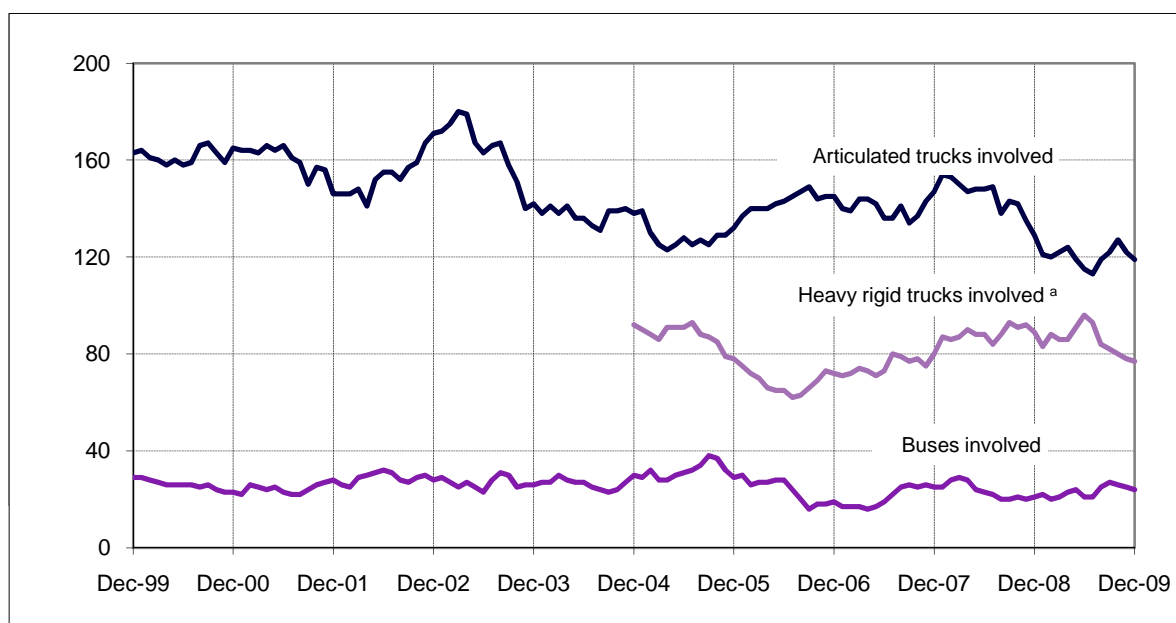




Fatal crashes involving heavy vehicles, Australia, 12 month rolling total – Ten years ended December 2009

Each point shows the number of fatal crashes in the preceding 12 months



^a Data unavailable prior to 2004.

Key features

- During the 12 months to the end of December 2009, 246 people died from 211 crashes involving heavy trucks or buses. These included:
 - 144 deaths from 119 crashes involving articulated trucks,
 - 81 deaths from 77 crashes involving heavy rigid trucks,
 - 30 deaths from 24 crashes involving buses^b.
- Fatal crashes involving articulated trucks:
 - decreased by 7.8 per cent compared with the previous 12-month period,
 - decreased by an average of 7.0 per cent per year over the three years to December 2009.
- Fatal crashes involving heavy rigid trucks:
 - decreased by 13.5 per cent compared with the previous 12-month period,
 - increased by an average of 3.1 per cent per year over the three years to December 2009.

^b Figures sum to more than the total because some crashes involved more than one type of heavy vehicle.

