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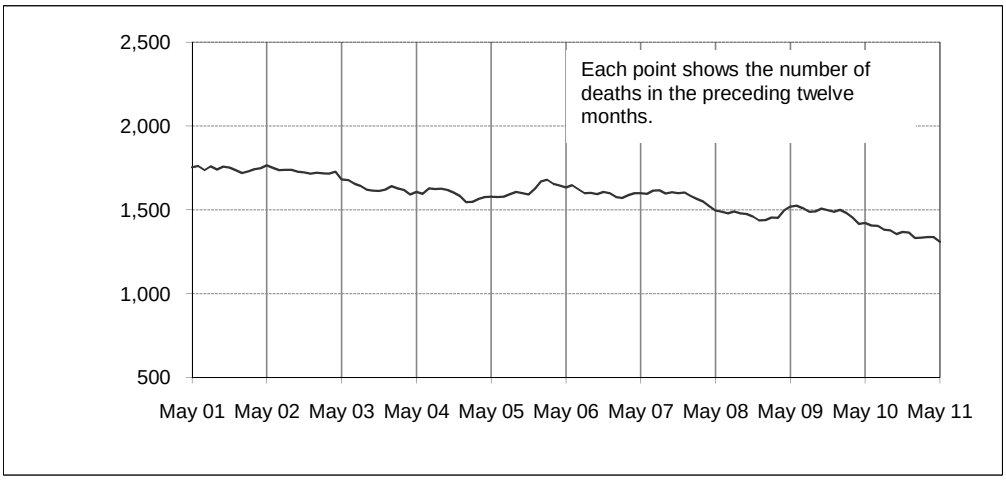
Australian Government
Department of Infrastructure and Transport
Bureau of Infrastructure, Transport and Regional Economics

bitre

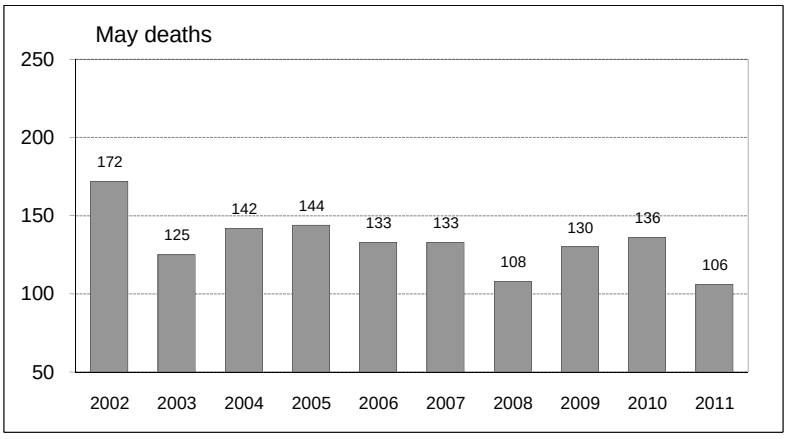
Road deaths Australia

May 2011

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



Australian road deaths for May — 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 106 road deaths in May 2011.
- this is a 22.1 per cent decrease from the May 2010 figure.

There have been 525 road deaths in 2011 to the end of May.
- this is a 9.6 per cent decrease from the same 5 month period in 2010.

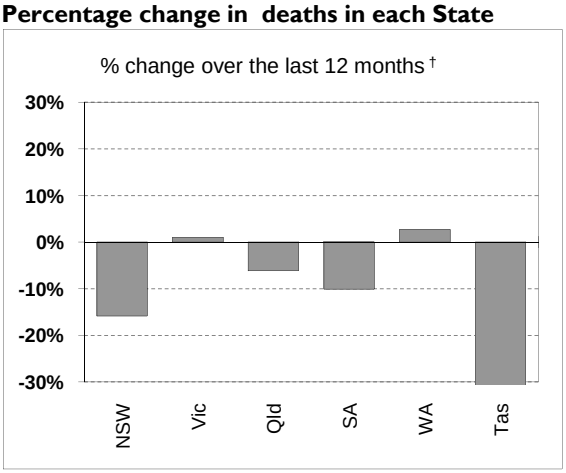
NUMBER OF ROAD CRASH DEATHS IN EACH STATE / TERRITORY

