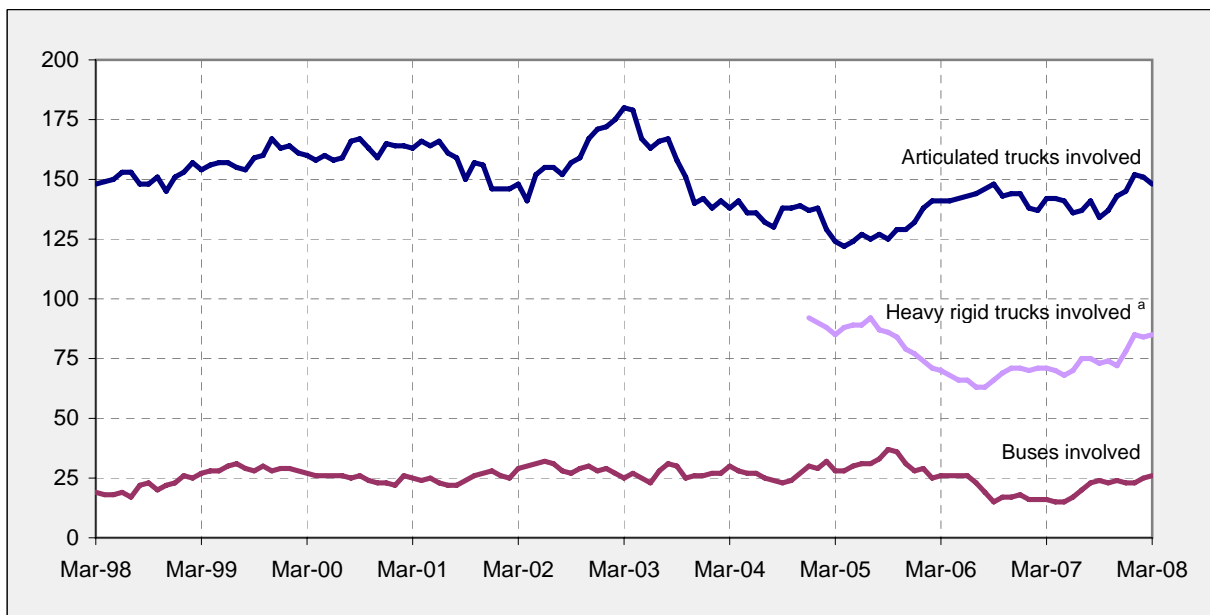




## Fatal crashes involving heavy vehicles, Australia, 12 month rolling total - Ten years ended March 2008

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



<sup>a</sup> Data unavailable prior to 2004.

### Key features

- During the 12 months to the end of March 2008, 294 people died from 251 crashes involving heavy trucks or buses. These included:
  - 183 deaths from 148 crashes involving articulated trucks
  - 92 deaths from 85 crashes involving heavy rigid trucks
  - 27 deaths from 26 crashes involving buses<sup>b</sup>.
- Fatal crashes involving articulated trucks:
  - increased by 4.2 per cent compared with the previous 12-month period
  - increased by an average of 5.5 per cent per year over the three years to March 2008.
- Fatal crashes involving heavy rigid trucks:
  - increased by 19.7 per cent compared with the previous 12-month period
  - increased by an average of 0.1 per cent per year over the three years to March 2008.

