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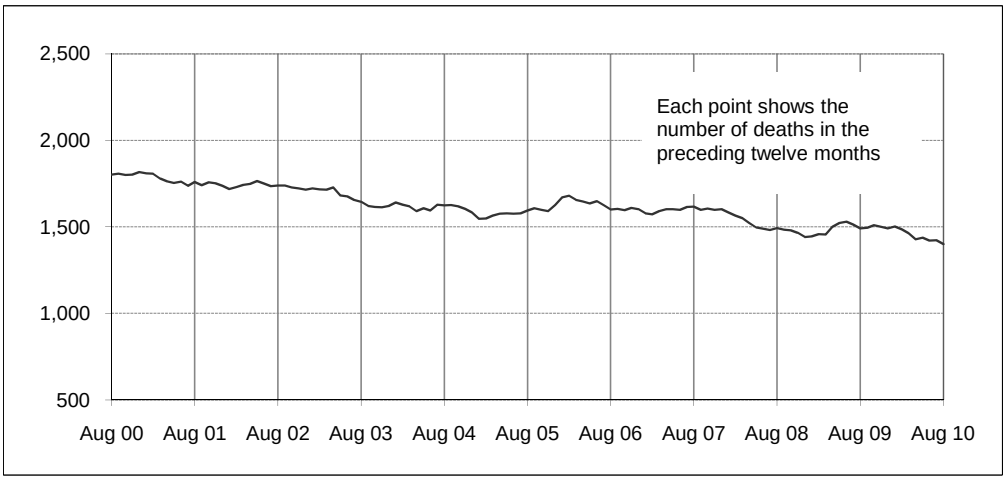
Australian Government
Department of Infrastructure, Transport, Regional Development and Local Government
Bureau of Infrastructure, Transport and Regional Economics
bitre

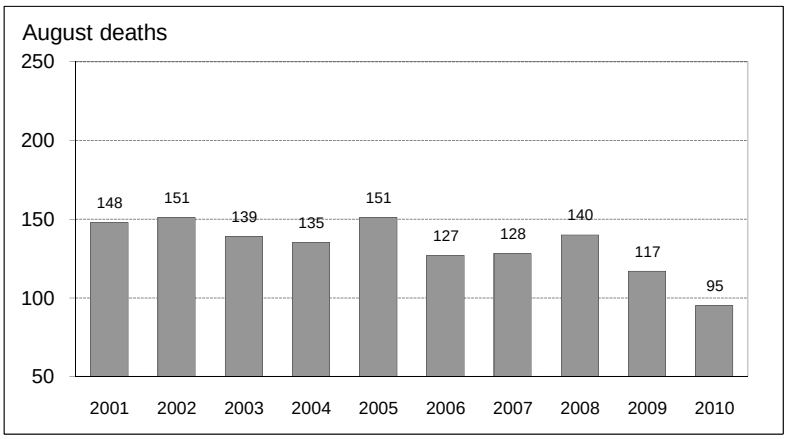
Road deaths Australia

August 2010

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



Australian road deaths for August — 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 95 road deaths in August 2010.
- this is a 18.8 per cent decrease from the August 2009 figure.

There have been 913 road deaths in 2010 to the end of August.
- this is a 9.2 per cent decrease from the same 8 month period in 2009.

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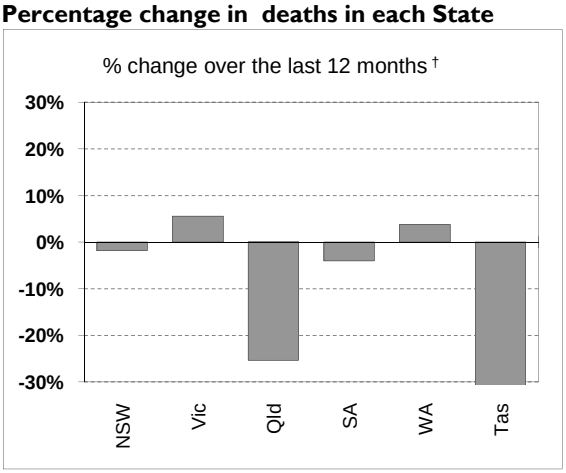
NUMBER OF ROAD CRASH DEATHS IN EACH STATE / TERRITORY

