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Bureau of Infrastructure, Transport and Regional Economics

STATISTICAL REPORT



Road trauma involving heavy vehicles 2016 statistical summary

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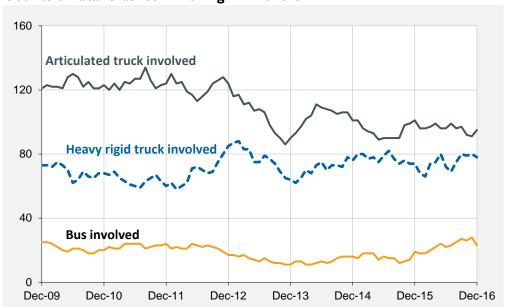
Road trauma involving heavy vehicles 2016 statistical summary

Department of Infrastructure and Regional Development Canberra, Australia

At a glance

This report presents counts and rates of fatal crashes, fatalities and hospitalised injuries from road traffic crashes in which one or more heavy vehicles were involved. Percentage changes for the latest calendar year, and annual average changes over recent years are given.

Counts of fatal crashes - moving 12 months



In 2016, 213 people were killed in crashes involving heavy vehicles. This was the same number of people killed as 2015. Of this total, 50.2 per cent occurred in crashes involving an articulated truck (down compared to 2015), 42.7 per cent involved a heavy rigid truck (up compared to 2015), and 11.3 per cent involved a bus (up marginally on 2015). (Table 1.1, p. 2 and Figure 1.1, p. 2).

In 2016, there were 190 fatalities in crashes involved heavy trucks (articulated and rigid trucks), a reduction of three on 2015. Over the last decade, the annual number of fatalities in crashes involving a heavy truck has decreased at an average estimated trend of 3.0 per cent per year (Table 1.1, p. 2).

Over the last ten years, annual deaths from crashes involving heavy vehicles decreased by 25.3 per cent. The estimated trend over the decade is a reduction of 3.0 per cent per year (Table 1.1, p. 2).

Vehicle occupants (driver or passenger) account for 77.0 per cent of fatalities from crashes involving a heavy vehicle (average for 2012-2015, up on the previous four year period). The remainder are pedestrians (11.4 per cent), motorcyclists (7.8 per cent) and pedal cyclists (3.7 per cent). Of total vehicle occupant deaths, 23.9 per cent are heavy vehicle occupants – this proportion was down compared with the previous four year period (Table 1.8, p. 10 and Figure 1.5, p. 10).

Approximately 1,700 people are hospitalised from crashes involving heavy vehicles each year – 5.0 per cent of all road traffic crash hospitalised injuries. This estimate is unchanged for the last three years of available data (2012-13 to 2014-15) (Table 1.12, p. 14).

In 2016, there were 169 fatal crashes involved heavy trucks (articulated or rigid trucks), a reduction of four crashes on 2015. Over the last decade, the annual number of fatal crashes involving a heavy truck has decreased at an average estimated trend of 2.7 per cent per year (Table 2.1, p. 18).

Analysis by geographical region for 2015 shows that most (73.7 per cent) fatal articulated truck involved crashes occur in a Regional area, down marginally on 2014. The remainder occur in a Remote area (10.1 per cent, up marginally) and in a Major city (16.2 per cent, down marginally). The corresponding proportions for fatal heavy rigid truck involved crashes are 58.9 per cent (Regional, up), 6.8 per cent (Remote, up) and 34.2 (Major city, down) (Table 2.8, p. 28).

Between 2011 and 2015, 50.8 per cent of fatal crashes involving heavy vehicles occurred on national or state highways. For the three types of heavy vehicles the proportions are: articulated trucks (65.2 per cent), heavy rigid trucks (36.1 per cent) and buses (21.8 per cent) (Table 2.7, p. 26).

Over the decade to 2016, national rates of fatal-crashes-involving-heavy-vehicles per registration have fallen substantially. For articulated truck involved crashes the reduction was 50.2 per cent, for fatal crashes involving heavy rigid trucks the reduction was 11.9 per cent and for bus involved fatal crashes the rate declined by 26.1 per cent. (Table 3.1, p. 36).

Over the last 25 years, counts of fatal crashes involving articulated trucks have decreased by 39.7 per cent. By jurisdiction, the reductions range from 0.0 per cent for Queensland to 64.1 per cent for New South Wales (Table 4.5, p. 50). During this time however, registrations have increased by 44 per cent (New South Wales) and 134 per cent (Queensland).

Vulnerable road users (pedestrians, motorcyclists and pedal cyclists) account for 15 per cent of fatalities in crashes where an articulated truck is involved. This proportion has not changed in 25 years. For bus involved crashes, vulnerable road users account for 50 per cent of fatalities (slightly higher than 25 years ago) (Table 4.3, p. 46).

Data Sources

The tables in this report are based on two databases: the Australian Road Deaths Database (ARDD) and the National Crash Database (NCD).

The Australian Road Deaths Database contains national road crash fatality data comprising basic demographic and crash information. Fatal crashes since 1989 are included and it is updated each month. The current data in spreadsheet format is available at https://www.bitre.gov.au. For this report, the May 2017 data was used.

The scope of the National Crash Database is national fatal and injury crashes and at present it covers the years 2008 to 2015. It is updated annually.

Due to the timing differences in data receipt and ongoing validation by data providers, there are minor data differences between the two databases.

Non-fatal road traffic crash casualty data (referred to here as 'hospitalised injury') is collated from published reports by the Australian Institute of Health and Welfare (AIHW) and by the National Injury Surveillance Unit (NISU), as well as from unpublished National Hospital Morbidity Database reports compiled by NISU. Refer to AIHW 2008 for information regarding inclusion criteria for traffic crash hospitalised injuries.

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Main Roads Western Australia;

Department of State Growth, Tasmania;

Department of Transport, Northern Territory;

Transport Canberra and City Services Directorate, Australian Capital Territory;

National Injury Surveillance Unit, Flinders University;

Australian Institute of Health and Welfare.

Contents

| At a glance | | iii |
|----------------|-------------------|-----|
| Data Sources . | | v |
| Acknowledgen | nents | v |
| | | |
| SECTION I | People | I |
| SECTION 2 | Crashes | |
| SECTION 3 | Rates | |
| | Historical series | |
| SECTION 5 | Exposure series | 55 |
| | | |
| Glossary | | 62 |
| References | | 64 |

Tables

| Table I.I | Deaths from crashes involving heavy vehicles | 2 |
|------------|--|-------|
| Table I.2 | Deaths from crashes involving heavy vehicles by state/territory | 4 |
| Table I.3 | Deaths from crashes involving heavy vehicles by age group | 5 |
| Table 1.4 | Deaths from crashes involving heavy vehicles by road user | 6 |
| Table 1.5 | Deaths by crash type for crashes involving heavy vehicles | 7 |
| Table 1.6 | Deaths by crash type for crashes involving heavy vehicles and crashes not invheavy vehicles | |
| Table 1.7 | Deaths from crashes involving heavy vehicles by common crash sub-types | 9 |
| Table 1.8 | Vehicle type and road user type of killed person from crashes involving vehicles | - |
| Table 1.9 | The number of deaths from heavy vehicle involved crashes – validity of heavy vehicle involved crashes – validit | |
| Table 1.10 | The number of deaths from heavy vehicle involved crashes – heavy vehicle BAC status (excludes Victoria and WA) | |
| Table I.II | The number of deaths from heavy vehicle involved crashes – restraint use of vehicle occupants | |
| Table 1.12 | Hospitalised injury due to road vehicle traffic crashes involving heavy vehicle | s I 4 |
| Table 1.13 | High threat to life injury in road traffic crashes involving heavy vehic state/territory | |
| Table 2.1 | Fatal crashes involving heavy vehicles | 18 |
| Table 2.2 | Fatal crashes involving heavy vehicles by state/territory | 20 |
| Table 2.3 | Fatal crashes involving heavy vehicles by speed zone | 21 |
| Table 2.4 | Fatal crashes involving heavy vehicles by crash type | 22 |
| Table 2.5 | Common crash type (sub-groups) for fatal crashes involving a heavy truck 2015 | |
| Table 2.6 | Fatal crashes involving heavy vehicles by common crash sub-types | 25 |
| Table 2.7 | Fatal crashes involving heavy vehicles by road type | 26 |
| Table 2.8 | Fatal crashes involving heavy vehicles by remoteness region | 28 |
| Table 2.9 | Fatal crashes by Significant Urban Area (SUA) | 29 |
| Table 2.10 | Fatal crashes by Urban Centre and Locality (UCL) | 30 |
| Table 2.11 | Fatal crashes involving heavy vehicles — validity of heavy vehicle driver's I (excludes WA) | |
| Table 2.12 | Fatal crashes involving heavy vehicles – specified heavy vehicle driver BAC (excludes Victoria and WA) | |
| Table 2 13 | Fatal crashes involving heavy vehicles by weekly time block | 33 |

Tables (continued)

| Table 3.1 | Heavy vehicle involved fatal crash rates per 10,000 heavy vehicles registrations. | 36 |
|-----------|--|------------|
| Table 3.2 | Heavy vehicle involved fatal crash rates per billion vehicle kilometres trave (VKT) by state | |
| Table 3.3 | Fatal crash rates involving heavy vehicles per 10,000 heavy vehicle licence hold | lers 39 |
| Table 4.1 | Deaths from crashes involving heavy vehicles by state/territory 1989-2016 | 42 |
| Table 4.2 | Deaths from crashes involving heavy vehicles by age group 1989–2016 | 44 |
| Table 4.3 | Deaths from crashes involving heavy vehicles by road user 1989–2016 | 46 |
| Table 4.4 | Deaths by crash type for crashes involving heavy vehicles 1989–2016 | 48 |
| Table 4.5 | Fatal crashes involving heavy vehicles by state/territory 1989–2016 | 50 |
| Table 4.6 | Fatal crashes involving heavy vehicles by crash type 1989–2016 | 52 |
| Table 5.1 | Motor vehicles on register, heavy vehicles, by state/territory | 56 |
| Table 5.2 | Estimated vehicle kilometres travelled (VKT) – billion kilometres (financial ye | ΕÓ |

Figures

| Figure I.I | 2016 Snapshot – fatalities by type of heavy vehicle involved | 2 |
|------------|---|----|
| Figure 1.2 | Deaths from crashes involving heavy vehicles | 3 |
| Figure 1.3 | Distribution of fatalities in crashes involving heavy vehicles by state/territory 20 2016 | |
| Figure 1.4 | Deaths by crash type for crashes involving heavy vehicles and crashes not involved heavy vehicles | _ |
| Figure 1.5 | Composition of fatalities in crashes involving heavy vehicles | 10 |
| Figure 1.6 | Hospitalised injury due to road vehicle traffic crashes involving heavy vehicles | 14 |
| Figure 2.1 | 2016 Snapshot – fatal crashes by type of heavy vehicle involved | 18 |
| Figure 2.2 | Fatal crashes involving heavy vehicles | 19 |
| Figure 2.3 | Distribution of fatal crashes involving heavy vehicles by state/territory 2014-2 | |
| Figure 2.4 | Common crash type (sub-groups) for fatal crashes involving a heavy truck 20 2015 | |
| Figure 2.5 | Common crash type (main groups) for fatal crashes involving a heavy truck 20 2015 | |
| Figure 2.6 | ASGS Remoteness Areas 2011 and selected cities and towns | 27 |
| Figure 2.7 | Fatal crashes involving heavy vehicles by weekly time block | 34 |
| Figure 3.1 | Heavy vehicle involving fatal crash rates per 10,000 heavy vehicles registrations | 37 |

SECTION I

People

This section presents annual counts of deaths and hospitalised injuries from crashes which involve a heavy vehicle (articulated truck, heavy rigid truck or bus). Percentage changes for the latest calendar years and annual averages over the last several years are given.

Deaths

- In 2016, 213 people were killed in crashes involving heavy vehicles. This was the same number of people killed as 2015. Of this total, 50.2 per cent occurred in crashes involving an articulated truck (down compared to 2015), 42.7 per cent involved a heavy rigid truck (up compared to 2015), and 11.3 per cent involved a bus (up marginally on 2015). (Table 1.1, p. 2 and Figure 1.1, p. 2).
- In 2016, there were 190 fatalities in crashes involved heavy trucks (articulated and rigid trucks), a reduction of three on 2015. Over the last decade, the annual number of fatalities in crashes involving a heavy truck has decreased at an average estimated trend of 3.0 per cent per year (Table 1.1, p. 2).
- Over the last ten years, annual deaths from crashes involving heavy vehicles decreased by 25.3 per cent. The estimated trend over the decade is a reduction of 3.0 per cent per year (Table 1.1, p. 2).
- Vehicle occupants (driver or passenger) account for 77.0 per cent of fatalities from crashes involving a heavy vehicle (average for 2012-2015, up on the previous four year period). The remainder are pedestrians (11.4 per cent), motorcyclists (7.8 per cent) and pedal cyclists (3.7 per cent). Of total vehicle occupant deaths, 23.9 per cent are heavy vehicle occupants this proportion was down compared with the previous four year period (Table 1.8, p. 10 and Figure 1.5, p. 10).
- Most fatalities in crashes that involve heavy vehicles occur in multiple vehicle crashes. Such crashes account for 85.0 per cent of fatalities (for articulated truck involved crashes), 81.3 per cent of fatalities (for heavy rigid involved crashes) and 54.2 per cent of fatalities (for bus involved crashes) (Table 1.5, p. 7).
- Other key heavy vehicle crash types tabulated are 'intersection' crashes, 'head-on' crashes and 'single vehicle run-off road' crashes. For crashes with articulated truck involvement, the proportions of fatalities in each are 22.5 per cent, 38.7 per cent and 9.0 per cent respectively. For heavy rigid truck involved crashes, the respective proportions of fatalities are 29.3 per cent, 30.5 per cent and 3.7 per cent (Table 1.7, p. 9).

Hospitalised injuries

- Approximately 1,700 people are hospitalised from crashes involving heavy vehicles each year -5.0 per cent of all road traffic crash hospitalised injuries. This estimate is unchanged for the last three years of available data (2012-13 to 2014-15) (Table 1.12, p. 14).
- Approximately 43 per cent of hospitalised injuries in crashes involving heavy vehicles are of occupants of the heavy vehicle (Table 1.12, p. 14).

Table 1.1 Deaths from crashes involving heavy vehicles

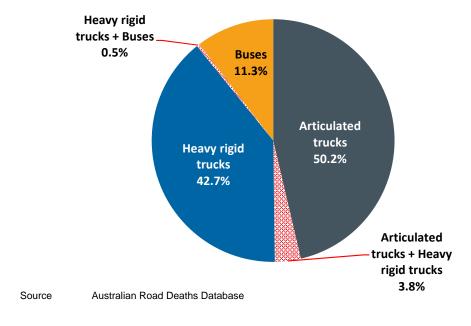
| | Articulated trucks | Heavy rigid trucks ^a | Any heavy truck ^b | Buses | Any heavy vehicle ^b |
|------------------------------|-----------------------|------------------------------------|---------------------------------|-------|-----------------------------------|
| 2007 | 181 | 85 | 261 | 25 | 285 |
| 2008 | 149 | 91 | 237 | 21 | 258 |
| 2009 | 145 | 77 | 214 | 31 | 245 |
| 2010 | 143 | 81 | 214 | 21 | 234 |
| 2011 | 140 | 72 | 208 | 25 | 232 |
| 2012 | 148 | 97 | 240 | 18 | 255 |
| 2013 | 110 | 69 | 175 | 12 | 187 |
| 2014 | 115 | 88 | 202 | 20 | 221 |
| 2015 | 114 | 82 | 193 | 22 | 213 |
| 2016 | 107 | 91 | 190 | 24 | 213 |
| Ave. trend change p.a.(%) | | | | | |
| - for last 10 calendar years | -5.0 | 0.2 | -3.0 | -2.5 | -3.0 |
| - for last 5 calendar years | -5.9 | 0.5 | -3.6 | 12.5 | -2.3 |
| - for last 3 calendar years | -3.5 | 1.7 | -3.0 | 9.5 | -1.8 |

a Only available from 2004.

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

Source Australian Road Deaths Database

Figure 1.1 2016 Snapshot – fatalities by type of heavy vehicle involved



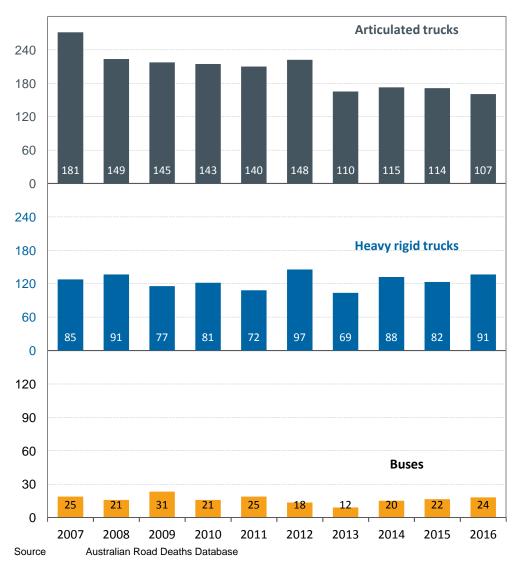
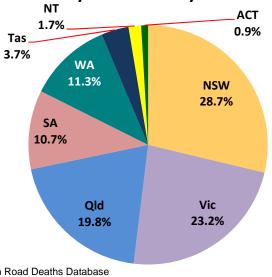


Figure 1.2 Deaths from crashes involving heavy vehicles

Distribution of fatalities in crashes involving heavy Figure 1.3 vehicles by state/territory 2014-2016



Source

Australian Road Deaths Database

Table 1.2 Deaths from crashes involving heavy vehicles by state/territory

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|------------------------------|-------|-------|-------|-------|-------|------|----|-------|-----------|
| Articulated trucks | | | | | | | | | |
| 2007 | 59 | 47 | 41 | 7 | 20 | 5 | 2 | 0 | 181 |
| 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 | 13 | 2 | 3 | 0 | 140 |
| 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 | 27 | 23 | 25 | 11 | 10 | 5 | 5 | 1 | 107 |
| Ave. trend change p.a.(%) | | | | | | | | | |
| - for last 10 calendar years | -7.9 | -4.7 | -4.9 | 5.2 | -4.9 | -5.7 | - | - | -5.0 |
| - for last 5 calendar years | -11.1 | -1.9 | -13.1 | 5.1 | 5.5 | 15.3 | - | - | -5.9 |
| - for last 3 calendar years | -6.7 | -7.7 | -11.6 | -4.3 | 29.1 | 0.0 | - | -29.3 | -3.5 |
| Heavy rigid trucks | | | | | | | | | |
| 2007 | 29 | 26 | 11 | 5 | 10 | 1 | 2 | 1 | 85 |
| 2008 | 12 | 23 | 24 | 9 | 19 | 2 | 2 | 0 | 91 |
| 2009 | 24 | 19 | 13 | 2 | 18 | 1 | 0 | 0 | 77 |
| 2010 | 24 | 21 | 15 | 2 | 13 | 5 | 0 | 1 | 81 |
| 2011 | 17 | 20 | 14 | 6 | 9 | 2 | 4 | 0 | 72 |
| 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 | 19 | 13 | 8 | 11 | 6 | 0 | 0 | 91 |
| Ave. trend change p.a.(%) | | | | | | | | | |
| - for last 10 calendar years | 3.8 | -2.0 | -1.5 | 5.5 | -2.5 | - | - | - | 0.2 |
| - for last 5 calendar years | 8.6 | 9.5 | -11.3 | -0.2 | -13.1 | - | - | - | 0.5 |
| - for last 3 calendar years | 27.2 | -19.1 | 20.2 | -27.0 | 0.0 | 41.4 | - | - | 1.7 |
| Buses | | | | | | | | | |
| 2007 | 11 | 4 | 7 | 1 | 2 | 0 | 0 | 0 | 25 |
| 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 | 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 |
| Ave. trend change p.a.(%) | | | | | | | | | |
| - for last 10 calendar years | -4.7 | -3.4 | -15.9 | - | - | - | - | - | -2.5 |
| - for last 5 calendar years | 21.4 | 0.4 | -24.4 | - | - | - | - | - | 12.5 |
| | 29.1 | -29.3 | 73.2 | 73.2 | -34.5 | | | | 9.5 |

