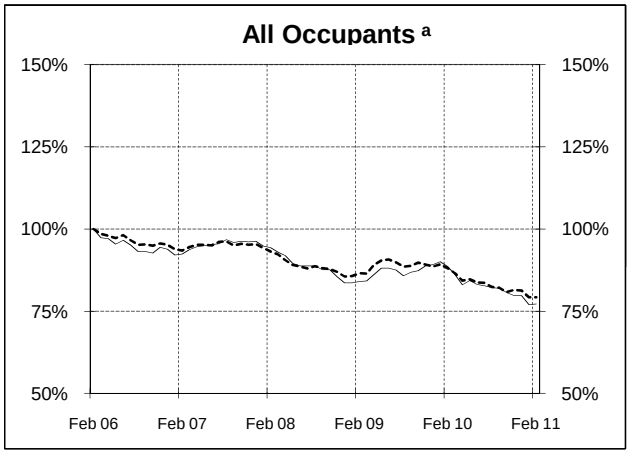
Annual deaths in each road user group - last 5 years

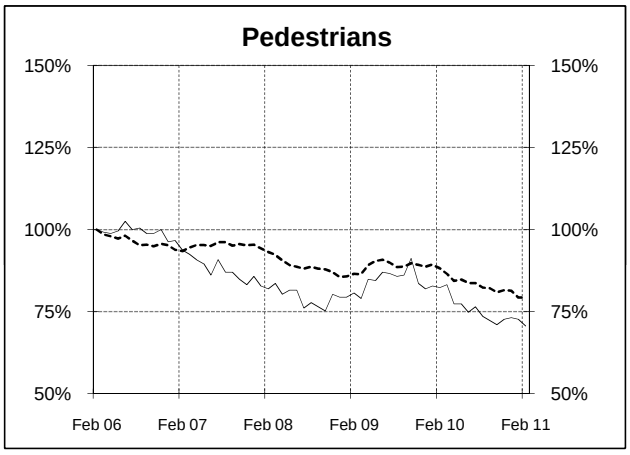
The number shown at each month represents the number of deaths in the preceding 12 months expressed as a percentage of the number of deaths in the 12 months to February 2006.