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

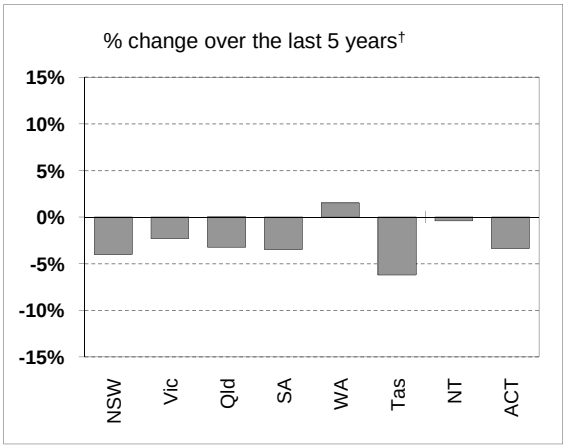
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Aug 2010	27	20	16	7	15	3	7	0	95
Aug 2009	49	21	23	9	11	2	2	0	117
% change	**-44.9**	**-4.8**	**-30.4**	**-22.2**	**36.4**	**50.0**	**250.0**	**-**	**-18.8**
Year to date									
Jan 2010 - Aug 2010	278	206	159	83	114	22	34	17	913
Jan 2009 - Aug 2009	301	193	236	84	112	53	18	8	1,005
% change	**-7.6**	**6.7**	**-32.6**	**-1.2**	**1.8**	**-58.5**	**88.9**	**112.5**	**-9.2**
12-months to date									
Sep 2009 - Aug 2010	432	303	254	118	192	33	47	21	1,400
Sep 2008 - Aug 2009	440	287	340	123	185	62	44	10	1,491
Difference	-8	16	-86	-5	7	-29	3	11	-91
% change	**-1.8**	**5.6**	**-25.3**	**-4.1**	**3.8**	**-46.8**	**6.8**	**110.0**	**-6.1**
Average annual % change over 5 years [a]									
YE August 2005 to YE August 2010	**-4.0**	**-2.3**	**-3.2**	**-3.5**	**1.5**	**-6.2**	**-0.4**	**-3.3**	**-2.7**

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 August 2010 and August 2009.
NT and ACT not shown.



‡ Average annual percentage change based on the exponential trend from the year ending August 2005 to year ending August 2010.

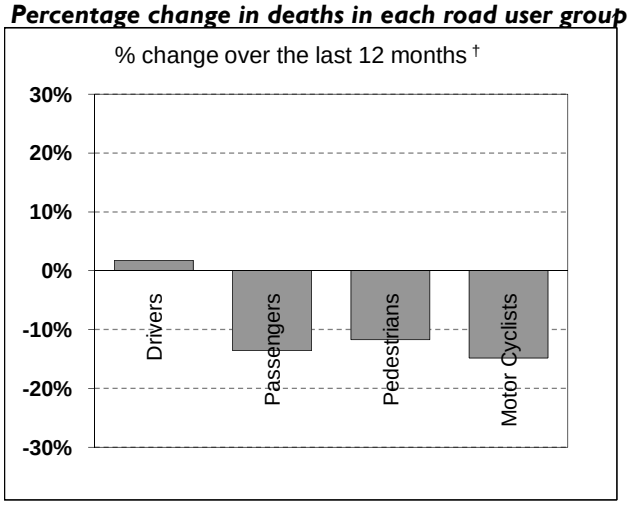
NUMBER OF DEATHS IN EACH ROAD USER GROUP

Road deaths by road user group and gender
for 12 months ended August 2010, August 2009 and five year trend

