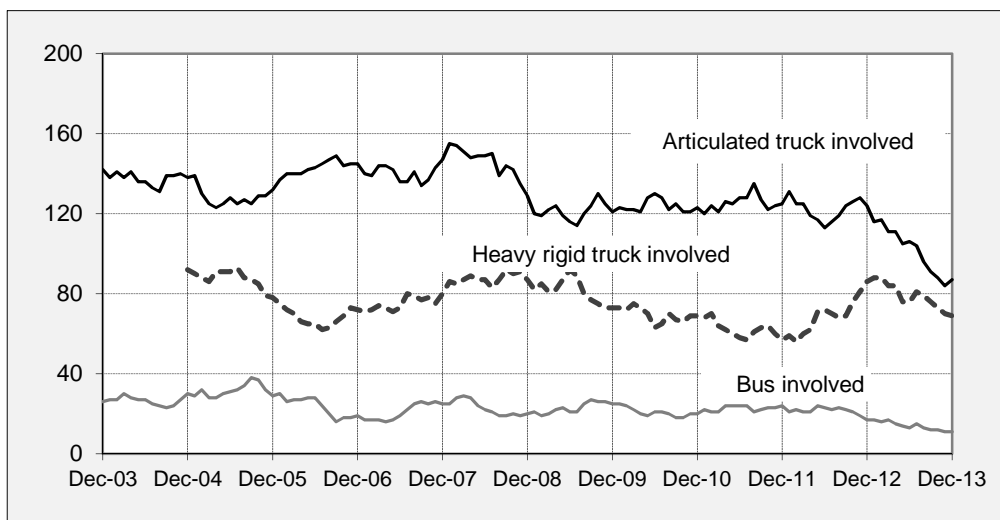




Fatal crashes involving heavy vehicles, Australia — moving annual total

(Each point shows the number of fatal crashes during the preceding 12 months)



Key features

- During the 12 months to the end of December 2013, 188 people died from 162 fatal crashes involving heavy trucks or buses. These included:
 - 106 deaths from 87 crashes involving articulated trucks,
 - 74 deaths from 69 crashes involving heavy rigid trucks,
 - 13 deaths from 11 crashes involving buses ^a.
- Fatal crashes involving articulated trucks:
 - decreased by 29.8 per cent compared with the corresponding period one year earlier,
 - decreased by an average of 9.9 per cent per year over the three years to December 2013.
- Fatal crashes involving heavy rigid trucks:
 - decreased by 19.8 per cent compared with the corresponding period one year earlier,
 - increased by an average of 4.2 per cent per year over the three years to December 2013.

