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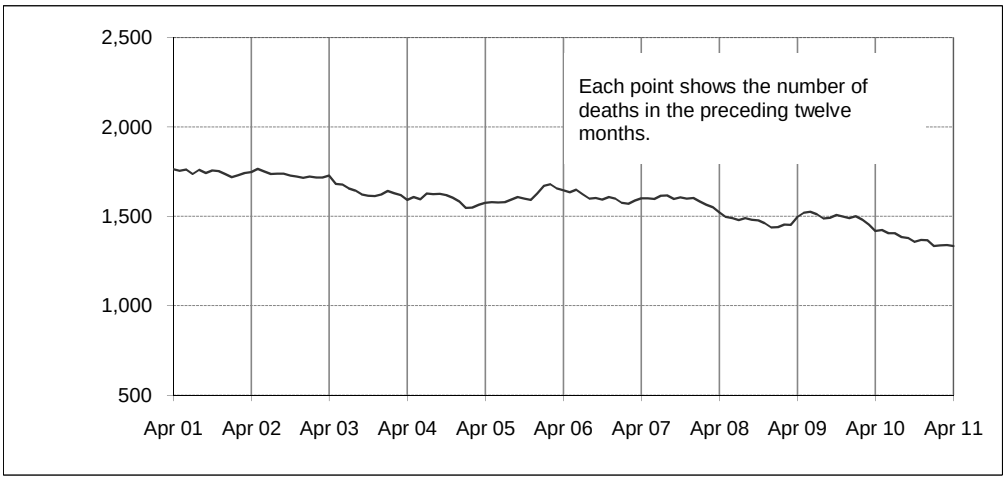
Australian Government
Department of Infrastructure and Transport
Bureau of Infrastructure, Transport and Regional Economics

bitre

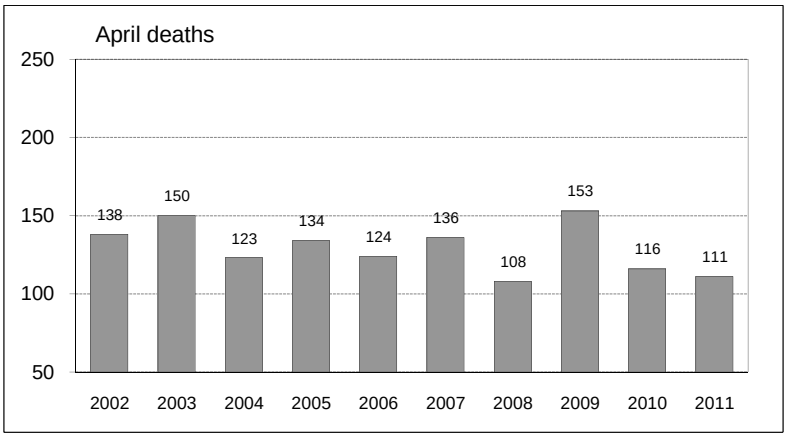
Road deaths Australia

April 2011

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



Australian road deaths for April — 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 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 111 road deaths in April 2011.
- this is a 4.3 per cent decrease from the April 2010 figure.

There have been 414 road deaths in 2011 to the end of April.
- this is a 7.0 per cent decrease from the same 4 month period in 2010.

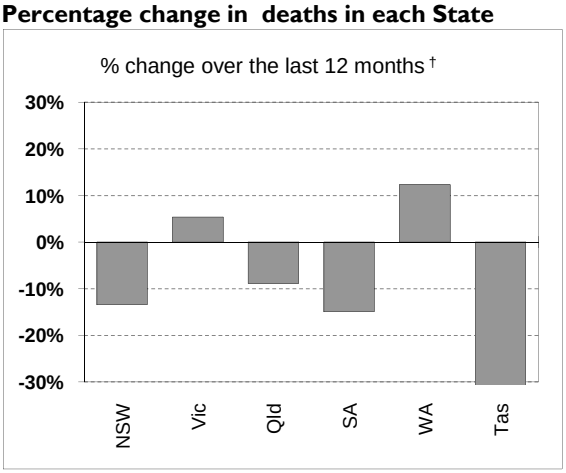
NUMBER OF ROAD CRASH DEATHS IN EACH STATE / TERRITORY