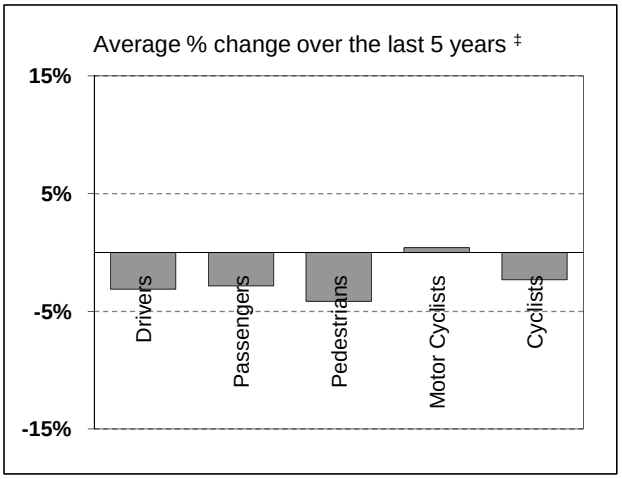
	Drivers	*Passengers*	*Pedestrians*	*Motor-cyclists* [a]	*Cyclists*	***All road users*** [b]
Males						
Sep 2009 - Aug 2010	501	155	123	199	34	1,012
Sep 2008 - Aug 2009	492	189	145	235	29	1,091
% change	**1.8**	**-18.0**	**-15.2**	**-15.3**	**17.2**	**-7.2**
Females						
Sep 2009 - Aug 2010	180	128	58	14	3	385
Sep 2008 - Aug 2009	177	140	60	15	6	398
% change	**1.7**	**-8.6**	**-3.3**	**-6.7**	**-50.0**	**-3.3**
Persons [c]						
Sep 2009 - Aug 2010	681	286	181	213	37	1,400
Sep 2008 - Aug 2009	669	331	205	250	35	1,491
% change	**1.8**	**-13.6**	**-11.7**	**-14.8**	**5.7**	**-6.1**
Average annual % change over 5 years [d]						
YE August 2005 to YE August 2010	**-3.1**	**-2.8**	**-4.1**	**0.4**	**-2.3**	**-2.7**

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 August 2010 and August 2009. Cyclists not shown.

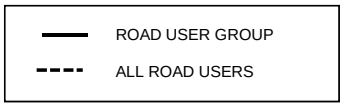


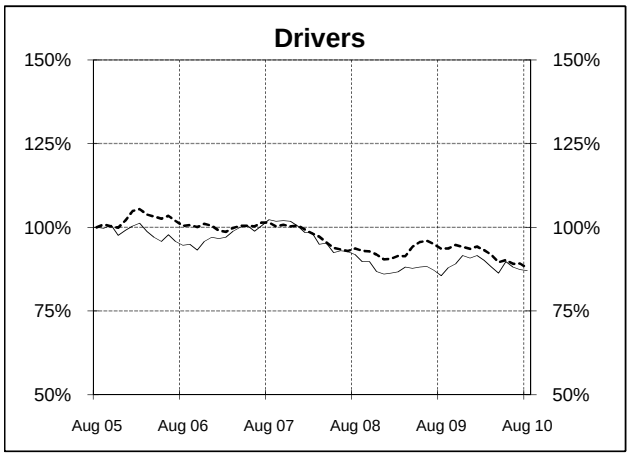
‡ Average annual percentage change based on the exponential trend from the year ending August 2005 to year ending August 2010.

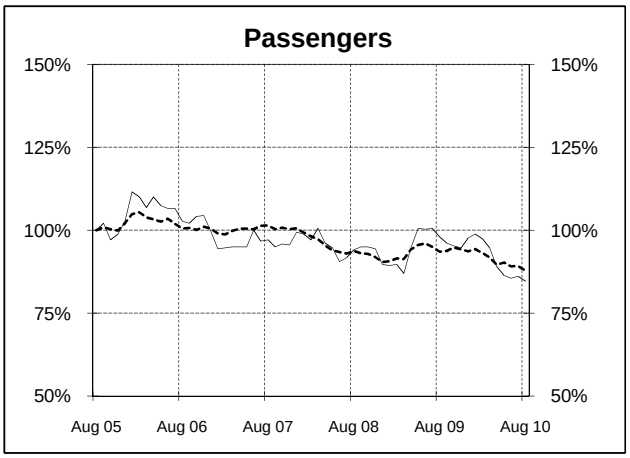
DEATHS IN EACH ROAD USER GROUP - TRENDS

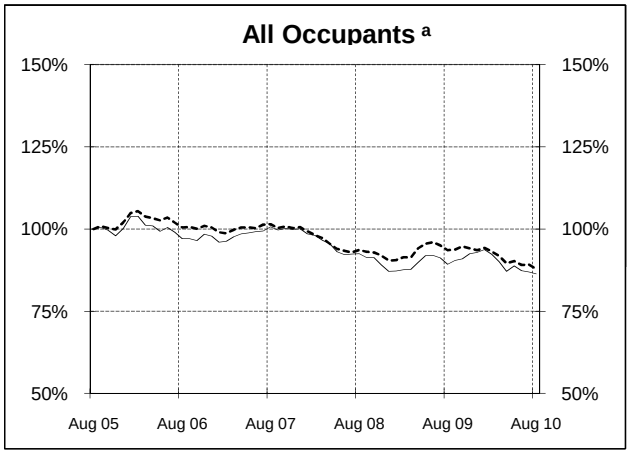
Annual deaths in each road user group - last 5 years