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

ARTICULATED TRUCK INVOLVEMENT

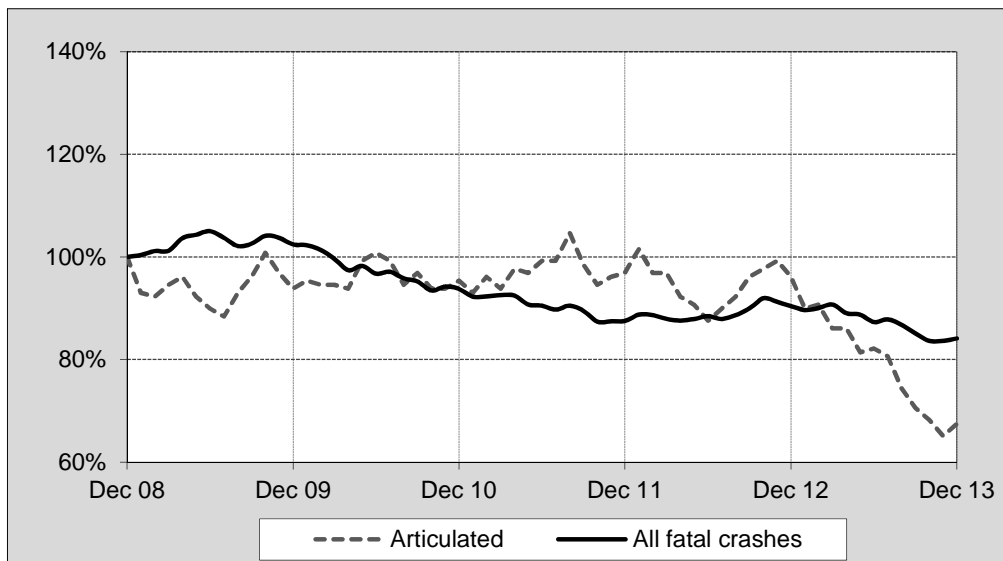
Table 1 Fatal crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2008	47	22	35	9	7	6	3	0	129
2009	33	17	38	9	10	10	2	2	121
2010	41	31	25	7	14	3	1	1	123
2011	43	21	32	12	12	2	3	0	125
2012	39	29	35	9	7	3	2	0	124
2013	30	12	26	8	8	2	1	0	87
Quarters									
2011									
December	10	4	10	1	1	0	2	0	28
2012									
March	10	3	9	5	2	2	0	0	31
June	12	5	6	0	1	1	0	0	25
September	8	10	15	2	3	0	2	0	40
December	9	11	5	2	1	0	0	0	28
2013									
March	5	4	5	3	0	1	0	0	18
June	11	1	4	2	2	0	0	0	20
September	7	3	10	0	4	0	1	0	25
December	7	4	7	3	2	1	0	0	24
12 Months ended									
December 2012	39	29	35	9	7	3	2	0	124
December 2013	30	12	26	8	8	2	1	0	87
% change	-23.1	-58.6	-25.7	-11.1	14.3	-33.3	-50.0	-	-29.8
Average annual % change over 3 years^a									
12 mths end Dec 2010									
to 12 mths end Dec 2013	-9.8	-22.3	2.1	1.1	-19.9	-7.8	-4.0	-	-9.9

^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 2013

Each point shows the number of fatal crashes in the preceding 12 months expressed as a percentage of the corresponding number of fatal crashes in the 12 months to the end of December 2008.



ARTICULATED TRUCK INVOLVEMENT

Table 2 Deaths from crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2008	53	23	46	10	8	6	3	0	149
2009	47	20	40	11	12	11	2	2	145
2010	51	36	29	7	15	3	1	1	143
2011	47	23	39	13	14	2	3	0	141
2012	50	30	45	10	8	3	2	0	148
2013	32	14	35	11	11	2	1	0	106
Quarters									
2011									
December	11	5	10	1	1	0	2	0	30
2012									
March	14	4	9	5	2	2	0	0	36
June	13	5	8	0	1	1	0	0	28
September	9	10	21	2	3	0	2	0	47
December	14	11	7	3	2	0	0	0	37
2013									
March	5	4	8	4	0	1	0	0	22
June	12	1	7	4	3	0	0	0	27
September	7	3	13	0	6	0	1	0	30
December	8	6	7	3	2	1	0	0	27
12 Months ended									
December 2012	50	30	45	10	8	3	2	0	148
December 2013	32	14	35	11	11	2	1	0	106
% change	-36.0	-53.3	-22.2	10.0	37.5	-33.3	-50.0	-	-28.4
Average annual % change over 3 years ^a									
12 mths end Dec 2010									
to 12 mths end Dec 2013	-12.5	-22.6	7.3	11.6	-13.8	-7.8	-4.0	-	-8.1

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

Table 3 Deaths from crashes involving articulated trucks by State/Territory and road user — 12 months ended December 2013

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	23	11	21	5	7	1	1	0	69
Passengers ^b	3	1	9	4	3	1	0	0	21
Pedestrians	4	1	1	1	0	0	0	0	7
Motor cyclists ^c	1	1	3	1	1	0	0	0	7
Cyclists	1	0	1	0	0	0	0	0	2
All road users ^d	32	14	35	11	11	2	1	0	106

b Includes drivers/passengers of light and heavy vehicles

c Includes pillion passengers

d Includes road users not separately specified

Table 4 Deaths from crashes involving articulated trucks by State/Territory and crash type — 12 months ended December 2013

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	2	0	5	1	0	0	0	0	8
Multiple vehicle crashes	26	13	29	9	11	2	1	0	91
Pedestrian crashes	4	1	1	1	0	0	0	0	7
All crash types	32	14	35	11	11	2	1	0	106