ARTICULATED TRUCKS – FATAL CRASHES

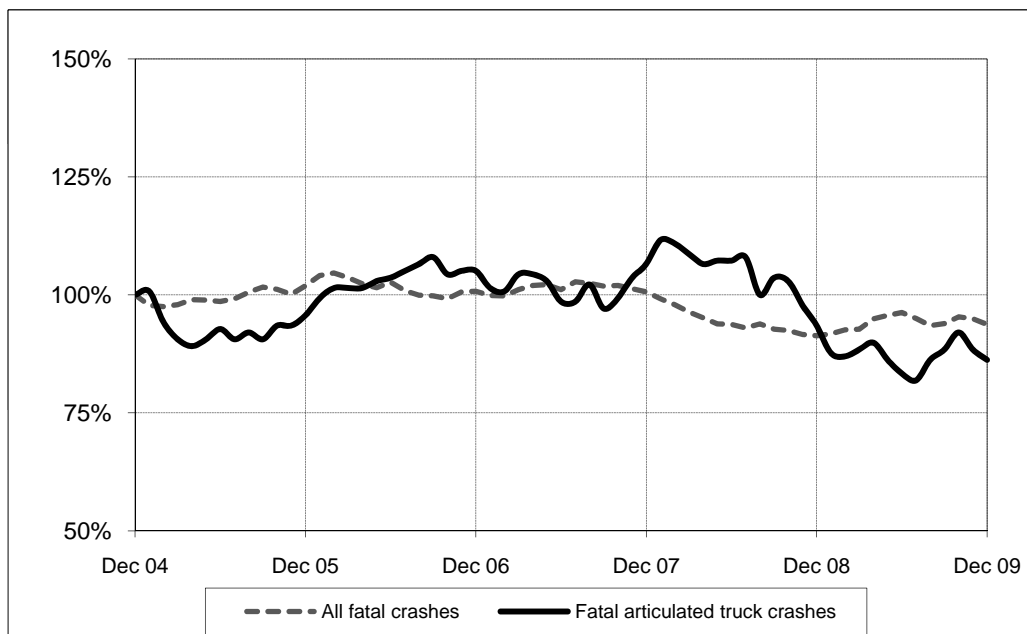
Fatal crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2004	57	35	13	10	17	4	2	0	138
2005	45	28	27	15	11	5	1	0	132
2006	57	26	34	9	12	5	2	0	145
2007	53	30	38	6	14	4	2	0	147
2008	47	20	35	9	9	6	3	0	129
2009	34	17	38	9	10	10	1	0	119
Quarters									
2007									
December	18	10	12	2	5	3	0	0	50
2008									
March	11	9	16	2	0	0	0	0	38
June	10	1	6	4	4	3	0	0	28
September	11	2	5	3	3	2	1	0	27
December	15	8	8	0	2	1	2	0	36
2009									
March	7	8	9	3	0	4	0	0	31
June	9	2	4	1	3	2	0	0	21
September	11	3	14	2	1	2	1	0	34
December	7	4	11	3	6	2	0	0	33
Year Ended (YE)									
December 2008	47	20	35	9	9	6	3	0	129
December 2009	34	17	38	9	10	10	1	0	119
% change	-27.7	-15.0	8.6	0.0	11.1	66.7	-66.7	-	-7.8
Average annual % change over 3 years ^a									
YE Dec 2006									
to YE Dec 2009	-15.4	-15.5	2.5	4.1	-9.4	28.2	-15.4	-	-7.0

^a Average annual percentage change based on the exponential trend for the last three 12-month periods.

Index of fatal crashes involving articulated trucks in Australia – Five years ended December 2009

Each point shows the number of fatal crashes in the preceding 12 months expressed as a percentage of the number of fatal crashes in the 12 months to the end of December 2004.



