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

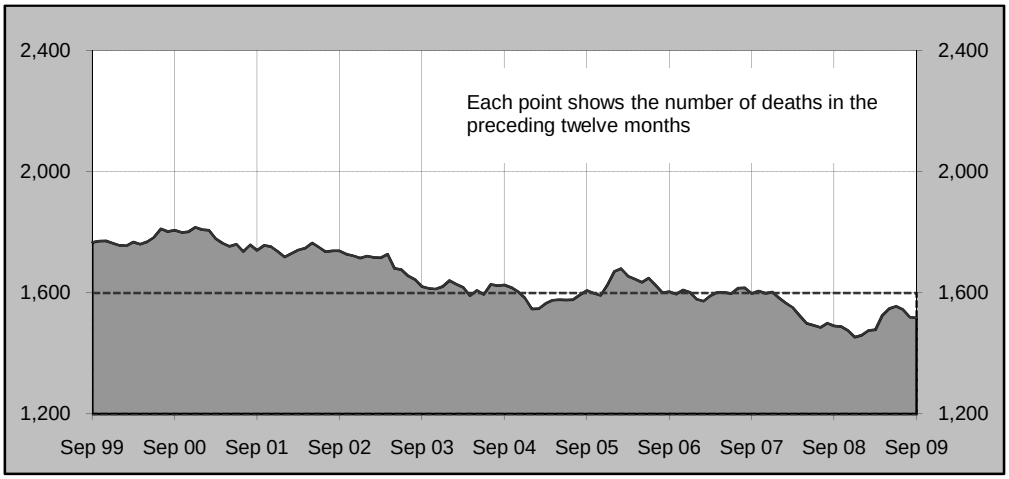
Road deaths Australia

September 2009

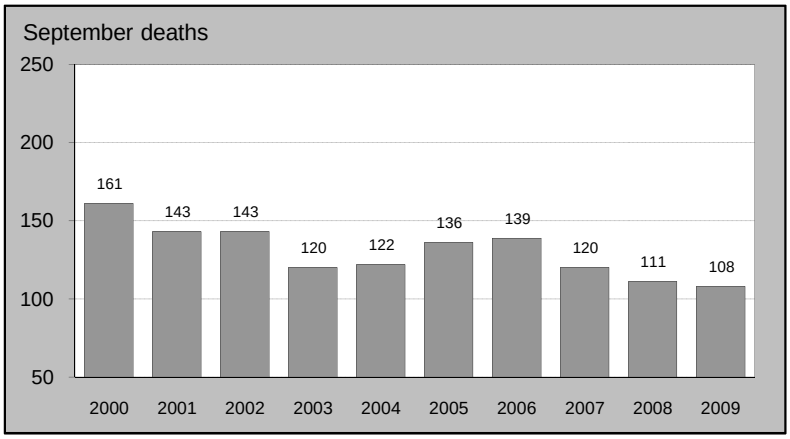
Monthly bulletin

ISSN 1449–1168

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



Australian road deaths for September — 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, Transport,
Regional Development and Local Government
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 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 108 road deaths in September 2009.
- this is a 2.7 per cent decrease from the September 2008 figure.

There have been 1,136 road deaths in 2009 to the end of September.

- this is a 5.9 per cent increase over the same 9 month period in 2008.

