



Australian Government

Department of Infrastructure,
Transport, Regional Development
and Local Government

Fatal Heavy Vehicle Crashes Australia

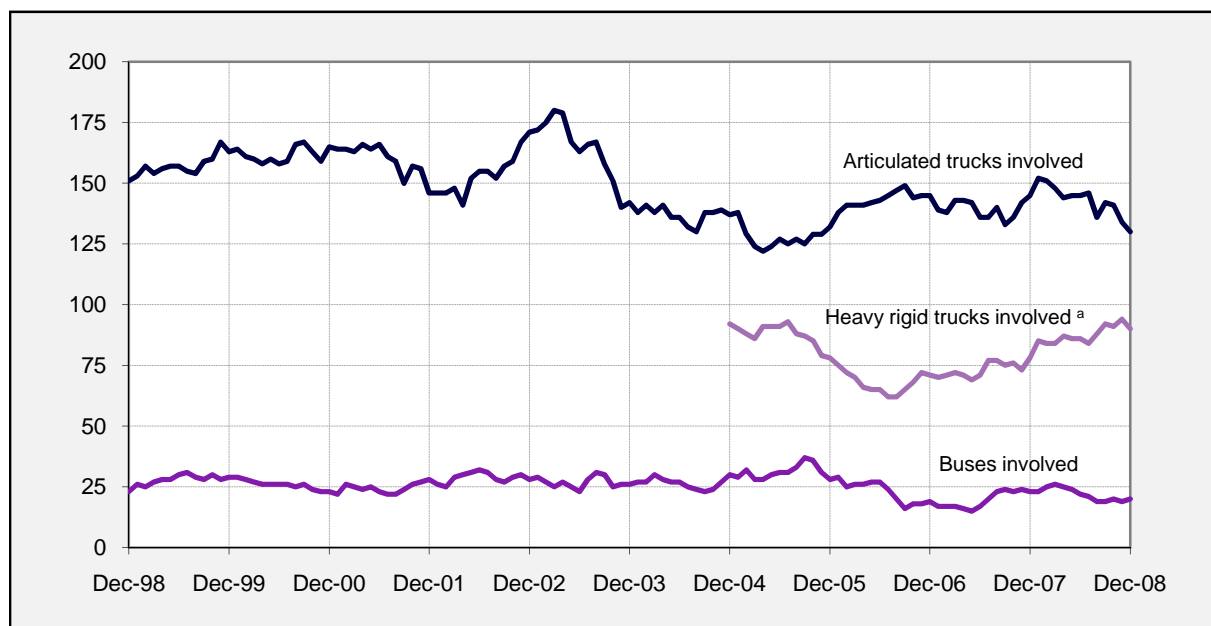
Quarterly Bulletin

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October - December 2008

Fatal crashes involving heavy vehicles, Australia, 12 month rolling total - Ten years ended December 2008

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 2008, 264 people died from 237 crashes involving heavy trucks or buses. These included:
 - 150 deaths from 130 crashes involving articulated trucks
 - 95 deaths from 90 crashes involving heavy rigid trucks
 - 22 deaths from 20 crashes involving buses ^b.
- Fatal crashes involving articulated trucks:
 - decreased by 10.3 per cent compared with the previous 12-month period
 - decreased by an average of 0.5 per cent per year over the three years to December 2008.
- Fatal crashes involving heavy rigid trucks:
 - increased by 15.4 per cent compared with the previous 12-month period
 - increased by an average of 5.4 per cent per year over the three years to December 2008.