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

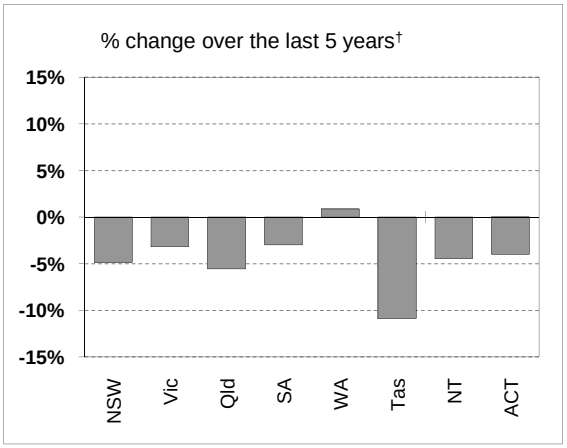
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Apr 2011	26	30	23	11	16	2	3	0	111
Apr 2010	44	20	20	9	17	1	2	3	116
% change	**-40.9**	**50.0**	**15.0**	**22.2**	**-5.9**	**100.0**	**50.0**	**-100.0**	**-4.3**
Year to date									
Jan 2011 - Apr 2011	116	101	79	39	58	10	5	6	414
Jan 2010 - Apr 2010	148	94	71	49	50	11	11	11	445
% change	**-21.6**	**7.4**	**11.3**	**-20.4**	**16.0**	**-9.1**	**-54.5**	**-45.5**	**-7.0**
12-months to date									
May 2010 - Apr 2011	387	295	257	108	201	30	43	13	1,334
May 2009 - Apr 2010	447	280	282	127	179	47	36	19	1,417
Difference	-60	15	-25	-19	22	-17	7	-6	-83
% change	**-13.4**	**5.4**	**-8.9**	**-15.0**	**12.3**	**-36.2**	**19.4**	**-31.6**	**-5.9**
Average annual % change over 5 years [a]									
YE April 2006 to YE April 2011	**-4.9**	**-3.2**	**-5.5**	**-3.0**	**0.9**	**-10.9**	**-4.4**	**-4.0**	**-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 April 2011 and April 2010.
NT and ACT not shown.



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

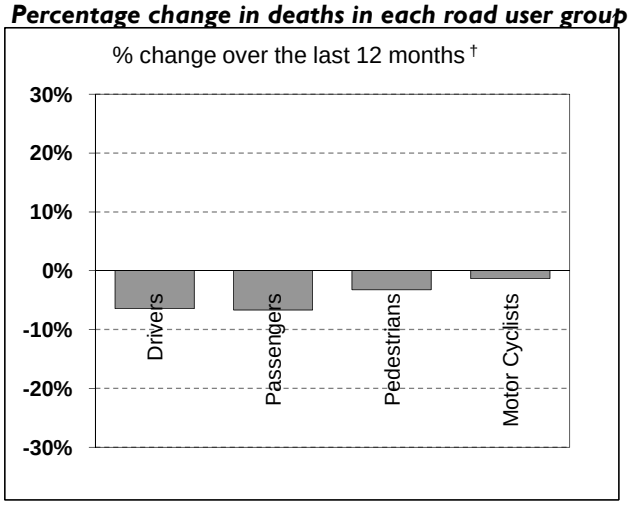
NUMBER OF DEATHS IN EACH ROAD USER GROUP