ARTICULATED TRUCKS - DEATHS

Deaths from crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2004	64	37	13	13	18	4	2	0	151
2005	52	32	35	17	13	5	1	0	155
2006	69	31	37	10	14	7	2	0	170
2007	59	48	41	7	20	5	2	0	182
2008	53	21	46	10	11	6	3	0	150
2009	48	20	40	11	12	12	1	0	144
Quarters									
2007									
December	23	12	13	2	8	3	0	0	61
2008									
March	14	10	21	2	0	0	0	0	47
June	11	1	7	4	6	3	0	0	32
September	13	2	7	4	3	2	1	0	32
December	15	8	11	0	2	1	2	0	39
2009									
March	8	9	9	4	0	4	0	0	34
June	9	3	5	1	3	2	0	0	23
September	14	4	15	3	1	4	1	0	42
December	17	4	11	3	8	2	0	0	45
Year Ended (YE)									
December 2008	53	21	46	10	11	6	3	0	150
December 2009	48	20	40	11	12	12	1	0	144
% change	-9.4	-4.8	-13.0	10.0	9.1	100.0	-66.7	-	-4.0
Average annual % change over 3 years ^a									
YE Dec 2006									
to YE Dec 2009	-11.3	-19.3	3.6	6.6	-10.1	19.7	-15.4	-	-6.7

a Average annual percentage change based on the exponential trend for the last three 12-month periods.

Deaths from crashes involving articulated trucks by State/Territory by road user - Year ended December 2009

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	27	13	33	8	6	8	0	0	95
Passengers ^b	13	4	4	2	0	2	0	0	25
Pedestrians	8	2	2	1	5	2	1	0	21
Motor cyclists ^c	0	1	1	0	1	0	0	0	3
Cyclists	0	0	0	0	0	0	0	0	0
All road users ^d	48	20	40	11	12	12	1	0	144

b Includes drivers/passengers of light vehicles

c Includes pillion passengers

d Includes road users not separately specified

Deaths from crashes involving articulated trucks by State/Territory by crash type - Year ended December 2009

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	8	2	2	1	5	2	1	0	21
Other single vehicle crashes	7	5	13	1	1	3	0	0	30
Multiple vehicle crashes	33	13	25	9	6	7	0	0	93
All crash types	48	20	40	11	12	12	1	0	144

HEAVY RIGID TRUCKS - FATAL CRASHES

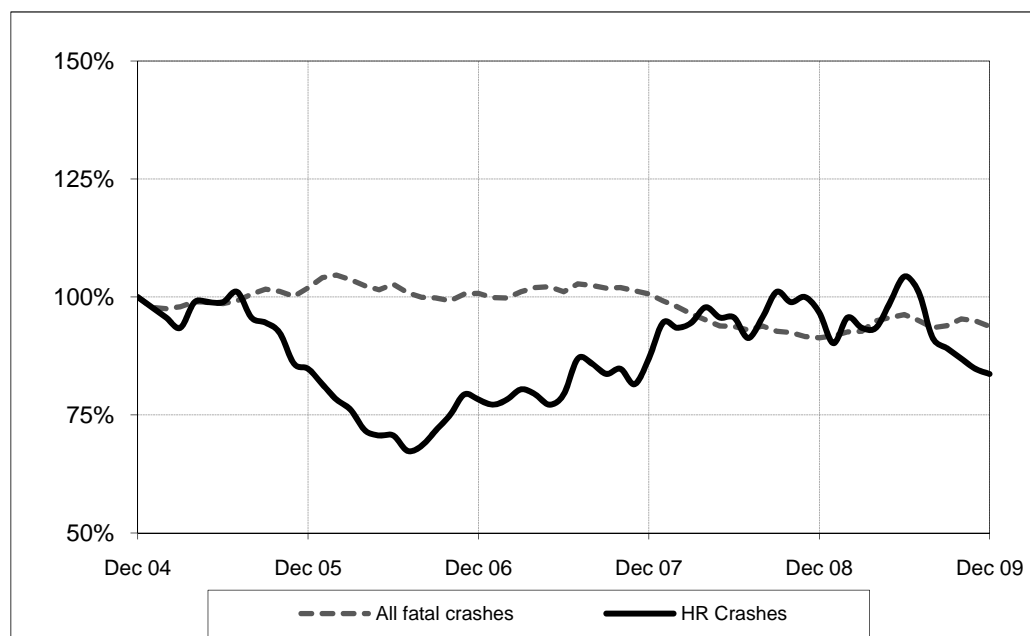
Fatal crashes involving heavy rigid trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2004	30	25	19	7	7	4	0	0	92
2005	26	28	10	3	7	2	1	1	78
2006	24	15	15	5	8	3	1	1	72
2007	28	24	10	5	10	1	1	1	80
2008	12	26	21	9	17	2	2	0	89
2009	23	19	13	2	19	1	0	0	77
Quarters									
2007									
December	11	8	1	0	3	0	0	0	23
2008									
March	2	8	6	3	2	1	1	0	23
June	2	9	3	1	4	0	0	0	19
September	6	4	8	2	8	0	0	0	28
December	2	5	4	3	3	1	1	0	19
2009									
March	3	5	3	1	7	1	0	0	20
June	12	6	6	0	5	0	0	0	29
September	5	4	3	1	1	0	0	0	14
December	3	4	1	0	6	0	0	0	14
Year Ended (YE)									
December 2008	12	26	21	9	17	2	2	0	89
December 2009	23	19	13	2	19	1	0	0	77
% change	91.7	-26.9	-38.1	-77.8	11.8	-50.0	-100.0	-	-13.5
Average annual % change over 3 years ^a									
YE Dec 2006									
to YE Dec 2009	-9.3	8.2	3.2	-19.4	36.7	-22.9	-	-	3.1