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

Articulated Trucks - Fatal Crashes

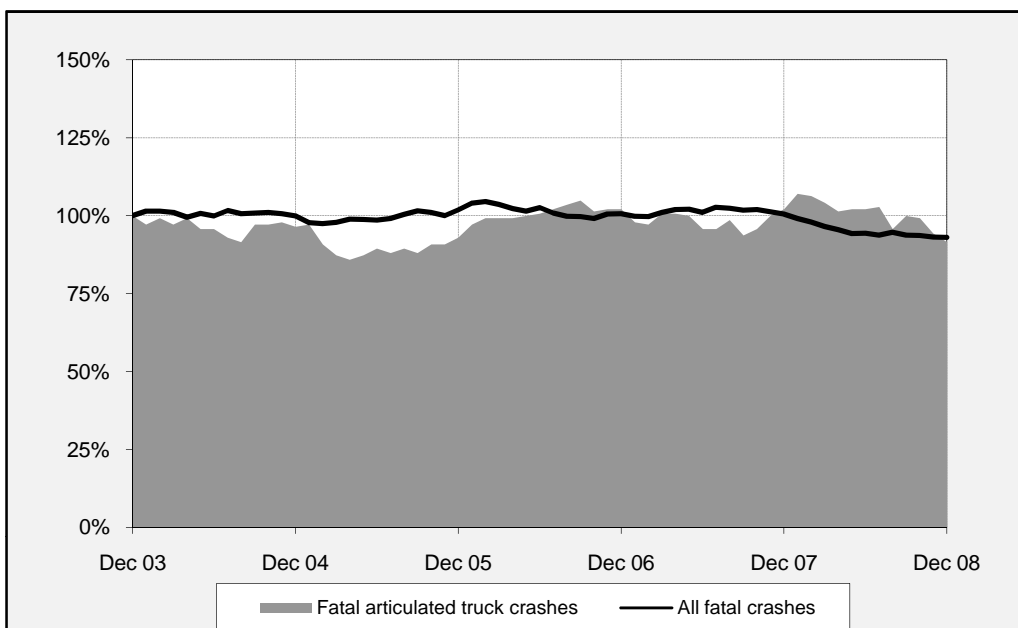
Fatal crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2003	50	33	31	13	13	1	1	0	142
2004	57	35	13	10	16	4	2	0	137
2005	45	28	27	15	11	5	1	0	132
2006	57	26	34	9	11	6	2	0	145
2007	53	30	38	6	12	4	2	0	145
2008	48	20	35	9	8	7	3	0	130
Quarters									
2006									
December	17	6	8	3	3	0	0	0	37
2007									
March	16	9	4	0	4	1	1	0	35
June	9	5	11	2	2	0	1	0	30
September	10	6	11	2	2	0	0	0	31
December	18	10	12	2	4	3	0	0	49
2008									
March	11	9	16	2	0	0	0	0	38
June	10	1	6	4	3	3	0	0	27
September	12	2	5	3	3	2	1	0	28
December	15	8	8	0	2	2	2	0	37
Year Ended (YE)									
December 2007	53	30	38	6	12	4	2	0	145
December 2008	48	20	35	9	8	7	3	0	130
% change	-9.4	-33.3	-7.9	50.0	-33.3	75.0	50.0	-	-10.3
Average annual % change over 3 years ^a									
YE December 2005									
to YE December 2008	1.2	-8.3	9.3	-17.6	-8.3	6.2	39.0	-	-0.5

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 2008

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 2003.



Articulated Trucks - Deaths

Deaths from crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2003	63	41	35	13	17	1	1	0	171
2004	64	37	13	13	17	4	2	0	150
2005	52	32	35	17	13	5	1	0	155
2006	69	31	37	10	13	8	2	0	170
2007	59	48	41	7	15	5	2	0	177
2008	54	21	46	10	9	7	3	0	150
Quarters									
2006									
December	19	7	8	4	3	0	0	0	41
2007									
March	16	13	5	0	4	2	1	0	41
June	10	16	12	3	2	0	1	0	44
September	10	7	11	2	4	0	0	0	34
December	23	12	13	2	5	3	0	0	58
2008									
March	14	10	21	2	0	0	0	0	47
June	11	1	7	4	4	3	0	0	30
September	14	2	7	4	3	2	1	0	33
December	15	8	11	0	2	2	2	0	40
Year Ended (YE)									
December 2007	59	48	41	7	15	5	2	0	177
December 2008	54	21	46	10	9	7	3	0	150
% change	-8.5	-56.3	12.2	42.9	-40.0	40.0	50.0	-	-15.3
Average annual % change over 3 years ^a									
YE December 2005									
to YE December 2008	-0.4	-7.9	9.7	-17.7	-9.2	5.5	39.0	-	-0.6

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 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	37	10	29	7	5	7	0	0	95
Passengers ^b	7	2	11	1	1	0	1	0	23
Pedestrians	6	7	1	1	2	0	1	0	18
Motor cyclists ^c	3	1	4	0	1	0	1	0	10
Cyclists	1	1	1	1	0	0	0	0	4
All road users ^d	54	21	46	10	9	7	3	0	150

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 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	6	7	1	1	2	0	1	0	18
Other single vehicle crashes	8	3	10	0	1	2	1	0	25
Multiple vehicle crashes	40	11	35	9	6	5	1	0	107
All crash types	54	21	46	10	9	7	3	0	150