October 2009/INFRA-09138

NUMBER OF ROAD CRASH DEATHS IN EACH STATE / TERRITORY

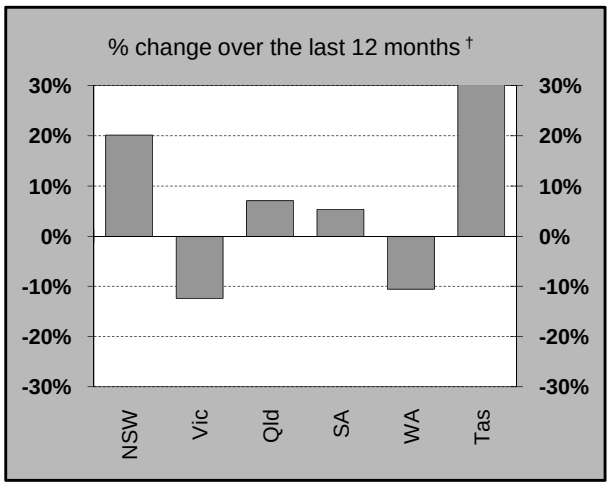
Road deaths by State/Territory

for current month, year to date, 12 months ended September, and five year trend

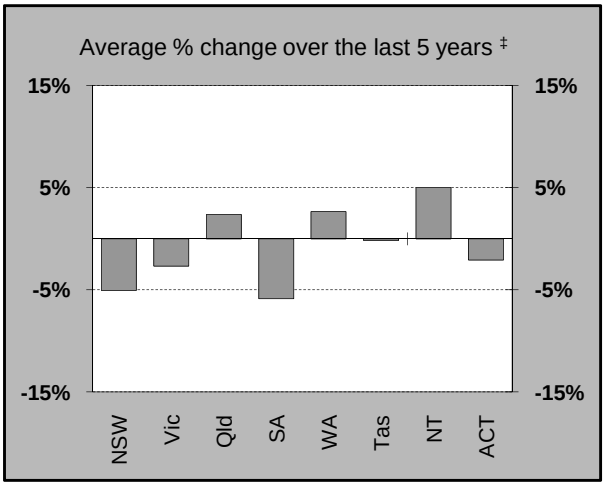
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Sep 2009	39	13	32	9	9	0	4	2	108
Sep 2008	34	18	25	14	11	0	8	1	111
% change	**14.7**	**-27.8**	**28.0**	**-35.7**	**-18.2**	**-**	**-50.0**	**100.0**	**-2.7**
Year to date									
Jan 2009 - Sep 2009	350	214	269	93	125	53	22	10	1,136
Jan 2008 - Sep 2008	276	227	249	74	147	30	57	13	1,073
% change	**26.8**	**-5.7**	**8.0**	**25.7**	**-15.0**	**76.7**	**-61.4**	**-23.1**	**5.9**
12-months to date									
Oct 2008 - Sep 2009	460	290	348	118	187	63	40	11	1,517
Oct 2007 - Sep 2008	383	331	325	112	209	37	78	16	1,491
Difference	77	-41	23	6	-22	26	-38	-5	26
% change	**20.1**	**-12.4**	**7.1**	**5.4**	**-10.5**	**70.3**	**-48.7**	**-31.3**	**1.7**
Average annual % change over 5 years [a]									
YE September 2004 to YE September 2009	**-5.1**	**-2.7**	**2.4**	**-5.9**	**2.6**	**-0.2**	**5.0**	**-2.1**	**-1.6**

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 September 2009 and September 2008. NT and ACT not shown.



‡ Average annual percentage change based on the exponential trend from the year ending September 2004 to year ending September 2009.

NUMBER OF DEATHS IN EACH ROAD USER GROUP

Road deaths by road user group and gender

for 12 months ended September 2009, September 2008 and five year trend

	Drivers	*Passengers*	*Pedestrians*	*Motor-cyclists* [a]	*Cyclists*	***All road users*** [b]
Males						
Oct 2008 - Sep 2009	530	184	154	227	30	1,126
Oct 2007 - Sep 2008	542	175	123	231	26	1,098
% change	**-2.2**	**5.1**	**25.2**	**-1.7**	**15.4**	**2.6**
Females						
Oct 2008 - Sep 2009	173	138	58	13	5	388
Oct 2007 - Sep 2008	168	145	59	17	3	392
% change	**3.0**	**-4.8**	**-1.7**	**-23.5**	**66.7**	**-1.0**
Persons [c]						
Oct 2008 - Sep 2009	704	324	212	240	35	1,517
Oct 2007 - Sep 2008	710	321	182	248	29	1,491
% change	**-0.8**	**0.9**	**16.5**	**-3.2**	**20.7**	**1.7**
Average annual % change over 5 years [d]						
YE September 2004 to YE September 2009	**-1.8**	**-3.3**	**-3.2**	**3.8**	**-2.9**	**-1.6**

