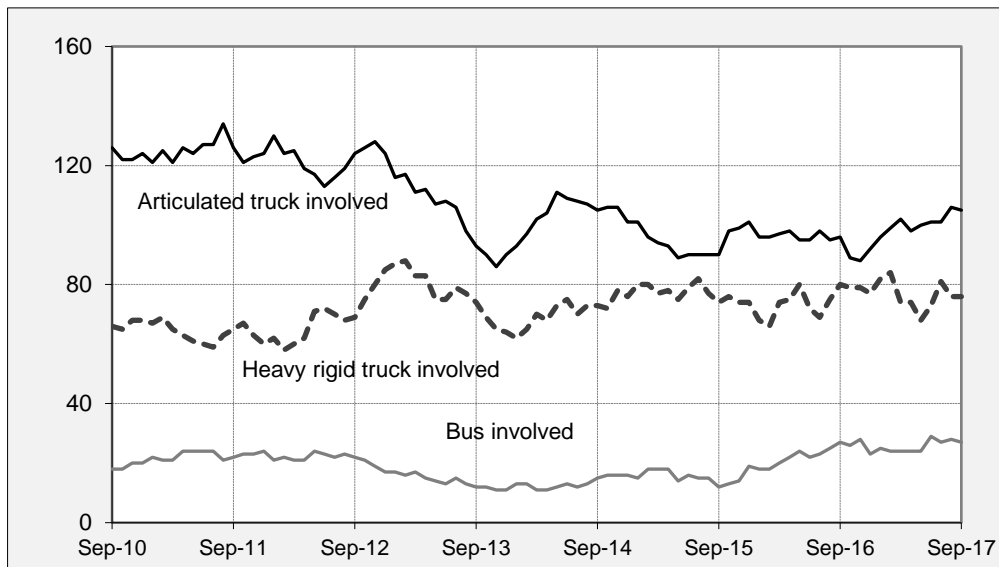




Fatal crashes involving heavy vehicles, Australia — moving annual total

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



Key features

- During the 12 months to the end of September 2017, 216 people died from 197 fatal crashes involving heavy trucks or buses. These included:
 - 121 deaths from 105 crashes involving articulated trucks
 - 81 deaths from 76 crashes involving heavy rigid trucks
 - 29 deaths from 27 crashes involving buses^a.
- Fatal crashes involving articulated trucks:
 - increased by 9.4 per cent compared with the corresponding period one year earlier
 - increased by an average of 0.6 per cent per year over the three years to September 2017.
- Fatal crashes involving heavy rigid trucks:
 - decreased by 5.0 per cent compared with the corresponding period one year earlier
 - increased by an average of 2.0 per cent per year over the three years to September 2017.