^a Average annual percentage change based on the exponential trend for the last three 12-month periods.

Index of fatal crashes involving heavy rigid trucks in Australia - Five years ended December 2009

Each point shows the number of fatal crashes in the preceding 12 months expressed as a percentage of the number of fatal crashes in the 12 months to the end of December 2004.



HEAVY RIGID TRUCKS - DEATHS

Deaths from crashes involving heavy rigid trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2004	38	30	22	7	7	4	0	0	108
2005	28	33	13	3	7	2	1	1	88
2006	30	15	16	5	9	3	1	1	80
2007	29	26	11	5	10	1	2	1	85
2008	12	27	24	10	18	2	2	0	95
2009	24	20	13	2	21	1	0	0	81
Quarters									
2007									
December	11	9	1	0	3	0	0	0	24
2008									
March	2	9	7	3	2	1	1	0	25
June	2	9	4	1	5	0	0	0	21
September	6	4	9	3	8	0	0	0	30
December	2	5	4	3	3	1	1	0	19
2009									
March	3	6	3	1	7	1	0	0	21
June	12	6	6	0	6	0	0	0	30
September	6	4	3	1	1	0	0	0	15
December	3	4	1	0	7	0	0	0	15
Year Ended (YE)									
December 2008	12	27	24	10	18	2	2	0	95
December 2009	24	20	13	2	21	1	0	0	81
% change	100.0	-25.9	-45.8	-80.0	16.7	-50.0	-100.0	-	-14.7
Average annual % change over 3 years ^a									
YE Dec 2006									
to YE Dec 2009	-14.4	9.4	1.6	-18.6	36.7	-22.9	-	-	1.5

a Average annual percentage change based on the exponential trend for the last three 12-month periods.

Deaths from crashes involving heavy rigid trucks by State/Territory by road user - Year ended December 2009

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	11	13	9	1	12	0	0	0	46
Passengers ^b	3	1	1	1	5	1	0	0	12
Pedestrians	6	3	0	0	2	0	0	0	11
Motor cyclists ^c	2	2	3	0	2	0	0	0	9
Cyclists	2	1	0	0	0	0	0	0	3
All road users ^d	24	20	13	2	21	1	0	0	81

b Includes drivers/passengers of light vehicles

c Includes pillion passengers

d Includes road users not separately specified

Deaths from crashes involving heavy rigid trucks by State/Territory by crash type - Year ended December 2009