Table 1.3 Deaths from crashes involving heavy vehicles by age group

| | 0 to 16 | 17 to 25 | 26 to 39 | 40 to 64 | ≥65 | Total ^a |
|---|---------|----------|----------|----------|------|--------------------|
| Articulated trucks | | | | | | |
| 2007 | 10 | 31 | 48 | 66 | 26 | 181 |
| 2008 | 8 | 29 | 31 | 56 | 25 | 149 |
| 2009 | 11 | 25 | 29 | 62 | 18 | 145 |
| 2010 | 8 | 25 | 28 | 57 | 25 | 143 |
| 2011 | 3 | 23 | 27 | 68 | 19 | 140 |
| 2012 | 6 | 12 | 45 | 60 | 24 | 148 |
| 2013 | 5 | 14 | 26 | 40 | 25 | 110 |
| 2014 | 4 | 22 | 26 | 45 | 18 | 115 |
| 2015 | 3 | 15 | 24 | 48 | 24 | 114 |
| 2016 | 2 | 14 | 27 | 47 | 17 | 107 |
| Ave. trend change p.a.(%) - for the last 10 years | -15.2 | -8.6 | -4.3 | -4.1 | -2.3 | -5.0 |
| Heavy rigid trucks | | | | | | |
| 2007 | 7 | 14 | 24 | 28 | 12 | 85 |
| 2008 | 5 | 19 | 22 | 29 | 16 | 91 |
| 2009 | 4 | 7 | 19 | 31 | 16 | 77 |
| 2010 | 8 | 14 | 12 | 32 | 15 | 81 |
| 2011 | 4 | 15 | 10 | 32 | 11 | 72 |
| 2012 | 3 | 24 | 22 | 27 | 21 | 97 |
| 2013 | 6 | 10 | 11 | 27 | 15 | 69 |
| 2014 | 7 | 10 | 19 | 36 | 16 | 88 |
| 2015 | 2 | 9 | 25 | 28 | 18 | 82 |
| 2016 | 6 | 19 | 15 | 35 | 16 | 91 |
| Ave. trend change p.a.(%) - for the last 10 years | -3.7 | -0.7 | -1.7 | 1.1 | 2.5 | 0.2 |
| Buses | | | | | | |
| 2007 | 1 | 2 | 7 | 10 | 5 | 25 |
| 2008 | 2 | 6 | 5 | 5 | 3 | 21 |
| 2009 | 5 | 9 | 2 | 10 | 5 | 31 |
| 2010 | 0 | 4 | 9 | 6 | 2 | 21 |
| 2011 | 2 | 3 | 7 | 8 | 5 | 25 |
| 2012 | 1 | 1 | 2 | 7 | 7 | 18 |
| 2013 | 1 | 1 | 2 | 6 | 2 | 12 |
| 2014 | 4 | 4 | 4 | 6 | 2 | 20 |
| 2015 | 1 | 2 | 6 | 8 | 5 | 22 |
| 2016 | 0 | 2 | 5 | 8 | 9 | 24 |
| Ave. trend change p.a.(%) | - | -9.8 | -2.4 | -0.8 | 2.8 | -2.5 |

⁻ for the last 10 years

Source

Includes deaths to persons with age not recorded.
Australian Road Deaths Database

Table 1.4 Deaths from crashes involving heavy vehicles by road user

| | Driver ^a | Passenger ^a | Pedestrian | Motorcyclist b | Pedal cyclist ^b | Total ^c |
|---|---------------------|------------------------|------------|----------------|----------------------------|--------------------|
| Articulated trucks | | | | | | |
| 2007 | 103 | 44 | 19 | 10 | 5 | 181 |
| 2008 | 94 | 23 | 17 | 11 | 4 | 149 |
| 2009 | 97 | 25 | 20 | 3 | 0 | 145 |
| 2010 | 80 | 36 | 14 | 7 | 6 | 143 |
| 2011 | 86 | 26 | 20 | 6 | 2 | 140 |
| 2012 | 93 | 30 | 16 | 8 | 0 | 148 |
| 2013 | 70 | 21 | 10 | 7 | 2 | 110 |
| 2014 | 74 | 20 | 10 | 8 | 3 | 115 |
| 2015 | 79 | 19 | 8 | 5 | 3 | 114 |
| 2016 | 72 | 19 | 5 | 8 | 3 | 107 |
| Ave. trend change p.a.(%) - for the last 10 years | -3.6 | -6.7 | -12.5 | -1.4 | - | -5.0 |
| Heavy rigid trucks | | | | | | |
| 2007 | 48 | 10 | 12 | 8 | 7 | 85 |
| 2008 | 49 | 13 | 15 | 11 | 2 | 91 |
| 2009 | 43 | 12 | 10 | | 3 | 77 |
| 2010 | 39 | 21 | 7 | 9 | 5 | 81 |
| 2011 | 34 | 14 | 14 | | 4 | 72 |
| 2012 | 53 | 16 | 13 | | | 97 |
| 2013 | 33 | 9 | 16 | | 6 | 69 |
| 2014 | 47 | 15 | 10 | | | 88 |
| 2015 | 49 | 11 | 9 | 7 | 6 | 82 |
| 2016 | 57 | 13 | 7 | 10 | 3 | 91 |
| Ave. trend change p.a.(%) - for the last 10 years | 1.2 | -0.1 | -3.6 | -0.5 | 1.1 | 0.2 |
| Buses | | | | | | |
| 2007 | 10 | 3 | 7 | 2 | 3 | 25 |
| 2008 | 2 | 7 | 4 | | 1 | 21 |
| 2009 | 9 | 12 | 7 | | 1 | 31 |
| 2010 | 7 | 2 | 3 | | 1 | 21 |
| 2011 | 3 | 5 | 13 | | 2 | 25 |
| 2012 | 6 | 4 | 5 | 3 | 0 | 18 |
| 2013 | 5 | 1 | 1 | 2 | 3 | 12 |
| 2014 | 3 | 6 | 6 | 2 | 3 | 20 |
| 2015 | 10 | 7 | 2 | 3 | 0 | 22 |
| 2016 | 9 | 3 | 9 | 3 | 0 | 24 |
| Ave. trend change p.a.(%) | 2.8 | -3.4 | -4.5 | -3.6 | - | -2.5 |

⁻ for the last 10 years

a Includes drivers/passengers of light and heavy vehicles.

b Includes pillion passengers.

c Includes road users not separately specified. Source Australian Road Deaths Database

Table 1.5 Deaths by crash type for crashes involving heavy vehicles

| | Single vehicle | Multiple vehicle | Pedestrian | | Single vehicle | Multiple vehicle | Pedestrian |
|------------------------------|-------------------|---------------------|------------|-------|-------------------|---------------------|------------|
| Articulated trucks | | | | Buses | | | |
| 2007 | 33 | 129 | 19 | 2007 | 1 | 17 | 7 |
| 2008 | 25 | 107 | 17 | 2008 | 6 | 11 | 4 |
| 2009 | 31 | 94 | 20 | 2009 | 9 | 15 | 7 |
| 2010 | 15 | 114 | 14 | 2010 | 3 | 15 | 3 |
| 2011 | 20 | 100 | 20 | 2011 | 3 | 9 | 13 |
| 2012 | 19 | 112 | 17 | 2012 | 2 | 11 | 5 |
| 2013 | 8 | 92 | 10 | 2013 | 0 | 11 | 1 |
| 2014 | 17 | 88 | 10 | 2014 | 4 | 10 | 6 |
| 2015 | 19 | 87 | 8 | 2015 | 1 | 19 | 2 |
| 2016 | 11 | 91 | 5 | 2016 | 2 | 13 | 9 |
| Ave. trend change p.a.(%) | | | _ | | | | |
| - for last 10 calendar years | -9.7 | -3.2 | -12.4 | | - | -0.8 | -4.5 |
| - for last 5 calendar years | -2.3 | -4.6 | -23.4 | | - | 9.2 | 20.5 |
| - for last 3 calendar years | -19.6 | 1.7 | -29.3 | | -29.3 | 14.0 | 22.5 |

| | Single ehicle | Multiple vehicle | Pedestrian |
|------------------------------|------------------|---------------------|------------|
| Heavy rigid trucks | | | _ |
| 2007 | 6 | 67 | 12 |
| 2008 | 12 | 64 | 15 |
| 2009 | 7 | 60 | 10 |
| 2010 | 7 | 67 | 7 |
| 2011 | 7 | 51 | 14 |
| 2012 | 5 | 79 | 13 |
| 2013 | 4 | 49 | 16 |
| 2014 | 7 | 71 | 10 |
| 2015 | 7 | 66 | 9 |
| 2016 | 10 | 74 | 7 |
| Ave. trend change p.a.(%) | | | |
| - for last 10 calendar years | -0.7 | 0.9 | -3.6 |
| - for last 5 calendar years | 21.5 | 1.7 | -16.6 |
| - for last 3 calendar years | 19.5 | 2.1 | -16.3 |
| Source Australian Road | Deaths Da | tabase | |

• 7 •

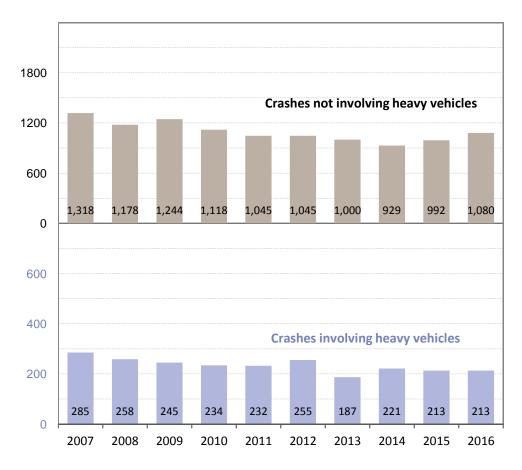
Table 1.6 Deaths by crash type for crashes involving heavy vehicles and crashes not involving heavy vehicles

| | Single | vehicle | Multiple | Multiple vehicle | | strian | Tot | al | Grand |
|---------------------------|--------|---------------|----------|------------------|-------|---------------|-------|---------------|--------------------|
| | Heavy | Non- heavy | Heavy | Non- heavy | Heavy | Non- heavy | Heavy | Non- heavy | Total ^a |
| 2007 | 40 | 701 | 207 | 451 | 38 | 166 | 285 | 1,318 | 1,603 |
| 2008 | 43 | 644 | 179 | 381 | 36 | 153 | 258 | 1,178 | 1,437 |
| 2009 | 47 | 653 | 163 | 430 | 35 | 161 | 245 | 1,244 | 1,491 |
| 2010 | 25 | 559 | 187 | 410 | 22 | 149 | 234 | 1,118 | 1,353 |
| 2011 | 30 | 524 | 157 | 380 | 45 | 141 | 232 | 1,045 | 1,277 |
| 2012 | 26 | 530 | 196 | 377 | 33 | 138 | 255 | 1,045 | 1,300 |
| 2013 | 12 | 538 | 148 | 331 | 27 | 131 | 187 | 1,000 | 1,187 |
| 2014 | 28 | 465 | 168 | 335 | 25 | 129 | 221 | 929 | 1,150 |
| 2015 | 27 | 505 | 167 | 344 | 19 | 143 | 213 | 992 | 1,205 |
| 2016 | 22 | 546 | 170 | 386 | 21 | 148 | 213 | 1,080 | 1,293 |
| Ave. trend change p.a.(%) | -7.9 | -3.4 | -1.6 | -2.4 | -6.6 | -1.8 | -3.0 | -2.9 | -2.9 |

⁻ for the last 10 years

Source Australian Road Deaths Database

Figure 1.4 Deaths by crash type for crashes involving heavy vehicles and crashes not involving heavy vehicles



Source Australian Road Deaths Database

a Includes deaths with undetermined vehicle type.

Deaths from crashes involving heavy vehicles by common Table 1.7 crash sub-typesa

| | Intersection | Head-on | Single vehicle run-off road ^b | Total ^c |
|--------------------|--------------|---------|---|--------------------|
| Articulated trucks | | | | |
| 2008 | 30 | 65 | 15 | 147 |
| 2009 | 20 | 48 | 20 | 138 |
| 2010 | 34 | 54 | 13 | 137 |
| 2011 | 31 | 50 | 16 | 144 |
| 2012 | 25 | 70 | 17 | 154 |
| 2013 | 28 | 50 | 5 | 115 |
| 2014 | 20 | 38 | 14 | 115 |
| 2015 | 25 | 43 | 10 | 111 |
| Heavy rigid trucks | | | | |
| 2008 | 28 | 35 | 4 | 90 |
| 2009 | 27 | 28 | 7 | 77 |
| 2010 | 24 | 40 | 4 | 87 |
| 2011 | 30 | 18 | 4 | 71 |
| 2012 | 25 | 37 | 2 | 93 |
| 2013 | 19 | 23 | 3 | 67 |
| 2014 | 28 | 26 | 4 | 87 |
| 2015 | 24 | 25 | 4 | 82 |
| Buses | | | | |
| 2008 | 11 | 1 | 3 | 23 |
| 2009 | 9 | 6 | 6 | 31 |
| 2010 | 7 | 6 | 3 | 21 |
| 2011 | 12 | 5 | 1 | 24 |
| 2012 | 11 | 6 | 1 | 26 |
| 2013 | 5 | 4 | 0 | 12 |
| 2014 | 6 | 6 | 2 | 19 |
| 2015 | 4 | 12 | 1 | 20 |

Categories not mutually exclusive, nor exhaustive. Excludes South Australia.

a b c Source Includes all other crash types. National Crash Database

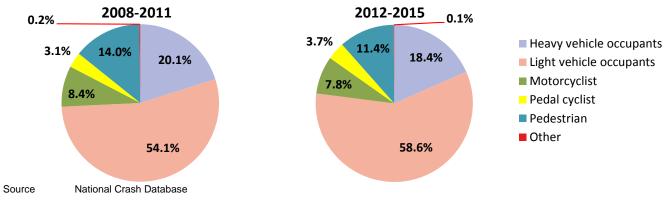
Table 1.8 Vehicle type and road user type of killed person from crashes involving heavy vehicles

| | Heav | y vehicle | Ligh | t vehicle ^a | Pedestrian | Motor- ^b | Pedal ^b | Total ^c |
|--------------------|--------|-----------|--------|------------------------|------------|---------------------|--------------------|--------------------|
| | Driver | Passenger | Driver | Passenger | | cyclist | cyclist | |
| Articulated trucks | | | | | | | | |
| 2008 | 34 | 3 | 57 | 20 | 16 | 11 | 4 | 147 |
| 2009 | 36 | 3 | 58 | 20 | 18 | 3 | 0 | 138 |
| 2010 | 20 | 4 | 55 | 31 | 14 | 7 | 6 | 137 |
| 2011 | 24 | 3 | 66 | 24 | 19 | 6 | 2 | 144 |
| 2012 | 32 | 5 | 67 | 26 | 15 | 8 | 0 | 154 |
| 2013 | 21 | 0 | 52 | 21 | 13 | 6 | 2 | 115 |
| 2014 | 23 | 2 | 52 | 18 | 9 | 8 | 3 | 115 |
| 2015 | 25 | 5 | 52 | 14 | 8 | 4 | 3 | 111 |
| Heavy rigid trucks | | | | | | | | |
| 2008 | 9 | 3 | 36 | 12 | 15 | 13 | 2 | 90 |
| 2009 | 17 | 0 | 27 | 11 | 10 | 9 | 3 | 77 |
| 2010 | 10 | 2 | 33 | 21 | 6 | 9 | 6 | 87 |
| 2011 | 7 | 2 | 28 | 12 | 12 | 6 | 4 | 71 |
| 2012 | 5 | 3 | 46 | 12 | 13 | 11 | 3 | 93 |
| 2013 | 6 | 1 | 25 | 9 | 14 | 6 | 6 | 67 |
| 2014 | 10 | 1 | 36 | 13 | 11 | 12 | 4 | 87 |
| 2015 | 9 | 1 | 41 | 11 | 7 | 7 | 6 | 82 |
| Buses | | | | | | | | |
| 2008 | 0 | 6 | 3 | 1 | 5 | 7 | 1 | 23 |
| 2009 | 2 | 8 | 7 | 3 | 8 | | 1 | 31 |
| 2010 | 2 | 2 | 6 | 0 | 3 | 8 | 0 | 21 |
| 2011 | 1 | 1 | 3 | 2 | 13 | | 2 | 24 |
| 2012 | 3 | 5 | 6 | 3 | 7 | | 0 | 26 |
| 2013 | 0 | 0 | 5 | 1 | 1 | | 3 | 12 |
| 2014 | 0 | 5 | 2 | 3 | 4 | | 3 | 19 |
| 2015 | 0 | 4 | 10 | 3 | 1 | 2 | 0 | 20 |

a Includes passenger car, light commercial vehicle, utility, panel van, cab chassis, goods carrying van, light rigid truck and other not specified vehicle.

Source National Crash Database

Figure 1.5 Composition of fatalities in crashes involving heavy vehicles



b Includes pillion passengers.

c Includes deaths in vehicles not listed.