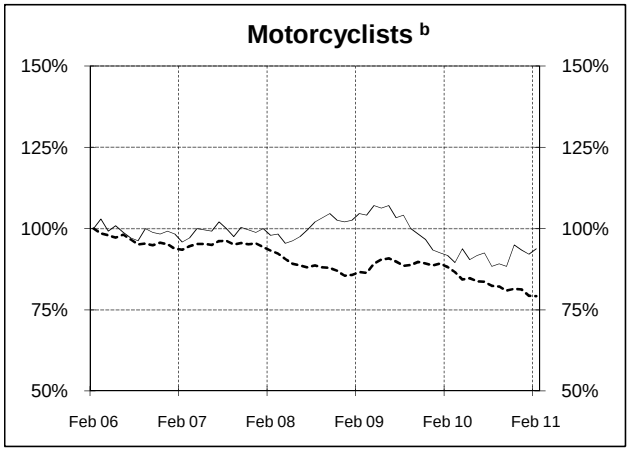


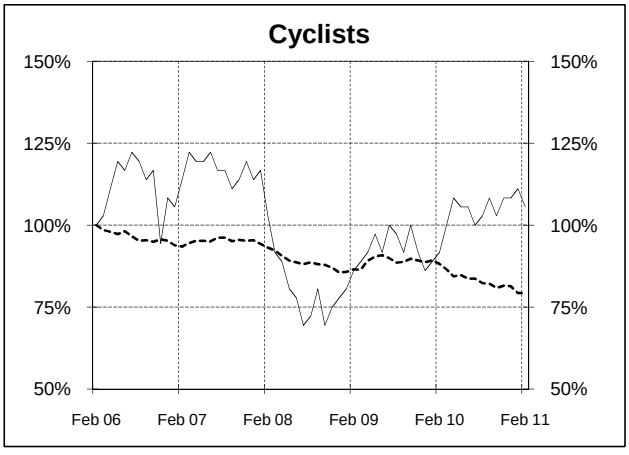












a Comprises drivers and passengers

b Includes pillion passengers

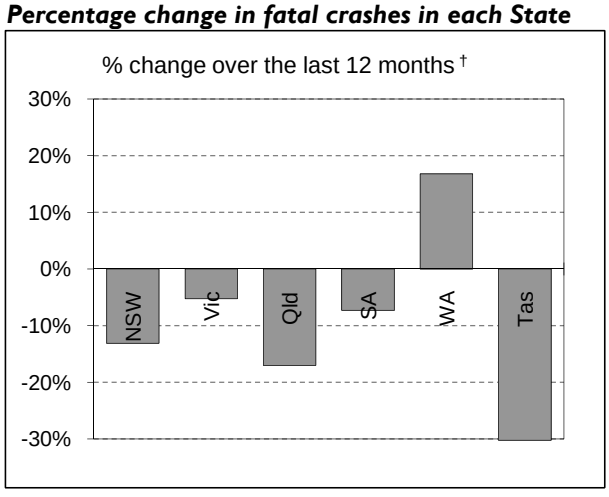
NUMBER OF FATAL ROAD CRASHES IN EACH STATE / TERRITORY

Fatal crashes by State/Territory
for current month, year to date, 12 months ended February, and five year trend.

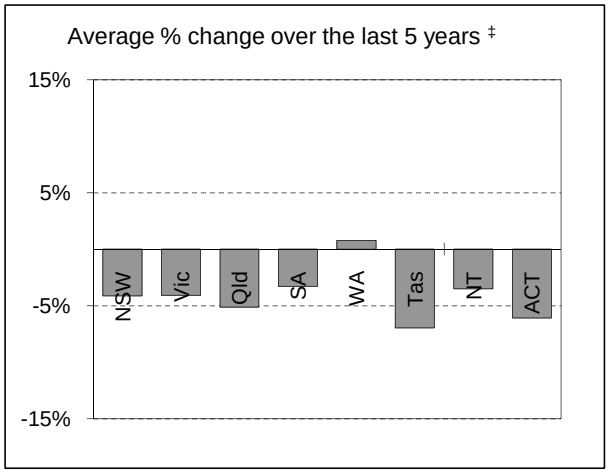
	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	**Australia**
Current month									
Feb 2011	25	19	16	9	17	3	2	0	91
Feb 2010	31	24	18	9	5	2	1	2	92
% change	**-19.4**	**-20.8**	**-11.1**	**0.0**	**240.0**	**50.0**	**100.0**	**-100.0**	**-1.1**
Year to date									
Jan 2011 - Feb 2011	52	36	30	20	27	6	2	2	175
Jan 2010 - Feb 2010	67	43	32	23	15	5	6	3	194
% change	**-22.4**	**-16.3**	**-6.3**	**-13.0**	**80.0**	**20.0**	**-66.7**	**-33.3**	**-9.8**
12 months to date									
Mar 2010 - Feb 2011	365	253	234	102	188	30	42	14	1,228
Mar 2009 - Feb 2010	420	267	282	110	161	43	35	14	1,332
% change	**-13.1**	**-5.2**	**-17.0**	**-7.3**	**16.8**	**-30.2**	**20.0**	**0.0**	**-7.8**
Average annual % change over 5 years [a]									
YE February 2006 to YE February 2011	**-4.1**	**-4.1**	**-5.1**	**-3.3**	**0.8**	**-7.0**	**-3.5**	**-6.1**	**-3.7**

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 February 2011 and February 2010.



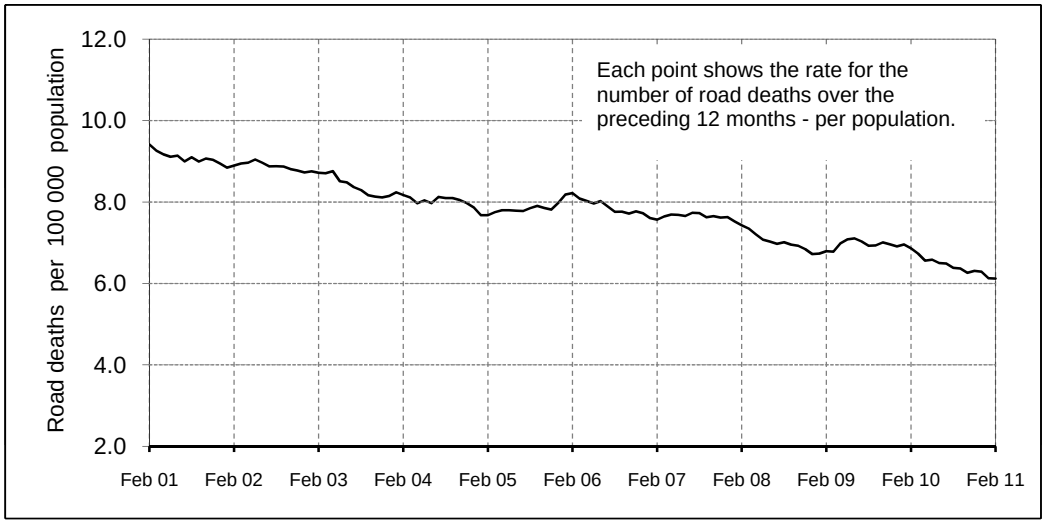
‡ Average annual percentage change based on the exponential trend from the year ending February 2006 to year ending February 2011.