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

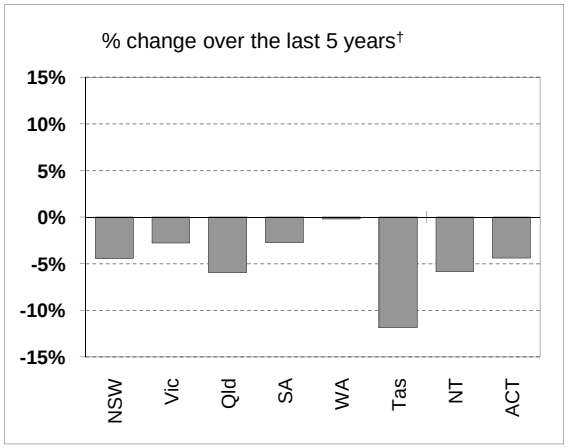
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
May 2011	26	30	25	11	9	2	2	1	106
May 2010	38	31	22	12	22	5	3	3	136
% change	**-31.6**	**-3.2**	**13.6**	**-8.3**	**-59.1**	**-60.0**	**-33.3**	**-66.7**	**-22.1**
Year to date									
Jan 2011 - May 2011	145	132	104	50	68	12	7	7	525
Jan 2010 - May 2010	186	125	93	61	72	16	14	14	581
% change	**-22.0**	**5.6**	**11.8**	**-18.0**	**-5.6**	**-25.0**	**-50.0**	**-50.0**	**-9.6**
12-months to date									
Jun 2010 - May 2011	378	295	260	107	189	27	42	11	1 309
Jun 2009 - May 2010	449	292	277	119	184	45	36	21	1 423
Difference	-71	3	-17	-12	5	-18	6	-10	-114
% change	**-15.8**	**1.0**	**-6.1**	**-10.1**	**2.7**	**-40.0**	**16.7**	**-47.6**	**-8.0**
Average annual % change over 5 years [a]									
YE May 2006 to YE May 2011	**-4.4**	**-2.8**	**-5.9**	**-2.7**	**-0.2**	**-11.9**	**-5.9**	**-4.4**	**-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 May 2011 and May 2010.
NT and ACT not shown.



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

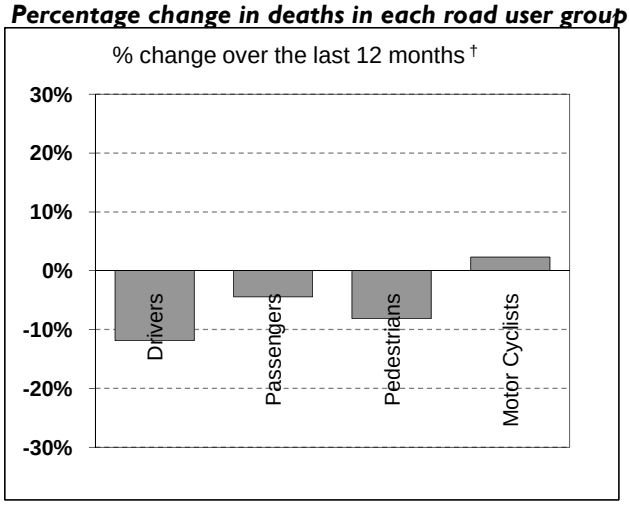
NUMBER OF DEATHS IN EACH ROAD USER GROUP

