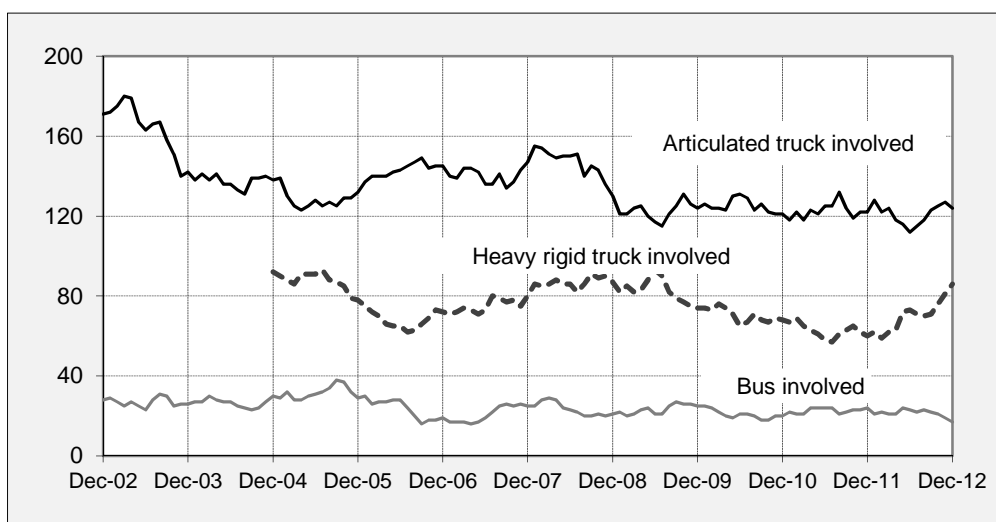




## Fatal crashes involving heavy vehicles, Australia — moving annual total

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



### Key features

- During the 12 months to the end of December 2012, 256 people died from 219 fatal crashes involving heavy trucks or buses. These included:
  - 148 deaths from 124 crashes involving articulated trucks,
  - 98 deaths from 86 crashes involving heavy rigid trucks,
  - 18 deaths from 17 crashes involving buses <sup>a</sup>.
- Fatal crashes involving articulated trucks:
  - increased by 1.6 per cent compared with the corresponding period one year earlier,
  - increased by an average of 0.1 per cent per year over the three years to December 2012.
- Fatal crashes involving heavy rigid trucks:
  - increased by 43.3 per cent compared with the corresponding period one year earlier,
  - increased by an average of 3.3 per cent per year over the three years to December 2012.

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

# ARTICULATED TRUCKS — FATAL CRASHES

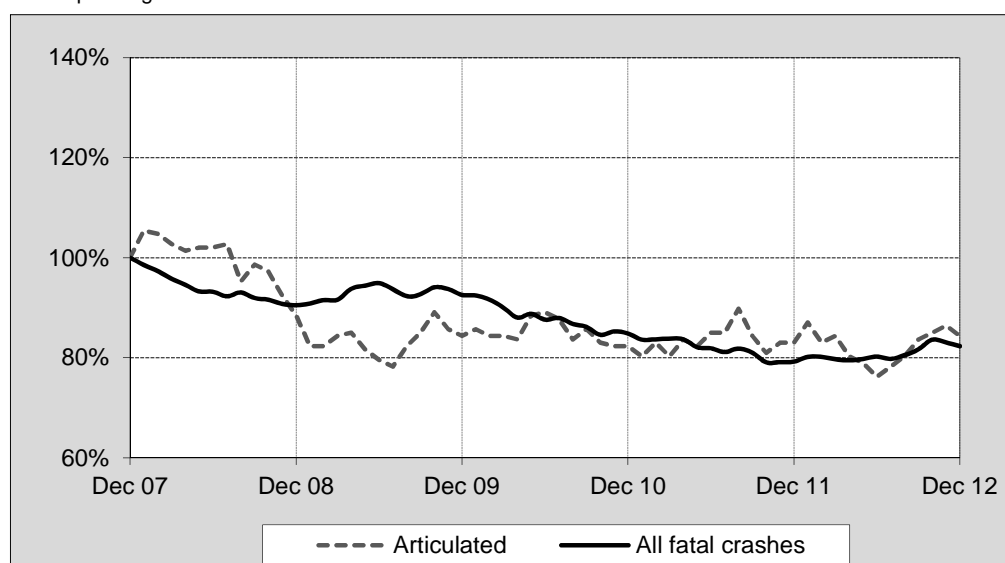
## Fatal crashes involving articulated trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2007	53	30	38	6	14	4	2	0	147
2008	47	22	35	9	8	6	3	0	130
2009	33	17	38	9	13	10	2	2	124
2010	41	31	25	7	12	3	1	1	121
2011	43	21	32	12	10	2	2	0	122
2012	39	29	35	9	7	3	2	0	124
<b>Quarters</b>									
2010									
December	8	5	8	2	5	1	0	0	29
2011									
March	8	6	9	5	2	0	0	0	30
June	8	6	9	5	6	2	0	0	36
September	17	5	4	1	2	0	0	0	29
December	10	4	10	1	0	0	2	0	27
2012									
March	10	3	9	5	3	2	0	0	32
June	12	5	6	0	0	1	0	0	24
September	8	10	15	2	3	0	2	0	40
December	9	11	5	2	1	0	0	0	28
<b>12 Months ended</b>									
December 2011	43	21	32	12	10	2	2	0	122
December 2012	39	29	35	9	7	3	2	0	124
% change	-9.3	38.1	9.4	-25.0	-30.0	50.0	0.0	-	1.6
<b>Average annual % change over 3 years<sup>a</sup></b>									
12 mths end Dec 2009									
to 12 mths end Dec 2012	5.6	12.9	0.0	5.5	-18.4	-33.1	7.2	-	0.1