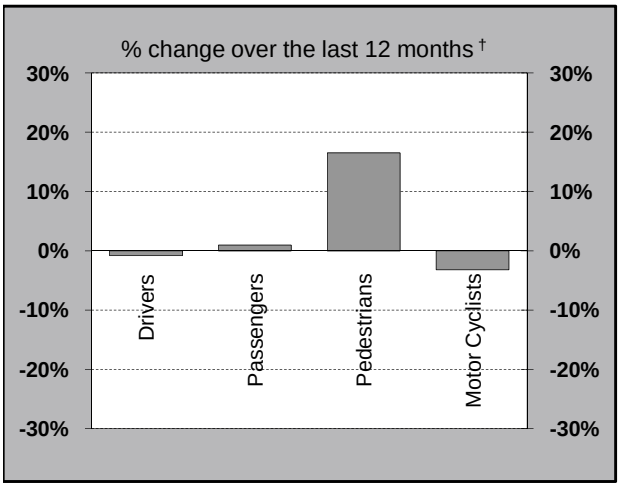
a Includes pillion passengers

b Includes road users not separately specified

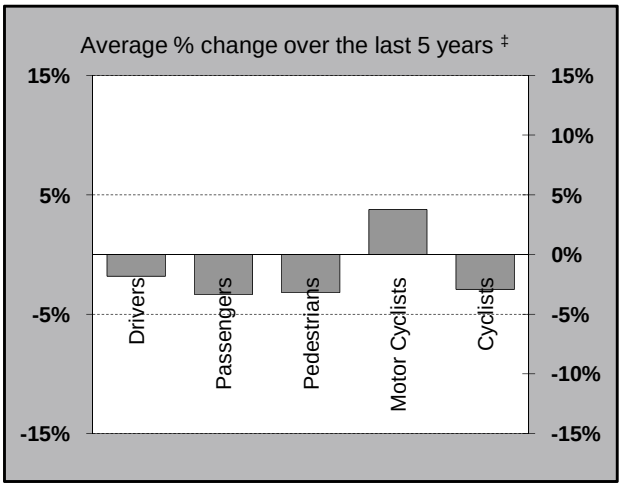
c Includes road users with unstated gender

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 September 2009 and September 2008. Cyclists not shown.

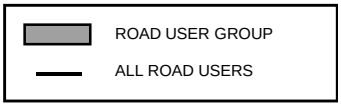


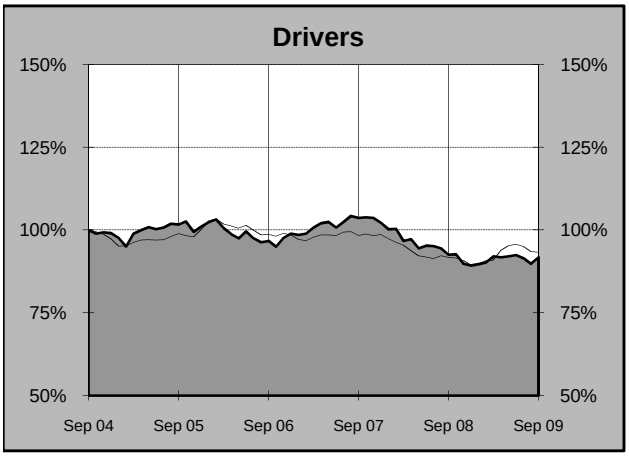
‡ Average annual percentage change based on the exponential trend from the year ending September 2004 to year ending September 2009.

