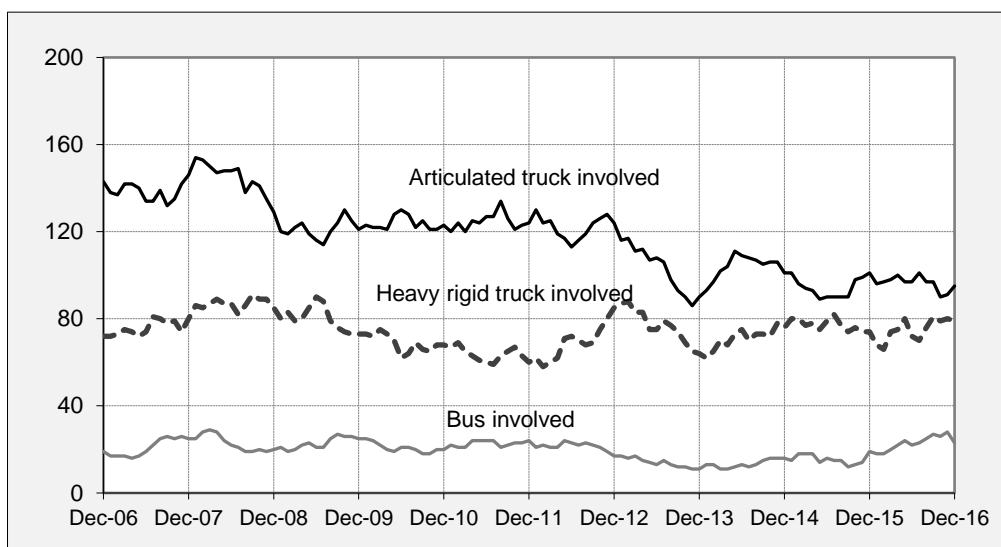




## Fatal crashes involving heavy vehicles, Australia — moving annual total

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



### Key features

- During the 12 months to the end of December 2016, 213 people died from 191 fatal crashes involving heavy trucks or buses. These included:
  - 108 deaths from 95 crashes involving articulated trucks
  - 90 deaths from 79 crashes involving heavy rigid trucks
  - 24 deaths from 23 crashes involving buses<sup>a</sup>.
- Fatal crashes involving articulated trucks:
  - decreased by 5.9 per cent compared with the corresponding period one year earlier
  - increased by an average of 1.6 per cent per year over the three years to December 2016.
- Fatal crashes involving heavy rigid trucks:
  - increased by 6.8 per cent compared with the corresponding period one year earlier
  - increased by an average of 6.2 per cent per year over the three years to December 2016.

<sup>a</sup> Figures sum to more than the total because some crashes involved more than one type of heavy vehicle.