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

ARTICULATED TRUCK INVOLVEMENT

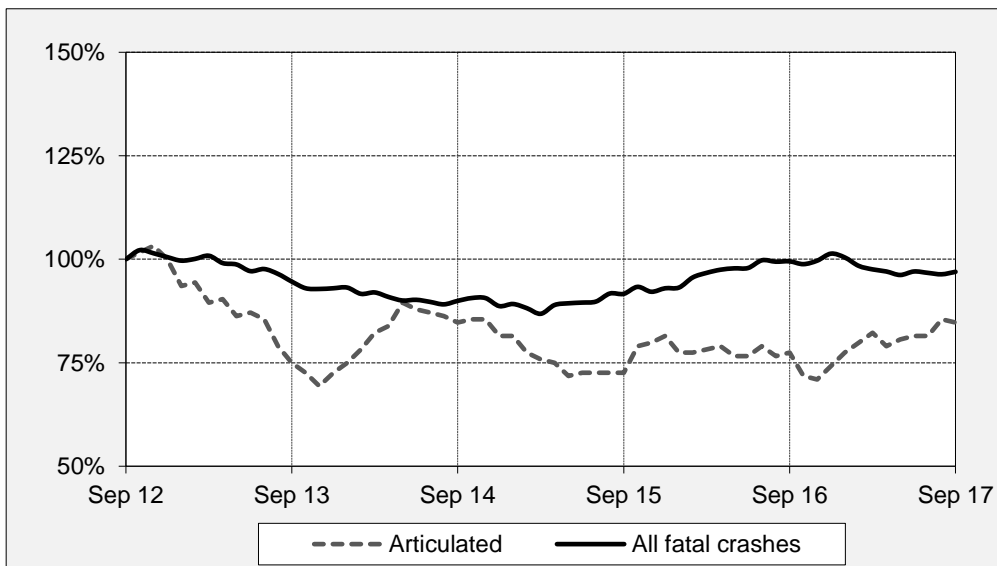
Table I Fatal crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
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	22	20	23	10	9	3	4	1	92
Quarters									
2015									
September	6	2	6	2	2	2	0	1	21
December	10	6	6	5	5	0	0	0	32
2016									
March	4	3	5	2	4	0	1	0	19
June	7	3	6	4	0	3	0	0	23
September	5	8	6	1	1	0	0	1	22
December	6	6	6	3	4	0	3	0	28
2017									
March	12	7	6	3	1	0	0	0	29
June	11	3	4	2	1	1	0	0	22
September	13	5	5	2	1	0	0	0	26
12 Months ended									
September 2016	26	20	23	12	10	3	1	1	96
September 2017	42	21	21	10	7	1	3	0	105
% change	61.5	5.0	-8.7	-16.7	-30.0	-66.7	200.0	-100.0	9.4
Average annual % change over 3 years^a									
12 mths end Sep 2015									
to 12 mths end Sep 2017	10.0	-3.2	-6.6	-1.4	7.1	-35.7	-	-	0.6

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 September 2017

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 September 2012.



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									
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	26	22	25	11	10	5	5	1	105
Quarters									
2015									
September	6	2	7	3	2	3	0	1	24
December	11	6	8	5	6	0	0	0	36
2016									
March	4	3	5	3	4	0	1	0	20
June	9	5	7	4	0	5	0	0	30
September	5	8	7	1	1	0	0	1	23
December	8	6	6	3	5	0	4	0	32
2017									
March	14	7	6	3	1	0	0	0	31
June	16	3	6	2	1	1	0	0	29
September	16	5	5	2	1	0	0	0	29
12 Months ended									
September 2016	29	22	27	13	11	5	1	1	109
September 2017	54	21	23	10	8	1	4	0	121
% change	86.2	-4.5	-14.8	-23.1	-27.3	-80.0	300.0	-100.0	11.0
Average annual % change over 3 years^a									
<i>12 mths end Sep 2015</i>									
<i>to 12 mths end Sep 2017</i>	15.3	-6.8	-7.7	-6.8	12.5	-38.5	-	-	1.5

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 September 2017

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^a	27	16	17	7	3	1	1	0	72
Passengers ^a	16	0	5	0	2	0	2	0	25
Pedestrians	6	1	1	3	0	0	1	0	12
Motorcyclists ^b	5	1	0	0	3	0	0	0	9
Pedal cyclists ^b	0	2	0	0	0	0	0	0	2
All road users ^c	54	21	23	10	8	1	4	0	121

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 September 2017

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	4	2	5	1	8	0	0	0	20
Multiple vehicle crashes	44	18	17	6	0	1	3	0	89
Pedestrian crashes	6	1	1	3	0	0	1	0	12
All crash types	54	21	23	10	8	1	4	0	121