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

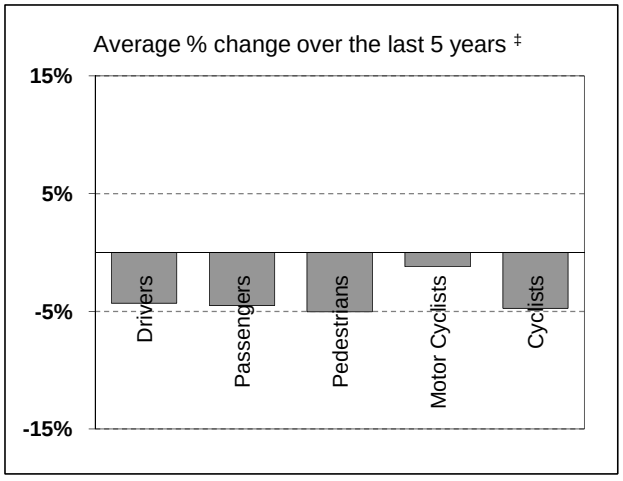
	Drivers	*Passengers*	*Pedestrians*	*Motor-cyclists* [a]	*Cyclists*	***All road users*** [b]
Males						
May 2010 - Apr 2011	461	149	123	202	26	961
May 2009 - Apr 2010	498	167	133	216	35	1,049
% change	**-7.4**	**-10.8**	**-7.5**	**-6.5**	**-25.7**	**-8.4**
Females						
May 2010 - Apr 2011	161	130	55	20	4	370
May 2009 - Apr 2010	168	131	51	9	4	365
% change	**-4.2**	**-0.8**	**7.8**	**122.2**	**0.0**	**1.4**
Persons [c]						
May 2010 - Apr 2011	623	281	178	222	30	1,334
May 2009 - Apr 2010	666	301	184	225	39	1,417
% change	**-6.5**	**-6.6**	**-3.3**	**-1.3**	**-23.1**	**-5.9**
Average annual % change over 5 years [d]						
YE April 2006 to YE April 2011	**-4.3**	**-4.5**	**-5.1**	**-1.2**	**-4.7**	**-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 April 2011 and April 2010. Cyclists not shown.

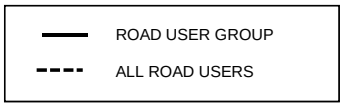


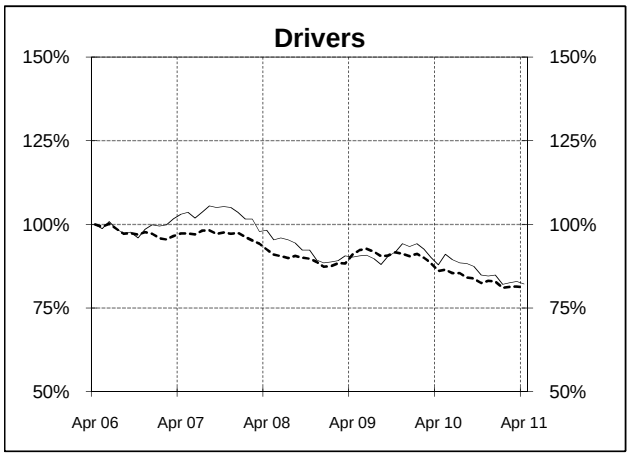
‡ Average annual percentage change based on the exponential trend from the year ending April 2006 to year ending April 2011.