# ARTICULATED TRUCK INVOLVEMENT

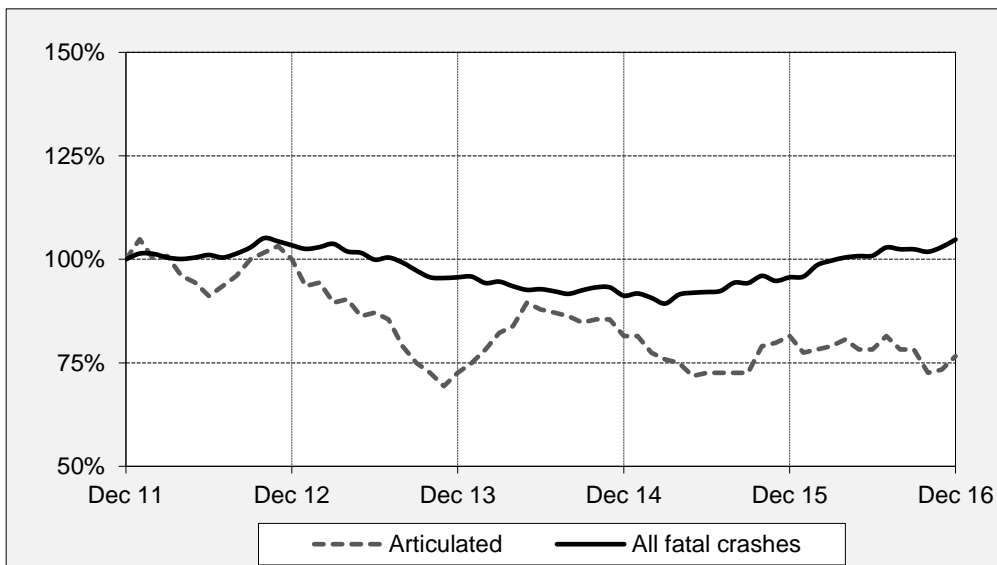
**Table I Fatal crashes involving articulated trucks by State/Territory**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2012	39	29	35	9	7	3	2	0	124
2013	30	13	26	8	8	2	3	0	90
2014	28	25	26	10	6	4	0	2	101
2015	31	21	23	12	11	2	0	1	101
2016	25	19	24	10	9	3	4	1	95
<b>Quarters</b>									
2014									
December	4	6	7	1	2	0	0	1	21
2015									
March	7	6	5	3	2	0	0	0	23
June	8	7	6	2	2	0	0	0	25
September	6	2	6	2	2	2	0	1	21
December	10	6	6	5	5	0	0	0	32
2016									
March	5	3	5	2	4	0	1	0	20
June	7	4	6	4	0	3	0	0	24
September	6	6	6	1	1	0	0	1	21
December	7	6	7	3	4	0	3	0	30
<b>12 Months ended</b>									
December 2015	31	21	23	12	11	2	0	1	101
December 2016	25	19	24	10	9	3	4	1	95
% change	-19.4	-9.5	4.3	-16.7	-18.2	50.0	-	0.0	-5.9
<b>Average annual % change over 3 years<sup>a</sup></b>									
12 mths end Dec 2014									
to 12 mths end Dec 2016	-4.4	10.1	-3.6	8.9	10.1	5.4	-	-	1.6

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 2016

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 2011.



## ARTICULATED TRUCK INVOLVEMENT

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

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2012	50	30	45	10	8	3	2	0	148
2013	32	15	35	11	11	2	4	0	110
2014	31	27	32	12	6	5	0	2	115
2015	34	21	28	15	12	3	0	1	114
2016	29	21	26	11	10	5	5	1	108
<b>Quarters</b>									
2014									
December	5	6	10	2	2	0	0	1	26
2015									
March	8	6	6	5	2	0	0	0	27
June	9	7	7	2	2	0	0	0	27
September	6	2	7	3	2	3	0	1	24
December	11	6	8	5	6	0	0	0	36
2016									
March	5	3	5	3	4	0	1	0	21
June	9	6	7	4	0	5	0	0	31
September	6	6	7	1	1	0	0	1	22
December	9	6	7	3	5	0	4	0	34
<b>12 Months ended</b>									
December 2015	34	21	28	15	12	3	0	1	114
December 2016	29	21	26	11	10	5	5	1	108
% change	-14.7	0.0	-7.1	-26.7	-16.7	66.7	-	0.0	-5.3
<b>Average annual % change over 3 years<sup>a</sup></b>									
12 mths end Dec 2014									
to 12 mths end Dec 2016	-2.0	7.9	-9.7	2.3	4.2	25.1	-	-	-0.6

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 2016**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers <sup>a</sup>	21	15	19	8	8	2	1	1	75
Passengers <sup>a</sup>	2	3	5	2	1	3	2	0	18
Pedestrians	3	1	0	0	0	0	1	0	5
Motorcyclists <sup>b</sup>	3	1	1	0	1	0	1	0	7
Pedal cyclists <sup>b</sup>	0	1	1	1	0	0	0	0	3
All road users <sup>c</sup>	29	21	26	11	10	5	5	1	108

a Includes drivers/passengers of light and heavy vehicles.

b Includes pillion passengers.

c Includes road users not separately specified.

