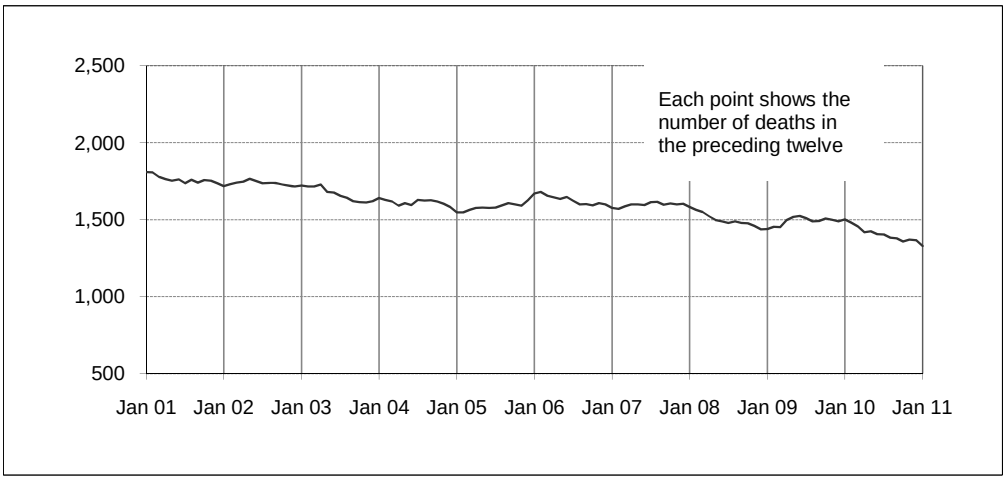
ISSN 1449–1168

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

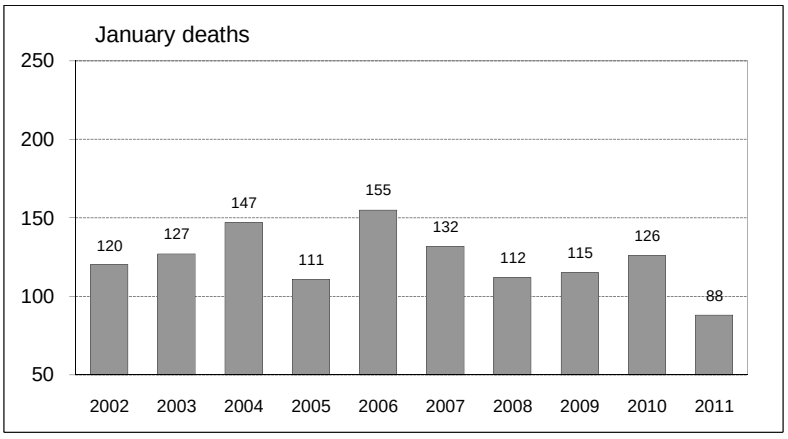
bitre

Road deaths Australia — January 2011

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



Australian road deaths for January — 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 88 road deaths in January 2011.
- this is a 30.2 per cent decrease from the January 2010 figure.

During the 12 months ended January 2010, there were a total of 1,329 deaths.
- this is a 11.5 per cent decrease from the 12 month period ended January 2010.

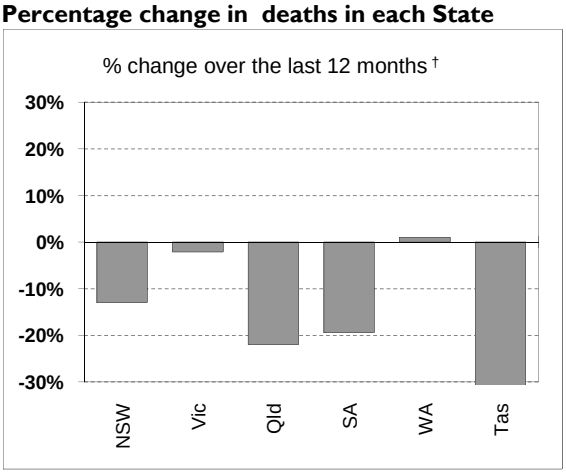
NUMBER OF ROAD CRASH DEATHS IN EACH STATE / TERRITORY