<sup>a</sup> 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 2012

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 2007.



# ARTICULATED TRUCKS - DEATHS

## Deaths from crashes involving articulated 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>									
2007	59	48	41	7	20	5	2	0	182
2008	53	23	46	10	10	6	3	0	151
2009	47	20	40	11	15	11	2	2	148
2010	51	36	29	7	13	3	1	1	141
2011	47	23	39	13	12	2	2	0	138
2012	50	30	45	10	8	3	2	0	148
<b>Quarters</b>									
2010									
December	11	7	9	2	5	1	0	0	35
2011									
March	8	6	12	5	3	0	0	0	34
June	9	7	13	6	7	2	0	0	44
September	19	5	4	1	2	0	0	0	31
December	11	5	10	1	0	0	2	0	29
2012									
March	14	4	9	5	3	2	0	0	37
June	13	5	8	0	0	1	0	0	27
September	9	10	21	2	3	0	2	0	47
December	14	11	7	3	2	0	0	0	37
<b>12 Months ended</b>									
December 2011	47	23	39	13	12	2	2	0	138
December 2012	50	30	45	10	8	3	2	0	148
% change	6.4	30.4	15.4	-23.1	-33.3	50.0	0.0	-	7.2
<b>Average annual % change over 3 years <sup>a</sup></b>									
12 mths end Dec 2009									
to 12 mths end Dec 2012	1.0	8.0	6.7	3.4	-17.8	-35.0	7.2	-	-0.2

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 and road user — 12 months ended December 2012

	<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>
Drivers <sup>b</sup>	30	18	27	9	4	2	2	0	92
Passengers <sup>b</sup>	13	4	12	0	1	0	0	0	30
Pedestrians	3	6	5	0	2	1	0	0	17
Motor cyclists <sup>c</sup>	4	2	1	0	1	0	0	0	8
Cyclists	0	0	0	0	0	0	0	0	0
All road users <sup>d</sup>	50	30	45	10	8	3	2	0	148

b Includes drivers/passengers of light and heavy vehicles

c Includes pillion passengers

d Includes road users not separately specified

## Deaths from crashes involving articulated trucks by State/Territory and crash type — 12 months ended December 2012

	<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>
Single vehicle crashes	10	3	5	1	0	0	0	0	19
Multiple vehicle crashes	36	21	35	9	6	2	2	0	111
Pedestrian crashes	4	6	5	0	2	1	0	0	18
All crash types	50	30	45	10	8	3	2	0	148