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

# Articulated Trucks - Fatal Crashes

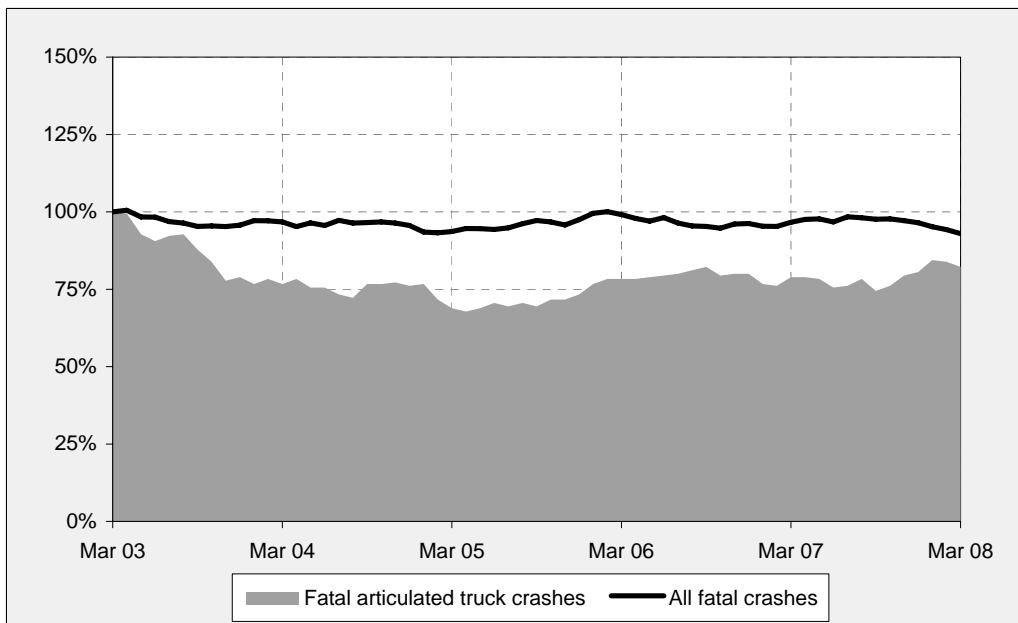
## Fatal crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2002	76	41	24	12	12	3	3	0	171
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	10	6	2	0	144
2007	54	30	38	5	12	4	2	0	145
<b>Quarters</b>									
2006									
March	18	5	6	3	1	3	1	0	37
June	14	7	8	2	5	0	1	0	37
September	8	8	12	1	1	3	0	0	33
December	17	6	8	3	3	0	0	0	37
2007									
March	16	9	4	0	4	1	1	0	35
June	10	5	11	2	2	0	1	0	31
September	10	6	11	2	2	0	0	0	31
December	18	10	12	1	4	3	0	0	48
2008									
March	11	9	16	2	0	0	0	0	38
<b>Year Ended (YE)</b>									
March 2007	55	30	32	6	13	4	2	0	142
March 2008	49	30	50	7	8	3	1	0	148
% change	-10.9	0.0	56.3	16.7	-38.5	-25.0	-50.0	-	4.2
<b>Average annual % change over 3 years <sup>a</sup></b>									
YE March 2005									
to YE March 2008	-0.8	2.5	48.0	-24.8	-7.6	-5.4	-18.8	-	5.5

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 March 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 March 2003.



## Articulated Trucks - Deaths

### Deaths from crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2002	86	49	28	13	14	3	7	0	200
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	11	8	2	0	168
2007	60	48	41	6	15	5	2	0	177
<b>Quarters</b>									
2006									
March	25	6	6	3	1	3	1	0	45
June	16	9	9	2	6	0	1	0	43
September	9	9	14	1	1	5	0	0	39
December	19	7	8	4	3	0	0	0	41
2007									
March	16	13	5	0	4	2	1	0	41
June	11	16	12	3	2	0	1	0	45
September	10	7	11	2	4	0	0	0	34
December	23	12	13	1	5	3	0	0	57
2008									
March	14	10	21	2	0	0	0	0	47
<b>Year Ended (YE)</b>									
March 2007	60	38	36	7	14	7	2	0	164
March 2008	58	45	57	8	11	3	1	0	183
% change	-3.3	18.4	58.3	14.3	-21.4	-57.1	-50.0	-	11.6
<b>Average annual % change over 3 years <sup>a</sup></b>									
YE March 2005									
to YE March 2008	0.1	13.8	49.3	-27.5	0.7	0.0	-18.8	-	8.7

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 March 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers <sup>b</sup>	36	20	38	5	5	2	0	0	106
Passengers <sup>b</sup>	10	18	9	1	4	0	1	0	43
Pedestrians	5	5	5	0	2	1	0	0	18
Motor cyclists <sup>c</sup>	4	2	4	0	0	0	0	0	10
Cyclists	3	0	1	2	0	0	0	0	6
All road users <sup>d</sup>	58	45	57	8	11	3	1	0	183

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 March 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	5	5	5	0	2	1	0	0	18
Other single vehicle crashes	8	6	15	0	0	0	0	0	29
Multiple vehicle crashes	45	34	37	8	9	2	1	0	136
All crash types	58	45	57	8	11	3	1	0	183