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

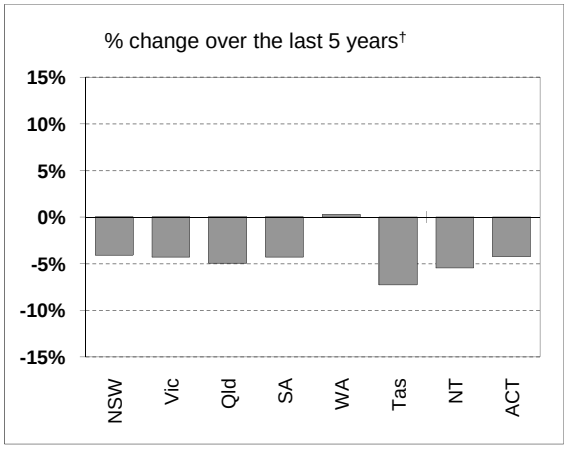
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Jan 2011	30	18	15	11	9	3	0	2	88
Jan 2010	43	26	15	21	11	4	5	1	126
% change	**-30.2**	**-30.8**	**0.0**	**-47.6**	**-18.2**	**-25.0**	**-100.0**	**100.0**	**-30.2**
Year to date									
Jan 2011 - Jan 2011	30	18	15	11	9	3	0	2	88
Jan 2010 - Jan 2010	43	26	15	21	11	4	5	1	126
% change	**-30.2**	**-30.8**	**0.0**	**-47.6**	**-18.2**	**-25.0**	**-100.0**	**100.0**	**-30.2**
12-months to date									
Feb 2010 - Jan 2011	409	279	249	108	191	30	44	19	1,329
Feb 2009 - Jan 2010	470	285	319	134	189	57	34	13	1,501
Difference	-61	-6	-70	-26	2	-27	10	6	-172
% change	**-13.0**	**-2.1**	**-21.9**	**-19.4**	**1.1**	**-47.4**	**29.4**	**46.2**	**-11.5**
Average annual % change over 5 years [a]									
YE January 2006 to YE January 2011	**-4.1**	**-4.3**	**-4.9**	**-4.3**	**0.3**	**-7.3**	**-5.5**	**-4.2**	**-3.9**

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



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

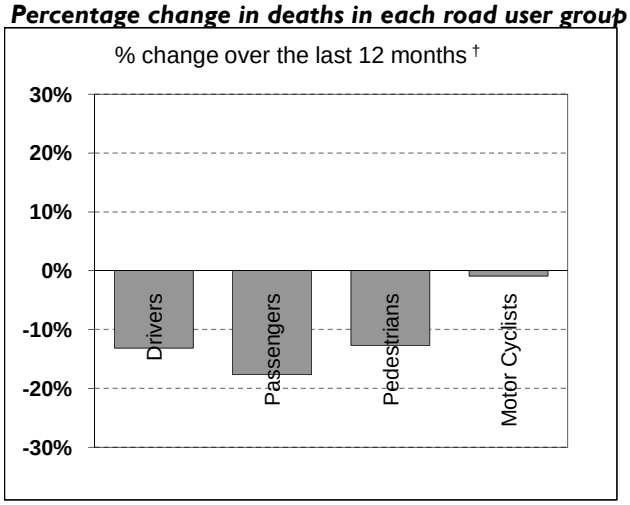
NUMBER OF DEATHS IN EACH ROAD USER GROUP