# HEAVY RIGID TRUCKS - FATAL CRASHES

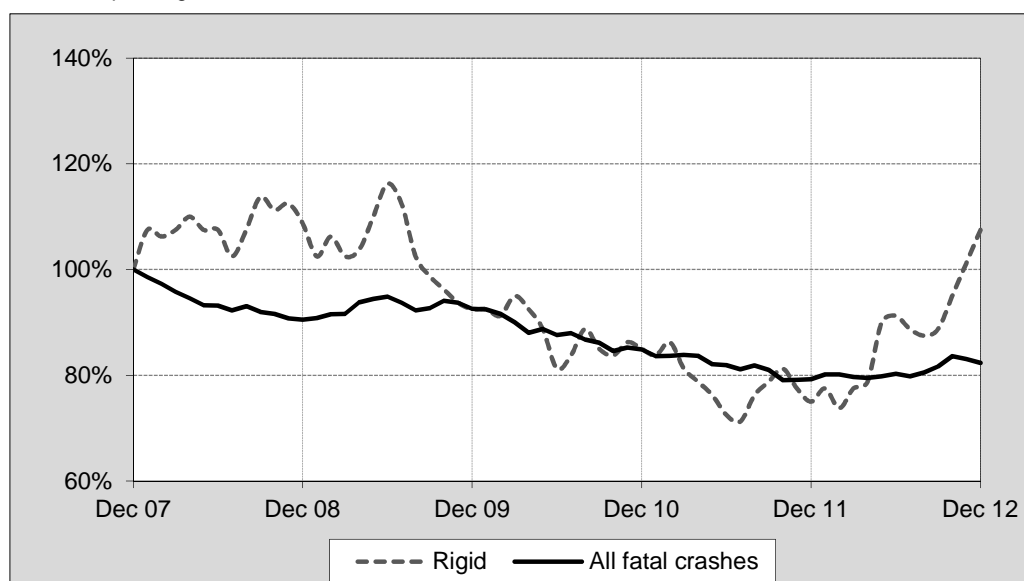
## Fatal crashes involving heavy rigid trucks by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2007	28	24	10	5	10	1	1	1	80
2008	12	24	21	9	17	2	2	0	87
2009	23	18	13	2	16	1	1	0	74
2010	20	19	12	2	10	4	0	1	68
2011	15	14	13	6	8	2	2	0	60
2012	22	15	23	6	16	2	1	1	86
<b>Quarters</b>									
2010									
December	2	6	3	1	0	2	0	0	14
2011									
March	5	3	1	1	4	2	0	0	16
June	2	2	3	2	2	0	0	0	11
September	3	6	7	3	1	0	2	0	22
December	5	3	2	0	1	0	0	0	11
2012									
March	5	4	4	1	4	0	0	0	18
June	5	2	8	2	3	1	1	0	22
September	7	5	3	0	4	1	0	0	20
December	5	4	8	3	5	0	0	1	26
<b>12 Months ended</b>									
December 2011	15	14	13	6	8	2	2	0	60
December 2012	22	15	23	6	16	2	1	1	86
% change	46.7	7.1	76.9	0.0	100.0	0.0	-50.0	-	43.3
<b>Average annual % change over 3 years<sup>a</sup></b>									
12 mths end Dec 2009									
to 12 mths end Dec 2012	-4.1	-8.2	19.6	55.2	-2.2	14.9	-	-	3.3

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 2012

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 2007.



# 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>									
2007	29	26	11	5	10	1	2	1	85
2008	12	25	24	10	18	2	2	0	93
2009	24	19	13	2	18	1	1	0	78
2010	24	24	15	2	12	5	0	1	83
2011	17	20	14	6	9	2	4	0	72
2012	23	16	27	7	19	4	1	1	98
<b>Quarters</b>									
2010									
December	2	6	3	1	0	2	0	0	14
2011									
March	5	3	1	1	4	2	0	0	16
June	2	2	4	2	3	0	0	0	13
September	4	6	7	3	1	0	4	0	25
December	6	9	2	0	1	0	0	0	18
2012									
March	6	4	4	1	4	0	0	0	19
June	5	2	9	3	3	1	1	0	24
September	7	5	6	0	5	3	0	0	26
December	5	5	8	3	7	0	0	1	29
<b>12 Months ended</b>									
December 2011	17	20	14	6	9	2	4	0	72
December 2012	23	16	27	7	19	4	1	1	98
% change	35.3	-20.0	92.9	16.7	111.1	100.0	-75.0	-	36.1
<b>Average annual % change over 3 years <sup>a</sup></b>									
12 mths end Dec 2009									
to 12 mths end Dec 2012	-4.6	-6.7	23.7	62.5	-1.2	38.3	-	-	5.6

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 – 12 months ended December 2012

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers <sup>b</sup>	12	10	13	5	11	0	1	1	53
Passengers <sup>b</sup>	6	0	4	1	2	3	0	0	16
Pedestrians	3	1	3	0	5	1	0	0	13
Motor cyclists <sup>c</sup>	2	4	5	0	1	0	0	0	12
Cyclists	0	1	2	1	0	0	0	0	4
All road users <sup>d</sup>	23	16	27	7	19	4	1	1	98

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 – 12 months ended December 2012

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	2	1	0	0	2	0	0	0	5
Multiple vehicle crashes	18	14	24	7	12	3	1	1	80
Pedestrian crashes	3	1	3	0	5	1	0	0	13
All crash types	23	16	27	7	19	4	1	1	98