HEAVY RIGID TRUCK INVOLVEMENT

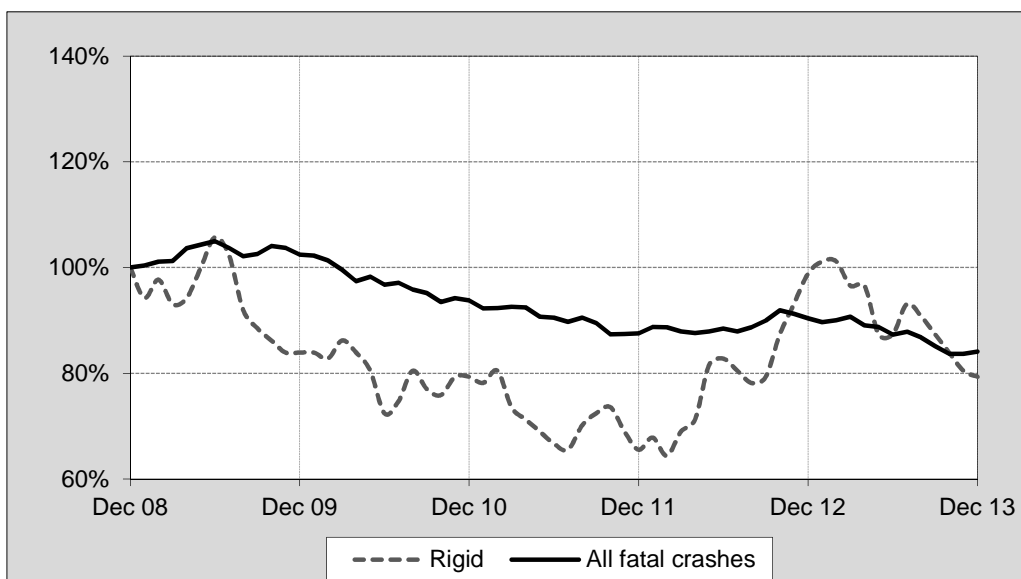
Table 5 Fatal crashes involving heavy rigid trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2008	12	24	21	8	18	2	2	0	87
2009	23	18	13	2	16	1	0	0	73
2010	20	19	12	2	11	4	0	1	69
2011	15	14	13	6	5	2	2	0	57
2012	22	16	23	6	15	2	1	1	86
2013	24	15	11	4	15	0	0	0	69
Quarters									
2011									
December	5	3	2	0	0	0	0	0	10
2012									
March	5	4	4	1	3	0	0	0	17
June	5	2	8	2	4	1	1	0	23
September	7	5	3	0	3	1	0	0	19
December	5	5	8	3	5	0	0	1	27
2013									
March	3	4	2	2	4	0	0	0	15
June	6	3	2	2	2	0	0	0	15
September	8	4	4	0	3	0	0	0	19
December	7	4	3	0	6	0	0	0	20
12 Months ended									
December 2012	22	16	23	6	15	2	1	1	86
December 2013	24	15	11	4	15	0	0	0	69
% change	9.1	-6.3	-52.2	-33.3	0.0	-100.0	-100.0	-100.0	-19.8
Average annual % change over 3 years^a									
12 mths end Dec 2010									
to 12 mths end Dec 2013	9.7	-5.6	3.1	23.1	22.5	-	-	-	4.2

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 2013

Each point shows the number of fatal crashes in the preceding 12 months expressed as a percentage of the corresponding number of fatal crashes in the 12 months to the end of December 2008.