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

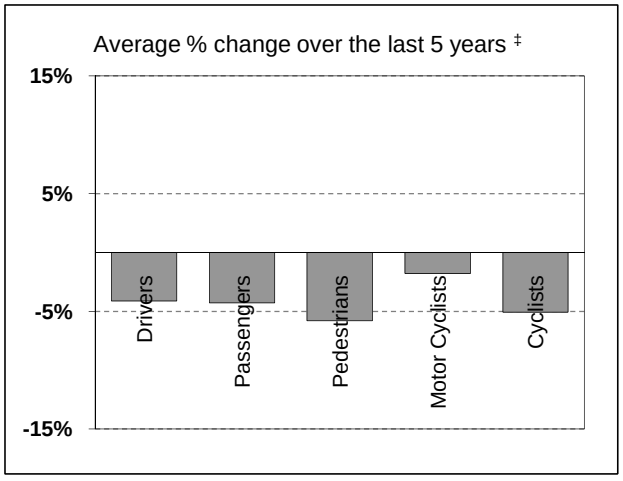
	Drivers	*Passengers*	*Pedestrians*	*Motor-cyclists* [a]	*Cyclists*	***All road users*** [b]
Males						
Jun 2010 - May 2011	452	149	117	202	27	947
Jun 2009 - May 2010	513	161	130	208	35	1 047
% change	**-11.9**	**-7.5**	**-10.0**	**-2.9**	**-22.9**	**-9.6**
Females						
Jun 2010 - May 2011	155	128	52	20	4	359
Jun 2009 - May 2010	177	128	54	9	3	373
% change	**-12.4**	**0.0**	**-3.7**	**122.2**	**33.3**	**-3.8**
Persons [c]						
Jun 2010 - May 2011	608	279	169	222	31	1 309
Jun 2009 - May 2010	690	292	184	217	38	1 423
% change	**-11.9**	**-4.5**	**-8.2**	**2.3**	**-18.4**	**-8.0**
Average annual % change over 5 years [d]						
YE May 2006 to YE May 2011	**-4.1**	**-4.3**	**-5.8**	**-1.8**	**-5.1**	**-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 May 2011 and May 2010. Cyclists not shown.

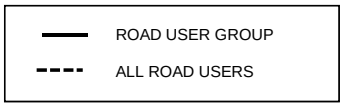


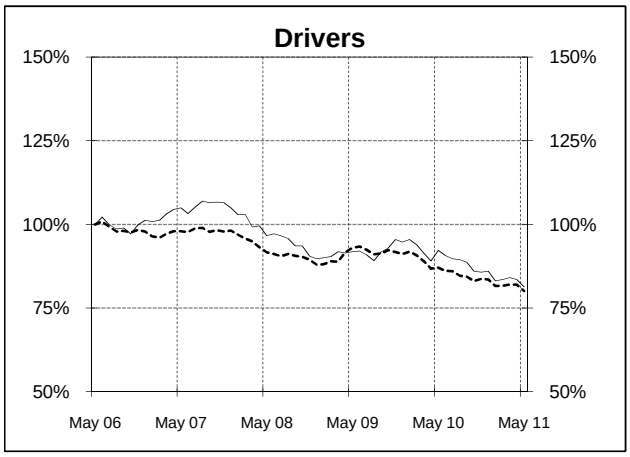
‡ Average annual percentage change based on the exponential trend from the year ending May 2006 to year ending May 2011.