Table 1.9 The number of deaths from heavy vehicle involved crashes – validity of heavy vehicle driver's licence (excludes WA)

| | All valid | Any invalid | Unknown | Total |
|--------------------|-----------|-------------|---------|-------|
| Articulated trucks | | | | |
| 2008 | 122 | 5 | 10 | 137 |
| 2009 | 116 | 0 | 9 | 125 |
| 2010 | 97 | 2 | 25 | 124 |
| 2011 | 113 | 3 | 10 | 126 |
| 2012 | 122 | 1 | 14 | 137 |
| 2013 | 91 | 0 | 8 | 99 |
| 2014 | 89 | 1 | 15 | 105 |
| 2015 | 86 | 0 | 13 | 99 |
| | | | | |
| Heavy rigid trucks | | | | |
| 2008 | 69 | 4 | 0 | 73 |
| 2009 | 60 | 3 | 1 | 64 |
| 2010 | 66 | 4 | 2 | 72 |
| 2011 | 56 | 1 | 8 | 65 |
| 2012 | 74 | 2 | 3 | 79 |
| 2013 | 52 | 0 | 3 | 55 |
| 2014 | 73 | 0 | 0 | 73 |
| 2015 | 67 | 2 | 2 | 71 |
| Russa | | | | |
| Buses | | | | |
| 2008 | 19 | 0 | 0 | 19 |
| 2009 | 29 | 0 | 1 | 30 |
| 2010 | 19 | 0 | 1 | 20 |
| 2011 | 21 | 1 | 1 | 23 |
| 2012 | 21 | 0 | 0 | 21 |
| 2013 | 9 | 0 | 3 | 12 |
| 2014 | 12 | 1 | 0 | 13 |
| 2015 | 17 | 0 | 1 | 18 |

Source National Crash Database

Table 1.10 The number of deaths from heavy vehicle involved crashes – heavy vehicle driver BAC status^a (excludes Victoria and WA)

| | All pass | Any fail | Unknown | Total |
|--------------------|----------|----------|---------|-------|
| Articulated trucks | | | | |
| 2008 | 55 | 6 | 54 | 115 |
| 2009 | 66 | 0 | 39 | 105 |
| 2010 | 51 | 2 | 36 | 89 |
| 2011 | 56 | 3 | 44 | 103 |
| 2012 | 61 | 1 | 47 | 109 |
| 2013 | 44 | 2 | 38 | 84 |
| 2014 | 45 | 1 | 32 | 78 |
| 2015 | 49 | 2 | 28 | 79 |
| Heavy rigid trucks | | | | |
| 2008 | 24 | 4 | 22 | 50 |
| 2009 | 28 | 0 | 17 | 45 |
| 2010 | 30 | 4 | 17 | 51 |
| 2011 | 26 | 2 | 17 | 45 |
| 2012 | 33 | 0 | 31 | 64 |
| 2013 | 26 | 0 | 16 | 42 |
| 2014 | 38 | 0 | 8 | 46 |
| 2015 | 34 | 1 | 17 | 52 |
| Buses | | | | |
| 2008 | 5 | 0 | 10 | 15 |
| 2009 | 11 | 0 | 10 | 21 |
| 2010 | 11 | 0 | 7 | 18 |
| 2011 | 11 | 1 | 7 | 19 |
| 2012 | 11 | 0 | 7 | 18 |
| 2013 | 3 | 0 | 6 | 9 |
| 2014 | 8 | 0 | 1 | 9 |
| 2015 | 8 | 0 | 3 | 11 |

a BAC: Blood Alcohol Concentration Source National Crash Database

Table 1.11 The number of deaths from heavy vehicle involved crashes – restraint use of killed vehicle occupants

| | Restrair | nt used | Not u | ised | Unkn | own | Tota | al ^a |
|--------------------|----------|---------|---------|---------|---------|---------|---------|-----------------|
| | Heavy | Light | Heavy | Light | Heavy | Light | Heavy | Light |
| | vehicle | vehicle | vehicle | vehicle | vehicle | vehicle | vehicle | vehicle |
| Articulated trucks | | | | | | | | |
| 2008 | 5 | 45 | 11 | 12 | 21 | 20 | 37 | 77 |
| 2009 | 9 | 52 | 16 | 7 | 14 | 19 | 39 | 78 |
| 2010 | 7 | 54 | 4 | 6 | 13 | 26 | 24 | 86 |
| 2011 | 7 | 55 | 7 | 11 | 13 | 24 | 27 | 90 |
| 2012 | 10 | 62 | 11 | 3 | 16 | 28 | 37 | 93 |
| 2013 | 8 | 52 | 4 | 4 | 9 | 17 | 21 | 73 |
| 2014 | 2 | 43 | 6 | 6 | 17 | 21 | 25 | 70 |
| 2015 | 7 | 53 | 9 | 5 | 13 | 8 | 30 | 66 |
| | | | | | | | | |
| Heavy rigid trucks | | | | | | | | |
| 2008 | 3 | 35 | 6 | 2 | 3 | 11 | 12 | 48 |
| 2009 | 6 | 28 | 8 | 2 | 3 | 8 | 17 | 38 |
| 2010 | 7 | 37 | 2 | 3 | 3 | 14 | 12 | 54 |
| 2011 | 1 | 27 | 5 | 7 | 3 | 6 | 9 | 40 |
| 2012 | 2 | 41 | 3 | 4 | 3 | 12 | 8 | 58 |
| 2013 | 3 | 27 | 2 | 1 | 2 | 6 | 7 | 34 |
| 2014 | 6 | 36 | 3 | 3 | 2 | 10 | 11 | 49 |
| 2015 | 5 | 39 | 1 | 5 | 4 | 8 | 10 | 52 |
| Buses | | | | | | | | |
| 2008 | 0 | 2 | 3 | 0 | 3 | 2 | 6 | 4 |
| 2009 | 4 | 8 | 2 | 1 | 4 | 1 | 10 | 10 |
| 2010 | 0 | 6 | 3 | 0 | 1 | 0 | 4 | 6 |
| 2011 | 0 | 4 | 2 | 0 | 0 | 1 | 2 | 5 |
| 2012 | 5 | 6 | 1 | 0 | 2 | 3 | 8 | 9 |
| 2013 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 6 |
| 2014 | 0 | 4 | 4 | 0 | 1 | 1 | 5 | 5 |
| 2015 | 3 | 9 | 1 | 0 | 0 | 4 | 4 | 13 |

a Includes any non-applicable cases.

Source National Crash Database

Table 1.12 Hospitalised injury due to road vehicle traffic crashes involving heavy vehicles

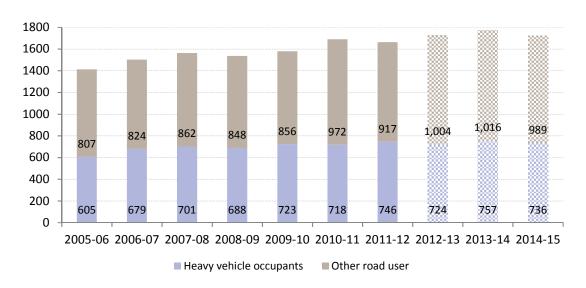
| Financial year | Heavy vehicle occupants (drivers and passengers) | Other road user heavy vehicle crash | Total hospitalised persons | % of total hospitalised injury due to road vehicle |
|----------------------|--|--|----------------------------|--|
| | IIIvoivea III | Heavy Verlicie Crasii | 63 | due to road verticie |
| 2005-06 | 605 | 807 | 1,412 | 4.5 |
| 2006-07 | 679 | 824 | 1,503 | 4.6 |
| 2007-08 | 701 | 862 | 1,563 | 4.8 |
| 2008-09 | 688 | 848 | 1,536 | 4.5 |
| 2009-10 | 723 | 856 | 1,579 | 4.8 |
| 2010-11 | 718 | 972 | 1,690 | 5.1 |
| 2011-12 | 746 | 917 | 1,663 | 4.8 |
| 2012-13 ^a | 724 | 1,004 | 1,728 | 5.1 |
| 2013-14 ^a | 757 | 1,016 | 1,773 | 5.0 |
| 2014-15 ^a | 736 | 989 | 1,725 | 4.8 |

²⁰²⁰¹² calendar year data is not directly comparable with previous years due to a break in the hospitalised injury series in 2012. Victoria changed case inclusion criteria to exclude cases cared for solely in Emergency Departments from 1 July 2012. NISU estimates this decreased admitted case counts in Australia by 2000 cases (-5.6 per cent) in 2012-13 compared to 2011-12. The estimated decrease in 2012 was approximately 1000 cases, or -2.8 per cent, with the reduction likely to differ by road user group.

Sources

Berry JG and Harrison JE 2008; Henley G and Harrison JE 2009; Henley G and Harrison JE 2012a; Henley G and Harrison JE 2012b and National Injury Surveillance Unit.

Figure 1.6 Hospitalised injury due to road vehicle traffic crashes involving heavy vehicles



202012 calendar year data is not directly comparable with previous years due to a break in the hospitalised injury series in 2012. Victoria changed case inclusion criteria to exclude cases cared for solely in Emergency Departments from 1 July 2012. NISU estimates this decreased admitted case counts in Australia by 2000 cases (-5.6 per cent) in 2012-13 compared to 2011-12. The estimated decrease in 2012 was approximately 1000 cases, or -2.8 per cent, with the reduction likely to differ by road user group.

Sources

Berry JG and Harrison JE 2008; Henley G and Harrison JE 2009; Henley G and Harrison JE 2012a; Henley G and Harrison JE 2012b and National Injury Surveillance Unit.

Table 1.13 High threat to life injury in road traffic crashes involving heavy vehicles by state/territory

| Calendar year | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|---------------------------|-----|-----|-----|------|-----|-----|----|-----|-----------|
| 2001 | 143 | 116 | 75 | 56 | 44 | 9 | 6 | 7 | 463 |
| 2002 | 140 | 125 | 88 | 39 | 28 | 5 | - | - | 442 |
| 2003 | 137 | 117 | 87 | 38 | 30 | 14 | - | - | 439 |
| 2004 | 155 | 114 | 96 | 25 | 26 | 11 | - | - | 447 |
| 2005 | 149 | 123 | 105 | 40 | 40 | 13 | 7 | 5 | 499 |
| 2006 | 168 | 125 | 105 | 48 | 38 | 18 | 6 | 5 | 525 |
| 2007 | 162 | 114 | 101 | 40 | 51 | 12 | 9 | 7 | 503 |
| 2008 | 171 | 125 | 112 | 40 | 54 | 11 | 9 | 6 | 534 |
| 2009 | 162 | 158 | 113 | 37 | 45 | 14 | 6 | 5 | 558 |
| 2010 | 167 | 155 | 112 | 42 | 52 | 7 | 9 | 6 | 561 |
| Ave. trend change p.a.(%) | 2.3 | 2.1 | 4.7 | -1.4 | 6.0 | 7.5 | - | - | 3.0 |

- for the last 9 years

See Glossary Henley G & Harrison JE 2015 Source

| BITRE • Road | d trauma involving | heavy vehicles 20 | NIA statistical | summary |
|--------------|--------------------|-------------------|-----------------|---------|

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SECTION 2

Crashes

This section focuses on counts and characteristics of fatal crashes involving heavy vehicles. Percentage changes for the latest calendar years and annual averages over the last several years are given.

- In 2016, there were 191 fatal crashes involving a heavy vehicle. This is similar to 2015 (190). Over the last decade, the annual number of fatal crashes involving a heavy vehicle has decreased at an average estimated trend of 2.8 per cent per year. (Table 2.1, p. 18).
- In 2016, there were 169 fatal crashes involved heavy trucks (articulated and rigid trucks), a reduction of four crashes on 2015. Over the last decade, the annual number of fatal crashes involving a heavy truck has decreased at an average estimated trend of 2.7 per cent per year. (Table 2.1, p. 18)
- In 2016, the proportions of fatal crashes that involved an articulated truck, a heavy rigid truck or a bus were 49.2 per cent, 41.9 per cent and 12.0 per cent respectively. (Table 2.1, p. 18). These proportions are similar to the fatality counts in these crashes.
- The most common heavy vehicle crash types are 'opposing direction head-on' (34.0 per cent), 'pedestrian involved' (12.1 per cent) and 'same direction rear-end' (13.2 per cent) (Table 2.5, p. 24).
- During 2011 to 2015, 1.6 per cent of articulated truck drivers involved in a fatal crash did not have a valid licence. The proportions for heavy rigid truck drivers and bus drivers are 1.4 per cent and 2.3 per cent respectively (Table 2.11, p. 31).
- Analysis by geographical region for 2015 shows that most (73.7 per cent) fatal articulated truck involved crashes occur in a Regional area, down marginally on 2014. The remainder occur in a Remote area (10.1 per cent, up marginally) and in a Major city (16.2 per cent, down marginally). The corresponding proportions for fatal heavy rigid truck involved crashes are 58.9 per cent (Regional, up), 6.8 per cent (Remote, up) and 34.2 (Major city, down) (Table 2.8, p. 28).
- Between 2011 and 2015, 50.8 per cent of fatal crashes involving heavy vehicles occurred on national or state highways. For the three types of heavy vehicles the proportions are: articulated trucks (65.2 per cent), heavy rigid trucks (36.1 per cent) and buses (21.8 per cent) (Table 2.7, p. 26).

Table 2.1 Fatal crashes involving heavy vehicles

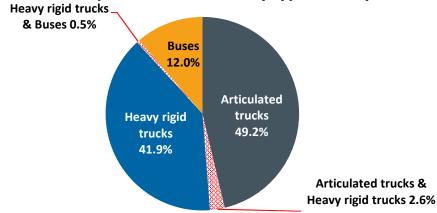
| | Articulated trucks | Heavy rigid trucks ^a | Any heavy truck ^b | Buses | Any heavy vehicle ^b |
|------------------------------|-----------------------|------------------------------------|---------------------------------|-------|-----------------------------------|
| 2007 | 146 | 80 | 221 | 25 | 245 |
| 2008 | 129 | 85 | 211 | 20 | 231 |
| 2009 | 121 | 73 | 186 | 25 | 211 |
| 2010 | 123 | 68 | 183 | 20 | 202 |
| 2011 | 124 | 60 | 180 | 24 | 203 |
| 2012 | 124 | 85 | 204 | 17 | 218 |
| 2013 | 90 | 64 | 150 | 11 | 161 |
| 2014 | 101 | 76 | 176 | 16 | 191 |
| 2015 | 101 | 74 | 173 | 19 | 190 |
| 2016 | 94 | 80 | 169 | 23 | 191 |
| Ave. trend change p.a.(%) | | | | | |
| - for last 10 calendar years | -4.5 | -0.4 | -2.7 | -3.3 | -2.8 |
| - for last 5 calendar years | -4.3 | 0.2 | -2.3 | 12.2 | -1.0 |
| - for last 3 calendar years | -3.5 | 2.6 | -2.0 | 19.9 | 0.0 |

a Only available from 2004.

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

Source Australian Road Deaths Database

Figure 2.1 2016 Snapshot – fatal crashes by type of heavy vehicle involved



Source Australian Road Deaths Database

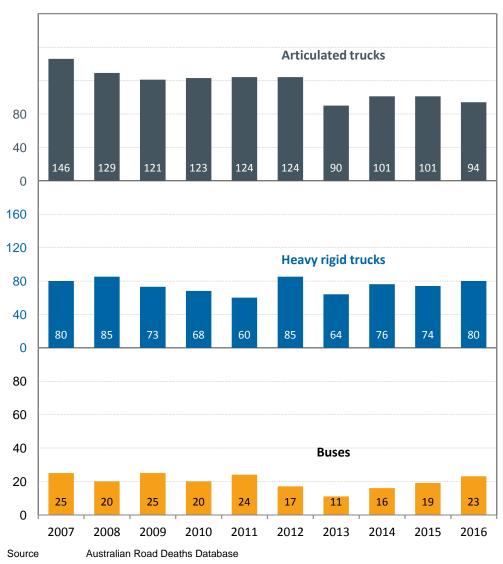
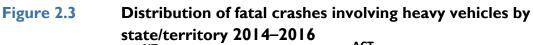
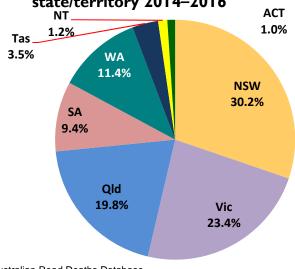


Figure 2.2 Fatal crashes involving heavy vehicles





Source

Australian Road Deaths Database

Table 2.2 Fatal crashes involving heavy vehicles by state/territory

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|---|--------------|--------------|----------------|--------|--------|--------|--------|-------|-----------------|
| Articulated trucks | | | | | | | | | |
| 2007 | 53 | 29 | 38 | 6 | 14 | 4 | 2 | 0 | 146 |
| 2008 | 47 | 22 | 35 | 9 | 7 | 6 | 3 | 0 | 129 |
| 2009 | 33 | 17 | 38 | 9 | 10 | 10 | 2 | 2 | 12 ⁻ |
| 2010 | 41 | 31 | 25 | 7 | 14 | 3 | 1 | 1 | 12: |
| 2011 | 43 | 21 | 32 | 12 | 11 | 2 | 3 | 0 | 124 |
| 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 | 10 |
| 2015 | 31 | 21 | 23 | 12 | 11 | 2 | 0 | 1 | 10 |
| 2016 | 23 | 21 | 23 | 10 | 9 | 3 | 4 | 1 | 9 |
| Ave. trend change p.a.(%) | | | | | | | | | |
| - for last 10 calendar years | -7.2 | -2.2 | -5.4 | 4.5 | -3.3 | -9.1 | _ | _ | -4. |
| - for last 5 calendar years | -9.7 | -1.6 | -9.2 | 6.4 | 8.6 | 0.0 | - | - | -4. |
| - for last 3 calendar years | -9.4 | -8.3 | -5.9 | 0.0 | 22.5 | -13.4 | - | -29.3 | -3. |
| Heavy rigid trucks | | | | | | | | | |
| 2007 | 28 | 24 | 10 | 5 | 10 | 1 | 1 | 1 | 8 |
| 2008 | 12 | 22 | 21 | 8 | 18 | 2 | 2 | 0 | 8 |
| 2009 | 23 | 18 | 13 | 2 | 16 | 1 | 0 | 0 | 7 |
| 2010 | 20 | 18 | 12 | 2 | 11 | 4 | 0 | 1 | 6 |
| 2011 | 15 | 14 | 13 | 6 | 8 | 2 | 2 | 0 | 6 |
| 2012 | 22 | 14 | 23 | 6 | 16 | 2 | 1 | 1 | 8 |
| 2013 | 22 | 12 | 11 | 4 | 15 | 0 | 0 | 0 | 6 |
| 2014 | 21 | 23 | 9 | 10 | 10 | 3 | 0 | 0 | 7 |
| 2015 | 22 | 18 | 16 | 2 | 10 | 5 | 1 | 0 | 7 |
| 2016 | 32 | 17 | 12 | 5 | 10 | 4 | 0 | 0 | 8 |
| Ave. trend change p.a.(%) | | | | | | | | | |
| - for last 10 calendar years | 3.5 | -2.7 | -1.1 | 0.3 | -2.9 | _ | _ | _ | -0. |
| - for last 5 calendar years | 7.8 | 8.3 | -8.8 | -10.0 | -12.6 | _ | _ | _ | 0. |
| - for last 3 calendar years | 23.4 | -14.0 | 15.5 | -29.3 | 0.0 | 15.5 | - | - | 2. |
| Buses | | | | | | | | | |
| 2007 | 11 | 4 | 7 | 1 | 2 | 0 | 0 | 0 | 2 |
| 2007 | 11 | 4 | 7 | 1 | 2 | 0 | 0 | 0 | 2 |
| 2009 | 5 | 4 | 8 | 1 | 2 | 0 | 0 | 0 | 2 |
| 2009 2010 | 8 9 | 6 2 | 8 3 | 2 | 0 0 | 1 1 | 0 1 | 0 | |
| 2010 2011 | _ | 5 | 3 7 | | | | | | 2 |
| 2011 2012 | 11 | | | 0 | 1 | 0 | 0 | 0 | 2 |
| | 6 2 | 3 | 6 | 1 | 1 | 0 | 0 | 0 | 1 |
| 2013 | | 3 | 5 | 0 | 0 | 0 | 1 | 0 | 1 |
| 2014 2015 | 6 5 | | 1 | 1 | 4 | 0 | 0 | 1 | 1 |
| 2015 2016 | 5 10 | 6 2 | 2 | 1 3 | 2 | 1 1 | 1 1 | 1 | 1 |
| | 10 | | 3 | J | 3 | ı | - 1 | 0 | |
| Ave. trend change p.a.(%) | -4.4 | 27 | 440 | | | | | | • |
| - for last 10 calendar years - for last 5 calendar years | -4.4 21.4 | -3.7 -1.2 | -14.8 -20.6 | - | - | - | - | - | -3. 12. |
| - ioi iasi o cai c iluai yeais | 41.4 | -1.2 | 73.2 | - | - | - | - | - | 12. 19. |