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

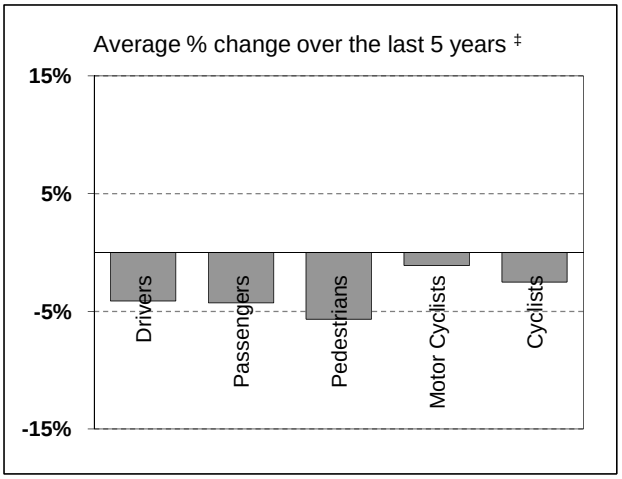
	Drivers	*Passengers*	*Pedestrians*	*Motor-cyclists* [a]	*Cyclists*	***All road users*** [b]
Males						
Feb 2010 - Jan 2011	460	142	117	203	36	958
Feb 2009 - Jan 2010	530	188	139	211	27	1,095
% change	**-13.2**	**-24.5**	**-15.8**	**-3.8**	**33.3**	**-12.5**
Females						
Feb 2010 - Jan 2011	161	132	55	17	4	370
Feb 2009 - Jan 2010	185	143	58	11	5	403
% change	**-13.0**	**-7.7**	**-5.2**	**54.5**	**-20.0**	**-8.2**
Persons [c]						
Feb 2010 - Jan 2011	621	275	172	220	40	1,329
Feb 2009 - Jan 2010	715	334	197	222	32	1,501
% change	**-13.1**	**-17.7**	**-12.7**	**-0.9**	**25.0**	**-11.5**
Average annual % change over 5 years [d]						
YE January 2006 to YE January 2011	**-4.1**	**-4.3**	**-5.7**	**-1.1**	**-2.5**	**-3.9**

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 January 2011 and January 2010. Cyclists not shown.

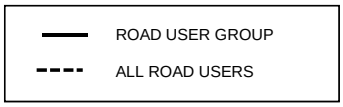


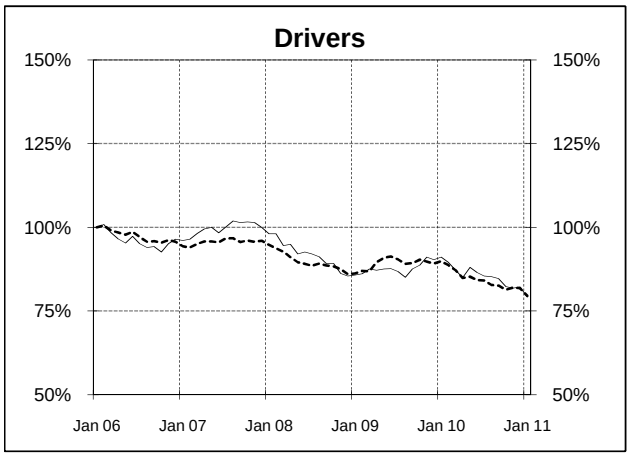
‡ Average annual percentage change based on the exponential trend from the year ending January 2006 to year ending January 2011.

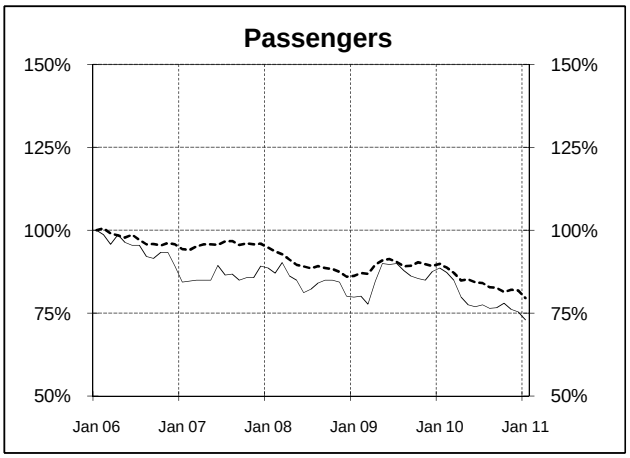
DEATHS IN EACH ROAD USER GROUP - TRENDS

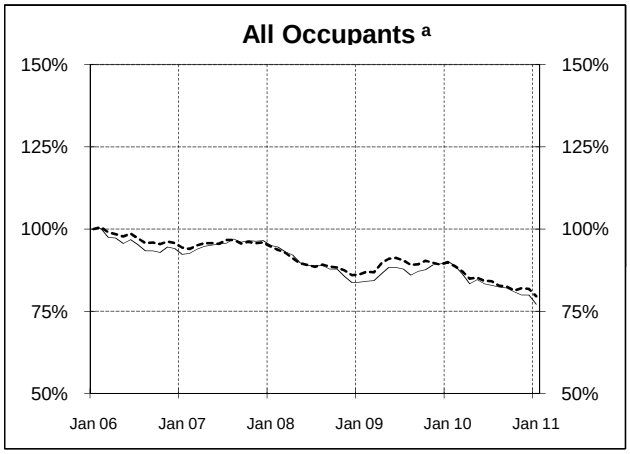
Annual deaths in each road user group - last 5 years