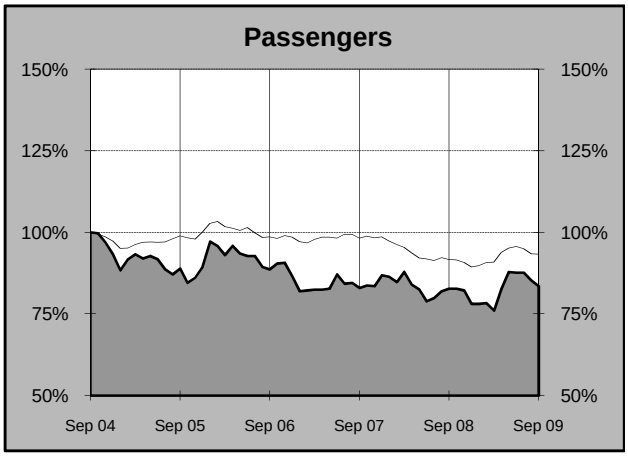
DEATHS IN EACH ROAD USER GROUP - TRENDS

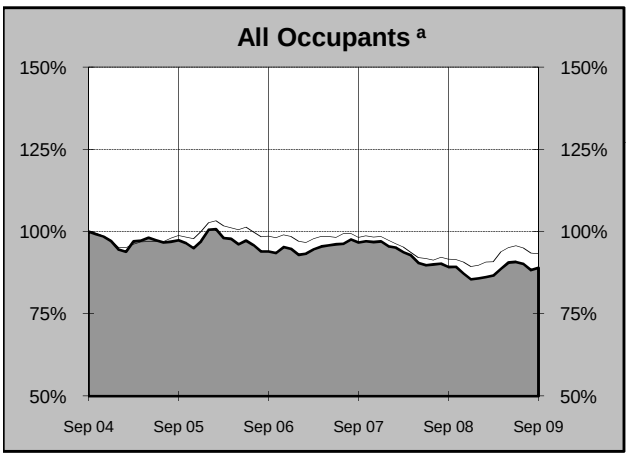
Annual deaths in each road user group - last 5 years

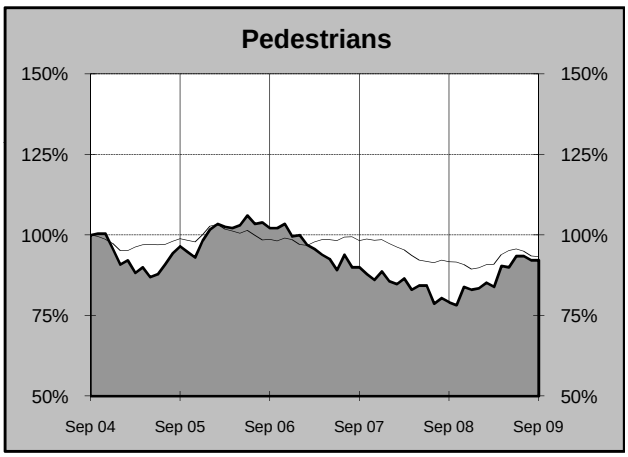
The number shown at each month represents the number of deaths in the preceding 12 months expressed as a percentage of the number of deaths in the 12 months to September 2004.