Table 2.3 Fatal crashes involving heavy vehicles by speed zone

| | 40 km/h | 50 km/h | 60 km/h | 70 to 90 km/h | 100 km/h | ≥110 km/h | Total ^a |
|---|---------|---------|---------|---------------|----------|-----------|--------------------|
| Articulated trucks | | | | | | | |
| 2007 | 2 | 6 | 18 | 24 | 67 | 28 | 146 |
| 2008 | 0 | 7 | 18 | 27 | 55 | 21 | 129 |
| 2009 | 0 | 7 | 7 | 21 | 59 | 27 | 121 |
| 2010 | 1 | 4 | 17 | 23 | 58 | 20 | 123 |
| 2011 | 2 | 5 | 10 | 32 | 50 | 24 | 124 |
| 2012 | 2 | 3 | 13 | 22 | 57 | 27 | 124 |
| 2013 | 1 | 3 | 11 | 14 | 40 | 21 | 90 |
| 2014 | 0 | 1 | 13 | 14 | 49 | 22 | 101 |
| 2015 | 0 | 3 | 14 | 14 | 46 | 23 | 101 |
| 2016 | 0 | 2 | 4 | 22 | 41 | 24 | 94 |
| Ave. trend change p.a.(%) - for the last 10 years | - | -15.1 | -7.7 | -5.5 | -4.5 | -0.9 | -4.5 |
| Heavy rigid trucks | | | | | | | |
| 2007 | 0 | 7 | 18 | 17 | 27 | 10 | 80 |
| 2008 | 0 | 2 | 18 | 28 | 28 | 8 | 85 |
| 2009 | 0 | 6 | 10 | 20 | 26 | 11 | 73 |
| 2010 | 0 | 7 | 12 | 17 | 23 | 9 | 68 |
| 2011 | 1 | 5 | 12 | 16 | 19 | 7 | 60 |
| 2012 | 2 | 9 | 19 | 15 | 25 | 12 | 85 |
| 2013 | 0 | 4 | 17 | 15 | 23 | 4 | 64 |
| 2014 | 0 | 3 | 19 | 17 | 23 | 12 | 76 |
| 2015 | 2 | 5 | 13 | 21 | 27 | 3 | 74 |
| 2016 | 1 | 5 | 12 | 28 | 25 | 9 | 80 |
| Ave. trend change p.a.(%) - for the last 10 years | - | -0.7 | -0.7 | 0.7 | -0.8 | -5.5 | -0.4 |
| Buses | | | | | | | |
| 2007 | 1 | 4 | 8 | 6 | 5 | 1 | 25 |
| 2008 | 0 | 2 | 8 | 6 | 2 | 1 | 20 |
| 2009 | 0 | 5 | 8 | 8 | 3 | 1 | 25 |
| 2010 | 0 | 2 | 9 | 6 | 3 | 0 | 20 |
| 2011 | 2 | 10 | 6 | 1 | 4 | 0 | 24 |
| 2012 | 1 | 3 | 9 | 3 | 1 | 0 | 17 |
| 2013 | 1 | 1 | 6 | 0 | 1 | 2 | 11 |
| 2014 | 1 | 2 | 8 | 1 | 3 | 1 | 16 |
| 2015 | 1 | 0 | 8 | 4 | 3 | 3 | 19 |
| 2016 | 1 | 6 | 11 | 1 | 2 | 1 | 23 |
| Ave. trend change p.a.(%) | - | - | 1.3 | - | -5.9 | _ | -3.3 |

⁻ for the last 10 years

Source Australian Road Deaths Database

a Includes crashes where speed limit is unknown.

Table 2.4 Fatal crashes involving heavy vehicles by crash type

| | Single vehicle | Multiple vehicle | Pedestrian involved | Total |
|---|----------------|------------------|---------------------|-------|
| Articulated trucks | | | | |
| 2007 | 31 | 96 | 19 | 146 |
| 2008 | 23 | 89 | 17 | 129 |
| 2009 | 29 | 74 | 18 | 121 |
| 2010 | 15 | 94 | 14 | 123 |
| 2011 | 18 | 87 | 19 | 124 |
| 2012 | 18 | 90 | 16 | 124 |
| 2013 | 8 | 73 | 9 | 90 |
| 2014 | 16 | 75 | 10 | 101 |
| 2015 | 18 | 75 | 8 | 101 |
| 2016 | 10 | 79 | 5 | 94 |
| Ave. trend change p.a.(%) - for the last 10 years | -9.7 | -2.2 | -12.3 | -4.5 |
| Heavy rigid trucks | | | | |
| 2007 | 6 | 62 | 12 | 80 |
| 2008 | 11 | 59 | 15 | 85 |
| 2009 | 7 | 56 | 10 | 73 |
| 2010 | 7 | 54 | 7 | 68 |
| 2011 | 6 | 40 | 14 | 60 |
| 2012 | 5 | 68 | 12 | 85 |
| 2013 | 4 | 44 | 16 | 64 |
| 2014 | 7 | 59 | 10 | 76 |
| 2015 | 6 | 59 | 9 | 74 |
| 2016 | 10 | 63 | 7 | 80 |
| Ave. trend change p.a.(%) - for the last 10 years | -0.9 | 0.2 | -3.6 | -0.4 |
| Buses | | | | |
| 2007 | 1 | 17 | 7 | 25 |
| 2008 | 5 | 11 | 4 | 20 |
| 2009 | 5 | 14 | 6 | 25 |
| 2010 | 3 | 14 | 3 | 20 |
| 2011 | 3 | 8 | 13 | 24 |
| 2012 | 2 | 10 | 5 | 17 |
| 2013 | 0 | 10 | 1 | 11 |
| 2014 | 3 | 7 | 6 | 16 |
| 2015 | 1 | 16 | 2 | 19 |
| 2016 | 2 | 12 | 9 | 23 |
| Ave. trend change p.a.(%) | - | -2.8 | -4.1 | -3.3 |

- for the last 10 years

Source Australian Road Deaths Database

Figure 2.4 Common crash type (sub-groups) for fatal crashes involving a heavy to 2013-2015

| Main Crash Type | | Sub-group | |
|--------------------------|---|--|------------------------|
| Opposing directions | Opposing directions Head on | Opposing directions Right thru | |
| Same direction | Same direction Rear end | Same direction | |
| Pedestrian | Pedestrian Playing/Working | Side Swipe Pedestrian Near side | Pedestrian Far side |
| Adjacent directions | Adjacent directions Right Near | Adjacent directions Cross traffic | |
| Non-collision (Straight) | Non-collision (Straight) - Off Left | Non-collision (Straight) - Off Right | |
| Non-collision (Curve) | or Non-collision (Curve) - Off Car/way at left bend | or Non-collision (Curve) - Off Car/way at right bend | |
| Manoeuvring | Manoeuvring Emerge from Driveway | Manoeuvring From Footpath | Manoeuvring U-turn |

Source

Austroads 2009

Figure 2.5 Common crash type (main groups) for fatal crashes involving a heavy truck 2013–2015

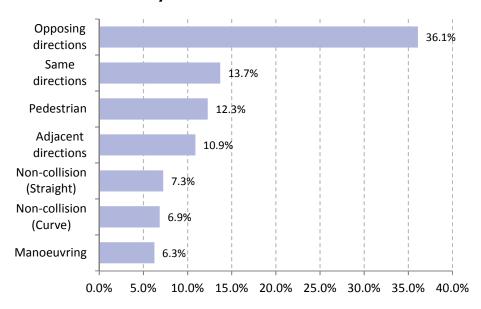


Table 2.5 Common crash type (sub-groups) for fatal crashes involving a heavy truck 2013–2015

| Crash type (Main) | Total % | Crash type (Sub-group) | % |
|--------------------------|---------|-------------------------------|------|
| Opposing directions | 36.1 | Head on | 33.8 |
| - | | Right thru | 2.2 |
| Same directions | 13.7 | Rear-end | 9.7 |
| | | Side-swipe | 3.2 |
| | | Other | 0.8 |
| Pedestrian | 12.3 | Play/Work | 4.2 |
| | | Nearside | 3.2 |
| | | Farside | 1.6 |
| | | Other | 3.2 |
| Adjacent directions | 10.9 | Cross traffic | 6.4 |
| | | Right near | 3.8 |
| | | Other | 0.6 |
| Non-collision (Curve) | 7.3 | Off carriageway at left bend | 2.8 |
| | | Off carriageway at right bend | 2.2 |
| | | Other | 2.2 |
| Non-collision (Straight) | 6.9 | Off left | 3.6 |
| | | Off right | 1.8 |
| | | Other | 1.4 |
| Manoeuvring | 6.3 | Emerge from Driveway | 2.2 |
| | | From footway | 1.8 |
| | | U-turn | 1.8 |

Note The data in Figure 2.5 and Table 2.5 are based on state and territory Road User Movement (RUM) and DCA Definitions for Coding Accidents (DCA) codes. Data from each jurisdiction has been collated into a national system using the diagrams in (Austroads 2009). In these coding systems there are 10 main crash type groups; within each main group there are several sub-groups.

Not shown in this table are 'On path', 'Miscellaneous' and 'Unknown' crash types, which together account for 6% of the total. Austroads 2009; National Crash Database

Source

Fatal crashes involving heavy vehicles by common crash sub-types^a Table 2.6

| | Intersection | Head-on | Single vehicle run-off road ^b |
|--------------------|--------------|---------|--|
| Articulated trucks | | | |
| 2008 | 27 | 51 | 15 |
| 2009 | 17 | 40 | 19 |
| 2010 | 29 | 40 | 13 |
| 2011 | 28 | 45 | 14 |
| 2012 | 22 | 51 | 15 |
| 2013 | 20 | 40 | 5 |
| 2014 | 18 | 33 | 13 |
| 2015 | 24 | 36 | 9 |
| Heavy rigid trucks | | | |
| 2008 | 27 | 32 | 4 |
| 2009 | 27 | 25 | 7 |
| 2010 | 22 | 29 | 4 |
| 2011 | 23 | 16 | 4 |
| 2012 | 23 | 31 | 2 |
| 2013 | 18 | 21 | 3 |
| 2014 | 20 | 23 | 4 |
| 2015 | 21 | 22 | 4 |
| Buses | | | |
| 2008 | 11 | 1 | 2 |
| 2009 | 8 | 5 | 3 |
| 2010 | 6 | 6 | 3 |
| 2011 | 12 | 4 | 1 |
| 2012 | 8 | 4 | 1 |
| 2013 | 5 | 3 | 0 |
| 2014 | 6 | 3 | 1 |
| 2015 | 4 | 9 | 1 |

Crash involving any heavy vehicle c

| | Intersection | Head-on | Single vehicle run-off road ^b |
|------|--------------|---------|--|
| 2008 | 65 | 82 | 21 |
| 2009 | 51 | 65 | 29 |
| 2010 | 56 | 73 | 20 |
| 2011 | 62 | 63 | 19 |
| 2012 | 52 | 83 | 18 |
| 2013 | 42 | 62 | 8 |
| 2014 | 43 | 59 | 18 |
| 2015 | 48 | 67 | 14 |

Categories not mutually exclusive.

b

Excludes South Australia.

This is not the total of three individual heavy vehicle counts. The categories are not mutually exclusive.

Source National Crash Database

Fatal crashes involving heavy vehicles by road type Table 2.7

| | National or State highway | Arterial | Sub-arterial | Local | Other ^a | Total ^b |
|--------------------|------------------------------|----------|--------------|-------|--------------------|--------------------|
| Articulated trucks | | | | | | |
| 2008 | 82 | 17 | 11 | 7 | 8 | 126 |
| 2009 | 68 | 21 | 14 | 9 | 2 | 114 |
| 2010 | 77 | 15 | 11 | 12 | 2 | 118 |
| 2011 | 82 | 21 | 14 | 8 | 2 | 128 |
| 2012 | 89 | 17 | 7 | 10 | 4 | 127 |
| 2013 | 62 | 17 | 4 | 7 | 5 | 95 |
| 2014 | 63 | 18 | 12 | 2 | 5 | 100 |
| 2015 | 62 | 18 | 11 | 4 | 4 | 99 |
| Heavy rigid trucks | | | | | | |
| 2008 | 35 | 12 | 20 | 9 | 6 | 84 |
| 2009 | 33 | 16 | 12 | 10 | 2 | 73 |
| 2010 | 37 | 16 | 5 | 7 | 7 | 72 |
| 2011 | 16 | 18 | 9 | 13 | 3 | 59 |
| 2012 | 32 | 19 | 10 | 17 | 4 | 83 |
| 2013 | 28 | 12 | 11 | 6 | 4 | 62 |
| 2014 | 25 | 24 | 10 | 11 | 4 | 75 |
| 2015 | 26 | 19 | 8 | 11 | 9 | 73 |
| Buses | | | | | | |
| 2008 | 4 | 7 | 3 | 6 | 2 | 22 |
| 2009 | 6 | 6 | 3 | 8 | 2 | 25 |
| 2010 | 1 | 7 | 4 | 1 | 7 | 20 |
| 2011 | 4 | 5 | 3 | 4 | 7 | 23 |
| 2012 | 4 | 6 | 4 | 5 | 2 | 21 |
| 2013 | 2 | 3 | 3 | 3 | 0 | 11 |
| 2014 | 3 | 5 | 1 | 4 | 2 | 15 |
| 2015 | 6 | 3 | 2 | 5 | 1 | 17 |

Crash involving any heavy vehicle c

| | National or State highway | Arterial | Sub-arterial | Local | Other ^a | Total® |
|------|------------------------------|----------|--------------|-------|--------------------|--------|
| 2008 | 119 | 36 | 34 | 22 | 16 | 230 |
| 2009 | 100 | 42 | 28 | 27 | 6 | 203 |
| 2010 | 111 | 37 | 20 | 19 | 15 | 203 |
| 2011 | 100 | 43 | 26 | 24 | 12 | 206 |
| 2012 | 119 | 40 | 21 | 31 | 10 | 222 |
| 2013 | 89 | 32 | 18 | 16 | 8 | 164 |
| 2014 | 91 | 46 | 23 | 17 | 10 | 188 |
| 2015 | 91 | 40 | 20 | 20 | 14 | 185 |

Includes Collector road, Access road, Path and Busway. Includes crashes with undetermined road type.

a b

This is not the total of three individual heavy vehicle counts. The categories are not mutually exclusive.

Source National Crash Database

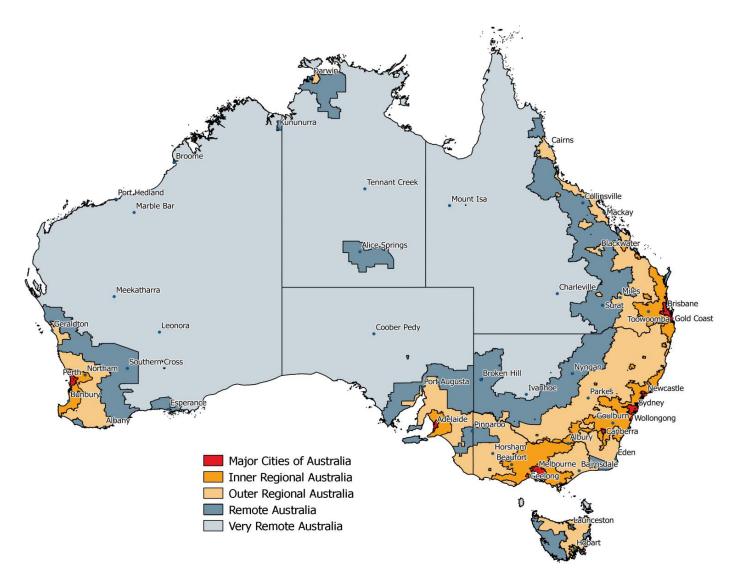


Figure 2.6 ASGS^a Remoteness Areas 2011 and selected cities and towns

a ASGS: Australian Statistical Geography Standard Source Australian Bureau of Statistics 2013

Table 2.8 Fatal crashes involving heavy vehicles by remoteness region^a

| | Major cities | Inner regional | Outer regional | Remote | Very remote | Total ^b |
|--------------------|--------------|----------------|----------------|--------|-------------|--------------------|
| Articulated trucks | | | | | | |
| 2008 | 25 | 53 | 39 | 3 | 6 | 126 |
| 2009 | 21 | 36 | 39 | 13 | 5 | 114 |
| 2010 | 25 | 43 | 38 | 8 | 4 | 118 |
| 2011 | 32 | 47 | 37 | 6 | 6 | 128 |
| 2012 | 22 | 49 | 42 | 8 | 6 | 127 |
| 2013 | 19 | 36 | 24 | 9 | 7 | 95 |
| 2014 | 17 | 43 | 31 | 5 | 4 | 100 |
| 2015 | 16 | 44 | 29 | 5 | 5 | 99 |
| Heavy rigid trucks | | | | | | |
| 2008 | 41 | 25 | 14 | 2 | 2 | 84 |
| 2009 | 34 | 23 | 15 | 1 | 0 | 73 |
| 2010 | 31 | 25 | 13 | 2 | 1 | 72 |
| 2011 | 18 | 26 | 12 | 2 | 1 | 59 |
| 2012 | 28 | 28 | 21 | 2 | 4 | 83 |
| 2013 | 35 | 15 | 9 | 1 | 1 | 62 |
| 2014 | 33 | 24 | 16 | 1 | 1 | 75 |
| 2015 | 25 | 26 | 17 | 4 | 1 | 73 |
| Buses | | | | | | |
| 2008 | 13 | 5 | 2 | 2 | 0 | 22 |
| 2009 | 10 | 8 | 6 | 1 | 0 | 25 |
| 2010 | 12 | 6 | 2 | 0 | 0 | 20 |
| 2011 | 18 | 3 | 1 | 1 | 0 | 23 |
| 2012 | 14 | 1 | 4 | 1 | 1 | 21 |
| 2013 | 6 | 3 | 1 | 0 | 1 | 11 |
| 2014 | 8 | 0 | 4 | 1 | 2 | 15 |
| 2015 | 7 | 4 | 6 | 0 | 0 | 17 |

Crash involving any heavy vehicle c

| | Major cities | Inner regional | Outer regional | Remote | Very remote | Total ^a |
|------|--------------|----------------|----------------|--------|-------------|--------------------|
| 2008 | 79 | 81 | 55 | 7 | 8 | 230 |
| 2009 | 63 | 61 | 59 | 15 | 5 | 203 |
| 2010 | 65 | 72 | 52 | 10 | 4 | 203 |
| 2011 | 67 | 73 | 50 | 9 | 7 | 206 |
| 2012 | 63 | 74 | 64 | 10 | 11 | 222 |
| 2013 | 59 | 53 | 33 | 10 | 8 | 164 |
| 2014 | 57 | 67 | 50 | 7 | 7 | 188 |
| 2015 | 48 | 72 | 50 | 9 | 6 | 185 |

a Remoteness regions are classified as per Australian Statistical Geography Standard (ASGS).

b Includes undetermined remoteness regions.

This is not the total of three individual heavy vehicle counts. The categories are not mutually exclusive.