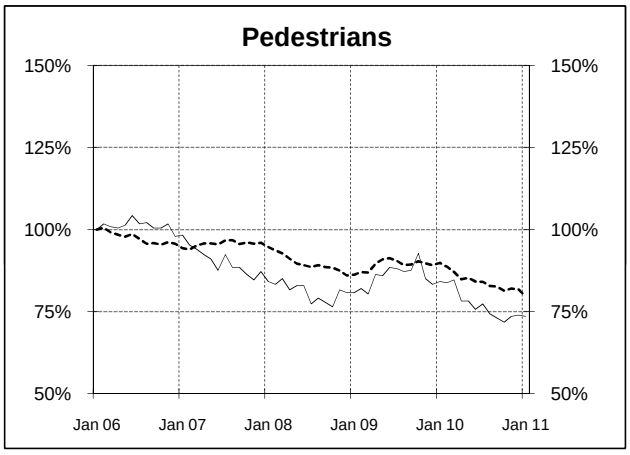
The number shown at each month represents the number of deaths in the preceding 12 months expressed as a percentage of the number of deaths in the 12 months to January 2006.

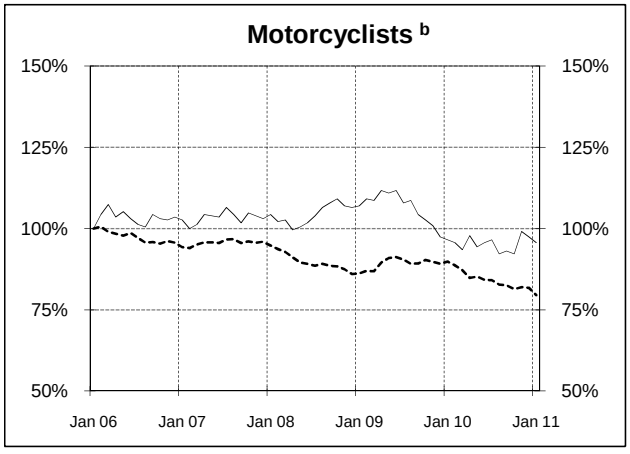


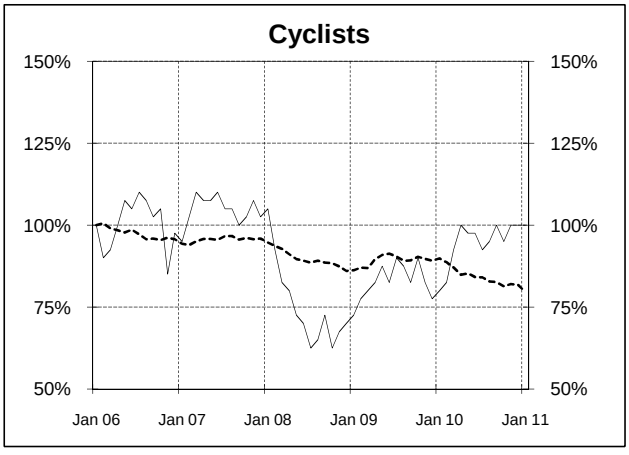












a Comprises drivers and passengers

b Includes pillion passengers

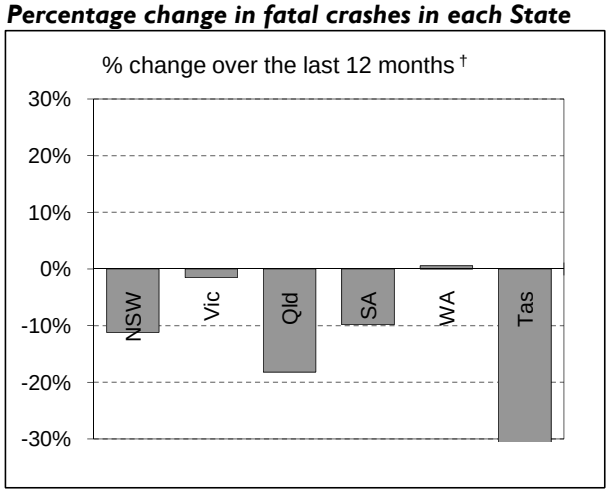
NUMBER OF FATAL ROAD CRASHES IN EACH STATE / TERRITORY

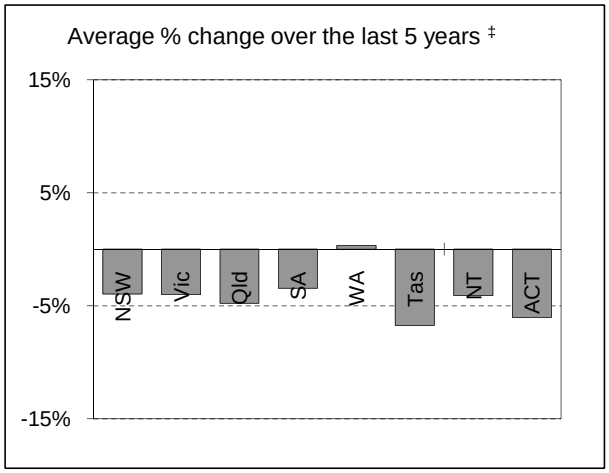
Fatal crashes by State/Territory
for current month, year to date, 12 months ended January, and five year trend.

	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Jan 2011	27	17	12	10	9	3	0	2	80
Jan 2010	36	19	14	14	10	3	5	1	102
% change	**-25.0**	**-10.5**	**-14.3**	**-28.6**	**-10.0**	**0.0**	**-100.0**	**100.0**	**-21.6**