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									
2003	19	18	17	8	N/A	N/A	2	2	N/A
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	0	71
2007	28	24	10	4	10	1	1	0	78
2008	16	27	21	5	17	2	2	0	90
Quarters									
2006									
December	10	1	4	0	4	1	0	0	20
2007									
March	2	5	2	3	3	0	0	0	15
June	7	4	5	0	1	1	0	0	18
September	8	7	2	1	3	0	1	0	22
December	11	8	1	0	3	0	0	0	23
2008									
March	2	8	6	1	2	1	1	0	21
June	3	9	3	1	4	0	0	0	20
September	7	4	8	1	8	0	0	0	28
December	4	6	4	2	3	1	1	0	21
Year Ended (YE)									
December 2007	28	24	10	4	10	1	1	0	78
December 2008	16	27	21	5	17	2	2	0	90
% change	-42.9	12.5	110.0	25.0	70.0	100.0	100.0	-	15.4
Average annual % change over 3 years ^a									
YE December 2005									
to YE December 2008	-12.2	3.7	20.0	14.0	33.4	-10.4	23.1	-	5.4

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

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									
2003	23	21	18	8	N/A	N/A	2	2	N/A
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	0	79
2007	29	26	11	4	10	1	2	0	83
2008	16	28	24	5	18	2	2	0	95
Quarters									
2006									
December	12	1	5	0	4	1	0	0	23
2007									
March	2	5	2	3	3	0	0	0	15
June	8	4	5	0	1	1	0	0	19
September	8	8	3	1	3	0	2	0	25
December	11	9	1	0	3	0	0	0	24
2008									
March	2	9	7	1	2	1	1	0	23
June	3	9	4	1	5	0	0	0	22
September	7	4	9	1	8	0	0	0	29
December	4	6	4	2	3	1	1	0	21
Year Ended (YE)									
December 2007	29	26	11	4	10	1	2	0	83
December 2008	16	28	24	5	18	2	2	0	95
% change	-44.8	7.7	118.2	25.0	80.0	100.0	0.0	-	14.5
Average annual % change over 3 years ^a									
YE December 2005									
to YE December 2008	-15.7	0.6	15.8	14.0	34.2	-10.4	32.0	-	2.8

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 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	10	10	16	1	11	2	1	0	51
Passengers ^b	1	6	4	0	0	0	0	0	11
Pedestrians	4	6	2	2	2	0	1	0	17
Motor cyclists ^c	1	4	2	2	3	0	0	0	12
Cyclists	0	2	0	0	1	0	0	0	3
All road users ^d	16	28	24	5	18	2	2	0	95

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 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	4	6	2	2	2	0	1	0	17
Other single vehicle crashes	3	2	3	0	2	1	0	0	11
Multiple vehicle crashes	9	20	19	3	14	1	1	0	67
All crash types	16	28	24	5	18	2	2	0	95

Buses - Fatal Crashes

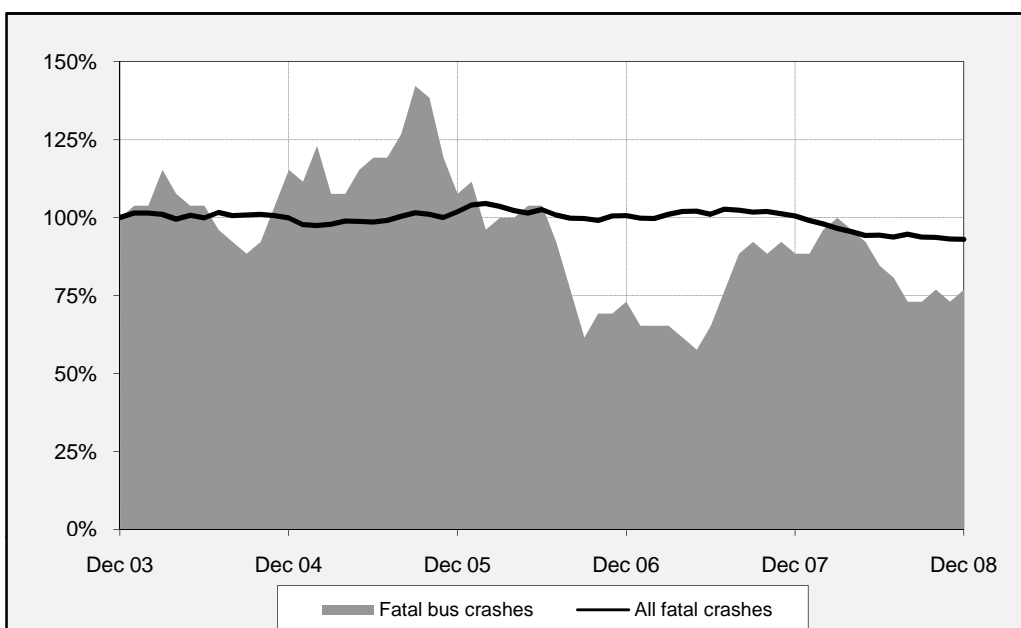
Fatal crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2003	13	3	4	2	2	1	1	0	26
2004	15	6	6	2	0	0	0	1	30
2005	15	4	7	1	1	0	0	0	28
2006	7	3	5	1	1	1	1	0	19
2007	11	4	7	1	0	0	0	0	23
2008	5	5	8	1	1	0	0	0	20
Quarters									
2006									
December	2	1	1	0	1	0	0	0	5
2007									
March	0	1	2	0	0	0	0	0	3
June	4	1	3	0	0	0	0	0	8
September	4	2	1	1	0	0	0	0	8
December	3	0	1	0	0	0	0	0	4
2008									
March	2	2	2	0	0	0	0	0	6
June	0	2	2	0	0	0	0	0	4
September	2	1	2	0	0	0	0	0	5
December	1	0	2	1	1	0	0	0	5
Year Ended (YE)									
December 2007	11	4	7	1	0	0	0	0	23
December 2008	5	5	8	1	1	0	0	0	20
% change	-54.5	25.0	14.3	0.0	-	-	-	-	-13.0
Average annual % change over 3 years ^a									
YE December 2005									
to YE December 2008	-24.8	10.0	7.6	0.0	-	-	-	-	-7.9