## Heavy Rigid Trucks - Fatal Crashes

### Fatal crashes involving heavy rigid trucks by State/Territory

	<i>NSW</i>	<i>Vic</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas</i>	<i>NT</i>	<i>ACT</i>	<b><i>Australia</i></b>
<b>Calendar Years</b>									
2002	38	N/A	18	11	N/A	N/A	3	1	N/A
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	6	2	1	1	77
2006	24	15	15	5	8	3	1	0	71
2007	28	23	10	5	10	1	1	0	78
<b>Quarters</b>									
2006									
<i>March</i>	5	3	3	1	1	1	0	0	14
<i>June</i>	5	6	3	2	2	0	1	0	19
<i>September</i>	4	5	5	2	2	1	0	0	19
<i>December</i>	10	1	4	0	3	1	0	0	19
2007									
<i>March</i>	2	4	2	3	3	0	0	0	14
<i>June</i>	7	4	5	0	1	1	0	0	18
<i>September</i>	8	7	2	1	3	0	1	0	22
<i>December</i>	11	8	1	1	3	0	0	0	24
2008									
<i>March</i>	2	8	6	1	2	1	1	0	21
<b>Year Ended (YE)</b>									
<i>March 2007</i>	21	16	14	7	10	2	1	0	71
<i>March 2008</i>	28	27	14	3	9	2	2	0	85
<i>% change</i>	33.3	68.8	0.0	-57.1	-10.0	0.0	100.0	-	19.7
<b>Average annual % change over 3 years <sup>a</sup></b>									
<i>YE March 2005</i>									
<i>to YE March 2008</i>	-1.0	-4.8	-0.5	-11.6	25.5	18.2	-	-	0.1

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
<b>Calendar Years</b>									
2002	41	N/A	19	11	N/A	N/A	3	1	N/A
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	6	2	1	1	87
2006	30	15	16	5	9	3	1	0	79
2007	29	25	11	5	10	1	2	0	83
<b>Quarters</b>									
2006									
March	7	3	3	1	1	1	0	0	16
June	7	6	3	2	2	0	1	0	21
September	4	5	5	2	3	1	0	0	20
December	12	1	5	0	3	1	0	0	22
2007									
March	2	4	2	3	3	0	0	0	14
June	8	4	5	0	1	1	0	0	19
September	8	8	3	1	3	0	2	0	25
December	11	9	1	1	3	0	0	0	25
2008									
March	2	9	7	1	2	1	1	0	23
<b>Year Ended (YE)</b>									
March 2007	25	16	15	7	11	2	1	0	77
March 2008	29	30	16	3	9	2	3	0	92
% change	16.0	87.5	6.7	-57.1	-18.2	0.0	200.0	-	19.5
<b>Average annual % change over 3 years <sup>a</sup></b>									
YE March 2005									
to YE March 2008	-5.5	-9.6	-3.5	-11.6	26.7	18.2	-	-	-3.5

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 March 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers <sup>b</sup>	12	12	12	2	7	1	3	0	49
Passengers <sup>b</sup>	6	4	3	0	0	1	0	0	14
Pedestrians	6	9	0	1	1	0	0	0	17
Motor cyclists <sup>c</sup>	2	5	0	0	1	0	0	0	8
Cyclists	3	0	1	0	0	0	0	0	4
All road users <sup>d</sup>	29	30	16	3	9	2	3	0	92

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 March 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	6	9	0	1	1	0	0	0	17
Other single vehicle crashes	1	0	4	1	0	1	0	0	7
Multiple vehicle crashes	22	21	12	1	8	1	3	0	68
All crash types	29	30	16	3	9	2	3	0	92