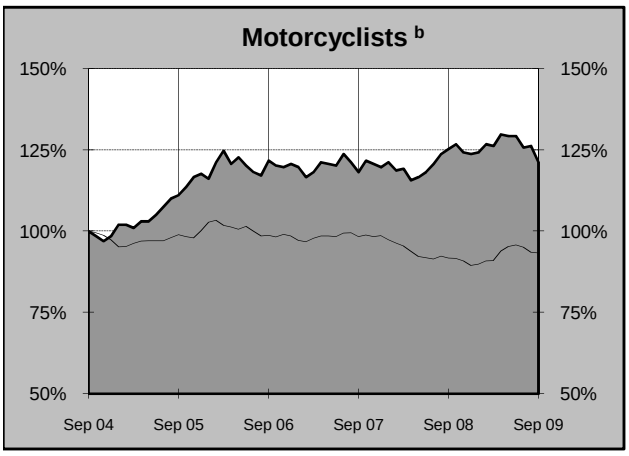


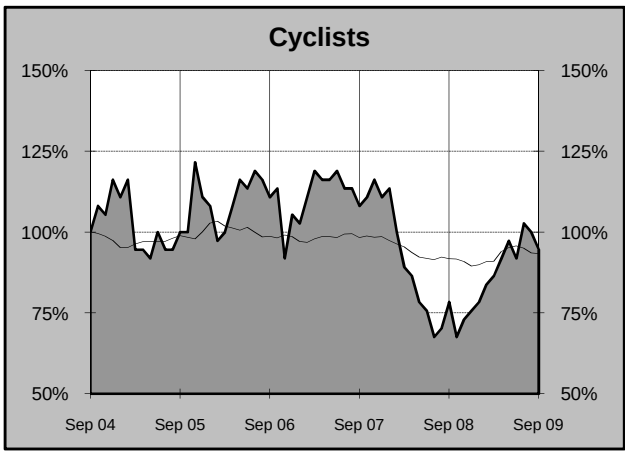












a Comprises drivers and passengers

b Includes pillion passengers

NUMBER OF FATAL ROAD CRASHES IN EACH STATE / TERRITORY

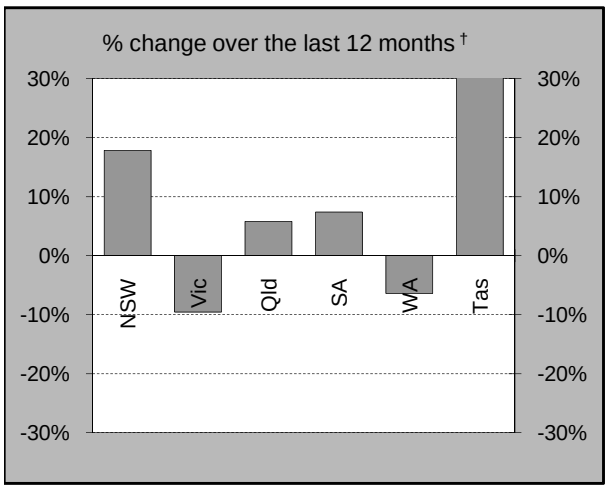
Fatal crashes by State/Territory

for current month, year to date, 12 months ended September, and five year trend.

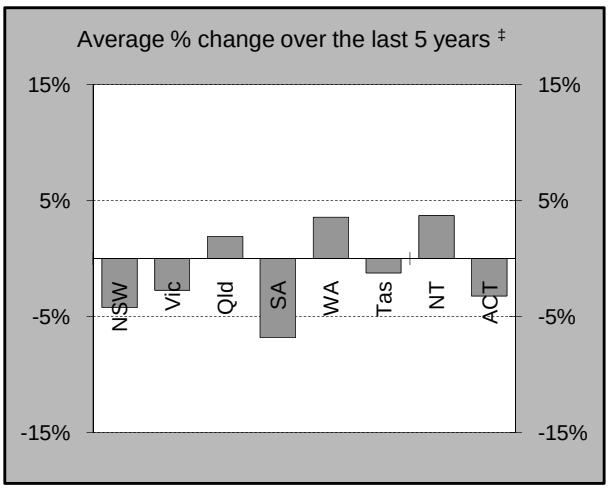
	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Current month									
Sep 2009	34	13	30	8	8	0	4	2	99
Sep 2008	30	17	22	11	11	0	7	1	99
% change	**13.3**	**-23.5**	**36.4**	**-27.3**	**-27.3**	**-**	**-42.9**	**100.0**	**0.0**
Year to date									
Jan 2009 - Sep 2009	319	193	236	79	117	42	22	9	1,017
Jan 2008 - Sep 2008	261	206	220	64	131	29	53	13	977
% change	**22.2**	**-6.3**	**7.3**	**23.4**	**-10.7**	**44.8**	**-58.5**	**-30.8**	**4.1**
12 months to date									
Oct 2008 - Sep 2009	423	265	310	102	175	51	36	10	1,372
Oct 2007 - Sep 2008	359	293	293	95	187	36	68	16	1,347
% change	**17.8**	**-9.6**	**5.8**	**7.4**	**-6.4**	**41.7**	**-47.1**	**-37.5**	**1.9**
Average annual % change over 5 years [a]									
YE September 2004 to YE September 2009	**-4.2**	**-2.7**	**1.9**	**-6.8**	**3.6**	**-1.2**	**3.7**	**-3.2**	**-1.5**

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 September 2009 and September 2008. NT and ACT not shown.



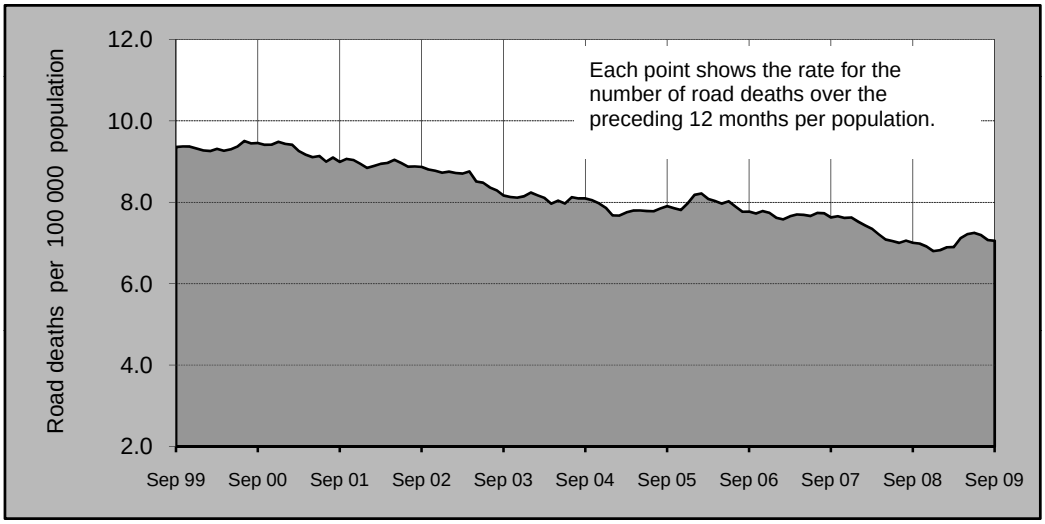
‡ Average annual percentage change based on the exponential trend from the year ending September 2004 to year ending September 2009.