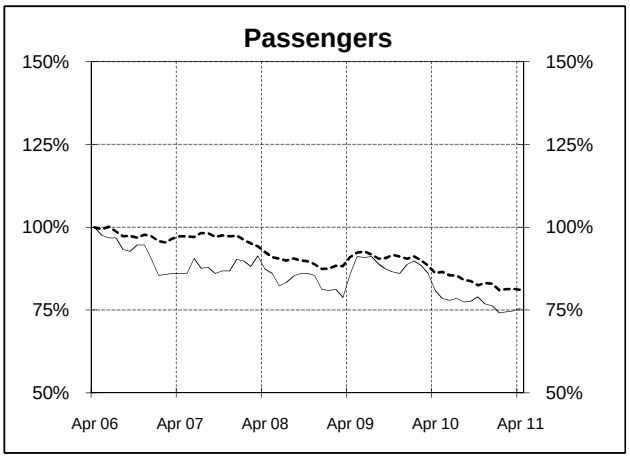
DEATHS IN EACH ROAD USER GROUP - TRENDS

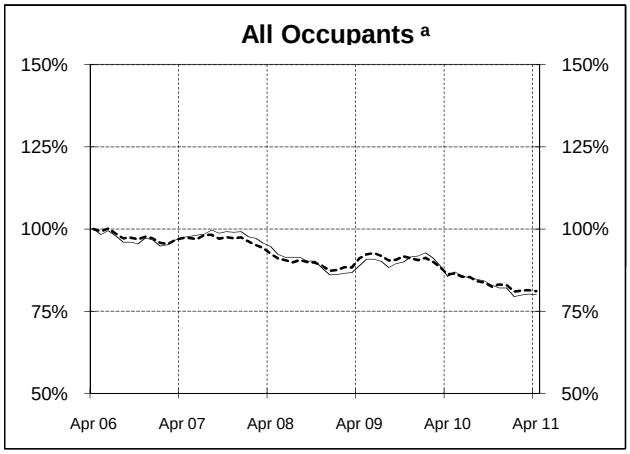
Annual deaths in each road user group - last 5 years

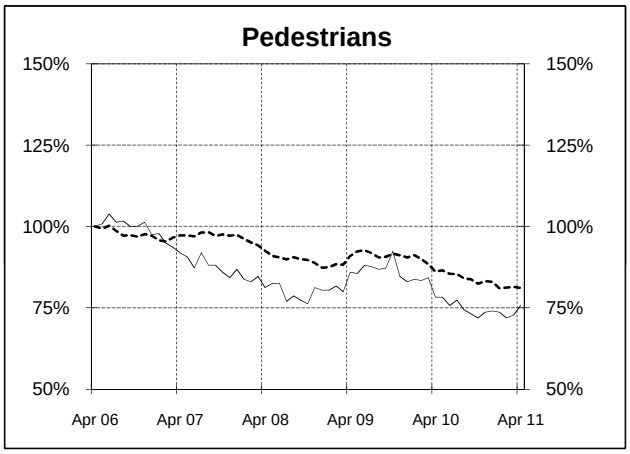
The number shown at each month represents the number of deaths in the preceding 12 months expressed as a percentage of the number of deaths in the 12 months to April 2006.