Year to date									
Jan 2011 - Jan 2011	27	17	12	10	9	3	0	2	80
Jan 2010 - Jan 2010	36	19	14	14	10	3	5	1	102
% change	**-25.0**	**-10.5**	**-14.3**	**-28.6**	**-10.0**	**0.0**	**-100.0**	**100.0**	**-21.6**
12 months to date									
Feb 2010 - Jan 2011	373	257	234	101	175	29	41	16	1,226
Feb 2009 - Jan 2010	420	261	286	112	174	45	34	12	1,344
% change	**-11.2**	**-1.5**	**-18.2**	**-9.8**	**0.6**	**-35.6**	**20.6**	**33.3**	**-8.8**
Average annual % change over 5 years [a]									
YE January 2006 to YE January 2011	**-3.9**	**-4.0**	**-4.8**	**-3.4**	**0.3**	**-6.7**	**-4.1**	**-6.0**	**-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 January 2011 and January 2010.

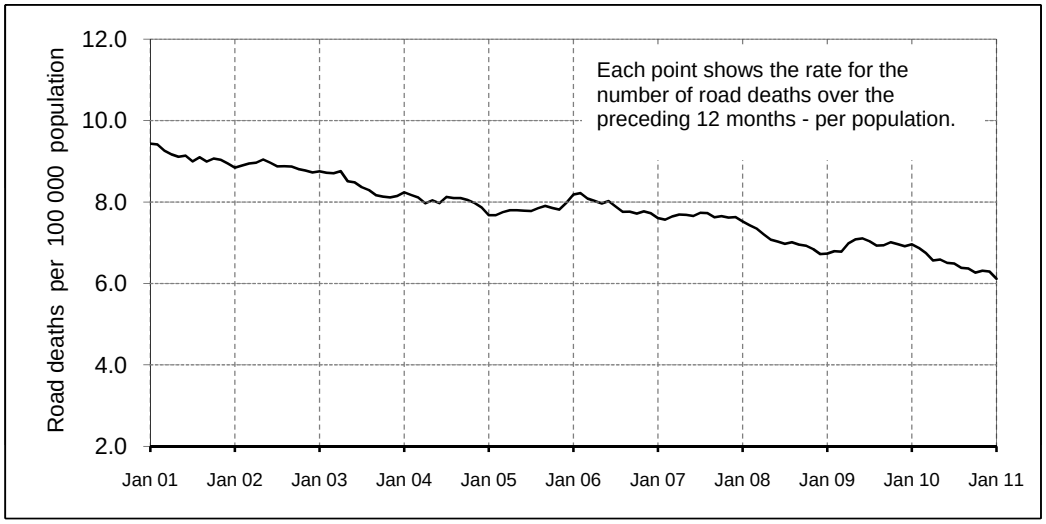
‡ Average annual percentage change based on the exponential trend from the year ending January 2006 to year ending January 2011.