ROAD DEATH RATES

Road deaths per 100,000 population

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	**Australia**
12-months to date									
Oct 2008 - Sep 2009	6.6	5.5	8.0	7.4	8.6	12.6	18.1	3.2	7.1
Oct 2007 - Sep 2008	5.5	6.3	7.6	7.0	9.7	7.4	35.7	4.7	7.0
Calendar year									
2008	5.5	5.7	7.7	6.2	9.7	8.0	34.1	4.1	6.8
2003	8.1	6.7	8.1	10.3	9.2	8.6	26.5	3.4	8.1

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 September 2009 and two years ended September 2004

	Speed limit (km/h) [a]			***Time of Day***	
	Up to 60	*65-95*	*100+*	*Day*	*Night* [b]
Oct 2007 - Sep 2009	31.5%	24.1%	44.4%	56.1%	43.9%
Oct 2002 - Sep 2004	31.7%	22.3%	46.1%	55.8%	44.2%

	Crash Type			***Day of week***	
	Pedestrian crash	*Other single veh. Crash*	*Other multiple veh. crash*	*Week day*	*Week-end* [c]
Oct 2007 - Sep 2009	14.3%	48.5%	37.3%	60.5%	39.5%
Oct 2002 - Sep 2004	15.4%	44.6%	40.0%	60.0%	40.0%

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 September 2009 and September 2008

	0-16 years	*17-20 years*	*21-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Males							
Oct 2008 - Sep 2009	63	148	154	290	282	186	1,126
Oct 2007 - Sep 2008	55	147	161	295	270	168	1,098
% change	**14.5**	**0.7**	**-4.3**	**-1.7**	**4.4**	**10.7**	**2.6**
Females							
Oct 2008 - Sep 2009	43	55	34	65	102	85	388
Oct 2007 - Sep 2008	32	47	34	69	99	111	392
% change	**34.4**	**17.0**	**0.0**	**-5.8**	**3.0**	**-23.4**	**-1.0**
Persons [b]							
Oct 2008 - Sep 2009	109	203	188	355	384	271	1,517
Oct 2007 - Sep 2008	88	194	195	364	369	279	1,491
% change	**23.9**	**4.6**	**-3.6**	**-2.5**	**4.1**	**-2.9**	**1.7**

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	*17-20 years*	*21-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [a]
Occupants [b]							
Oct 2008 - Sep 2009	80	159	144	215	238	187	**1,028**
Oct 2007 - Sep 2008	69	155	140	232	243	190	**1,031**
% change	15.9	2.6	2.9	-7.3	-2.1	-1.6	-0.3
Motorcyclists [c]							
Oct 2008 - Sep 2009	3	22	30	90	84	11	**240**
Oct 2007 - Sep 2008	2	23	38	88	75	22	**248**
% change	50.0	-4.3	-21.1	2.3	12.0	-50.0	-3.2
Pedestrians							
Oct 2008 - Sep 2009	22	21	13	42	50	62	**212**
Oct 2007 - Sep 2008	13	14	14	38	40	63	**182**
% change	69.2	50.0	-7.1	10.5	25.0	-1.6	16.5

a Includes road users with unstated age

b Comprises drivers and passengers

c Includes pillion passengers

TIME SERIES - QUARTERLY SUPPLEMENT

Road deaths by road user group, 1994 to 2008

	Drivers	*Passengers*	*Pedestrians*	*Motor-cyclists* [a]	*Cyclists*	***All road users*** [b]
1994	809	501	367	190	59	1,928
1995	874	491	398	204	48	2,017
1996	869	499	351	193	57	1,970
1997	776	431	328	177	52	1,767
1998	741	468	318	181	44	1,755
1999	820	428	299	176	40	1,764
2000	852	450	287	191	31	1,817
2001	776	407	290	216	46	1,737
2002	785	422	249	224	34	1,715
2003	747	420	232	188	26	1,621
2004	760	362	220	195	43	1,583
2005	775	347	226	233	41	1,627
2006	759	336	229	239	39	1,602
2007	784	337	204	237	41	1,603
2008	685	303	191	245	28	1,454