Source National Crash Database

Table 2.9 Fatal crashes by Significant Urban Area (SUA)^a

| | Urban area | Non-urban area |
|--------------------|------------|----------------|
| Articulated trucks | | |
| 2008 | 36 | 90 |
| 2009 | 34 | 80 |
| 2010 | 39 | 79 |
| 2011 | 44 | 84 |
| 2012 | 32 | 95 |
| 2013 | 28 | 67 |
| 2014 | 27 | 73 |
| 2015 | 32 | 67 |
| Heavy rigid trucks | | |
| 2008 | 50 | 34 |
| 2009 | 41 | 32 |
| 2010 | 44 | 28 |
| 2011 | 26 | 33 |
| 2012 | 44 | 39 |
| 2013 | 39 | 23 |
| 2014 | 37 | 38 |
| 2015 | 38 | 35 |
| Buses | | |
| 2008 | 15 | 7 |
| 2009 | 14 | 11 |
| 2010 | 14 | 6 |
| 2011 | 21 | 2 |
| 2012 | 18 | 3 |
| 2013 | 8 | 3 |
| 2014 | 9 | 6 |
| 2015 | 11 | 6 |

Crash involving any heavy vehicle

| | Urban area | Non-urban area |
|------|------------|----------------|
| 2008 | 101 | 129 |
| 2009 | 86 | 117 |
| 2010 | 94 | 109 |
| 2011 | 89 | 117 |
| 2012 | 91 | 131 |
| 2013 | 74 | 90 |
| 2014 | 72 | 116 |
| 2015 | 81 | 104 |

^{&#}x27;Urban' refers to Significant Urban Area. Significant Urban Areas (SUA) represent aggregations of whole Statistical Area Level 2 (SA2) boundaries and are used to define and contain major urban and near-urban concentrations of over 10,000 people. They include the urban population, any immediately associated populations, and may also incorporate one or more closely associated Urban Centres and Localities and the areas between. They are designed to incorporate any likely growth over the next 20 years. Significant Urban Areas do not cover the whole of Australia, and may cross state or territory boundaries.

Sources National Crash Database; Australian Bureau of Statistics 2017b

Table 2.10 Fatal crashes by Urban Centre and Locality (UCL)^a

| | All | Remainder |
|--------------------|-----|-----------|
| Articulated trucks | | |
| 2008 | 44 | 82 |
| 2009 | 28 | 86 |
| 2010 | 32 | 86 |
| 2011 | 39 | 89 |
| 2012 | 30 | 97 |
| 2013 | 23 | 72 |
| 2014 | 22 | 78 |
| 2015 | 24 | 75 |
| Heavy rigid trucks | | |
| 2008 | 49 | 35 |
| 2009 | 30 | 43 |
| 2010 | 34 | 38 |
| 2011 | 26 | 33 |
| 2012 | 40 | 43 |
| 2013 | 38 | 24 |
| 2014 | 35 | 40 |
| 2015 | 30 | 43 |
| Buses | | |
| 2008 | 15 | 7 |
| 2009 | 14 | 11 |
| 2010 | 14 | 6 |
| 2011 | 21 | 2 |
| 2012 | 18 | 3 |
| 2013 | 7 | 4 |
| 2014 | 9 | 6 |
| 2015 | 10 | 7 |

Crash involving any heavy vehicle

| | All | Remainder |
|------|-----|-----------|
| 2008 | 107 | 123 |
| 2009 | 71 | 132 |
| 2010 | 77 | 126 |
| 2011 | 85 | 121 |
| 2012 | 85 | 137 |
| 2013 | 66 | 98 |
| 2014 | 65 | 123 |
| 2015 | 64 | 121 |

a 'UCL' refers to Urban Centre and Locality. An 'Urban Centre' is generally defined as a population centre with a 'core urban population' of 1,000 or more people. A 'Locality' is generally defined as a population centre of between 200 and 999 people. People living in Urban Centres are classified as urban for statistical purposes while those in 'Localities' are classified as rural, that is, non-urban.

Sources National Crash Database; Australian Bureau of Statistics 2013

Table 2.11 Fatal crashes involving heavy vehicles – validity of heavy vehicle driver's licence (excludes WA)

| | All valid | Any invalid | Unknown | Total |
|--------------------|-----------|-------------|---------|-------|
| Articulated trucks | | | | |
| 2008 | 3 106 | | 9 | 118 |
| 2009 | 94 | 0 | 9 | 103 |
| 2010 | 84 | 2 | 19 | 105 |
| 2011 | 101 | 3 | 9 | 113 |
| 2012 | 101 | 2 | 13 | 116 |
| 2013 | 75 | 1 | 11 | 87 |
| 2014 | 77 | 2 | 21 | 100 |
| 2015 | 76 | 0 | 22 | 98 |
| | | | | |
| Heavy rigid trucks | | | | |
| 2008 | 77 | 4 | 3 | 84 |
| 2009 | 69 | 2 | 1 | 72 |
| 2010 | 64 | 4 | 3 | 71 |
| 2011 | 52 | 1 | 5 | 58 |
| 2012 | 78 | 2 | 3 | 83 |
| 2013 | 52 | 0 | 10 | 62 |
| 2014 | 63 | 0 | 11 | 74 |
| 2015 | 60 | 2 | 11 | 73 |
| Buses | | | | |
| 2008 | 21 | 0 | 1 | 22 |
| 2009 | 24 | 0 | 1 | 25 |
| 2010 | 19 | 0 | 1 | 20 |
| 2011 | 21 | 1 | 1 | 23 |
| 2012 | 20 | 0 | 1 | 21 |
| 2013 | 9 | 0 | 2 | 11 |
| 2014 | 11 | 1 | 3 | 15 |
| 2015 | 14 | 0 | 3 | 17 |

Source National Crash Database

Table 2.12 Fatal crashes involving heavy vehicles – specified heavy vehicle driver BAC status (excludes Victoria and WA)

| | All pass | Any fail | Unknown | Total |
|--------------------|----------|----------|---------|-------|
| Articulated trucks | | | | |
| 2008 | 55 | 5 | 45 | 105 |
| 2009 | 60 | 0 | 37 | 97 |
| 2010 | 56 | 1 | 30 | 87 |
| 2011 | 67 | 3 | 37 | 107 |
| 2012 | 60 | 2 | 38 | 100 |
| 2013 | 46 | 2 | 34 | 82 |
| 2014 | 39 | 1 | 34 | 74 |
| 2015 | 42 | 1 | 34 | 77 |
| Heavy rigid trucks | | | | |
| 2008 | 37 | 3 | 22 | 62 |
| 2009 | 37 | 1 | 15 | 53 |
| 2010 | 34 | 5 | 13 | 52 |
| 2011 | 24 | 2 | 18 | 44 |
| 2012 | 42 | 0 | 25 | 67 |
| 2013 | 29 | 0 | 21 | 50 |
| 2014 | 33 | 0 | 19 | 52 |
| 2015 | 30 | 1 | 25 | 56 |
| Buses | | | | |
| 2008 | 8 | 0 | 10 | 18 |
| 2009 | 11 | 0 | 8 | 19 |
| 2010 | 12 | 0 | 5 | 17 |
| 2011 | 12 | 1 | 6 | 19 |
| 2012 | 11 | 0 | 7 | 18 |
| 2013 | 3 | 0 | 5 | 8 |
| 2014 | 8 | 0 | 4 | 12 |
| 2015 | 6 | 0 | 5 | 11 |

Source

National Crash Database

Table 2.13 Fatal crashes involving heavy vehicles by weekly time block 2012–2016

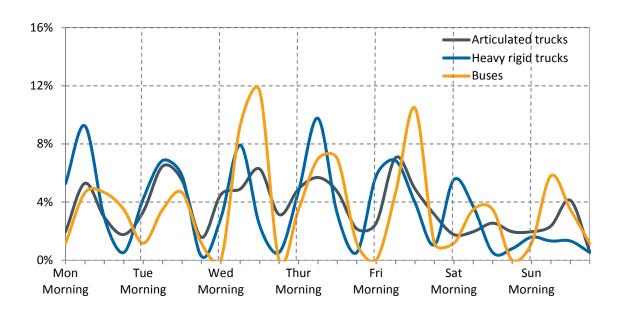
| Crash time | of week | Articulated truck | Heavy rigid truck | Bus |
|------------|---------|-------------------|-------------------|-------------|
| | | involvement | involvement | involvement |
| Monday | Morning | 10 | 20 | 1 |
| | Midday | 27 | 35 | 4 |
| | Evening | 15 | 11 | 4 |
| | Night | 9 | 2 | 3 |
| Tuesday | Morning | 17 | 16 | 1 |
| | Midday | 33 | 26 | 3 |
| | Evening | 28 | 22 | 4 |
| | Night | 8 | 1 | 1 |
| Wednesday | Morning | 23 | 11 | 0 |
| | Midday | 25 | 30 | 8 |
| | Evening | 32 | 9 | 10 |
| | Night | 16 | 2 | 0 |
| Thursday | Morning | 25 | 18 | 3 |
| | Midday | 29 | 37 | 6 |
| | Evening | 24 | 12 | 6 |
| | Night | 11 | 2 | 1 |
| Friday | Morning | 13 | 22 | 0 |
| | Midday | 36 | 26 | 4 |
| | Evening | 25 | 15 | 9 |
| | Night | 16 | 4 | 1 |
| Saturday | Morning | 9 | 21 | 1 |
| | Midday | 10 | 14 | 3 |
| | Evening | 13 | 2 | 3 |
| | Night | 10 | 3 | 0 |
| Sunday | Morning | 10 | 6 | 1 |
| | Midday | 12 | 5 | 5 |
| | Evening | 21 | 5 | 3 |
| | Night | 3 | 2 | 1 |

Morning3 am to 8:59 amMidday9 am to 2:59 pm

Evening 3 pm to 8:59 pm **Night** 9 pm to 2:59 am

a Excludes crashes with unrecorded time.
Source Australian Road Deaths Database

Figure 2.7 Fatal crashes involving heavy vehicles by weekly time block 2012-2016



Morning Midday Source

3 am to 8:59 am 9 am to 2:59 pm

Evening Night Australian Road Deaths Database

3 pm to 8:59 pm 9 pm to 2:59 am

SECTION 3

Rates

This section presents rates for fatal crashes standardised by vehicle registrations, vehicle kilometres travelled (VKT) and licence counts. In general, rates are composed of fatal crashes during the calendar year divided by the exposure measure at the mid-point.

- Over the decade to 2016, national rates of fatal-crashes-involving-heavy-vehicles per registration have fallen substantially. For articulated truck involved crashes the reduction was 50.2 per cent, for heavy rigid truck fatal crashes the reduction was 50.2 per cent and for bus involved fatal crashes the rate declined by 26.1 per cent (Table 3.1, p. 36).
- Over the latest three years (2014-2016) however, the rates have increased for all type of crash (Table 3.1, p. 36).
- National rates per vehicle-kilometre-travelled show similar reductions over the decade, and similar increases over the last three years. However there are significant differences between the jurisdictions. (Table 3.2, p. 38).
- Fatal crash rates per (heavy vehicle) licence holder are available for the six years to 2015. During this time, articulated truck rates trended down but rates for heavy rigid truck crashes were flat (Table 3.3, p. 39).

Table 3.1 Heavy vehicle involved fatal crash rates per 10,000 heavy vehicles registrations

| | Articulated trucks | Heavy rigid trucks ^a | Any heavy truck ^b | Buses |
|---------------------------|-----------------------|------------------------------------|---------------------------------|-------|
| 2007 | 19.6 | 2.7 | 6.0 | 3.2 |
| 2008 | 16.3 | 2.8 | 5.5 | 2.5 |
| 2009 | 14.9 | 2.3 | 4.7 | 3.0 |
| 2010 | 14.9 | 2.2 | 4.6 | 2.3 |
| 2011 | 14.4 | 1.9 | 4.5 | 2.7 |
| 2012 | 14.1 | 2.6 | 5.0 | 1.9 |
| 2013 | 9.9 | 2.0 | 3.6 | 1.2 |
| 2014 | 10.8 | 2.3 | 4.2 | 1.7 |
| 2015 | 10.6 | 2.2 | 4.1 | 2.0 |
| 2016 | 9.8 | 2.4 | 3.9 | 2.4 |
| Ave. trend change p.a.(%) | -7.1 | -1.6 | -4.3 | -5.5 |

⁻ for the last 10 years

a Only available from 2004.

Source Australian Road Deaths Database; Australian Bureau of Statistics 2015

Figure 3.1 Heavy vehicle involved fatal crash rates per 10,000 heavy vehicles registrations



Source Australian Road Deaths Database; Australian Bureau of Statistics 2015

Table 3.2 Heavy vehicle involved fatal crash rates per billion vehicle kilometres travelled (VKT) by state

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|---|------|------|-------|------|------|------|------|-------|-----------|
| Articulated trucks | | | | | | | | | |
| 2007 | 23.8 | 18.5 | 26.7 | 10.3 | 20.5 | 27.5 | 27.5 | 0.0 | 21.7 |
| 2008 | 20.6 | 13.6 | 23.8 | 15.1 | 9.8 | 40.4 | 41.9 | 0.0 | 18.7 |
| 2009 | 14.6 | 10.7 | 26.2 | 15.2 | 14.0 | 67.8 | 28.2 | 127.6 | 17.7 |
| 2010 | 18.0 | 19.2 | 17.0 | 11.7 | 18.8 | 20.2 | 13.9 | 63.2 | 17.7 |
| 2011 | 18.3 | 12.6 | 20.9 | 19.2 | 13.8 | 13.2 | 41.4 | 0.0 | 17.2 |
| 2012 | 16.3 | 16.9 | 21.7 | 13.9 | 8.2 | 20.0 | 27.1 | 0.0 | 16.6 |
| 2013 | 12.3 | 7.5 | 15.4 | 12.2 | 8.9 | 13.5 | 39.5 | 0.0 | 11.8 |
| 2014 | 11.3 | 14.1 | 14.9 | 15.1 | 6.4 | 27.0 | 0.0 | 116.1 | 12.9 |
| 2015 | 12.2 | 11.5 | 12.7 | 17.7 | 11.2 | 13.6 | 0.0 | 57.4 | 12.5 |
| 2016 | 8.9 | 11.1 | 12.2 | 14.5 | 8.8 | 20.4 | 47.7 | 56.6 | 11.3 |
| Ave. trend change p.a.(%) - for the last 10 years | -8.7 | -4.1 | -8.4 | 2.4 | -7.8 | -9.1 | - | - | -6.8 |
| Heavy rigid trucks | | | | | | | | | |
| 2007 | 10.2 | 12.2 | 5.0 | 9.4 | 9.8 | 4.8 | 12.0 | 14.1 | 9.3 |
| 2008 | 4.2 | 10.9 | 10.3 | 14.7 | 17.2 | 9.3 | 23.4 | 0.0 | 9.6 |
| 2009 | 8.3 | 9.1 | 6.4 | 3.7 | 15.2 | 4.6 | 0.0 | 0.0 | 8.3 |
| 2010 | 7.1 | 8.7 | 5.8 | 3.6 | 10.0 | 18.4 | 0.0 | 13.8 | 7.6 |
| 2011 | 5.2 | 6.6 | 6.1 | 10.5 | 7.1 | 9.0 | 23.0 | 0.0 | 6.5 |
| 2012 | 7.5 | 6.4 | 10.3 | 10.3 | 14.0 | 9.1 | 11.3 | 12.8 | 9.0 |
| 2013 | 7.4 | 5.4 | 4.8 | 6.9 | 12.6 | 0.0 | 0.0 | 0.0 | 6.6 |
| 2014 | 7.0 | 10.1 | 3.8 | 17.0 | 8.1 | 13.5 | 0.0 | 0.0 | 7.7 |
| 2015 | 7.2 | 7.8 | 6.6 | 3.4 | 7.8 | 22.5 | 10.7 | 0.0 | 7.4 |
| 2016 | 10.2 | 7.2 | 4.8 | 8.4 | 7.5 | 17.8 | 0.0 | 0.0 | 7.8 |
| Ave. trend change p.a.(%) - for the last 10 years | 2.1 | -4.8 | -3.6 | -1.1 | -5.7 | - | - | - | -2.4 |
| Buses | | | | | | | | | |
| 2007 | 20.4 | 11.2 | 14.4 | 6.9 | 6.4 | 0.0 | 0.0 | 0.0 | 12.5 |
| 2008 | 9.0 | 10.4 | 16.1 | 6.7 | 6.3 | 0.0 | 0.0 | 0.0 | 9.7 |
| 2009 | 13.9 | 14.8 | 15.5 | 13.2 | 0.0 | 20.6 | 0.0 | 0.0 | 11.7 |
| 2010 | 15.4 | 4.7 | 5.6 | 19.3 | 0.0 | 20.6 | 11.6 | 31.8 | 9.1 |
| 2011 | 18.4 | 11.1 | 12.5 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 10.6 |
| 2012 | 9.7 | 6.2 | 10.3 | 6.3 | 2.9 | 0.0 | 0.0 | 0.0 | 7.2 |
| 2013 | 3.2 | 6.4 | 8.2 | 0.0 | 0.0 | 0.0 | 10.9 | 0.0 | 4.6 |
| 2014 | 9.6 | 6.3 | 1.6 | 6.3 | 10.5 | 0.0 | 0.0 | 28.1 | 6.6 |
| 2015 | 7.8 | 12.6 | 3.2 | 6.2 | 5.2 | 19.6 | 10.5 | 28.4 | 7.7 |
| 2016 | 15.5 | 4.2 | 4.8 | 18.4 | 7.8 | 19.4 | 10.3 | 0.0 | 9.3 |
| Ave. trend change p.a.(%) | -6.3 | -6.7 | -17.3 | - | - | - | - | - | -5.7 |

Source Australian Road Deaths Database; Bureau of Infrastructure, Transport and Regional Economics Unpublished

- for the last 10 years

Table 3.3 Fatal crash rates involving heavy vehicles per 10,000 heavy vehicle licence holders a,b,c

| | Articulated trucks | Heavy rigid trucks |
|------|--------------------|--------------------|
| 2010 | 2.2 | 0.5 |
| 2011 | 2.3 | 0.4 |
| 2012 | 2.3 | 0.5 |
| 2013 | 1.6 | 0.4 |
| 2014 | 1.9 | 0.5 |
| 2015 | 1.8 | 0.5 |

Excludes WA due to unavailability of licence data by class.

Licence data is at June each year.
For Licence Class definition, see Glossary.

Bureau of Infrastructure, Transport and Regional Economics 2015

| BITRE • Road trauma involving heavy vehicles 2016 statistical summ | |
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SECTION 4 Historical series

This section presents longer time series of annual fatalities and fatal crashes.

- Over the last 25 years, counts of fatal crashes involving articulated trucks have decreased by 39.7 per cent. By jurisdiction, the reductions range from 0.0 per cent for Queensland to 64.1 per cent for New South Wales (Table 4.5, p. 50). During this time however, registrations have increased by 44 per cent (New South Wales) and 134 per cent (Queensland).
- Vulnerable road users (pedestrians, motorcyclists and pedal cyclists) account for 15 per cent of fatalities in crashes where an articulated truck is involved. This proportion has not changed in 25 years. For bus involved crashes, vulnerable road users account for 50 per cent of fatalities (also not significantly changed in 25 years) (Table 4.3, p. 46).