**Table 4 Deaths from crashes involving articulated trucks by State/Territory and crash type — 12 months ended December 2016**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	2	0	6	4	0	1	0	0	13
Multiple vehicle crashes	24	20	20	7	10	4	4	1	90
Pedestrian crashes	3	1	0	0	0	0	1	0	5
All crash types	29	21	26	11	10	5	5	1	108

# HEAVY RIGID TRUCK INVOLVEMENT

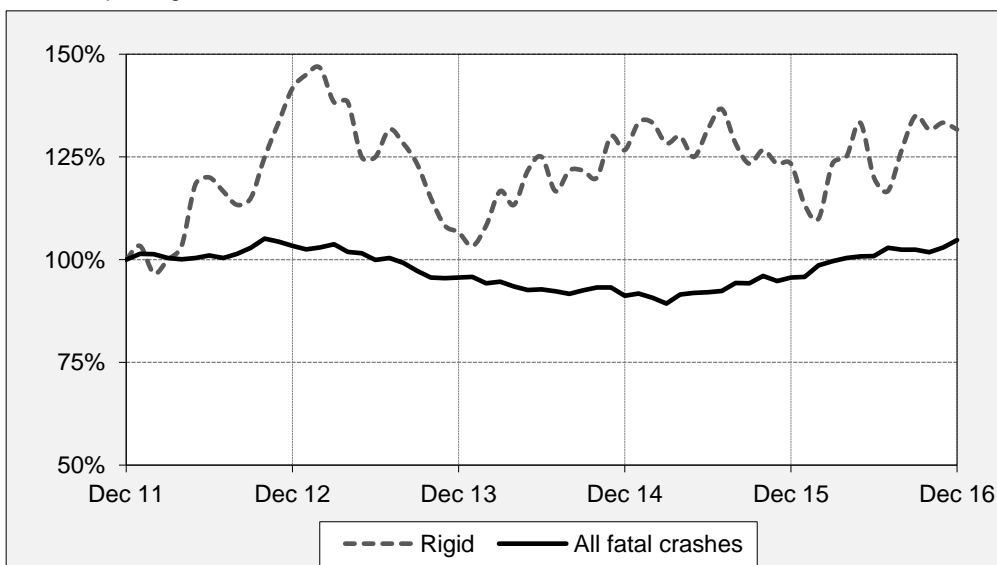
**Table 5 Fatal crashes involving heavy rigid trucks by State/Territory**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2012	22	14	23	6	16	2	1	1	85
2013	22	12	11	4	15	0	0	0	64
2014	21	23	9	10	10	3	0	0	76
2015	22	18	16	2	10	5	1	0	74
2016	32	16	12	5	10	4	0	0	79
<b>Quarters</b>									
<b>2014</b>									
December	4	9	1	4	2	0	0	0	20
<b>2015</b>									
March	5	6	3	1	5	1	0	0	21
June	7	4	5	1	3	1	1	0	22
September	5	2	3	0	0	1	0	0	11
December	5	6	5	0	2	2	0	0	20
<b>2016</b>									
March	10	5	3	0	2	1	0	0	21
June	8	3	2	2	2	3	0	0	20
September	6	4	3	2	5	0	0	0	20
December	8	4	4	1	1	0	0	0	18
<b>12 Months ended</b>									
December 2015	22	18	16	2	10	5	1	0	74
December 2016	32	16	12	5	10	4	0	0	79
% change	45.5	-11.1	-25.0	150.0	0.0	-20.0	-100.0	-	6.8
<b>Average annual % change over 3 years<sup>a</sup></b>									
<i>12 mths end Dec 2014</i>									
to 12 mths end Dec 2016	12.4	6.4	8.7	-9.0	-11.5	-	-	-	6.2

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 2016

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 2011.