a Includes pillion passengers

b Includes road users not separately specified

Road deaths by State/Territory, 1994 to 2008

	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
1994	646	377	418	159	211	59	41	17	1,928
1995	620	418	456	181	209	57	61	15	2,017
1996	581	417	385	181	247	64	72	23	1,970
1997	576	377	360	148	197	32	60	17	1,767
1998	556	390	279	168	223	48	69	22	1,755
1999	577	383	314	151	218	53	49	19	1,764
2000	603	407	317	166	212	43	51	18	1,817
2001	524	444	324	153	165	61	50	16	1,737
2002	561	397	322	154	179	37	55	10	1,715
2003	539	330	310	157	180	41	53	11	1,621
2004	510	343	311	139	178	58	35	9	1,583
2005	508	346	330	148	163	51	55	26	1,627
2006	496	337	335	117	203	55	46	13	1,602
2007	435	332	360	124	235	45	58	14	1,603
2008	386	303	328	99	209	40	75	14	1,454

DEATH RATES - QUARTERLY SUPPLEMENT

Road death rates by State/Territory

	NSW	*Vic*	*Qld*	*SA*	*WA*	*Tas*	*NT*	*ACT*	***Australia***
Per capita [a]									
2008	5.54	5.72	7.66	6.18	9.66	8.03	34.10	4.07	6.80
2003	8.08	6.70	8.14	10.25	9.22	8.58	26.49	3.38	8.15
Per vehicle [b]									
2008	0.85	0.77	1.03	0.84	1.20	1.02	6.10	0.58	0.95
2003	1.37	0.94	1.21	1.46	1.25	1.21	5.08	0.52	1.23

a Annual deaths per 100,000 population: 2008 at June 30 (preliminary data); 2003 at June 30 (revised data) taken from ABS catalogue 3201.0

b Annual deaths per 10,000 registered motor vehicles at 31 March taken from ABS catalogue 9309.0.

DEATHS BY AGE AND ROAD USER GROUP - QUARTERLY SUPPLEMENT

Road deaths by road user group and age

for 12 months ended September 2009, September 2008 and five year trend

	0-16 years	*17-20 years*	*21-25 years*	*26-39 years*	*40-59 years*	*60+ years*	***All deaths*** [d]
Drivers							
Oct 2008 - Sep 2009	11	94	90	173	198	135	704
Oct 2007 - Sep 2008	4	98	96	177	198	136	710
% change	175.0	-4.1	-6.3	-2.3	0.0	-0.7	-0.8
Ave annual % change [a] *YE Sep 2004 to YE Sep 2009*	3.4	-1.4	-3.3	-2.6	0.4	-3.5	-1.8
Passengers							
Oct 2008 - Sep 2009	69	65	54	42	40	52	324
Oct 2007 - Sep 2008	65	57	44	55	45	54	321
% change	6.2	14.0	22.7	-23.6	-11.1	-3.7	0.9
Ave annual % change [a] *YE Sep 2004 to YE Sep 2009*	-3.0	-5.9	2.9	0.5	-4.8	-6.3	-3.3
Pedestrians							
Oct 2008 - Sep 2009	22	21	13	42	50	62	212
Oct 2007 - Sep 2008	13	14	14	38	40	63	182
% change	69.2	50.0	-7.1	10.5	25.0	-1.6	16.5
Ave annual % change [a] *YE Sep 2004 to YE Sep 2009*	-4.3	3.0	-5.2	-2.0	-0.9	-6.1	-3.2
Motorcyclists [b]							
Oct 2008 - Sep 2009	3	22	30	90	84	11	240
Oct 2007 - Sep 2008	2	23	38	88	75	22	248
% change	50.0	-4.3	-21.1	2.3	12.0	-50.0	-3.2
Ave annual % change [a] *YE Sep 2004 to YE Sep 2009*	-19.8	4.9	-3.2	2.9	9.2	7.9	3.8
Cyclists							
Oct 2008 - Sep 2009	4	1	1	8	11	10	35
Oct 2007 - Sep 2008	4	1	3	6	11	4	29
All road users [c]							
Oct 2008 - Sep 2009	109	203	188	355	384	271	1,517
Oct 2007 - Sep 2008	88	194	195	364	369	279	1,491
% change	23.9	4.6	-3.6	-2.5	4.1	-2.9	1.7
Ave annual % change [a] *YE Sep 2004 to YE Sep 2009*	-4.5	-2.1	-2.0	-0.8	1.0	-4.1	-1.6