ROAD DEATH RATES

Road deaths per 100,000 population

	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
12-months to date									
Feb 2010 - Jan 2011	5.6	5.0	5.5	6.6	8.3	5.9	19.1	5.3	5.9
Feb 2009 - Jan 2010	6.6	5.2	7.2	8.2	8.4	11.3	15.0	3.7	6.8
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 January 2011 and two years ended January 2006

	Speed limit (km/h) [a]			***Time of Day***	
	Up to 60	*65-95*	*100+*	*Day*	*Night* [b]
Feb 2009 - Jan 2011	30.0%	22.9%	47.1%	58.5%	41.5%
Feb 2004 - Jan 2006	32.4%	21.9%	45.8%	54.8%	45.2%

	Crash Type			***Day of week***	
	Pedestrian crash	*Other single veh. Crash*	*Other multiple veh. crash*	*Week day*	*Week-end* [c]
Feb 2009 - Jan 2011	14.0%	46.2%	39.8%	59.7%	40.3%
Feb 2004 - Jan 2006	15.1%	44.4%	40.5%	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 January 2011 and January 2010

	0-16 years	*17-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Males						
Feb 2010 - Jan 2011	49	249	227	262	167	958
Feb 2009 - Jan 2010	61	275	278	287	194	1,095
% change	**-19.7%**	**-9.5%**	**-18.3%**	**-8.7%**	**-13.9%**	**-12.5%**
Females						
Feb 2010 - Jan 2011	24	74	69	94	107	370
Feb 2009 - Jan 2010	44	87	72	97	103	403
% change	**-45.5%**	**-14.9%**	**-4.2%**	**-3.1%**	**3.9%**	**-8.2%**
Persons [b]						
Feb 2010 - Jan 2011	74	323	296	356	274	1,329
Feb 2009 - Jan 2010	108	362	350	384	297	1,501
% change	**-31.5%**	**-10.8%**	**-15.4%**	**-7.3%**	**-7.7%**	**-11.5%**

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]						
Feb 2010 - Jan 2011	57	238	190	205	202	896
Feb 2009 - Jan 2010	82	295	229	243	200	1,049
% change	**-30.5%**	**-19.3%**	**-17.0%**	**-15.6%**	**1.0%**	**-14.6%**
Motorcyclists [c]						
Feb 2010 - Jan 2011	1	51	67	84	16	220
Feb 2009 - Jan 2010	4	39	79	92	8	222
% change	**-75.0%**	**30.8%**	**-15.2%**	**-8.7%**	**100.0%**	**-0.9%**
Pedestrians						
Feb 2010 - Jan 2011	15	30	31	49	46	172
Feb 2009 - Jan 2010	20	27	38	38	74	197
% change	**-25.0%**	**11.1%**	**-18.4%**	**28.9%**	**-37.8%**	**-12.7%**

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

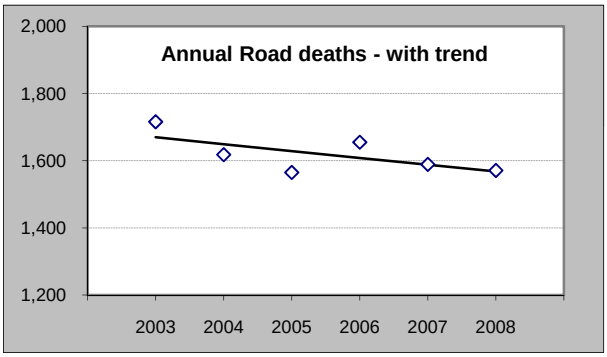
3. Estimation of five year trends

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%`