HEAVY RIGID TRUCK INVOLVEMENT

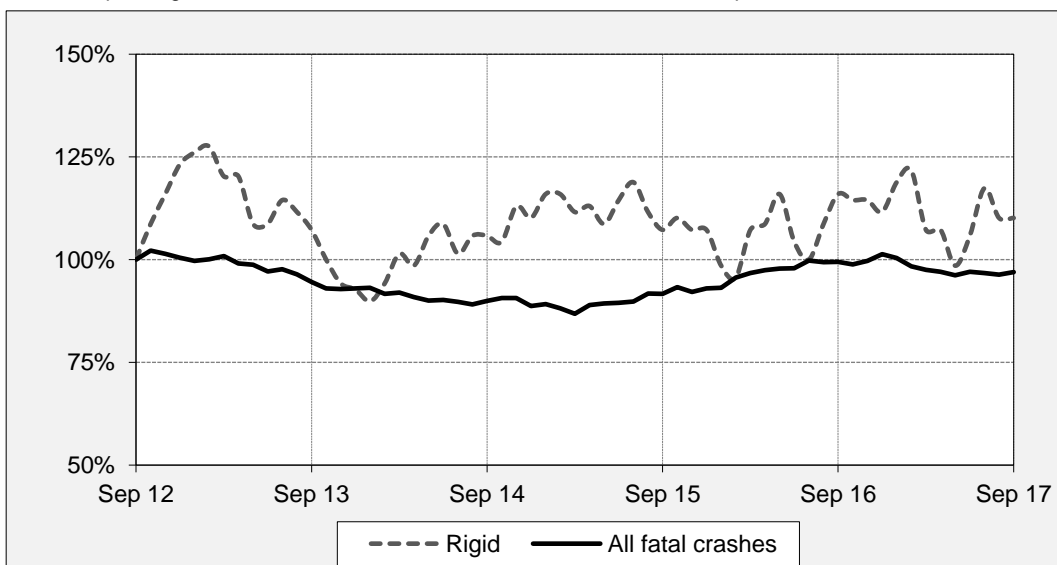
Table 5 Fatal crashes involving heavy rigid trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
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	30	16	12	5	10	4	0	0	77
Quarters									
2015									
September	5	2	3	0	0	1	0	0	11
December	5	6	5	0	2	2	0	0	20
2016									
March	10	5	3	0	2	1	0	0	21
June	8	3	2	2	2	3	0	0	20
September	6	3	3	2	5	0	0	0	19
December	6	5	4	1	1	0	0	0	17
2017									
March	8	4	2	1	2	1	0	0	18
June	7	2	6	0	3	1	0	0	19
September	9	3	3	3	3	1	0	0	22
12 Months ended									
September 2016	29	17	13	4	11	6	0	0	80
September 2017	30	14	15	5	9	3	0	0	76
% change	3.4	-17.6	15.4	25.0	-18.2	-50.0	-	-	-5.0
Average annual % change over 3 years^a									
12 mths end Sep 2015									
to 12 mths end Sep 2017	11.8	-5.9	10.6	-9.1	-11.6	7.2	-	-	2.0

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 September 2017

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 September 2012.



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									
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	32	18	13	8	11	6	0	0	88
Quarters									
2015									
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	3	3	2	5	0	0	0	20
December	7	5	4	1	1	0	0	0	18
2017									
March	9	4	2	1	2	1	0	0	19
June	7	2	6	0	4	1	0	0	20
September	11	3	3	3	3	1	0	0	24
12 Months ended									
September 2016	32	19	15	7	12	8	0	0	93
September 2017	34	14	15	5	10	3	0	0	81
% change	6.3	-26.3	0.0	-28.6	-16.7	-62.5	-	-	-12.9
Average annual % change over 3 years^a									
<i>12 mths end Sep 2015</i>									
<i>to 12 mths end Sep 2017</i>	16.7	-13.5	9.3	-16.2	-10.7	10.3	-	-	0.8

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 September 2017

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^a	17	9	7	3	7	1	0	0	44
Passengers ^a	2	0	1	1	2	0	0	0	6
Pedestrians	8	1	4	1	0	0	0	0	14
Motorcyclists ^b	7	3	2	0	0	2	0	0	14
Pedal cyclists ^b	0	1	1	0	1	0	0	0	3
All road users ^c	34	14	15	5	10	3	0	0	81

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 September 2017

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	3	1	3	2	10	0	0	0	19
Multiple vehicle crashes	23	12	8	2	0	3	0	0	48
Pedestrian crashes	8	1	4	1	0	0	0	0	14
All crash types	34	14	15	5	10	3	0	0	81