ROAD DEATH RATES

Road deaths per 100,000 population

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	**Australia**
12-months to date									
Mar 2010 - Feb 2011	5.5	4.9	5.5	6.6	8.9	6.1	19.5	4.7	5.9
Mar 2009 - Feb 2010	6.6	5.3	7.0	7.9	7.7	10.7	15.4	4.2	6.7
	5.8	5.2	5.5	7.2	8.4	6.1	21.3	5.0	6.1
Calendar year									
2010	5.8	5.2	5.5	7.2	8.4	6.1	21.3	5.0	6.1
2005	7.5	6.9	8.3	9.5	8.1	10.5	26.7	7.9	8.0

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 day of week. Two years ended February 2011 and two years ended February 2006

	Speed limit (km/h) [a]			***Time of Day***	
	Up to 60	*65-95*	*100+*	*Day*	*Night* [b]
Mar 2009 - Feb 2011	30.1%	22.8%	47.1%	58.8%	41.3%
Mar 2004 - Feb 2006	32.5%	22.1%	45.4%	54.8%	45.2%

	Crash Type			***Day of week***	
	Pedestrian crash	*Other single veh. Crash*	*Other multiple veh. crash*	*Week day*	*Week-end* [c]
Mar 2009 - Feb 2011	13.9%	46.2%	39.9%	59.8%	40.2%
Mar 2004 - Feb 2006	15.1%	44.4%	40.4%	58.4%	41.6%

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 February 2011 and February 2010

	0-16 years	*17-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Males						
Mar 2010 - Feb 2011	46	244	220	278	170	962
Mar 2009 - Feb 2010	60	267	272	280	202	1,081
% change	**-23.3%**	**-8.6%**	**-19.1%**	**-0.7%**	**-15.8%**	**-11.0%**
Females						
Mar 2010 - Feb 2011	22	75	68	90	110	368
Mar 2009 - Feb 2010	43	80	73	101	99	397
% change	**-48.8%**	**-6.3%**	**-6.8%**	**-10.9%**	**11.1%**	**-7.3%**
Persons [b]						
Mar 2010 - Feb 2011	69	319	288	368	280	1,331
Mar 2009 - Feb 2010	106	347	345	381	301	1,481
% change	**-34.9%**	**-8.1%**	**-16.5%**	**-3.4%**	**-7.0%**	**-10.1%**

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	*17-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Occupants [b]						
Mar 2010 - Feb 2011	53	231	191	208	210	899
Mar 2009 - Feb 2010	85	279	224	244	198	1,031
% change	**-37.6%**	**-17.2%**	**-14.7%**	**-14.8%**	**6.1%**	**-12.8%**
Motorcyclists [c]						
Mar 2010 - Feb 2011	1	55	61	92	15	225
Mar 2009 - Feb 2010	3	38	78	89	12	220
% change	**-66.7%**	**44.7%**	**-21.8%**	**3.4%**	**25.0%**	**2.3%**
Pedestrians						
Mar 2010 - Feb 2011	14	28	30	51	45	168
Mar 2009 - Feb 2010	16	29	38	38	75	196
% change	**-12.5%**	**-3.4%**	**-21.1%**	**34.2%**	**-40.0%**	**-14.3%**

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.bitre.gov.au/info.aspx?NodeId=167

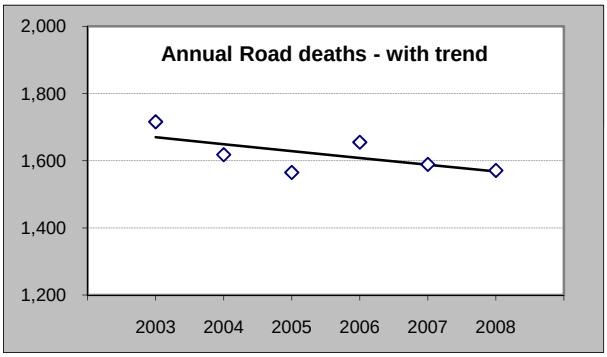
3. Estimation of five year trends

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%`