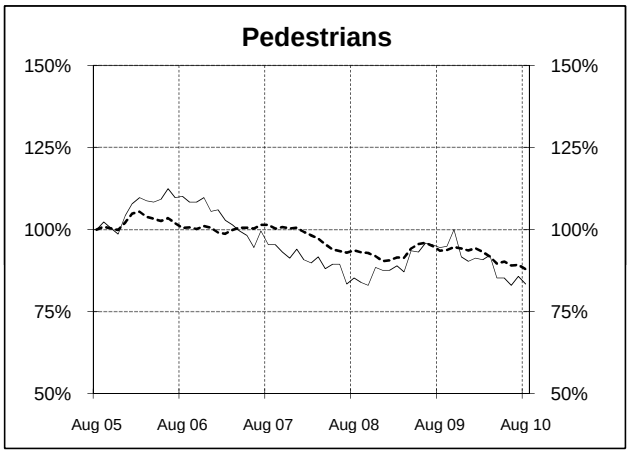
The number shown at each month represents the number of deaths in the preceding 12 months expressed as a percentage of the number of deaths in the 12 months to August 2005.

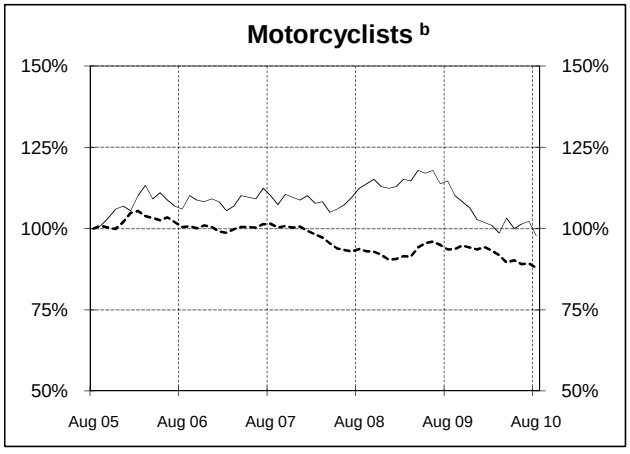


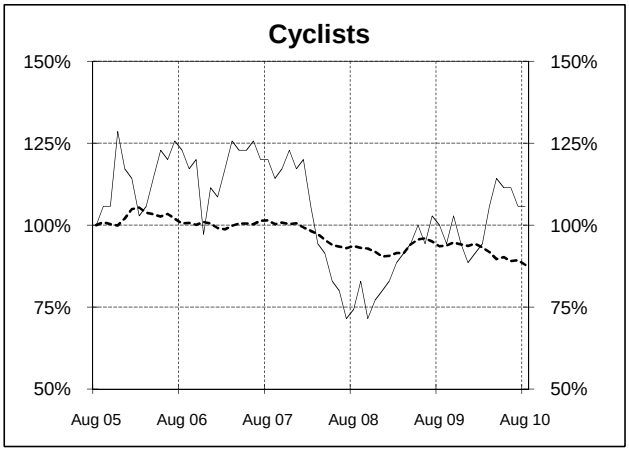












a Comprises drivers and passengers

b Includes pillion passengers

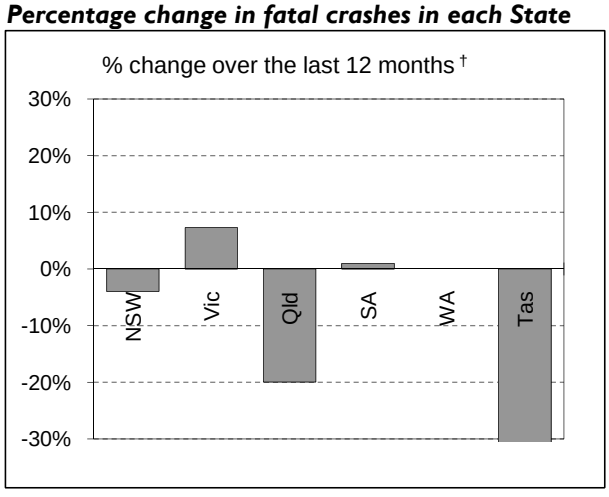
NUMBER OF FATAL ROAD CRASHES IN EACH STATE / TERRITORY

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

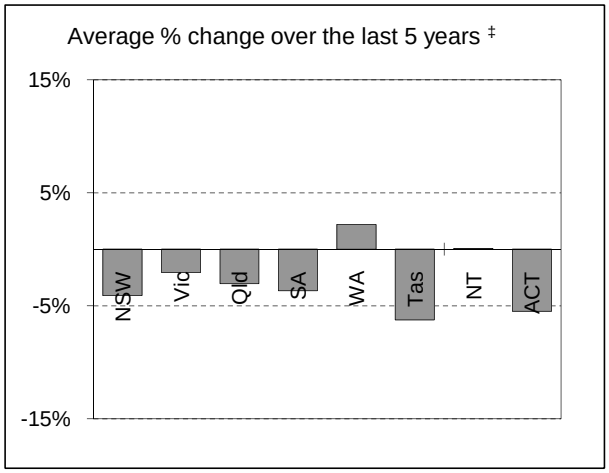
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Aug 2010	24	19	16	7	13	3	7	0	89
Aug 2009	41	20	21	8	11	2	2	0	105
% change	**-41.5**	**-5.0**	**-23.8**	**-12.5**	**18.2**	**50.0**	**250.0**	**-**	**-15.2**
Year to date									