HEAVY RIGID TRUCK INVOLVEMENT

Table 6 Deaths from crashes involving heavy rigid trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2008	12	25	24	9	19	2	2	0	93
2009	24	19	13	2	18	1	0	0	77
2010	24	24	15	2	13	5	0	1	84
2011	17	20	14	6	6	2	4	0	69
2012	23	17	27	7	18	4	1	1	98
2013	26	16	13	4	15	0	0	0	74
Quarters									
2011									
December	6	9	2	0	0	0	0	0	17
2012									
March	6	4	4	1	3	0	0	0	18
June	5	2	9	3	4	1	1	0	25
September	7	5	6	0	4	3	0	0	25
December	5	6	8	3	7	0	0	1	30
2013									
March	3	4	2	2	4	0	0	0	15
June	7	3	2	2	2	0	0	0	16
September	9	5	5	0	3	0	0	0	22
December	7	4	4	0	6	0	0	0	21
12 Months ended									
December 2012	23	17	27	7	18	4	1	1	98
December 2013	26	16	13	4	15	0	0	0	74
% change	13.0	-5.9	-51.9	-42.9	-16.7	-100.0	-100.0	-100.0	-24.5
Average annual % change over 3 years^a									
12 mths end Dec 2010									
to 12 mths end Dec 2013	5.6	-12.9	2.3	25.0	16.5	-	-	-	-0.3

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

Table 7 Deaths from crashes involving heavy rigid trucks by State/Territory by road user — 12 months ended December 2013

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	16	11	4	0	5	0	0	0	36
Passengers ^b	3	2	5	0	0	0	0	0	10
Pedestrians	4	2	1	2	8	0	0	0	17
Motor cyclists ^c	2	0	0	1	2	0	0	0	5
Cyclists	1	1	3	1	0	0	0	0	6
All road users ^d	26	16	13	4	15	0	0	0	74

b Includes drivers/passengers of light vehicles

c Includes pillion passengers

d Includes road users not separately specified

Table 8 Deaths from crashes involving heavy rigid trucks by State/Territory by crash type — 12 months ended December 2013

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	1	2	0	0	2	0	0	0	5
Multiple vehicle crashes	21	12	12	2	5	0	0	0	52
Pedestrian crashes	4	2	1	2	8	0	0	0	17
All crash types	26	16	13	4	15	0	0	0	74

BUS INVOLVEMENT

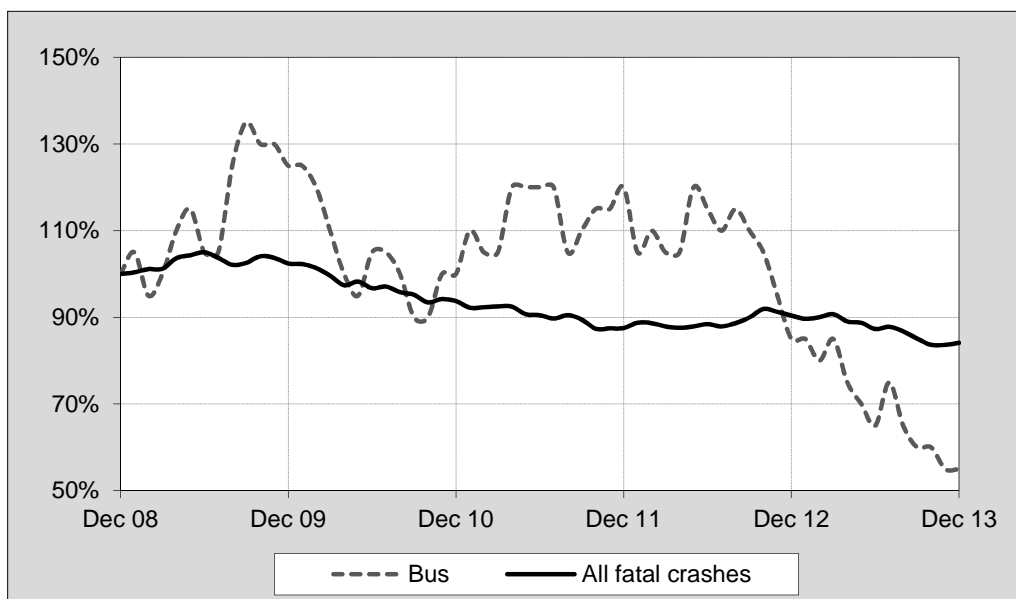
Table 9 Fatal crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2008	5	4	8	1	2	0	0	0	20
2009	8	6	8	2	0	1	0	0	25
2010	9	2	3	3	0	1	1	1	20
2011	11	5	7	0	1	0	0	0	24
2012	6	3	6	1	1	0	0	0	17
2013	2	3	5	0	0	0	1	0	11
Quarters									
2011									
December	5	2	0	0	0	0	0	0	7
2012									
March	1	0	1	0	0	0	0	0	2
June	4	2	1	1	0	0	0	0	8
September	1	1	2	0	1	0	0	0	5
December	0	0	2	0	0	0	0	0	2
2013									
March	0	1	1	0	0	0	0	0	2
June	1	1	2	0	0	0	0	0	4
September	1	1	2	0	0	0	0	0	4
December	0	0	0	0	0	0	1	0	1
12 Months ended									
December 2012	6	3	6	1	1	0	0	0	17
December 2013	2	3	5	0	0	0	1	0	11
% change	-66.7	0.0	-16.7	-100.0	-100.0	-	-	-	-35.3
Average annual % change over 3 years^a									
12 mths end Dec 2010									
to 12 mths end Dec 2013	-40.1	7.3	14.8	-	-	-	-	-	-19.3