BUS INVOLVEMENT

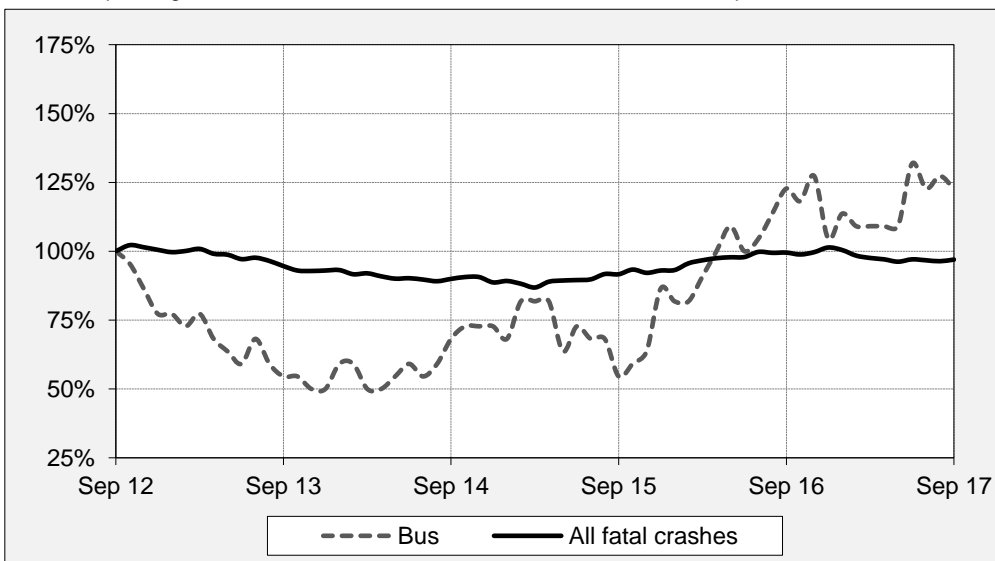
Table 9 Fatal crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
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
Quarters									
2015									
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
2017									
March	2	0	4	0	0	0	0	0	6
June	4	1	3	0	1	1	1	0	11
September	1	1	1	1	1	0	0	0	5
12 Months ended									
September 2016	10	5	4	1	4	1	2	0	27
September 2017	8	3	9	3	2	1	1	0	27
% change	-20.0	-40.0	125.0	200.0	-50.0	0.0	-50.0	-	0.0
Average annual % change over 3 years^a									
<i>12 mths end Sep 2015</i>									
<i>to 12 mths end Sep 2017</i>	19.5	9.6	-	39.0	2.9	-	-	-	29.4

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 September 2017

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 September 2012.



BUS INVOLVEMENT

Table 10 Deaths from crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Calendar Years									
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
Quarters									
2015									
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
2017									
March	2	0	4	0	0	0	0	0	6
June	4	1	5	0	1	1	1	0	13
September	1	1	1	1	1	0	0	0	5
12 Months ended									
September 2016	10	5	4	1	4	1	5	0	30
September 2017	8	3	11	3	2	1	1	0	29
% change	-20.0	-40.0	175.0	200.0	-50.0	0.0	-80.0	-	-3.3
Average annual % change over 3 years^a									
<i>12 mths end Sep 2015</i>									
<i>to 12 mths end Sep 2017</i>	19.5	-3.5	-	39.0	-4.0	-	-	-	27.3

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 September 2017

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers ^a	2	0	3	2	0	1	0	0	8
Passengers ^a	3	1	2	0	1	0	0	0	7
Pedestrians	3	1	5	1	0	0	1	0	11
Motorcyclists ^b	0	1	1	0	0	0	0	0	2
Pedal cyclists ^b	0	0	0	0	1	0	0	0	1
All road users ^c	8	3	11	3	2	1	1	0	29

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 September 2017

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	1	1	0	0	2	0	0	0	4
Multiple vehicle crashes	4	1	6	2	0	1	0	0	14
Pedestrian crashes	3	1	5	1	0	0	1	0	11
All crash types	8	3	11	3	2	1	1	0	29

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
- Transport Canberra and City 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 >

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