Jan 2010 - Aug 2010	254	184	150	73	105	21	32	14	833
Jan 2009 - Aug 2009	275	172	205	71	106	42	18	7	896
% change	**-7.6**	**7.0**	**-26.8**	**2.8**	**-0.9**	**-50.0**	**77.8**	**100.0**	**-7.0**
12 months to date									
Sep 2009 - Aug 2010	388	280	241	106	175	31	45	18	1,284
Sep 2008 - Aug 2009	404	261	301	105	175	50	39	9	1,344
% change	**-4.0**	**7.3**	**-19.9**	**1.0**	**0.0**	**-38.0**	**15.4**	**100.0**	**-4.5**
Average annual % change over 5 years [a]									
YE August 2005 to YE August 2010	**-4.1**	**-2.1**	**-3.0**	**-3.7**	**2.2**	**-6.3**	**0.1**	**-5.5**	**-2.6**

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 August 2010 and August 2009.



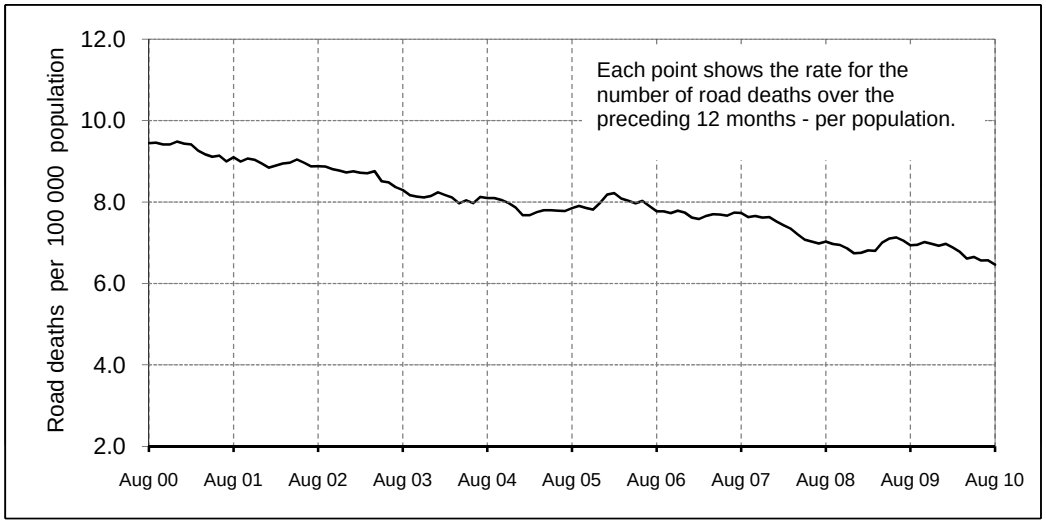
‡ Average annual percentage change based on the exponential trend from the year ending August 2005 to year ending August 2010.