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	6	3	0	0	2	0	0	0	11
Other single vehicle crashes	0	2	3	0	2	0	0	0	7
Multiple vehicle crashes	18	15	10	2	17	1	0	0	63
All crash types	24	20	13	2	21	1	0	0	81

BUSES - FATAL CRASHES

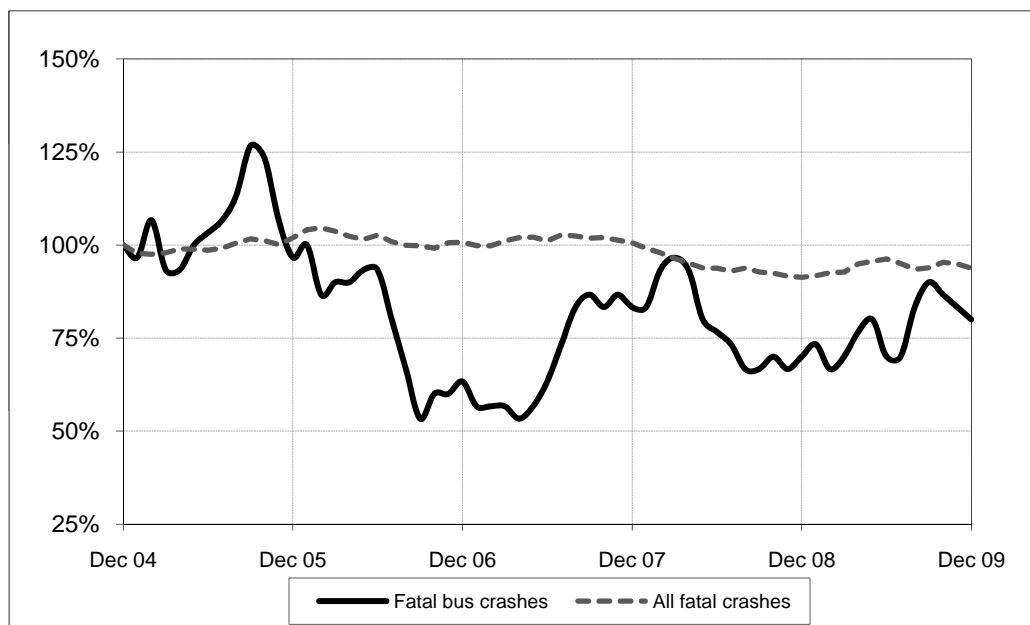
Fatal crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2004	15	6	6	2	0	0	0	1	30
2005	15	4	7	1	2	0	0	0	29
2006	7	3	5	1	1	1	1	0	19
2007	11	4	7	1	2	0	0	0	25
2008	5	4	8	1	3	0	0	0	21
2009	7	6	8	2	0	1	0	0	24
Quarters									
2007									
December	3	0	1	0	0	0	0	0	4
2008									
March	2	2	2	0	1	0	0	0	7
June	0	1	2	0	1	0	0	0	4
September	2	1	2	0	0	0	0	0	5
December	1	0	2	1	1	0	0	0	5
2009									
March	0	2	3	2	0	0	0	0	7
June	1	1	2	0	0	0	0	0	4
September	5	3	3	0	0	0	0	0	11
December	1	0	0	0	0	1	0	0	2
Year Ended (YE)									
December 2008	5	4	8	1	3	0	0	0	21
December 2009	7	6	8	2	0	1	0	0	24
% change	40.0	50.0	0.0	-	-100.0	-	-	-	14.3
Average annual % change over 3 years ^a									
YE Dec 2006									
to YE Dec 2009	-7.6	23.1	16.7	23.1	-	-	-	-	5.4

^a Average annual percentage change based on the exponential trend for the last three 12-month periods.

Index of fatal crashes involving buses in Australia - Five years ended December 2009

Each point shows the number of fatal crashes in the preceding 12 months expressed as a percentage of the number of fatal crashes in the 12 months to the end of December 2004.