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 2008

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 2003.



Buses - Deaths

Deaths from crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2003	15	3	4	3	2	1	1	0	29
2004	15	6	6	2	0	0	0	1	30
2005	21	5	9	1	1	0	0	0	37
2006	7	3	5	1	1	1	2	0	20
2007	11	4	7	1	0	0	0	0	23
2008	5	6	9	1	1	0	0	0	22
Quarters									
2006									
December	2	1	1	0	1	0	0	0	5
2007									
March	0	1	2	0	0	0	0	0	3
June	4	1	3	0	0	0	0	0	8
September	4	2	1	1	0	0	0	0	8
December	3	0	1	0	0	0	0	0	4
2008									
March	2	2	3	0	0	0	0	0	7
June	0	3	2	0	0	0	0	0	5
September	2	1	2	0	0	0	0	0	5
December	1	0	2	1	1	0	0	0	5
Year Ended (YE)									
December 2007	11	4	7	1	0	0	0	0	23
December 2008	5	6	9	1	1	0	0	0	22
% change	-54.5	50.0	28.6	0.0	-	-	-	-	-4.3
Average annual % change over 3 years ^a									
YE December 2005									
to YE December 2008	-32.0	8.7	3.4	0.0	-	-	-	-	-13.2

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 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	1	2	0	0	0	0	0	0	3
Passengers ^b	0	1	5	1	1	0	0	0	8
Pedestrians	1	2	1	0	0	0	0	0	4
Motor cyclists ^c	3	0	3	0	0	0	0	0	6
Cyclists	0	1	0	0	0	0	0	0	1
All road users ^d	5	6	9	1	1	0	0	0	22

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 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	1	2	1	0	0	0	0	0	4
Other single vehicle crashes	0	0	4	1	1	0	0	0	6
Multiple vehicle crashes	4	4	4	0	0	0	0	0	12
All crash types	5	6	9	1	1	0	0	0	22

Appendix

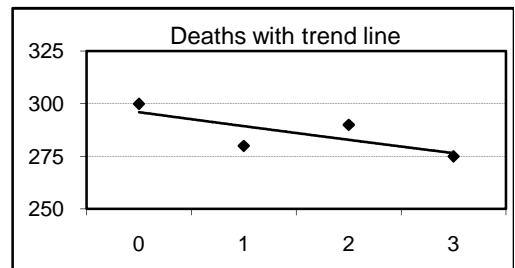
Glossary Note. The following definitions are general explanations only. The precise definitions vary across the organisations that provide the source data. These differences may result in minor inconsistencies between jurisdictions for some variables.

- Articulated truck* 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 trailers.
- Bus* A motor vehicle constructed for the carriage of passengers which has at least 10 seats, including the driver's seat.
- Crash* 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.
- Death* A person who dies within 30 days of a crash as a result of injuries received in that crash.
- Fatal crash* A crash for which there is at least one death.
- Gross Vehicle Mass (GVM)* Tare weight (i.e. unladen weight) of the motor vehicle plus its maximum carrying capacity excluding trailers.
- Heavy rigid truck* 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.infrastructure.gov.au/roads/safety/>

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