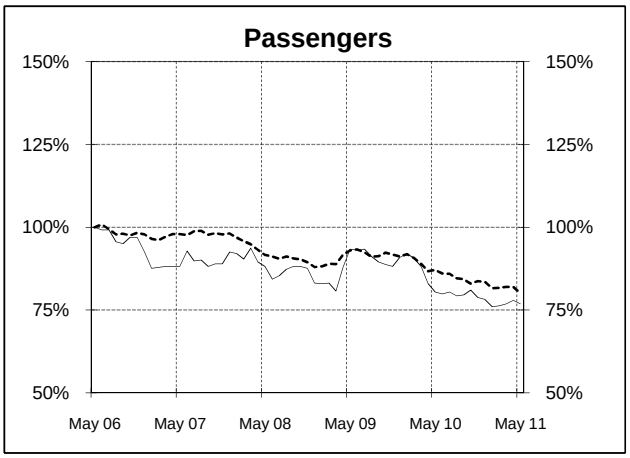
DEATHS IN EACH ROAD USER GROUP - TRENDS

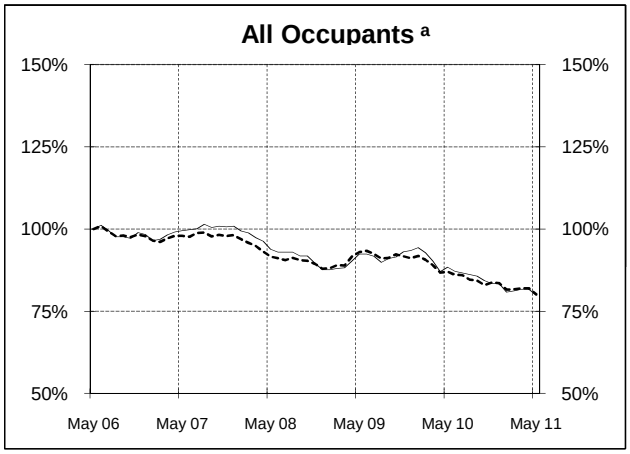
Annual deaths in each road user group - last 5 years

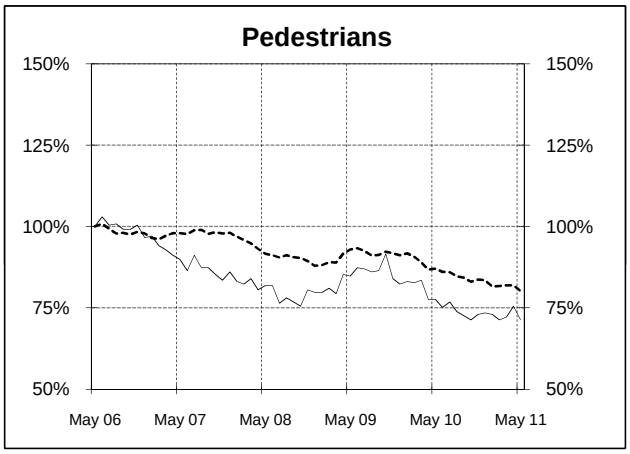
The number shown at each month represents the number of deaths in the preceding 12 months expressed as a percentage of the number of deaths in the 12 months to May 2006.