a This represents the average annual exponential change between the annual count of 5-years ago and the current annual count

b Includes pillion passengers

c Includes road users not separately classified

d Includes deaths with unstated age

Road deaths by road user group and State/Territory
for 12 months ended September 2009, September 2008 and five year trend

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	**Australia**
Drivers									
Oct 2008 - Sep 2009	221	138	154	56	84	28	18	5	704
Oct 2007 - Sep 2008	207	158	141	54	98	22	27	3	710
% change	6.8	-12.7	9.2	3.7	-14.3	27.3	-33.3	-	-0.8
Ave annual % change [a] *Sep 2004 to Sep 2009*	-3.2	-2.6	1.1	-7.9	1.0	-0.9	5.7	-9.1	-1.8
Passengers									
Oct 2008 - Sep 2009	89	53	76	34	39	20	9	4	324
Oct 2007 - Sep 2008	64	65	68	30	55	8	26	5	321
% change	39.1	-18.5	11.8	13.3	-29.1	150.0	-65.4	-	0.9
Ave annual % change [a] *Sep 2004 to Sep 2009*	-9.7	-6.8	0.8	0.8	0.6	0.1	5.2	-	-3.3
Pedestrians									
Oct 2008 - Sep 2009	64	54	44	12	24	4	9	1	212
Oct 2007 - Sep 2008	47	52	32	14	17	1	16	3	182
% change	36.2	3.8	37.5	-14.3	41.2	300.0	-43.8	-	16.5
Ave annual % change [a] *Sep 2004 to Sep 2009*	-10.3	0.7	0.4	-0.4	1.6	2.0	5.2	-16.6	-3.2
Motorcyclists [b]									
Oct 2008 - Sep 2009	70	37	67	15	38	9	3	1	240
Oct 2007 - Sep 2008	56	48	75	13	36	6	9	5	248
% change	25.0	-22.9	-10.7	15.4	5.6	50.0	-66.7	-	-3.2
Ave annual % change [a] *Sep 2004 to Sep 2009*	0.7	-0.4	9.9	-10.7	12.5	5.0	-	-	3.8
Cyclists									
Oct 2008 - Sep 2009	15	8	7	1	2	2	0	0	35
Oct 2007 - Sep 2008	9	8	9	1	2	0	0	0	29
All road users [c]									
Oct 2008 - Sep 2009	460	290	348	118	187	63	40	11	1,517
Oct 2007 - Sep 2008	383	331	325	112	209	37	78	16	1,491
% change	20.1	-12.4	7.1	5.4	-10.5	70.3	-48.7	-31.3	1.7
Ave annual % change [a] *Sep 2004 to Sep 2009*	-5.1	-2.7	2.4	-5.9	2.6	-0.2	5.0	-2.1	-1.6

a This represents the average annual exponential change between the annual count of 5-years ago and the current annual count
b Includes pillion passengers
c Includes road users not separately classified

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

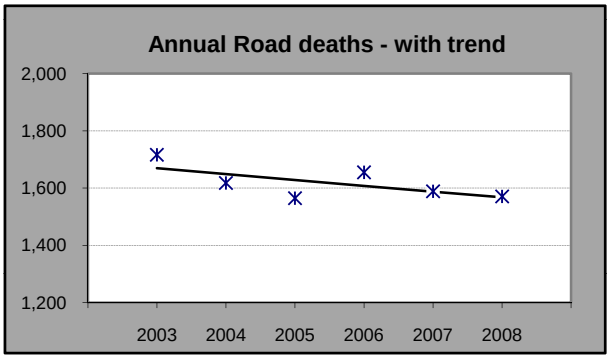
3. Estimation of five year trends

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%`