Table 4.1 Deaths from crashes involving heavy vehicles by state/territory 1989–2016

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|--------------------|-----|-----|-----|----|----|-----|----|-----|-----------|
| Articulated trucks | | | | | | | | | |
| 1989 | 143 | 68 | 60 | 31 | 20 | 9 | 3 | 1 | 335 |
| 1990 | 94 | 68 | 37 | 26 | 17 | 13 | 8 | 0 | 263 |
| 1991 | 78 | 40 | 26 | 22 | 12 | 4 | 1 | 0 | 183 |
| 1992 | 84 | 32 | 38 | 14 | 10 | 1 | 2 | 0 | 181 |
| 1993 | 69 | 50 | 42 | 18 | 21 | 3 | 1 | 0 | 204 |
| 1994 | 67 | 38 | 41 | 15 | 16 | 1 | 1 | 0 | 179 |
| 1995 | 63 | 38 | 55 | 19 | 14 | 5 | 4 | 1 | 199 |
| 1996 | 56 | 39 | 42 | 25 | 26 | 2 | 2 | 2 | 194 |
| 1997 | 71 | 27 | 35 | 18 | 14 | 4 | 2 | 0 | 171 |
| 1998 | 71 | 32 | 33 | 24 | 13 | 2 | 2 | 2 | 179 |
| 1999 | 64 | 39 | 38 | 21 | 23 | 2 | 3 | 1 | 191 |
| 2000 | 84 | 40 | 40 | 19 | 13 | 6 | 6 | 0 | 208 |
| 2001 | 60 | 45 | 33 | 18 | 14 | 5 | 0 | 3 | 178 |
| 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 | 18 | 4 | 2 | 0 | 151 |
| 2005 | 52 | 32 | 35 | 17 | 13 | 5 | 1 | 0 | 155 |
| 2006 | 69 | 29 | 37 | 10 | 14 | 7 | 2 | 0 | 168 |
| 2007 | 59 | 47 | 41 | 7 | 20 | 5 | 2 | 0 | 181 |
| 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 | 13 | 2 | 3 | 0 | 140 |
| 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 | 27 | 23 | 25 | 11 | 10 | 5 | 5 | 1 | 107 |
| Heavy rigid trucks | | | | | | | | | |
| 2004 | 38 | 30 | 22 | 7 | 7 | 4 | 0 | 0 | 108 |
| 2005 | 28 | 33 | 13 | 3 | 7 | 2 | 1 | 1 | 88 |
| 2006 | 30 | 15 | 16 | 5 | 9 | 3 | 1 | 1 | 80 |
| 2007 | 29 | 26 | 11 | 5 | 10 | 1 | 2 | 1 | 85 |
| 2008 | 12 | 23 | 24 | 9 | 19 | 2 | 2 | 0 | 91 |
| 2009 | 24 | 19 | 13 | 2 | 18 | 1 | 0 | 0 | 77 |
| 2010 | 24 | 21 | 15 | 2 | 13 | 5 | 0 | 1 | 81 |
| 2011 | 17 | 20 | 14 | 6 | 9 | 2 | 4 | 0 | 72 |
| 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 | 19 | 13 | 8 | 11 | 6 | 0 | 0 | 91 |

Note

Data for the Heavy rigid truck involved is only available from 2004.

Table 4.1 Deaths from crashes involving heavy vehicles by state/territory 1989–2016 (continued)

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|-------|-----|-----|-----|----|----|-----|----|-----|-----------|
| Buses | | | | | | | | | |
| 1989 | 84 | 5 | 9 | 2 | 1 | 0 | 0 | 3 | 104 |
| 1990 | 16 | 6 | 15 | 5 | 3 | 0 | 1 | 0 | 46 |
| 1991 | 7 | 6 | 13 | 3 | 1 | 1 | 0 | 1 | 32 |
| 1992 | 20 | 4 | 4 | 3 | 2 | 5 | 0 | 1 | 39 |
| 1993 | 15 | 15 | 8 | 2 | 6 | 1 | 1 | 1 | 49 |
| 1994 | 8 | 7 | 19 | 0 | 3 | 1 | 1 | 1 | 40 |
| 1995 | 9 | 3 | 6 | 2 | 2 | 1 | 0 | 0 | 23 |
| 1996 | 18 | 5 | 9 | 0 | 3 | 1 | 0 | 2 | 38 |
| 1997 | 14 | 1 | 3 | 0 | 5 | 2 | 1 | 1 | 27 |
| 1998 | 15 | 2 | 10 | 0 | 0 | 1 | 1 | 0 | 29 |
| 1999 | 13 | 2 | 12 | 2 | 1 | 1 | 0 | 1 | 32 |
| 2000 | 13 | 3 | 6 | 1 | 0 | 1 | 0 | 0 | 24 |
| 2001 | 12 | 7 | 4 | 2 | 0 | 5 | 0 | 2 | 32 |
| 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 | 2 | 0 | 0 | 0 | 38 |
| 2006 | 7 | 3 | 5 | 1 | 1 | 1 | 1 | 0 | 19 |
| 2007 | 11 | 4 | 7 | 1 | 2 | 0 | 0 | 0 | 25 |
| 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 | 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 |

Source Australian Road Deaths Database

Table 4.2 Deaths from crashes involving heavy vehicles by age group 1989–2016

| | 0 to 16 | 17 to 25 | 26 to 39 | 40 to 64 | ≥65 | Total ^a |
|--------------------|---------|----------|----------|----------|-----|--------------------|
| Articulated trucks | | | | | | |
| 1989 | 28 | 91 | 103 | 82 | 27 | 335 |
| 1990 | 17 | 81 | 67 | 70 | 28 | 263 |
| 1991 | 13 | 49 | 56 | 35 | 29 | 183 |
| 1992 | 7 | 42 | 58 | 57 | 17 | 181 |
| 1993 | 7 | 35 | 73 | 70 | 19 | 204 |
| 1994 | 16 | 42 | 47 | 52 | 22 | 179 |
| 1995 | 13 | 46 | 54 | 60 | 26 | 199 |
| 1996 | 11 | 38 | 61 | 55 | 29 | 194 |
| 1997 | 18 | 27 | 50 | 49 | 25 | 171 |
| 1998 | 11 | 35 | 52 | 59 | 20 | 179 |
| 1999 | 15 | 30 | 68 | 47 | 31 | 191 |
| 2000 | 11 | 43 | 67 | 68 | 19 | 208 |
| 2001 | 13 | 36 | 39 | 59 | 31 | 178 |
| 2002 | 12 | 43 | 59 | 62 | 24 | 200 |
| 2003 | 14 | 40 | 25 | 68 | 23 | 171 |
| 2004 | 8 | 29 | 42 | 56 | 16 | 151 |
| 2005 | 10 | 41 | 42 | 36 | 25 | 155 |
| 2006 | 11 | 26 | 52 | 57 | 22 | 168 |
| 2007 | 10 | 31 | 48 | 66 | 26 | 181 |
| 2008 | 8 | 29 | 31 | 56 | 25 | 149 |
| 2009 | 11 | 25 | 29 | 62 | 18 | 145 |
| 2010 | 8 | 25 | 28 | 57 | 25 | 143 |
| 2011 | 3 | 23 | 27 | 68 | 19 | 140 |
| 2012 | 6 | 12 | 45 | 60 | 24 | 148 |
| 2013 | 5 | 14 | 26 | 40 | 25 | 110 |
| 2014 | 4 | 22 | 26 | 45 | 18 | 115 |
| 2015 | 3 | 15 | 24 | 48 | 24 | 114 |
| 2016 | 2 | 14 | 27 | 47 | 17 | 107 |
| Heavy rigid trucks | | | | | | |
| 2004 | 7 | 20 | 20 | 30 | 18 | 108 |
| 2005 | 9 | 19 | 10 | 19 | 17 | 88 |
| 2006 | 7 | 18 | 11 | 17 | 15 | 80 |
| 2007 | 7 | 14 | 24 | 28 | 12 | 85 |
| 2008 | 5 | 19 | 22 | 29 | 16 | 91 |
| 2009 | 4 | 7 | 19 | 31 | 16 | 77 |
| 2010 | 8 | 14 | 12 | 32 | 15 | 81 |
| 2011 | 4 | 15 | 10 | 32 | 11 | 72 |
| 2012 | 3 | 24 | 22 | 27 | 21 | 97 |
| 2013 | 6 | 10 | 11 | 27 | 15 | 69 |
| 2014 | 7 | 10 | 19 | 36 | 16 | 88 |
| 2015 | 2 | 9 | 25 | 28 | 18 | 82 |
| 2016 | 6 | 19 | 15 | 35 | 16 | 91 |

Note

Data for the Heavy rigid truck involved is only available from 2004.

Deaths from crashes involving heavy vehicles by age group Table 4.2 1989-2016 (continued)

| | 0 to 16 | 17 to 25 | 26 to 39 | 40 to 64 | ≥65 | Total ^a |
|-------|---------|----------|----------|----------|-----|--------------------|
| Buses | | | | | | |
| 1989 | 12 | 23 | 22 | 29 | 13 | 104 |
| 1990 | 6 | 7 | 8 | 6 | 19 | 46 |
| 1991 | 7 | 7 | 3 | 5 | 10 | 32 |
| 1992 | 3 | 7 | 7 | 14 | 8 | 39 |
| 1993 | 3 | 12 | 10 | 17 | 7 | 49 |
| 1994 | 9 | 7 | 3 | 5 | 16 | 40 |
| 1995 | 0 | 7 | 5 | 4 | 7 | 23 |
| 1996 | 4 | 6 | 6 | 12 | 10 | 38 |
| 1997 | 3 | 2 | 10 | 8 | 4 | 27 |
| 1998 | 3 | 6 | 6 | 7 | 7 | 29 |
| 1999 | 0 | 11 | 4 | 11 | 6 | 32 |
| 2000 | 5 | 4 | 5 | 7 | 3 | 24 |
| 2001 | 2 | 6 | 9 | 7 | 8 | 32 |
| 2002 | 2 | 10 | 5 | 9 | 10 | 36 |
| 2003 | 1 | 5 | 3 | 13 | 7 | 29 |
| 2004 | 3 | 4 | 5 | 8 | 10 | 30 |
| 2005 | 2 | 8 | 8 | 6 | 12 | 38 |
| 2006 | 2 | 1 | 4 | 7 | 5 | 19 |
| 2007 | 1 | 2 | 7 | 10 | 5 | 25 |
| 2008 | 2 | 6 | 5 | 5 | 3 | 21 |
| 2009 | 5 | 9 | 2 | 10 | 5 | 31 |
| 2010 | 0 | 4 | 9 | 6 | 2 | 21 |
| 2011 | 2 | 3 | 7 | 8 | 5 | 25 |
| 2012 | 1 | 1 | 2 | 7 | 7 | 18 |
| 2013 | 1 | 1 | 2 | 6 | 2 | 12 |
| 2014 | 4 | 4 | 4 | 6 | 2 | 20 |
| 2015 | 1 | 2 | 6 | 8 | 5 | 22 |
| 2016 | 0 | 2 | 5 | 8 | 9 | 24 |

Includes deaths to persons with age not recorded. Australian Road Deaths Database

a Source

Table 4.3 Deaths from crashes involving heavy vehicles by road user 1989–2016

| | Driver ^a | Passenger ^a | Pedestrian | Motorcyclist b | Pedal cyclist ^b | Total ^c |
|--------------------|---------------------|------------------------|------------|----------------|----------------------------|--------------------|
| Articulated trucks | | | | | | |
| 1989 | 178 | 103 | 32 | 14 | 8 | 335 |
| 1990 | 161 | 69 | 15 | 9 | 9 | 263 |
| 1991 | 108 | 41 | 12 | 15 | 7 | 183 |
| 1992 | 112 | 43 | 15 | 11 | 0 | 181 |
| 1993 | 132 | 47 | 15 | 6 | 4 | 204 |
| 1994 | 110 | 45 | 15 | 4 | 5 | 179 |
| 1995 | 115 | 50 | 15 | 18 | 1 | 199 |
| 1996 | 126 | 44 | 13 | 7 | 4 | 194 |
| 1997 | 104 | 42 | 11 | 9 | 5 | 171 |
| 1998 | 108 | 43 | 16 | 7 | 5 | 179 |
| 1999 | 117 | 38 | 17 | 15 | 4 | 191 |
| 2000 | 128 | 48 | 18 | 7 | 3 | 208 |
| 2001 | 110 | 39 | 18 | 5 | 6 | 178 |
| 2002 | 123 | 42 | 16 | 15 | 4 | 200 |
| 2003 | 104 | 40 | 13 | 13 | 1 | 171 |
| 2004 | 111 | 20 | 14 | 3 | 3 | 151 |
| 2005 | 99 | 32 | 11 | 9 | 4 | 155 |
| 2006 | 100 | 35 | 19 | 8 | 6 | 168 |
| 2007 | 103 | 44 | 19 | 10 | 5 | 181 |
| 2008 | 94 | 23 | 17 | 11 | 4 | 149 |
| 2009 | 97 | 25 | 20 | 3 | 0 | 145 |
| 2010 | 80 | 36 | 14 | 7 | 6 | 143 |
| 2011 | 86 | 26 | 20 | 6 | 2 | 140 |
| 2012 | 93 | 30 | 16 | 8 | 0 | 148 |
| 2013 | 70 | 21 | 10 | 7 | 2 | 110 |
| 2014 | 74 | 20 | 10 | 8 | 3 | 115 |
| 2015 | 79 | 19 | 8 | 5 | 3 | 114 |
| 2016 | 72 | 19 | 5 | 8 | 3 | 107 |
| Heavy rigid trucks | | | | | | |
| 2004 | 61 | 18 | 15 | 8 | 6 | 108 |
| 2005 | 40 | 24 | 11 | 10 | 3 | 88 |
| 2006 | 56 | 13 | 6 | 10 | 3 | 89 |
| 2007 | 48 | 10 | 12 | 8 | 7 | 85 |
| 2008 | 49 | 13 | 15 | 11 | 2 | 91 |
| 2009 | 43 | 12 | 10 | 9 | 3 | 77 |
| 2010 | 39 | 21 | 7 | 9 | 5 | 81 |
| 2011 | 34 | 14 | 14 | 6 | 4 | 72 |
| 2012 | 53 | 16 | 13 | 12 | 3 | 97 |
| 2013 | 33 | 9 | 16 | 5 | 6 | 69 |
| 2014 | 47 | 15 | 10 | 12 | 4 | 88 |
| 2015 | 49 | 11 | 9 | 7 | 6 | 82 |
| 2016 | 57 | 13 | 7 | 10 | 3 | 91 |

Note

Data for the Heavy rigid truck involved is only available from 2004.

Table 4.3 Deaths from crashes involving heavy vehicles by road user 1989–2016 (continued)

| | Driver ^a | Passenger ^a | Pedestrian | Motorcyclist b | Pedal cyclist ^b | Total ^c |
|-------|---------------------|------------------------|------------|----------------|----------------------------|--------------------|
| Buses | | | | | | |
| 1989 | 18 | 65 | 14 | 6 | 1 | 104 |
| 1990 | 8 | 24 | 8 | 1 | 5 | 46 |
| 1991 | 7 | 6 | 11 | 6 | 2 | 32 |
| 1992 | 8 | 18 | 10 | 1 | 2 | 39 |
| 1993 | 16 | 17 | 10 | 4 | 2 | 49 |
| 1994 | 9 | 18 | 10 | 1 | 2 | 40 |
| 1995 | 9 | 4 | 8 | 1 | 1 | 23 |
| 1996 | 9 | 14 | 14 | 1 | 0 | 38 |
| 1997 | 11 | 8 | 6 | 0 | 2 | 27 |
| 1998 | 8 | 8 | 7 | 5 | 1 | 29 |
| 1999 | 16 | 5 | 9 | 1 | 1 | 32 |
| 2000 | 2 | 9 | 12 | 1 | 0 | 24 |
| 2001 | 9 | 9 | 11 | 1 | 2 | 32 |
| 2002 | 7 | 13 | 13 | 2 | 1 | 36 |
| 2003 | 11 | 7 | 7 | 4 | 0 | 29 |
| 2004 | 9 | 5 | 7 | 6 | 3 | 30 |
| 2005 | 13 | 14 | 9 | 2 | 0 | 38 |
| 2006 | 4 | 2 | 9 | 3 | 1 | 19 |
| 2007 | 10 | 3 | 7 | 2 | 3 | 25 |
| 2008 | 2 | 7 | 4 | 7 | 1 | 21 |
| 2009 | 9 | 12 | 7 | 2 | 1 | 31 |
| 2010 | 7 | 2 | 3 | 8 | 1 | 21 |
| 2011 | 3 | 5 | 13 | 2 | 2 | 25 |
| 2012 | 6 | 4 | 5 | 3 | 0 | 18 |
| 2013 | 5 | 1 | 1 | 2 | 3 | 12 |
| 2014 | 3 | 6 | 6 | 2 | 3 | 20 |
| 2015 | 10 | 7 | 2 | 3 | 0 | 22 |
| 2016 | 9 | 3 | 9 | 3 | 0 | 24 |

a Includes drivers/passengers of light and heavy vehicles.

b Includes pillion passengers.

c Includes road users not separately specified.