ROAD DEATH RATES

Road deaths per 100,000 population

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	**Australia**
12-months to date									
Sep 2009 - Aug 2010	6.0	5.5	5.7	7.2	8.4	6.5	20.6	5.9	6.3
Sep 2008 - Aug 2009	6.2	5.3	7.8	7.6	8.3	12.4	19.7	2.9	6.8
Calendar year									
2009	6.4	5.3	7.5	7.3	8.5	12.7	13.7	3.4	6.8
2004	7.6	6.9	8.0	9.0	9.0	12.0	17.3	2.7	7.9

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 August 2010 and two years ended August 2005

	Speed limit (km/h) [a]			***Time of Day***	
	Up to 60	*65-95*	*100+*	*Day*	*Night* [b]
Sep 2008 - Aug 2010	30.9%	23.1%	46.0%	57.8%	42.2%
Sep 2003 - Aug 2005	31.7%	22.4%	45.8%	54.4%	45.6%

	Crash Type			***Day of week***	
	Pedestrian crash	*Other single veh. Crash*	*Other multiple veh. crash*	*Week day*	*Week-end* [c]
Sep 2008 - Aug 2010	14.4%	46.7%	38.9%	60.2%	39.8%
Sep 2003 - Aug 2005	15.1%	44.7%	40.2%	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 August 2010 and August 2009

	0-16 years	*17-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Males						
Sep 2009 - Aug 2010	49	247	251	275	187	1,012
Sep 2008 - Aug 2009	56	299	295	266	175	1,091
% change	**-12.5%**	**-17.4%**	**-14.9%**	**3.4%**	**6.9%**	**-7.2%**
Females						
Sep 2009 - Aug 2010	33	64	74	103	109	385
Sep 2008 - Aug 2009	41	89	70	95	103	398
% change	**-19.5%**	**-28.1%**	**5.7%**	**8.4%**	**5.8%**	**-3.3%**
Persons [b]						
Sep 2009 - Aug 2010	85	311	325	378	296	1,400
Sep 2008 - Aug 2009	99	388	365	361	278	1,491
% change	**-14.1%**	**-19.8%**	**-11.0%**	**4.7%**	**6.5%**	**-6.1%**

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]						
Sep 2009 - Aug 2010	65	242	222	227	206	967
Sep 2008 - Aug 2009	75	301	220	218	186	1,000
% change	**-13.3%**	**-19.6%**	**0.9%**	**4.1%**	**10.8%**	**-3.3%**
Motorcyclists [c]						
Sep 2009 - Aug 2010	3	39	64	98	9	213
Sep 2008 - Aug 2009	3	52	94	84	17	250
% change	**0.0%**	**-25.0%**	**-31.9%**	**16.7%**	**-47.1%**	**-14.8%**
Pedestrians						
Sep 2009 - Aug 2010	17	27	34	38	65	181
Sep 2008 - Aug 2009	17	32	42	48	66	205
% change	**0.0%**	**-15.6%**	**-19.0%**	**-20.8%**	**-1.5%**	**-11.7%**

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

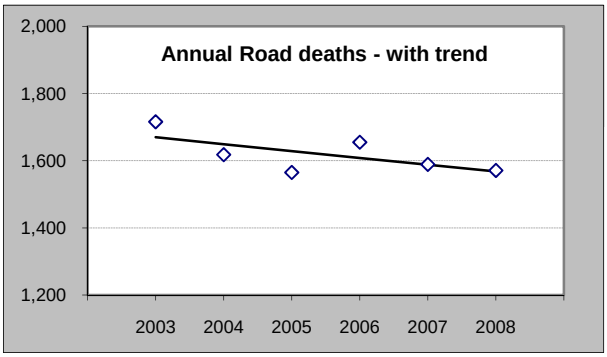
3. Estimation of five year trends

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%`