## BUSES - FATAL CRASHES

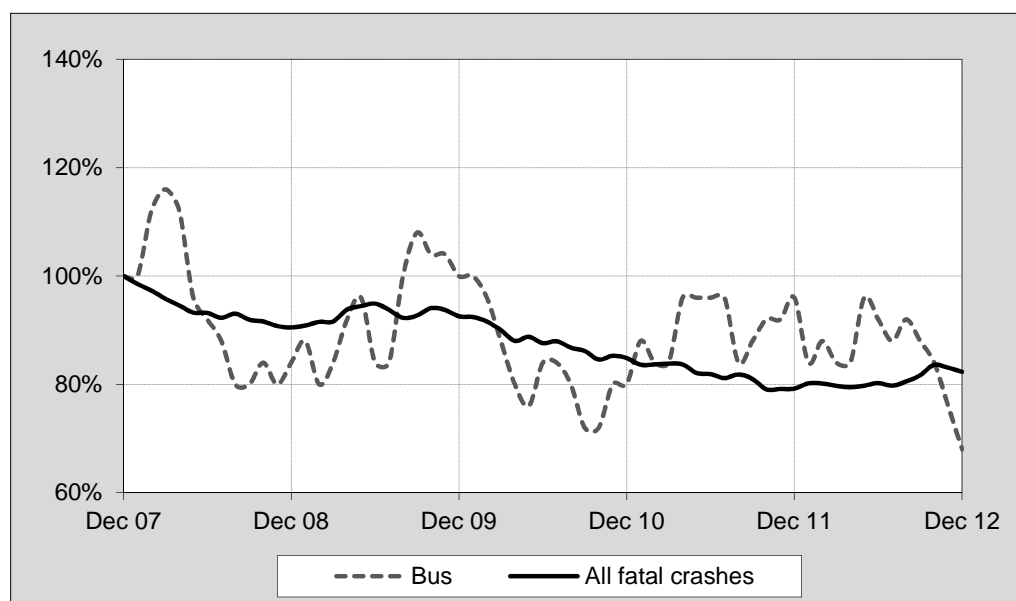
### Fatal crashes involving buses by State/Territory

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2007	11	4	7	1	2	0	0	0	25
2008	5	4	8	1	3	0	0	0	21
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
<b>Quarters</b>									
2010									
December	2	0	1	2	0	0	0	0	5
2011									
March	2	1	2	0	0	0	0	0	5
June	1	1	3	0	1	0	0	0	6
September	3	1	2	0	0	0	0	0	6
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
<b>12 Months ended</b>									
December 2011	11	5	7	0	1	0	0	0	24
December 2012	6	3	6	1	1	0	0	0	17
% change	-45.5	-40.0	-14.3	-	0.0	-	-	-	-29.2
<b>Average annual % change over 3 years<sup>a</sup></b>									
12 mths end Dec 2009									
to 12 mths end Dec 2012	-6.4	-11.0	-0.2	-	-	-	-	-	-9.3

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 2012

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 2007



## BUSES - DEATHS

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

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
<b>Calendar Years</b>									
2007	11	4	7	1	2	0	0	0	25
2008	5	4	9	1	3	0	0	0	22
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
<b>Quarters</b>									
2010									
December	2	0	1	2	0	0	0	0	5
2011									
March	2	1	3	0	0	0	0	0	6
June	1	1	3	0	1	0	0	0	6
September	3	1	2	0	0	0	0	0	6
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
<b>12 Months ended</b>									
December 2011	11	5	8	0	1	0	0	0	25
December 2012	6	3	7	1	1	0	0	0	18
% change	-45.5	-40.0	-12.5	-	0.0	-	-	-	-28.0
<b>Average annual % change over 3 years <sup>a</sup></b>									
12 mths end Dec 2009									
to 12 mths end Dec 2012	-9.7	-21.2	-3.7	-	-	-	-	-	-13.6

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 - 12 months ended December 2012

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Drivers <sup>b</sup>	2	1	3	0	0	0	0	0	6
Passengers <sup>b</sup>	1	0	2	1	0	0	0	0	4
Pedestrians	3	1	1	0	0	0	0	0	5
Motor cyclists <sup>c</sup>	0	1	1	0	1	0	0	0	3
Cyclists	0	0	0	0	0	0	0	0	0
All road users <sup>d</sup>	6	3	7	1	1	0	0	0	18

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 - 12 months ended December 2012

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Single vehicle crashes	0	0	0	1	1	0	0	0	2
Multiple vehicle crashes	3	2	6	0	0	0	0	0	11
Pedestrian crashes	3	1	1	0	0	0	0	0	5
All crash types	6	3	7	1	1	0	0	0	18

## APPENDIX

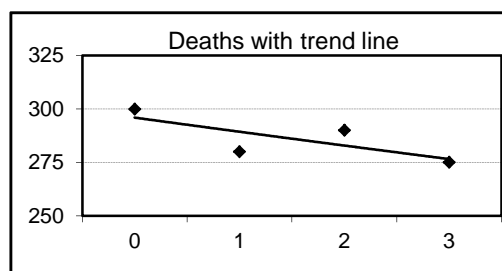
**Glossary** Note. The following definitions are general explanations only. The precise definitions vary across the organisations that provide the source data. These differences may result in minor inconsistencies between jurisdictions for some variables.

<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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 Internet: < <http://www.bitre.gov.au/> >