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 2013

Each point shows the number of fatal crashes in the preceding 12 months expressed as a percentage of the corresponding number of fatal crashes in the 12 months to the end of December 2008



BUS INVOLVEMENT

Table 10 Deaths from crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
2008	5	4	9	1	2	0	0	0	21
2009	9	9	10	2	0	1	0	0	31
2010	9	2	4	3	0	1	1	1	21
2011	11	5	8	0	1	0	0	0	25
2012	6	3	7	1	1	0	0	0	18
2013	3	3	6	0	0	0	1	0	13
Quarters									
2011									
December	5	2	0	0	0	0	0	0	7
2012									
March	1	0	1	0	0	0	0	0	2
June	4	2	1	1	0	0	0	0	8
September	1	1	3	0	1	0	0	0	6
December	0	0	2	0	0	0	0	0	2
2013									
March	0	1	2	0	0	0	0	0	3
June	1	1	2	0	0	0	0	0	4
September	2	1	2	0	0	0	0	0	5
December	0	0	0	0	0	0	1	0	1
12 Months ended									
December 2012	6	3	7	1	1	0	0	0	18
December 2013	3	3	6	0	0	0	1	0	13
% change	-50.0	0.0	-14.3	-100.0	-100.0	-	-	-	-27.8
Average annual % change over 3 years^a									
12 mths end Dec 2010									
to 12 mths end Dec 2013	-32.3	-	11.4	-	-	-	-	-	-16.2

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

Table 11 Deaths from crashes involving buses by State/Territory by road user - 12 months ended December 2013

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^b	1	1	4	0	0	0	0	0	6
Passengers ^b	0	0	1	0	0	0	0	0	1
Pedestrians	1	0	0	0	0	0	0	0	1
Motor cyclists ^c	1	0	1	0	0	0	0	0	2
Cyclists	0	2	0	0	0	0	1	0	3
All road users ^d	3	3	6	0	0	0	1	0	13

b Includes drivers/passengers of light vehicles

c Includes pillion passengers

d Includes road users not separately specified

Table 12 Deaths from crashes involving buses by State/Territory by crash type - 12 months ended December 2013

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	0	0	0	0	0	0	0	0	0
Multiple vehicle crashes	1	3	6	0	0	0	1	0	11
Pedestrian crashes	2	0	0	0	0	0	0	0	2
All crash types	3	3	6	0	0	0	1	0	13

APPENDIX

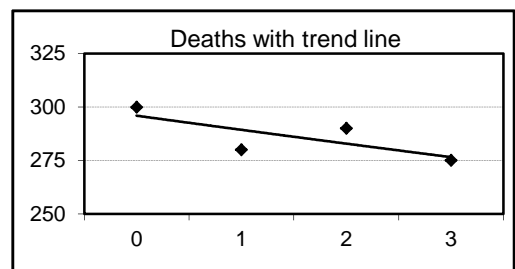
Glossary Note. The following definitions are general explanations only. The precise definitions vary across the organisations that provide the source data. These differences may result in minor inconsistencies between jurisdictions for some variables.

<i>Articulated truck</i>	A motor vehicle 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.
<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:

- Transport for NSW
- Vicroads
- Department of Transport and Main Roads Queensland
- 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, Australian Capital Territory

An online version of the database used to produce this bulletin is available from:
[< http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx >](http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx)

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