## 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
<b>Calendar Years</b>									
2012	23	15	27	7	19	4	1	1	97
2013	24	13	13	4	15	0	0	0	69
2014	21	29	9	15	11	3	0	0	88
2015	25	20	17	3	11	5	1	0	82
2016	34	18	13	8	11	6	0	0	90
<b>Quarters</b>									
2014									
December	4	10	1	7	2	0	0	0	24
2015									
March	6	7	3	2	6	1	0	0	25
June	7	5	5	1	3	1	1	0	23
September	5	2	3	0	0	1	0	0	11
December	7	6	6	0	2	2	0	0	23
2016									
March	10	7	3	0	3	1	0	0	24
June	8	3	3	5	2	5	0	0	26
September	7	4	3	2	5	0	0	0	21
December	9	4	4	1	1	0	0	0	19
<b>12 Months ended</b>									
December 2015	25	20	17	3	11	5	1	0	82
December 2016	34	18	13	8	11	6	0	0	90
% change	36.0	-10.0	-23.5	166.7	0.0	20.0	-100.0	-	9.8
<b>Average annual % change over 3 years<sup>a</sup></b>									
12 mths end Dec 2014									
to 12 mths end Dec 2016	13.0	6.2	6.6	4.8	-8.9	-	-	-	7.5

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 and road user — 12 months ended December 2016**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers <sup>a</sup>	23	11	9	4	6	3	0	0	56
Passengers <sup>a</sup>	2	1	1	4	2	3	0	0	13
Pedestrians	4	3	0	0	0	0	0	0	7
Motorcyclists <sup>b</sup>	5	2	2	0	1	0	0	0	10
Pedal cyclists <sup>b</sup>	0	1	1	0	1	0	0	0	3
All road users <sup>c</sup>	34	18	13	8	11	6	0	0	90

a Includes drivers/passengers of light and heavy vehicles.

b Includes pillion passengers.

c Includes road users not separately specified.

**Table 8 Deaths from crashes involving heavy rigid trucks by State/Territory and crash type — 12 months ended December 2016**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	2	1	3	1	2	1	0	0	10
Multiple vehicle crashes	28	14	10	7	9	5	0	0	73
Pedestrian crashes	4	3	0	0	0	0	0	0	7
All crash types	34	18	13	8	11	6	0	0	90

## BUS INVOLVEMENT

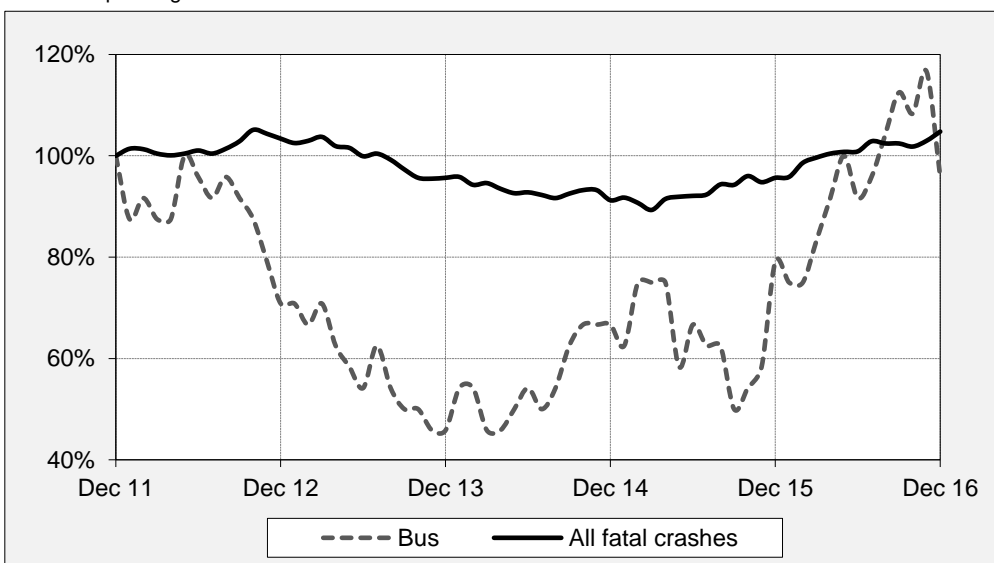
**Table 9 Fatal crashes involving buses by State/Territory**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2012	6	3	6	1	1	0	0	0	17
2013	2	3	5	0	0	0	1	0	11
2014	6	3	1	1	4	0	0	1	16
2015	5	6	2	1	2	1	1	1	19
2016	10	2	3	3	3	1	1	0	23
<b>Quarters</b>									
2014									
December	0	0	0	0	2	0	0	0	2
2015									
March	2	1	0	0	1	0	0	0	4
June	2	0	0	1	0	0	0	1	4
September	0	1	0	0	0	1	0	0	2
December	1	4	2	0	1	0	1	0	9
2016									
March	2	0	1	1	1	0	0	0	5
June	3	1	1	0	1	0	0	0	6
September	4	0	0	0	1	1	1	0	7
December	1	1	1	2	0	0	0	0	5
<b>12 Months ended</b>									
December 2015	5	6	2	1	2	1	1	1	19
December 2016	10	2	3	3	3	1	1	0	23
% change	100.0	-66.7	50.0	200.0	50.0	0.0	0.0	-100.0	21.1
<b>Average annual % change over 3 years<sup>a</sup></b>									
12 mths end Dec 2014									
to 12 mths end Dec 2016	59.1	-5.1	-8.1	-	-	-	-	-	26.9