Source Australian Road Deaths Database

Table 4.4 Deaths by crash type for crashes involving heavy vehicles 1989–2016

| | Single vehicle | Multiple vehicle | Pedestrian | | Single vehicle | Multiple vehicle | Pedestrian |
|--------------------|-------------------|---------------------|------------|-------|-------------------|---------------------|------------|
| Articulated trucks | | | | Buses | | | |
| 1989 | 44 | 257 | 34 | 1989 | 2 | 88 | 14 |
| 1990 | 45 | 203 | 15 | 1990 | 14 | 24 | 8 |
| 1991 | 30 | 141 | 12 | 1991 | 1 | 20 | 11 |
| 1992 | 33 | 133 | 15 | 1992 | 7 | 22 | 10 |
| 1993 | 31 | 158 | 15 | 1993 | 1 | 38 | 10 |
| 1994 | 24 | 140 | 15 | 1994 | 14 | 16 | 10 |
| 1995 | 35 | 149 | 15 | 1995 | 1 | 14 | 8 |
| 1996 | 24 | 157 | 13 | 1996 | 2 | 22 | 14 |
| 1997 | 31 | 129 | 11 | 1997 | 6 | 15 | 6 |
| 1998 | 34 | 129 | 16 | 1998 | 3 | 19 | 7 |
| 1999 | 20 | 154 | 17 | 1999 | 1 | 22 | 9 |
| 2000 | 25 | 165 | 18 | 2000 | 1 | 11 | 12 |
| 2001 | 18 | 142 | 18 | 2001 | 4 | 17 | 11 |
| 2002 | 31 | 153 | 16 | 2002 | 8 | 15 | 13 |
| 2003 | 20 | 138 | 13 | 2003 | 4 | 18 | 7 |
| 2004 | 27 | 110 | 14 | 2004 | 1 | 22 | 7 |
| 2005 | 28 | 116 | 11 | 2005 | 8 | 21 | 9 |
| 2006 | 24 | 124 | 20 | 2006 | 2 | 8 | 9 |
| 2007 | 33 | 129 | 19 | 2007 | 1 | 17 | 7 |
| 2008 | 25 | 107 | 17 | 2008 | 6 | 11 | 4 |
| 2009 | 31 | 94 | 20 | 2009 | 9 | 15 | 7 |
| 2010 | 15 | 114 | 14 | 2010 | 3 | 15 | 3 |
| 2011 | 20 | 100 | 20 | 2011 | 3 | 9 | 13 |
| 2012 | 19 | 112 | 17 | 2012 | 2 | 11 | 5 |
| 2013 | 8 | 92 | 10 | 2013 | 0 | 11 | 1 |
| 2014 | 17 | 88 | 10 | 2014 | 4 | 10 | 6 |
| 2015 | 19 | 87 | 8 | 2015 | 1 | 19 | 2 |
| 2016 | 11 | 91 | 5 | 2016 | 2 | 13 | 9 |

Table 4.4 Deaths by crash type for crashes involving heavy vehicles 1989–2016 (continued)

| | Single vehicle | Multiple vehicle | Pedestrian |
|--------------------|-------------------|---------------------|------------|
| Heavy rigid trucks | | | |
| 2004 | 11 | 82 | 15 |
| 2005 | 7 | 70 | 11 |
| 2006 | 7 | 60 | 13 |
| 2007 | 6 | 67 | 12 |
| 2008 | 12 | 64 | 15 |
| 2009 | 7 | 60 | 10 |
| 2010 | 7 | 67 | 7 |
| 2011 | 7 | 51 | 14 |
| 2012 | 5 | 79 | 13 |
| 2013 | 4 | 49 | 16 |
| 2014 | 7 | 71 | 10 |
| 2015 | 7 | 66 | 9 |
| 2016 | 10 | 74 | 7 |

Data for the Heavy rigid truck involved is only available from 2004. Australian Road Deaths Database Note

Source

Table 4.5 Fatal crashes involving heavy vehicles by state/territory 1989–2016

| Articulated trucks 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 | 99 77 64 73 60 52 49 48 60 58 | 57 51 35 27 34 36 31 33 | 45 31 23 34 38 34 | 23 18 18 8 17 | 18 15 11 10 | 4 10 4 1 | 3 3 1 1 | 1 0 0 | 250 205 |
|--|--|--|----------------------------------|---------------------------|----------------------|-------------------|------------------|-------------|------------|
| 1990 1991 1992 1993 1994 1995 1996 1997 1998 | 77 64 73 60 52 49 48 60 58 | 51 35 27 34 36 31 | 31 23 34 38 34 | 18 18 8 17 | 15 11 10 | 10 4 | 3 1 | 0 | 205 |
| 1991 1992 1993 1994 1995 1996 1997 1998 | 64 73 60 52 49 48 60 58 | 35 27 34 36 31 | 23 34 38 34 | 18 8 17 | 11 10 | 4 | 1 | | |
| 1992 1993 1994 1995 1996 1997 1998 | 73 60 52 49 48 60 58 | 27 34 36 31 | 34 38 34 | 8 17 | 10 | | | 0 | 450 |
| 1993 1994 1995 1996 1997 1998 | 60 52 49 48 60 58 | 34 36 31 | 38 34 | 17 | | 1 | 1 | | 156 |
| 1994 1995 1996 1997 1998 1999 | 52 49 48 60 58 | 36 31 | 34 | | 10 | | 1 | 0 | 154 |
| 1995 1996 1997 1998 1999 | 49 48 60 58 | 31 | | | 18 | 3 | 1 | 0 | 171 |
| 1996 1997 1998 1999 | 48 60 58 | | 47 | 14 | 13 | 1 | 1 | 0 | 151 |
| 1997 1998 1999 | 60 58 | 33 | 47 | 17 | 12 | 4 | 4 | 1 | 165 |
| 1998 1999 | 58 | - | 34 | 19 | 23 | 2 | 1 | 1 | 161 |
| 1999 | | 26 | 29 | 12 | 13 | 4 | 2 | 0 | 146 |
| | | 30 | 28 | 18 | 12 | 2 | 2 | 1 | 151 |
| 2000 | 55 | 35 | 30 | 17 | 20 | 2 | 3 | 1 | 163 |
| | 69 | 32 | 28 | 15 | 12 | 6 | 3 | 0 | 165 |
| 2001 | 48 | 32 | 31 | 17 | 11 | 4 | 0 | 3 | 146 |
| 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 | 17 | 4 | 2 | 0 | 138 |
| 2005 | 45 | 28 | 27 | 15 | 11 | 5 | 1 | 0 | 132 |
| 2006 | 57 | 24 | 34 | 9 | 12 | 5 | 2 | 0 | 143 |
| 2007 | 53 | 29 | 38 | 6 | 14 | 4 | 2 | 0 | 146 |
| 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 | 11 | 2 | 3 | 0 | 124 |
| 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 | 23 | 21 | 23 | 10 | 9 | 3 | 4 | 1 | 94 |
| Heavy rigid trucks | | | | | | | | | |
| 2004 | 30 | 25 | 19 | 7 | 7 | 4 | 0 | 0 | 92 |
| 2005 | 26 | 28 | 10 | 3 | 7 | 2 | 1 | 1 | 78 |
| 2006 | 24 | 15 | 15 | 5 | 8 | 3 | 1 | 1 | 72 |
| 2007 | 28 | 24 | 10 | 5 | 10 | 1 | 1 | 1 | 80 |
| 2008 | 12 | 22 | 21 | 8 | 18 | 2 | 2 | 0 | 85 |
| 2009 | 23 | 18 | 13 | 2 | 16 | 1 | 0 | 0 | 73 |
| 2010 | 20 | 18 | 12 | 2 | 11 | 4 | 0 | 1 | 68 |
| 2011 | 15 | 14 | 13 | 6 | 8 | 2 | 2 | 0 | 60 |
| 2012 | 22 | 14 | 23 | 6 | 16 | 2 | 1 | 1 | 85 |
| 2013 | 22 | 12 | 11 | 4 | 15 | 0 | 0 | 0 | 64 |
| 2013 | 21 | 23 | 9 | 10 | 10 | 3 | 0 | 0 | 76 |
| 2015 | 22 | 18 | 16 | 2 | 10 | 5 | 1 | 0 | 76 74 |
| 2016 | 32 | 17 | 12 | 5 | 10 | 4 | 0 | 0 | 80 |

Note

Data for the Heavy rigid truck involved is only available from 2004.

Table 4.5 Fatal crashes involving heavy vehicles by state/territory 1989–2016 (continued)

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|-------|-----|-----|-----|----|----|-----|----|-----|-----------|
| Buses | | | | | | | | | _ |
| 1989 | 25 | 5 | 9 | 2 | 1 | 0 | 0 | 3 | 45 |
| 1990 | 14 | 6 | 4 | 4 | 3 | 0 | 1 | 0 | 32 |
| 1991 | 6 | 6 | 12 | 3 | 1 | 1 | 0 | 1 | 30 |
| 1992 | 11 | 4 | 4 | 3 | 2 | 3 | 0 | 1 | 28 |
| 1993 | 14 | 5 | 7 | 2 | 5 | 1 | 1 | 1 | 36 |
| 1994 | 8 | 7 | 7 | 0 | 3 | 1 | 1 | 1 | 28 |
| 1995 | 9 | 3 | 6 | 1 | 2 | 1 | 0 | 0 | 22 |
| 1996 | 15 | 4 | 6 | 0 | 3 | 1 | 0 | 2 | 31 |
| 1997 | 13 | 1 | 2 | 0 | 5 | 1 | 1 | 1 | 24 |
| 1998 | 12 | 2 | 7 | 0 | 0 | 1 | 1 | 0 | 23 |
| 1999 | 10 | 2 | 12 | 2 | 1 | 1 | 0 | 1 | 29 |
| 2000 | 13 | 3 | 5 | 1 | 0 | 1 | 0 | 0 | 23 |
| 2001 | 11 | 7 | 4 | 2 | 0 | 2 | 0 | 2 | 28 |
| 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 | 2 | 0 | 0 | 0 | 29 |
| 2006 | 7 | 3 | 5 | 1 | 1 | 1 | 1 | 0 | 19 |
| 2007 | 11 | 4 | 7 | 1 | 2 | 0 | 0 | 0 | 25 |
| 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 |
| 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 |

Source Australian Road Deaths Database

Table 4.6 Fatal crashes involving heavy vehicles by crash type 1989–2016

| | Single vehicle | Multiple vehicle | Pedestrian involved | Total |
|--------------------|----------------|------------------|---------------------|-------|
| Articulated trucks | | | | |
| 1989 | 41 | 179 | 30 | 250 |
| 1990 | 41 | 149 | 15 | 205 |
| 1991 | 27 | 117 | 12 | 156 |
| 1992 | 30 | 109 | 15 | 154 |
| 1993 | 29 | 128 | 14 | 171 |
| 1994 | 24 | 112 | 15 | 151 |
| 1995 | 33 | 117 | 15 | 165 |
| 1996 | 24 | 124 | 13 | 161 |
| 1997 | 31 | 104 | 11 | 146 |
| 1998 | 32 | 103 | 16 | 151 |
| 1999 | 18 | 128 | 17 | 163 |
| 2000 | 25 | 122 | 18 | 165 |
| 2001 | 17 | 111 | 18 | 146 |
| 2002 | 30 | 125 | 16 | 171 |
| 2003 | 20 | 109 | 13 | 142 |
| 2004 | 27 | 97 | 14 | 138 |
| 2005 | 26 | 95 | 11 | 132 |
| 2006 | 21 | 103 | 19 | 143 |
| 2007 | 31 | 96 | 19 | 146 |
| 2008 | 23 | 89 | 17 | 129 |
| 2009 | 29 | 74 | 18 | 121 |
| 2010 | 15 | 94 | 14 | 123 |
| 2011 | 18 | 87 | 19 | 124 |
| 2012 | 18 | 90 | 16 | 124 |
| 2013 | 8 | 73 | 9 | 90 |
| 2014 | 16 | 75 | 10 | 101 |
| 2015 | 18 | 75 | 8 | 101 |
| 2016 | 10 | 79 | 5 | 94 |
| Heavy rigid trucks | | | | |
| 2004 | 10 | 15 | 67 | 92 |
| 2005 | 7 | 11 | 60 | 78 |
| 2006 | 7 | 12 | 53 | 72 |
| 2007 | 6 | 62 | 12 | 80 |
| 2008 | 11 | 59 | 15 | 85 |
| 2009 | 7 | 56 | 10 | 73 |
| 2010 | 7 | 54 | 7 | 68 |
| 2011 | 6 | 40 | 14 | 60 |
| 2012 | 5 | 68 | 12 | 85 |
| 2013 | 4 | 44 | 16 | 64 |
| 2014 | 7 | 59 | 10 | 76 |
| 2015 | 6 | 59 | 9 | 74 |
| 2016 | 10 | 63 | 7 | 80 |

Note

Data for the Heavy rigid truck involved is only available from 2004.

Table 4.6 Fatal crashes involving heavy vehicles by crash type 1989–2016 (continued)

| | Single vehicle | Multiple vehicle | Pedestrian involved | Total |
|-------|----------------|------------------|---------------------|-------|
| Buses | | | | |
| 1989 | 2 | 29 | 14 | 45 |
| 1990 | 4 | 20 | 8 | 32 |
| 1991 | 1 | 18 | 11 | 30 |
| 1992 | 3 | 16 | 9 | 28 |
| 1993 | 1 | 25 | 10 | 36 |
| 1994 | 3 | 15 | 10 | 28 |
| 1995 | 1 | 13 | 8 | 22 |
| 1996 | 2 | 15 | 14 | 31 |
| 1997 | 5 | 13 | 6 | 24 |
| 1998 | 3 | 13 | 7 | 23 |
| 1999 | 1 | 19 | 9 | 29 |
| 2000 | 1 | 10 | 12 | 23 |
| 2001 | 1 | 16 | 11 | 28 |
| 2002 | 4 | 11 | 13 | 28 |
| 2003 | 4 | 15 | 7 | 26 |
| 2004 | 1 | 22 | 7 | 30 |
| 2005 | 5 | 15 | 9 | 29 |
| 2006 | 2 | 8 | 9 | 19 |
| 2007 | 1 | 17 | 7 | 25 |
| 2008 | 5 | 11 | 4 | 20 |
| 2009 | 5 | 14 | 6 | 25 |
| 2010 | 3 | 14 | 3 | 20 |
| 2011 | 3 | 8 | 13 | 24 |
| 2012 | 2 | 10 | 5 | 17 |
| 2013 | 0 | 10 | 1 | 11 |
| 2014 | 3 | 7 | 6 | 16 |
| 2015 | 1 | 16 | 2 | 19 |
| 2016 | 2 | 12 | 9 | 23 |

Source

Australian Road Deaths Database

| RITRE • Road tr | rauma involving h | neavy vehicles 2016 | statistical summary |
|-----------------|-------------------|---------------------|---------------------|

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SECTION 5 Exposure series

This section presents longer time series of exposure data.

- On average, articulated trucks travel 87,000 km per year, largely unchanged over the last 20 years. The number of annually registered articulated trucks over this period however has increased by 62 per cent. (Tables 5.1, p. 56 and Table 5.2, p. 59).
- Heavy rigid trucks travel on average 31,000 km per year. This is also largely unchanged over 20 years. The number of registered heavy rigid trucks over this period however has increased by 24 per cent. (Tables 5.1, p. 57 and Table 5.2, p. 60).

Table 5.1 Motor vehicles on register, heavy vehicles, by state/territory

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|-------------------|--------|--------|--------|-------|--------|-------|-------|-----|-----------|
| Articulated truck | s | | | | | | | | |
| 1991 | 14,900 | 14,600 | 8,900 | 3,800 | 5,800 | 1,600 | 1,200 | 300 | 51,100 |
| 1992 | 15,300 | 14,300 | 10,400 | 3,700 | 5,600 | - | 1,100 | 300 | 50,700 |
| 1993 | 14,100 | 14,600 | 10,700 | 4,700 | 5,800 | 1,600 | 900 | 300 | 51,000 |
| 1994 | 14,500 | 15,300 | 11,300 | 4,700 | 6,100 | - | 900 | 400 | 53,200 |
| 1995 | 15,028 | 16,516 | 11,710 | 5,309 | 6,748 | 1,646 | 1,069 | 296 | 58,322 |
| 1996 | 15,100 | 16,800 | 11,500 | 5,100 | 6,900 | 1,600 | 994 | 300 | 58,352 |
| 1997 | 15,800 | 17,100 | 11,800 | 5,100 | 7,000 | 1,500 | 800 | 300 | 59,300 |
| 1998 | 16,800 | 17,300 | 12,400 | 5,900 | 7,300 | 1,500 | 800 | 300 | 62,300 |
| 1999 | 16,300 | 18,100 | 12,800 | 5,900 | 7,600 | 1,500 | 800 | 200 | 63,300 |
| 2000 | - | - | - | - | - | - | - | - | - |
| 2001 | 15,253 | 18,262 | 12,921 | 6,077 | 7,672 | 1,489 | 665 | 258 | 62,597 |
| 2002 | 15,294 | 18,553 | 13,285 | 6,394 | 7,981 | 1,483 | 653 | 262 | 63,905 |
| 2003 | 14,766 | 19,254 | 13,823 | 6,436 | 7,653 | 1,382 | 697 | 250 | 64,261 |
| 2004 | 15,300 | 20,200 | 14,100 | 6,200 | 8,000 | 1,500 | 700 | 200 | 66,300 |
| 2005 | 15,951 | 21,183 | 15,093 | 6,344 | 8,602 | 1,571 | 741 | 238 | 69,723 |
| 2006 | 16,234 | 21,508 | 15,802 | 6,389 | 9,260 | 1,498 | 754 | 235 | 71,680 |
| 2007 | 16,342 | 22,389 | 16,734 | 6,446 | 9,985 | 1,491 | 832 | 233 | 74,452 |
| 2008 | 16,735 | 23,690 | 17,940 | 6,914 | 11,111 | 1,591 | 927 | 224 | 79,132 |
| 2009 | 16,893 | 24,069 | 18,420 | 7,047 | 11,944 | 1,679 | 949 | 216 | 81,217 |
| 2010 | 16,907 | 24,476 | 18,648 | 7,310 | 12,229 | 1,637 | 1,033 | 196 | 82,436 |
| 2011 | 18,578 | 25,134 | 18,899 | 7,835 | 12,590 | 1,677 | 1,069 | 183 | 85,965 |
| 2012 | 19,009 | 25,265 | 19,595 | 8,016 | 13,217 | 1,625 | 1,099 | 169 | 87,995 |
| 2013 | 19,505 | 25,560 | 20,720 | 7,988 | 14,226 | 1,563 | 1,181 | 161 | 90,904 |
| 2014 | 19,906 | 26,107 | 21,496 | 8,326 | 15,054 | 1,584 | 1,233 | 147 | 93,853 |
| 2015 | 20,622 | 26,160 | 21,060 | 8,429 | 15,680 | 1,652 | 1,229 | 143 | 94,975 |
| 2016 | 21,450 | 26,779 | 20,784 | 8,423 | 15,609 | 1,721 | 1,259 | 160 | 96,185 |

Table 5.1 Motor vehicles on register, heavy vehicles, by state/territory (continued)

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|-------------------|---------|--------|--------|--------|--------|--------|-------|-------|-----------|
| Heavy rigid truck | ks | | | | | | | | |
| 1991 | 106,900 | 87,000 | 56,600 | 28,300 | 41,600 | 11,200 | 2,200 | 1,100 | 334,900 |
| 1992 | 104,900 | 73,000 | 54,400 | 34,200 | 87,900 | 20,600 | 2,000 | 2,100 | 379,100 |
| 1993 | 107,700 | 74,200 | 55,200 | 34,400 | 91,100 | 21,300 | 2,300 | 2,300 | 388,500 |
| 1994 | 108,400 | 86,100 | 56,500 | 34,500 | 95,300 | 22,100 | 2,400 | 2,500 | 407,800 |
| 1995 | 103,109 | 84,652 | 63,593 | 26,451 | 43,044 | 11,056 | 2,834 | 2,682 | 337,421 |
| 1996 | 76,371 | 69,452 | 50,707 | 22,026 | 36,811 | 8,384 | 2,649 | 1,798 | 268,198 |
| 1997 | 77,664 | 69,478 | 51,158 | 22,246 | 36,978 | 8,189 | 2,772 | 1,796 | 270,281 |
| 1998 | 80,993 | 68,817 | 52,354 | 22,966 | 38,163 | 7,688 | 2,846 | 1,739 | 275,566 |
| 1999 | 78,801 | 68,889 | 54,229 | 21,833 | 37,647 | 7,600 | 2,875 | 1,680 | 273,554 |
| 2000 | - | - | - | - | - | - | - | - | - |
| 2001 | 75,996 | 68,113 | 52,305 | 21,459 | 37,506 | 7,331 | 2,811 | 1,742 | 267,263 |
| 2002 | 75,082 | 69,123 | 52,612 | 21,443 | 37,213 | 7,153 | 2,836 | 1,760 | 267,222 |
| 2003 | 75,823 | 69,714 | 53,708 | 21,467 | 37,728 | 7,131 | 2,885 | 1,738 | 270,194 |
| 2004 | 77,700 | 69,300 | 55,600 | 21,600 | 38,300 | 7,300 | 2,900 | 1,700 | 274,400 |
| 2005 | 78,981 | 70,079 | 57,724 | 21,559 | 39,312 | 7,436 | 2,974 | 1,687 | 279,752 |
| 2006 | 80,413 | 71,879 | 60,410 | 21,916 | 40,870 | 7,774 | 3,108 | 1,724 | 288,094 |
| 2007 | 80,539 | 73,339 | 63,709 | 21,938 | 42,538 | 7,917 | 3,218 | 1,724 | 294,922 |
| 2008 | 81,811 | 74,760 | 67,748 | 22,335 | 45,248 | 8,088 | 3,478 | 1,716 | 305,184 |
| 2009 | 82,056 | 75,588 | 69,804 | 22,595 | 47,340 | 8,171 | 3,687 | 1,698 | 310,939 |
| 2010 | 83,267 | 76,604 | 70,000 | 23,241 | 48,352 | 8,385 | 3,888 | 1,698 | 315,435 |
| 2011 | 84,401 | 77,339 | 69,262 | 23,692 | 49,089 | 8,597 | 4,116 | 1,727 | 318,223 |
| 2012 | 85,087 | 78,324 | 70,124 | 23,566 | 50,483 | 8,578 | 4,207 | 1,746 | 322,115 |
| 2013 | 85,807 | 78,490 | 71,366 | 23,326 | 52,218 | 8,720 | 4,359 | 1,712 | 325,998 |
| 2014 | 86,973 | 78,376 | 72,362 | 23,134 | 53,739 | 8,698 | 4,478 | 1,704 | 329,464 |
| 2015 | 88,977 | 78,446 | 71,911 | 22,982 | 54,366 | 8,773 | 4,600 | 1,644 | 331,699 |
| 2016 | 91,242 | 79,506 | 71,776 | 22,886 | 54,219 | 8,838 | 4,724 | 1,621 | 334,812 |

Note

During 1995 and 1996, the State/Territory jurisdictions introduced the National Heavy Vehicle Registrations Scheme. Using data from this scheme resulted in improved accuracy for counts of registrations of articulated and rigid trucks but its introduction caused some fluctuations in the data for the period 1991 through 1996.