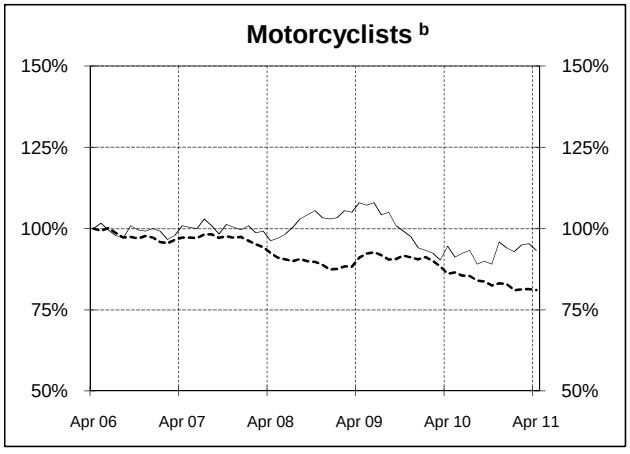


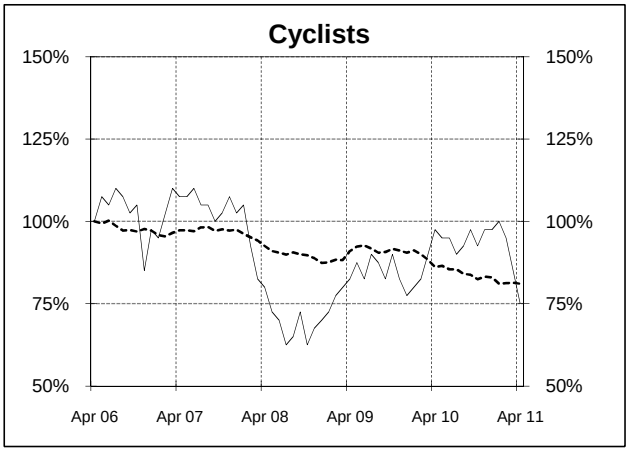












a Comprises drivers and passengers

b Includes pillion passengers

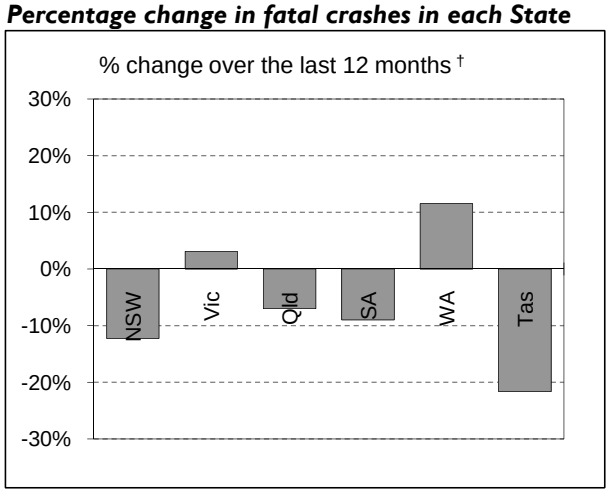
NUMBER OF FATAL ROAD CRASHES IN EACH STATE / TERRITORY

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

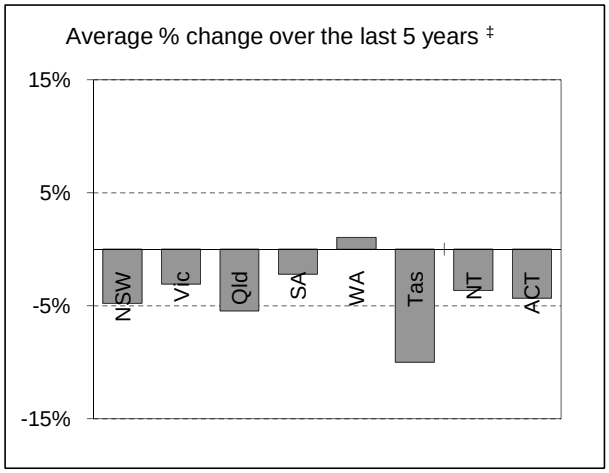
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Apr 2011	25	28	18	10	14	2	3	0	100
Apr 2010	41	18	18	8	15	1	2	3	106
% change	**-39.0**	**55.6**	**0.0**	**25.0**	**-6.7**	**100.0**	**50.0**	**-100.0**	**-5.7**
Year to date									
Jan 2011 - Apr 2011	106	92	68	37	54	10	5	6	378
Jan 2010 - Apr 2010	134	84	65	41	46	10	11	8	399
% change	**-20.9**	**9.5**	**4.6**	**-9.8**	**17.4**	**0.0**	**-54.5**	**-25.0**	**-5.3**
12 months to date									
May 2010 - Apr 2011	351	268	239	101	184	29	40	13	1,225
May 2009 - Apr 2010	400	260	257	111	165	37	36	16	1,282
% change	**-12.3**	**3.1**	**-7.0**	**-9.0**	**11.5**	**-21.6**	**11.1**	**-18.8**	**-4.4**
Average annual % change over 5 years [a]									
YE April 2006 to YE April 2011	**-4.8**	**-3.1**	**-5.4**	**-2.2**	**1.1**	**-10.0**	**-3.6**	**-4.3**	**-3.8**

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 April 2011 and April 2010.



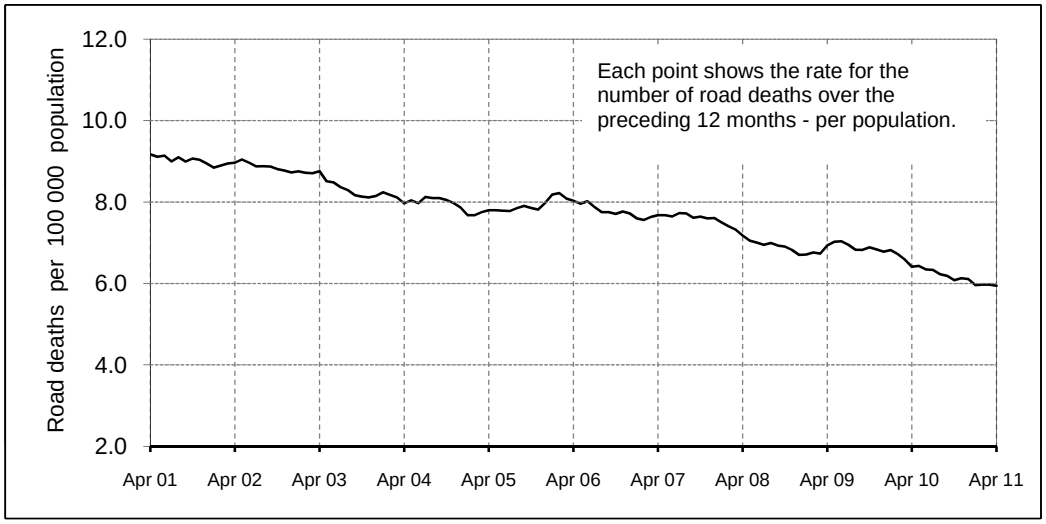
‡ Average annual percentage change based on the exponential trend from the year ending April 2006 to year ending April 2011.