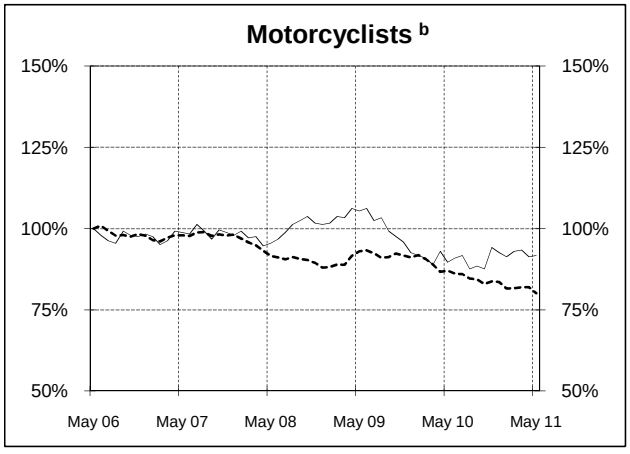


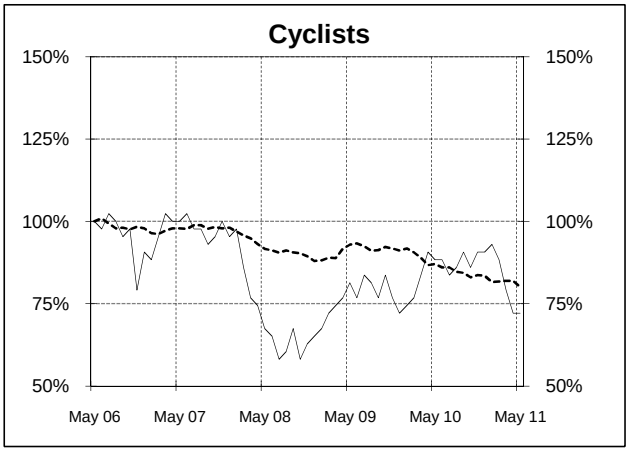












a Comprises drivers and passengers

b Includes pillion passengers

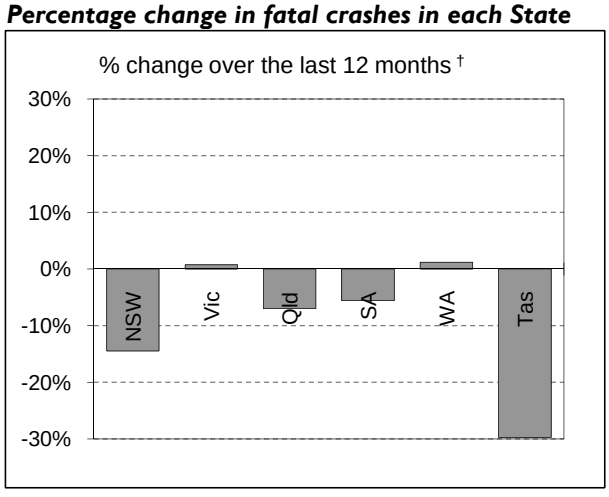
NUMBER OF FATAL ROAD CRASHES IN EACH STATE / TERRITORY

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

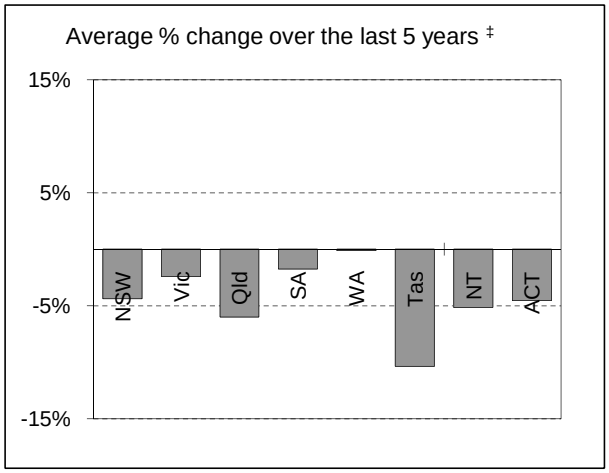
	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	**Australia**
Current month									
May 2011	24	30	20	11	8	2	2	1	98
May 2010	35	27	21	11	21	5	3	3	126
% change	**-31.4**	**11.1**	**-4.8**	**0.0**	**-61.9**	**-60.0**	**-33.3**	**-66.7**	**-22.2**
Year to date									
Jan 2011 - May 2011	133	123	88	48	63	12	7	7	481
Jan 2010 - May 2010	169	111	86	52	67	15	14	11	525
% change	**-21.3**	**10.8**	**2.3**	**-7.7**	**-6.0**	**-20.0**	**-50.0**	**-36.4**	**-8.4**
12 months to date									
Jun 2010 - May 2011	343	272	238	101	172	26	39	11	1 202
Jun 2009 - May 2010	401	270	256	107	170	37	36	18	1 295
% change	**-14.5**	**0.7**	**-7.0**	**-5.6**	**1.2**	**-29.7**	**8.3**	**-38.9**	**-7.2**
Average annual % change over 5 years [a]									
YE May 2006 to YE May 2011	**-4.4**	**-2.4**	**-6.0**	**-1.8**	**-0.1**	**-10.3**	**-5.1**	**-4.5**	**-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 May 2011 and May 2010.



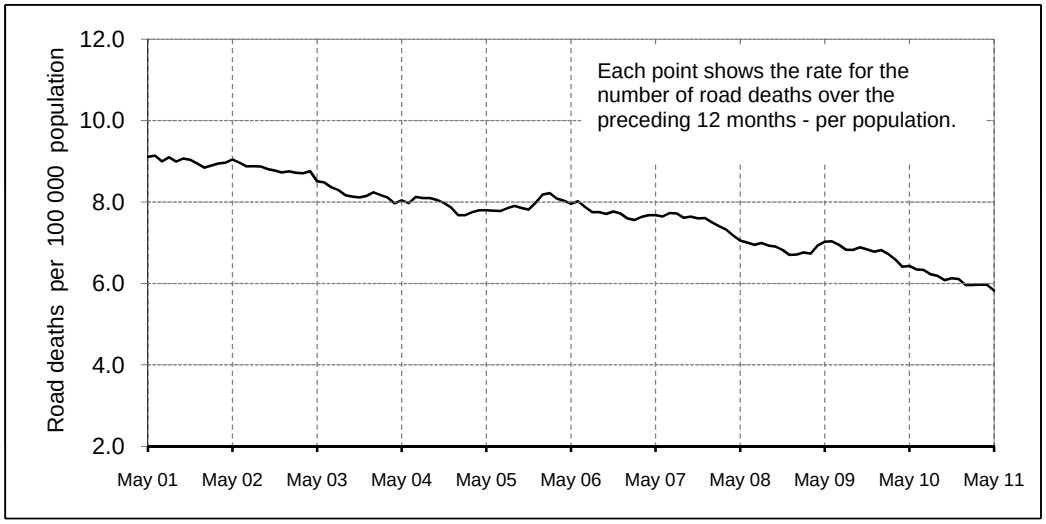
‡ Average annual percentage change based on the exponential trend from the year ending May 2006 to year ending May 2011.