BUSES - DEATHS

Deaths from crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2004	15	6	6	2	0	0	0	1	30
2005	21	5	9	1	2	0	0	0	38
2006	7	3	5	1	1	1	2	0	20
2007	11	4	7	1	2	0	0	0	25
2008	5	4	9	1	3	0	0	0	22
2009	8	9	10	2	0	1	0	0	30
Quarters									
2007									
December	3	0	1	0	0	0	0	0	4
2008									
March	2	2	3	0	1	0	0	0	8
June	0	1	2	0	1	0	0	0	4
September	2	1	2	0	0	0	0	0	5
December	1	0	2	1	1	0	0	0	5
2009									
March	0	2	3	2	0	0	0	0	7
June	1	4	3	0	0	0	0	0	8
September	6	3	4	0	0	0	0	0	13
December	1	0	0	0	0	1	0	0	2
Year Ended (YE)									
December 2008	5	4	9	1	3	0	0	0	22
December 2009	8	9	10	2	0	1	0	0	30
% change	60.0	125.0	11.1	-	-100.0	-	-	-	36.4
Average annual % change over 3 years ^a									
YE December 2006									
to YE December 2009	-3.8	39.0	26.2	23.1	-	-	-	-	11.5

a Average annual percentage change based on the exponential trend for the last three 12-month periods.

Deaths from crashes involving buses by State/Territory by road user - Year ended December 2009

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	3	1	2	2	0	0	0	0	8
Passengers ^b	2	7	2	0	0	1	0	0	12
Pedestrians	3	0	4	0	0	0	0	0	7
Motor cyclists ^c	0	0	2	0	0	0	0	0	2
Cyclists	0	1	0	0	0	0	0	0	1
All road users ^d	8	9	10	2	0	1	0	0	30

b Includes drivers/passengers of light vehicles

c Includes pillion passengers

d Includes road users not separately specified

Deaths from crashes involving buses by State/Territory by crash type - Year ended December 2009

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	3	0	4	0	0	0	0	0	7
Other single vehicle crashes	1	6	2	0	0	0	0	0	9
Multiple vehicle crashes	4	3	4	2	0	1	0	0	14
All crash types	8	9	10	2	0	1	0	0	30

VEHICLE OCCUPIED - DEATHS IN CRASHES INVOLVING A HEAVY TRUCK

The tables below classify numbers of deaths by the type of vehicle which was occupied or ridden (or pedestrian) in which the deceased person was situated.

All crashes involve a heavy truck. Thus, for single vehicle crashes the killed person was an occupant of the truck. For multiple vehicle crashes, the data is separated into occupants of the heavy vehicle and those in / on a light vehicle.

Crashes involving articulated trucks are shown first, followed by crashes involving heavy rigid trucks. It should be noted that over the five years, approximately 20 crashes involved both types of truck. These are included in each table.

Deaths in crashes involving an articulated truck – Australia

Calendar year	Single Vehicle Crash	Multiple Vehicle Crash		Pedestrian Crash	Total
		Occupant of Light	Occupant of Heavy		
2004	27	88	20	14	149
2005	28	106	9	11	154
2006	24	111	8	21	164
2007	33	93	12	19	157
2008	23	78	17	18	136

Calendar year	Single Vehicle Crash	Multiple Vehicle Crash		Pedestrian Crash	Total
		Occupant of Light	Occupant of Heavy		
2004	18%	59%	13%	9%	100%
2005	18%	69%	6%	7%	100%
2006	15%	68%	5%	13%	100%
2007	21%	59%	8%	12%	100%
2008	17%	57%	13%	13%	100%

VEHICLE OCCUPIED - DEATHS IN CRASHES INVOLVING A HEAVY TRUCK

Deaths in crashes involving a heavy rigid truck – Australia

Calendar year	Single Vehicle Crash	Multiple Vehicle Crash		Pedestrian Crash	Total
		Occupant of Light	Occupant of Heavy		
2004	11	70	11	16	108
2005	7	62	9	13	91
2006	8	56	3	12	79
2007	6	59	7	13	85
2008	12	68	7	17	104