ROAD DEATH RATES

Road deaths per 100,000 population

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	**Australia**
12-months to date									
May 2010 - Apr 2011	5.3	5.3	5.7	6.5	8.7	5.9	18.6	3.6	5.9
May 2009 - Apr 2010	6.2	5.1	6.3	7.8	7.9	9.3	15.8	5.4	6.4
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 April 2011 and two years ended April 2006

	Speed limit (km/h) [a]			***Time of Day***	
	Up to 60	*65-95*	*100+*	*Day*	*Night* [b]
May 2009 - Apr 2011	32.7%	21.9%	45.4%	58.5%	41.5%
May 2004 - Apr 2006	34.2%	21.7%	44.1%	54.3%	45.7%

	Crash Type			***Day of week***	
	Pedestrian crash	*Other single veh. Crash*	*Other multiple veh. crash*	*Week day*	*Week-end* [c]
May 2009 - Apr 2011	14.1%	45.5%	40.4%	59.4%	40.6%
May 2004 - Apr 2006	14.9%	45.3%	39.8%	57.8%	42.2%

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 April 2011 and April 2010

	0-16 years	*17-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Males						
May 2010 - Apr 2011	49	246	220	267	170	961
May 2009 - Apr 2010	57	243	262	284	203	1,049
% change	**-14.0**	**1.2**	**-16.0**	**-6.0**	**-16.3**	**-8.4**
Females						
May 2010 - Apr 2011	25	78	65	91	108	370
May 2009 - Apr 2010	39	68	61	95	101	365
% change	**-35.9**	**14.7**	**6.6**	**-4.2**	**6.9**	**1.4**
Persons [b]						
May 2010 - Apr 2011	75	325	285	358	278	1,334
May 2009 - Apr 2010	99	311	323	379	304	1,417
% change	**-24.2**	**4.5**	**-11.8**	**-5.5**	**-8.6**	**-5.9**

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]						
May 2010 - Apr 2011	59	234	186	210	205	904
May 2009 - Apr 2010	76	245	216	229	200	967
% change	**-22.4**	**-4.5**	**-13.9**	**-8.3**	**2.5**	**-6.5**
Motorcyclists [c]						
May 2010 - Apr 2011	3	59	59	79	21	222
May 2009 - Apr 2010	3	38	72	100	12	225
% change	**0.0**	**55.3**	**-18.1**	**-21.0**	**75.0**	**-1.3**
Pedestrians						
May 2010 - Apr 2011	12	28	36	54	46	178
May 2009 - Apr 2010	19	25	29	37	74	184
% change	**-36.8**	**12.0**	**24.1**	**45.9**	**-37.8**	**-3.3**

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

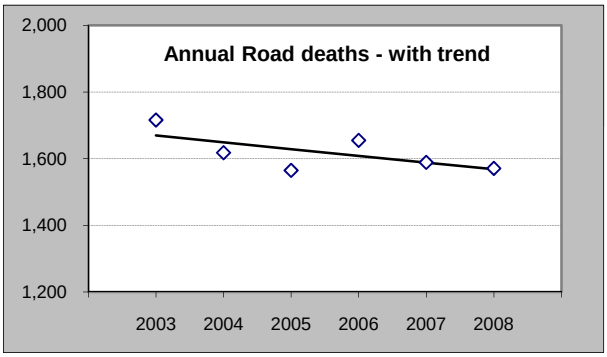
3. Estimation of five year trends

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%`