ROAD DEATH RATES

Road deaths per 100,000 population

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	**Australia**
12-months to date									
Jun 2010 - May 2011	5.2	5.3	5.7	6.5	8.2	5.3	18.2	3.1	5.8
Jun 2009 - May 2010	6.3	5.3	6.2	7.3	8.1	8.9	15.8	5.9	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 May 2011 and two years ended May 2006

	Speed limit (km/h) [a]			***Time of Day***	
	Up to 60	*65-95*	*100+*	*Day*	*Night* [b]
Jun 2009 - May 2011	32.7%	22.5%	44.8%	58.5%	41.5%
Jun 2004 - May 2006	29.2%	22.4%	48.4%	54.3%	45.7%

	Crash Type			***Day of week***	
	Pedestrian crash	*Other single veh. Crash*	*Other multiple veh. crash*	*Week day*	*Week-end* [c]
Jun 2009 - May 2011	13.8%	45.1%	41.0%	59.4%	40.6%
Jun 2004 - May 2006	14.8%	45.1%	40.1%	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 May 2011 and May 2010

	0-16 years	*17-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Males						
Jun 2010 - May 2011	47	246	216	270	166	947
Jun 2009 - May 2010	55	239	264	285	204	1 047
% change	**-14.5**	**2.9**	**-18.2**	**-5.3**	**-18.6**	**-9.6**
Females						
Jun 2010 - May 2011	24	74	64	89	107	359
Jun 2009 - May 2010	37	70	62	102	101	373
% change	**-35.1**	**5.7**	**3.2**	**-12.7**	**5.9**	**-3.8**
Persons [b]						
Jun 2010 - May 2011	73	321	280	359	273	1 309
Jun 2009 - May 2010	95	309	326	387	305	1 423
% change	**-23.2**	**3.9**	**-14.1**	**-7.2**	**-10.5**	**-8.0**

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	*17-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Occupants [b]						
Jun 2010 - May 2011	59	227	187	214	198	887
Jun 2009 - May 2010	74	245	221	234	207	982
% change	**-20.3**	**-7.3**	**-15.4**	**-8.5**	**-4.3**	**-9.7**
Motorcyclists [c]						
Jun 2010 - May 2011	4	61	56	81	20	222
Jun 2009 - May 2010	2	35	72	99	9	217
% change	**100.0**	**74.3**	**-22.2**	**-18.2**	**122.2**	**2.3**
Pedestrians						
Jun 2010 - May 2011	9	28	33	49	49	169
Jun 2009 - May 2010	18	26	28	40	72	184
% change	**-50.0**	**7.7**	**17.9**	**22.5**	**-31.9**	**-8.2**

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

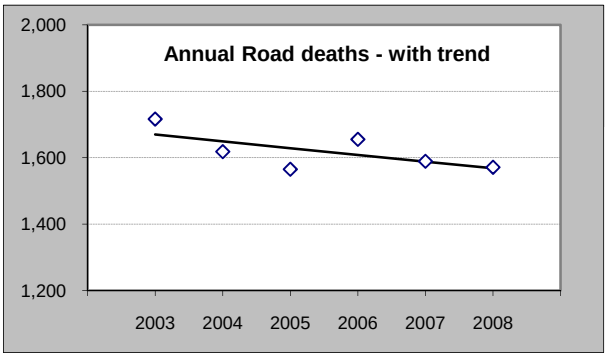
3. Estimation of five year trends

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%`