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 2016

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 2011.



## BUS INVOLVEMENT

**Table 10 Deaths from crashes involving buses by State/Territory**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2012	6	3	7	1	1	0	0	0	18
2013	2	3	6	0	0	0	1	0	12
2014	6	4	1	1	7	0	0	1	20
2015	5	7	2	1	2	1	3	1	22
2016	10	2	3	3	3	1	2	0	24
<b>Quarters</b>									
2014									
December	0	0	0	0	5	0	0	0	5
2015									
March	2	1	0	0	1	0	0	0	4
June	2	0	0	1	0	0	0	1	4
September	0	2	0	0	0	1	0	0	3
December	1	4	2	0	1	0	3	0	11
2016									
March	2	0	1	1	1	0	0	0	5
June	3	1	1	0	1	0	0	0	6
September	4	0	0	0	1	1	2	0	8
December	1	1	1	2	0	0	0	0	5
<b>12 Months ended</b>									
December 2015	5	7	2	1	2	1	3	1	22
December 2016	10	2	3	3	3	1	2	0	24
% change	100.0	-71.4	50.0	200.0	50.0	0.0	-33.3	-100.0	9.1
<b>Average annual % change over 3 years<sup>a</sup></b>									
12 mths end Dec 2014									
to 12 mths end Dec 2016	59.1	-6.4	-12.9	-	-	-	-	-	24.3

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 - and road user — 12 months ended December 2016**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers <sup>a</sup>	3	0	2	1	2	0	1	0	9
Passengers <sup>a</sup>	1	0	1	0	0	0	1	0	3
Pedestrians	6	1	0	1	0	1	0	0	9
Motorcyclists <sup>b</sup>	0	1	0	1	1	0	0	0	3
Pedal cyclists <sup>b</sup>	0	0	0	0	0	0	0	0	0
All road users <sup>c</sup>	10	2	3	3	3	1	2	0	24

a Includes drivers/passengers of light and heavy vehicles.

b Includes pillion passengers.

c Includes road users not separately specified.

**Table 12 Deaths from crashes involving buses by State/Territory by crash type - and crash type — 12 months ended December 2016**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	1	0	1	0	0	0	0	0	2
Multiple vehicle crashes	3	1	2	2	3	0	2	0	13
Pedestrian crashes	6	1	0	1	0	1	0	0	9
All crash types	10	2	3	3	3	1	2	0	24

## 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>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.
<i>Gross Vehicle Mass (GVM)</i>	Tare weight (i.e. unladen weight) of the motor vehicle plus its maximum carrying capacity excluding 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>Road Death or Fatality</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.

**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. (Note: when fitted to a series containing small numbers, this may not be a reliable indicator of a stable trend.)

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

- Transport for New South Wales
- VicRoads
- Queensland Department of Transport and Main Roads
- Department of Planning, Transport and Infrastructure South Australia
- Western Australian Police
- Department of State Growth, Tasmania
- Department of Transport, Northern Territory
- Territory and Municipal Services Directorate, 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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