Calendar year	Single Vehicle Crash	Multiple Vehicle Crash		Pedestrian Crash	Total
		Occupant of Light	Occupant of Heavy		
2004	10%	65%	10%	15%	100%
2005	8%	68%	10%	14%	100%
2006	10%	71%	4%	15%	100%
2007	7%	69%	8%	15%	100%
2008	12%	65%	7%	16%	100%

Deaths in crashes involving any heavy truck – Australia

Calendar year	Single Vehicle Crash	Multiple Vehicle Crash		Pedestrian Crash	Total
		Occupant of Light	Occupant of Heavy		
2004	15%	61%	12%	12%	100%
2005	14%	69%	7%	10%	100%
2006	13%	69%	5%	14%	100%
2007	16%	63%	8%	13%	100%
2008	15%	61%	10%	15%	100%

Notes:

- The sources accessed for the above table is the same as all other tables in this bulletin. It will be seen however that the totals (page 3, page 5) do not match exactly with the above table. This is due to the following :
 - Date of access to data for the above table is different to the rest of the bulletin.
 - All crashes at a level crossing removed from the above tables.
- From the previous edition of this bulletin (September 2009) minor corrections have been made to the above tables.

APPENDIX

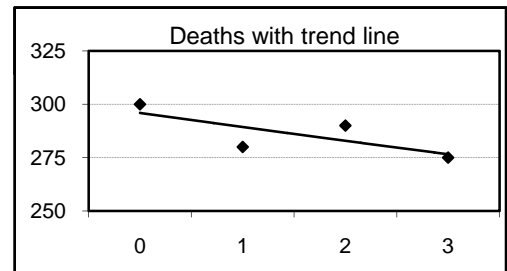
Glossary Note. The following definitions are general explanations only. The precise definitions vary across the organisations that provide the source data. These differences may result in minor inconsistencies between jurisdictions for some variables.

<i>Articulated truck</i>	A motor vehicle constructed primarily for load carrying, consisting of a prime mover that has no significant load carrying area but with a turntable device which can be linked to one or more
<i>Bus</i>	A motor vehicle constructed for the carriage of passengers which has at least 10 seats, including the driver's seat.
<i>Crash</i>	Any apparently unpremeditated event reported to police, or other relevant authority, and resulting in death, injury or property damage attributable to the movement of a road vehicle on a public road.
<i>Death</i>	A person who dies within 30 days of a crash as a result of injuries received in that crash.
<i>Fatal crash</i>	A crash for which there is at least one death.
<i>Gross Vehicle Mass (GVM)</i>	Tare weight (i.e. unladen weight) of the motor vehicle plus its maximum carrying capacity excluding trailers.
<i>Heavy rigid truck</i>	A motor vehicle of GVM greater than 4.5 tonnes constructed with a load carrying area. Includes a rigid truck with a tow bar, draw bar or other non-articulated coupling on the rear of the vehicle.

Preliminary data Data for recent months are preliminary and subject to revision.

Estimation of three year trends In this bulletin, the figures for the 'Average annual per cent change over 3 years' are calculated by fitting an exponential trend line to the last four data points (years 0 to 3). 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:

Cell Ref.	A	B	C
	Year	Deaths	% change
1	0	300	
2	1	280	-7%
3	2	290	4%
4	3	275	-5%
Average annual change =			-2.2%



Average annual change = INDEX (LOGEST (B1:B4 , A1:A4) , 1) -1 = -2.2%

Data Sources The data presented here are obtained from the following sources:

- Roads and Traffic Authority, New South Wales
- 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, Australian Capital Territory

An online version of the database used to produce this bulletin is available from:
<http://www.bitre.gov.au/Info.aspx?NodeId=167>

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