# Buses - Fatal Crashes

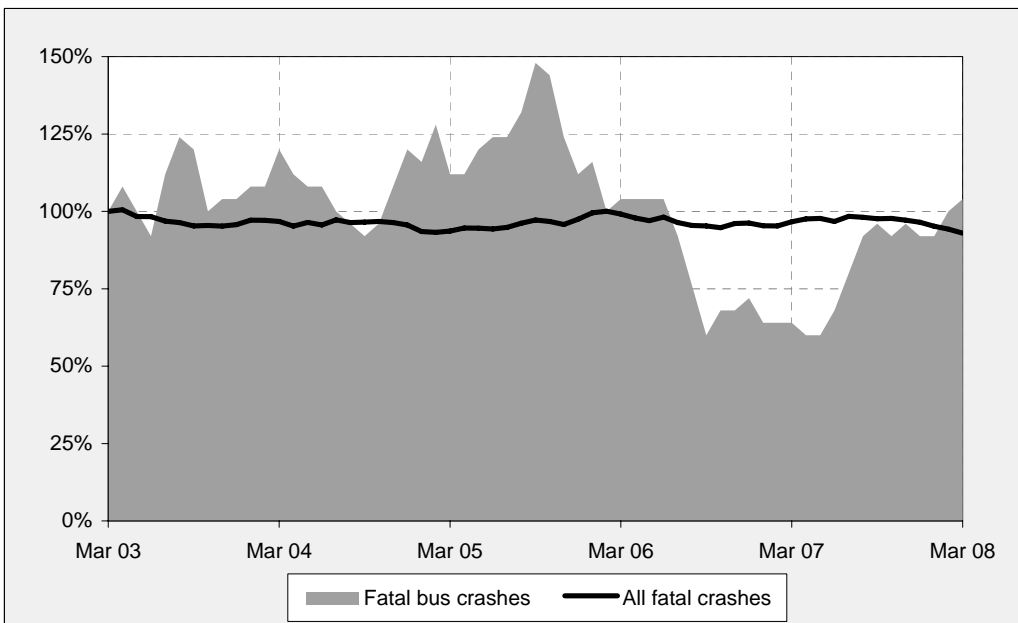
## Fatal crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2002	13	6	6	2	1	0	0	0	28
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	0	0	18
2007	11	4	7	1	0	0	0	0	23
<b>Quarters</b>									
2006									
March	2	2	1	0	0	0	0	0	5
June	3	0	2	1	0	1	0	0	7
September	0	0	1	0	0	0	0	0	1
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
<b>Year Ended (YE)</b>									
March 2007	5	2	6	1	1	1	0	0	16
March 2008	13	5	7	1	0	0	0	0	26
% change	160.0	150.0	16.7	0.0	-100.0	-100.0	-	-	62.5
<b>Average annual % change over 3 years <sup>a</sup></b>									
YE March 2005									
to YE March 2008	-15.5	-8.8	14.9	0.0	-	-	-	-	-6.8

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 March 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 March 2003.



## Buses - Deaths

### Deaths from crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2002	16	6	7	5	2	0	0	0	36
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	0	0	18
2007	11	4	7	1	0	0	0	0	23
<b>Quarters</b>									
2006									
March	2	2	1	0	0	0	0	0	5
June	3	0	2	1	0	1	0	0	7
September	0	0	1	0	0	0	0	0	1
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
<b>Year Ended (YE)</b>									
March 2007	5	2	6	1	1	1	0	0	16
March 2008	13	5	8	1	0	0	0	0	27
% change	160.0	150.0	33.3	0.0	-100.0	-100.0	-	-	68.8
<b>Average annual % change over 3 years <sup>a</sup></b>									
YE March 2005									
to YE March 2008	-18.8	-10.4	17.0	0.0	-	-	-	-	-8.5

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 March 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers <sup>b</sup>	5	3	1	1	0	0	0	0	10
Passengers <sup>b</sup>	2	0	2	0	0	0	0	0	4
Pedestrians	5	2	2	0	0	0	0	0	9
Motor cyclists <sup>c</sup>	0	0	2	0	0	0	0	0	2
Cyclists	1	0	1	0	0	0	0	0	2
All road users <sup>d</sup>	13	5	8	1	0	0	0	0	27

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 March 2008

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian crashes	5	2	2	0	0	0	0	0	9
Other single vehicle crashes	0	1	2	0	0	0	0	0	3
Multiple vehicle crashes	8	2	4	1	0	0	0	0	15
All crash types	13	5	8	1	0	0	0	0	27

# Appendix

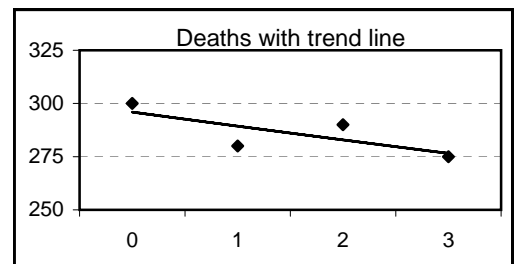
**Glossary** Note. The following definitions are general explanations only. The precise definitions vary across the organisations that provide the source data. These differences may result in minor inconsistencies between jurisdictions for some variables.

- 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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