Source Australian Bureau of Statistics 2015

Table 5.1 Motor vehicles on register, heavy vehicles, by state/territory (continued)

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|-------|--------|--------|--------|-------|--------|-------|-------|-------|-----------|
| Buses | | | | | | | | | |
| 1991 | 10,600 | 14,400 | 8,900 | 3,000 | 8,100 | 2,000 | 1,000 | 1,400 | 49,400 |
| 1992 | 9,300 | 15,600 | 11,100 | 3,200 | 9,500 | 2,000 | 700 | 1,300 | 52,700 |
| 1993 | 10,100 | 15,900 | 11,500 | 3,400 | 9,900 | 2,100 | 700 | 1,300 | 54,900 |
| 1994 | 11,000 | 16,600 | 12,100 | 3,400 | 9,900 | 2,100 | 800 | 1,500 | 57,400 |
| 1995 | 13,473 | 13,770 | 9,328 | 3,525 | 7,125 | 2,145 | 1,883 | 921 | 52,170 |
| 1996 | 15,200 | 13,900 | 12,400 | 3,600 | 8,200 | 2,200 | 2,261 | 1,000 | 58,800 |
| 1997 | 15,900 | 14,300 | 12,900 | 3,700 | 8,800 | 2,200 | 2,500 | 1,000 | 61,100 |
| 1998 | 16,500 | 14,500 | 13,500 | 3,900 | 9,500 | 2,200 | 2,900 | 1,100 | 64,100 |
| 1999 | 16,600 | 15,000 | 14,100 | 4,000 | 9,900 | 2,200 | 3,000 | 1,000 | 65,900 |
| 2000 | - | - | - | - | - | - | - | - | - |
| 2001 | 17,238 | 15,484 | 14,677 | 4,186 | 10,096 | 2,240 | 2,643 | 1,008 | 67,572 |
| 2002 | 18,702 | 15,950 | 15,114 | 4,284 | 10,326 | 2,259 | 2,590 | 971 | 70,196 |
| 2003 | 18,805 | 15,887 | 15,457 | 4,285 | 10,044 | 2,194 | 2,493 | 957 | 70,122 |
| 2004 | 20,100 | 15,700 | 15,100 | 4,200 | 10,300 | 2,000 | 3,000 | 900 | 71,300 |
| 2005 | 20,279 | 15,837 | 15,682 | 4,233 | 10,572 | 2,138 | 2,956 | 923 | 72,620 |
| 2006 | 20,733 | 16,508 | 16,516 | 4,413 | 11,051 | 2,219 | 2,989 | 946 | 75,375 |
| 2007 | 20,772 | 16,887 | 17,336 | 4,544 | 11,673 | 2,308 | 3,094 | 948 | 77,562 |
| 2008 | 21,657 | 17,398 | 18,148 | 4,693 | 12,098 | 2,404 | 3,217 | 966 | 80,581 |
| 2009 | 22,401 | 18,061 | 19,127 | 4,916 | 13,007 | 2,422 | 3,439 | 1,040 | 84,413 |
| 2010 | 22,865 | 18,407 | 19,403 | 5,118 | 13,418 | 2,548 | 3,577 | 1,031 | 86,367 |
| 2011 | 23,390 | 18,817 | 19,542 | 5,271 | 13,597 | 2,594 | 3,592 | 1,080 | 87,883 |
| 2012 | 23,762 | 19,354 | 20,220 | 5,462 | 14,371 | 2,701 | 3,660 | 1,069 | 90,599 |
| 2013 | 24,210 | 19,509 | 21,026 | 5,529 | 15,133 | 2,744 | 3,810 | 1,073 | 93,034 |
| 2014 | 24,617 | 19,623 | 21,337 | 5,622 | 15,322 | 2,667 | 3,882 | 1,061 | 94,131 |
| 2015 | 25,249 | 19,832 | 21,432 | 5,554 | 15,463 | 2,690 | 3,888 | 1,041 | 95,149 |
| 2016 | 25,939 | 20,302 | 21,455 | 5,691 | 15,362 | 2,818 | 3,964 | 1,051 | 96,582 |

Source

Australian Bureau of Statistics 2015

Estimated vehicle kilometres travelled (VKT) - billion Table 5.2 kilometres (financial year)

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|--------------------|------|------|------|------|------|------|------|------|-----------|
| Articulated trucks | | | | | | | | | |
| 1989 | 1.38 | 0.97 | 0.71 | 0.39 | 0.38 | 0.12 | 0.09 | 0.02 | 4.05 |
| 1990 | 1.38 | 1.01 | 0.73 | 0.40 | 0.39 | 0.12 | 0.09 | 0.02 | 4.13 |
| 1991 | 1.33 | 1.02 | 0.72 | 0.39 | 0.39 | 0.12 | 0.08 | 0.01 | 4.07 |
| 1992 | 1.32 | 1.04 | 0.74 | 0.40 | 0.39 | 0.12 | 0.08 | 0.01 | 4.10 |
| 1993 | 1.41 | 1.11 | 0.81 | 0.42 | 0.42 | 0.12 | 0.08 | 0.01 | 4.39 |
| 1994 | 1.46 | 1.13 | 0.84 | 0.43 | 0.44 | 0.13 | 80.0 | 0.01 | 4.53 |
| 1995 | 1.58 | 1.19 | 0.90 | 0.45 | 0.46 | 0.13 | 0.09 | 0.02 | 4.82 |
| 1996 | 1.67 | 1.22 | 0.94 | 0.46 | 0.48 | 0.13 | 80.0 | 0.02 | 5.02 |
| 1997 | 1.76 | 1.26 | 0.99 | 0.48 | 0.51 | 0.13 | 80.0 | 0.02 | 5.21 |
| 1998 | 1.84 | 1.29 | 1.03 | 0.49 | 0.53 | 0.13 | 80.0 | 0.02 | 5.40 |
| 1999 | 1.91 | 1.30 | 1.06 | 0.51 | 0.55 | 0.13 | 80.0 | 0.02 | 5.55 |
| 2000 | 1.98 | 1.33 | 1.09 | 0.52 | 0.56 | 0.13 | 80.0 | 0.02 | 5.70 |
| 2001 | 1.97 | 1.31 | 1.08 | 0.50 | 0.55 | 0.13 | 80.0 | 0.01 | 5.62 |
| 2002 | 2.01 | 1.35 | 1.13 | 0.52 | 0.57 | 0.13 | 80.0 | 0.01 | 5.81 |
| 2003 | 2.04 | 1.40 | 1.19 | 0.53 | 0.59 | 0.13 | 80.0 | 0.02 | 5.97 |
| 2004 | 2.09 | 1.45 | 1.24 | 0.55 | 0.61 | 0.14 | 80.0 | 0.02 | 6.16 |
| 2005 | 2.13 | 1.48 | 1.28 | 0.56 | 0.63 | 0.14 | 0.07 | 0.01 | 6.32 |
| 2006 | 2.16 | 1.51 | 1.35 | 0.57 | 0.65 | 0.14 | 0.07 | 0.02 | 6.46 |
| 2007 | 2.23 | 1.57 | 1.42 | 0.58 | 0.68 | 0.15 | 0.07 | 0.02 | 6.72 |
| 2008 | 2.28 | 1.61 | 1.47 | 0.60 | 0.72 | 0.15 | 0.07 | 0.02 | 6.91 |
| 2009 | 2.26 | 1.59 | 1.45 | 0.59 | 0.72 | 0.15 | 0.07 | 0.02 | 6.83 |
| 2010 | 2.28 | 1.61 | 1.47 | 0.60 | 0.74 | 0.15 | 0.07 | 0.02 | 6.95 |
| 2011 | 2.35 | 1.66 | 1.53 | 0.62 | 0.80 | 0.15 | 0.07 | 0.02 | 7.20 |
| 2012 | 2.39 | 1.71 | 1.61 | 0.65 | 0.85 | 0.15 | 0.07 | 0.02 | 7.45 |
| 2013 | 2.43 | 1.73 | 1.69 | 0.66 | 0.90 | 0.15 | 80.0 | 0.02 | 7.65 |
| 2014 ^a | 2.48 | 1.77 | 1.74 | 0.66 | 0.94 | 0.15 | 80.0 | 0.02 | 7.84 |
| 2015 ^a | 2.53 | 1.82 | 1.81 | 0.68 | 0.98 | 0.15 | 80.0 | 0.02 | 8.07 |
| 2016 ^a | 2.59 | 1.89 | 1.88 | 0.69 | 1.03 | 0.15 | 80.0 | 0.02 | 8.32 |

Preliminary Bureau of Infrastructure, Transport and Regional Economics Unpublished a Source

Table 5.2 Estimated vehicle kilometres travelled (VKT) – billion kilometres (financial year) (continued)

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|--------------------|------|------|------|------|------|------|------|------|-----------|
| Heavy rigid trucks | | | | | | | | | |
| 1989 | 2.33 | 1.70 | 1.11 | 0.51 | 0.75 | 0.20 | 0.06 | 0.07 | 6.73 |
| 1990 | 2.30 | 1.73 | 1.18 | 0.53 | 0.76 | 0.20 | 0.07 | 0.07 | 6.84 |
| 1991 | 2.00 | 1.55 | 1.12 | 0.47 | 0.68 | 0.17 | 0.06 | 0.07 | 6.12 |
| 1992 | 1.90 | 1.47 | 1.14 | 0.45 | 0.65 | 0.16 | 0.06 | 0.07 | 5.91 |
| 1993 | 1.86 | 1.44 | 1.16 | 0.44 | 0.64 | 0.15 | 0.06 | 0.07 | 5.82 |
| 1994 | 1.94 | 1.48 | 1.22 | 0.44 | 0.66 | 0.15 | 0.06 | 0.07 | 6.02 |
| 1995 | 2.05 | 1.52 | 1.31 | 0.44 | 0.69 | 0.16 | 0.06 | 0.07 | 6.32 |
| 1996 | 2.19 | 1.55 | 1.42 | 0.45 | 0.74 | 0.16 | 0.07 | 0.07 | 6.65 |
| 1997 | 2.36 | 1.65 | 1.53 | 0.48 | 0.81 | 0.17 | 0.07 | 0.07 | 7.15 |
| 1998 | 2.39 | 1.66 | 1.56 | 0.48 | 0.84 | 0.16 | 0.07 | 0.07 | 7.24 |
| 1999 | 2.39 | 1.63 | 1.55 | 0.47 | 0.84 | 0.16 | 0.07 | 0.06 | 7.17 |
| 2000 | 2.44 | 1.65 | 1.59 | 0.47 | 0.85 | 0.16 | 0.07 | 0.06 | 7.29 |
| 2001 | 2.42 | 1.62 | 1.56 | 0.46 | 0.83 | 0.15 | 0.07 | 0.06 | 7.17 |
| 2002 | 2.52 | 1.68 | 1.62 | 0.47 | 0.86 | 0.16 | 0.07 | 0.06 | 7.44 |
| 2003 | 2.63 | 1.73 | 1.67 | 0.49 | 0.88 | 0.17 | 0.08 | 0.06 | 7.70 |
| 2004 | 2.60 | 1.77 | 1.76 | 0.49 | 0.90 | 0.18 | 0.08 | 0.06 | 7.85 |
| 2005 | 2.64 | 1.84 | 1.84 | 0.51 | 0.94 | 0.19 | 0.08 | 0.06 | 8.10 |
| 2006 | 2.71 | 1.91 | 1.92 | 0.52 | 0.98 | 0.20 | 0.08 | 0.07 | 8.39 |
| 2007 | 2.75 | 1.96 | 1.99 | 0.53 | 1.02 | 0.21 | 0.08 | 0.07 | 8.62 |
| 2008 | 2.83 | 2.02 | 2.05 | 0.54 | 1.05 | 0.22 | 0.09 | 0.07 | 8.86 |
| 2009 | 2.77 | 1.98 | 2.03 | 0.54 | 1.05 | 0.22 | 0.09 | 0.07 | 8.75 |
| 2010 | 2.83 | 2.06 | 2.07 | 0.55 | 1.10 | 0.22 | 0.09 | 0.07 | 8.99 |
| 2011 | 2.88 | 2.11 | 2.14 | 0.57 | 1.13 | 0.22 | 0.09 | 0.08 | 9.21 |
| 2012 | 2.92 | 2.18 | 2.23 | 0.58 | 1.14 | 0.22 | 0.09 | 0.08 | 9.45 |
| 2013 | 2.96 | 2.23 | 2.30 | 0.58 | 1.19 | 0.22 | 0.09 | 0.08 | 9.65 |
| 2014 ^a | 3.01 | 2.27 | 2.35 | 0.59 | 1.23 | 0.22 | 0.09 | 0.08 | 9.84 |
| 2015 ^a | 3.06 | 2.31 | 2.42 | 0.59 | 1.28 | 0.22 | 0.09 | 0.08 | 10.06 |
| 2016 ^a | 3.13 | 2.37 | 2.49 | 0.60 | 1.33 | 0.22 | 0.10 | 0.08 | 10.32 |

Estimated vehicle kilometres travelled (VKT) - billion **Table 5.2** kilometres (financial year) (continued)

| | NSW | Vic | Qld | SA | WA | Tas | NT | ACT A | ustralia |
|-------------------|------|------|------|------|------|------|------|-------|----------|
| Buses | | | | | | | | | |
| 1989 | 0.42 | 0.27 | 0.28 | 0.11 | 0.20 | 0.04 | 0.05 | 0.02 | 1.39 |
| 1990 | 0.45 | 0.28 | 0.30 | 0.11 | 0.21 | 0.04 | 0.06 | 0.02 | 1.47 |
| 1991 | 0.46 | 0.31 | 0.31 | 0.12 | 0.23 | 0.04 | 0.06 | 0.02 | 1.56 |
| 1992 | 0.45 | 0.29 | 0.31 | 0.12 | 0.22 | 0.04 | 0.06 | 0.02 | 1.52 |
| 1993 | 0.44 | 0.28 | 0.31 | 0.12 | 0.22 | 0.04 | 0.06 | 0.02 | 1.48 |
| 1994 | 0.44 | 0.28 | 0.31 | 0.12 | 0.22 | 0.04 | 0.06 | 0.02 | 1.49 |
| 1995 | 0.45 | 0.29 | 0.33 | 0.12 | 0.23 | 0.04 | 0.06 | 0.02 | 1.55 |
| 1996 | 0.46 | 0.30 | 0.34 | 0.12 | 0.24 | 0.04 | 0.06 | 0.02 | 1.59 |
| 1997 | 0.47 | 0.30 | 0.36 | 0.13 | 0.25 | 0.05 | 0.07 | 0.02 | 1.64 |
| 1998 | 0.48 | 0.30 | 0.36 | 0.13 | 0.24 | 0.04 | 0.07 | 0.02 | 1.65 |
| 1999 | 0.49 | 0.31 | 0.37 | 0.13 | 0.26 | 0.04 | 0.07 | 0.03 | 1.69 |
| 2000 | 0.49 | 0.32 | 0.37 | 0.13 | 0.26 | 0.05 | 0.07 | 0.02 | 1.71 |
| 2001 | 0.50 | 0.32 | 0.39 | 0.13 | 0.27 | 0.05 | 0.07 | 0.02 | 1.76 |
| 2002 | 0.51 | 0.33 | 0.40 | 0.13 | 0.28 | 0.05 | 0.07 | 0.03 | 1.80 |
| 2003 | 0.51 | 0.33 | 0.41 | 0.14 | 0.28 | 0.05 | 0.08 | 0.03 | 1.82 |
| 2004 | 0.52 | 0.34 | 0.43 | 0.14 | 0.29 | 0.05 | 0.08 | 0.03 | 1.86 |
| 2005 | 0.52 | 0.34 | 0.44 | 0.14 | 0.30 | 0.05 | 0.08 | 0.03 | 1.89 |
| 2006 | 0.52 | 0.34 | 0.45 | 0.14 | 0.30 | 0.05 | 0.08 | 0.03 | 1.91 |
| 2007 | 0.53 | 0.34 | 0.47 | 0.14 | 0.31 | 0.05 | 0.08 | 0.03 | 1.96 |
| 2008 | 0.54 | 0.36 | 0.49 | 0.15 | 0.31 | 0.05 | 0.08 | 0.03 | 2.00 |
| 2009 | 0.55 | 0.38 | 0.50 | 0.15 | 0.32 | 0.05 | 0.08 | 0.03 | 2.06 |
| 2010 | 0.57 | 0.41 | 0.52 | 0.15 | 0.32 | 0.05 | 0.08 | 0.03 | 2.13 |
| 2011 | 0.58 | 0.43 | 0.54 | 0.16 | 0.33 | 0.05 | 0.09 | 0.03 | 2.20 |
| 2012 | 0.60 | 0.45 | 0.56 | 0.16 | 0.34 | 0.05 | 0.09 | 0.03 | 2.27 |
| 2013 | 0.62 | 0.48 | 0.58 | 0.16 | 0.35 | 0.05 | 0.09 | 0.03 | 2.36 |
| 2014 ^a | 0.62 | 0.47 | 0.61 | 0.16 | 0.37 | 0.05 | 0.09 | 0.04 | 2.40 |
| 2015 ^a | 0.63 | 0.47 | 0.62 | 0.16 | 0.38 | 0.05 | 0.09 | 0.04 | 2.44 |
| 2016 ^a | 0.64 | 0.48 | 0.62 | 0.16 | 0.38 | 0.05 | 0.10 | 0.04 | 2.46 |

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Glossary

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.

Road deaths from recent months are preliminary and subject to revision.

Articulated truck 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.

Blood alcohol concentration (BAC) refers to the amount of alcohol present in

the bloodstream.

Bus A motor vehicle constructed for the carriage of passengers which has at least

10 seats, including the driver's seat.

Counterpart The other vehicle or object that collides with the mode of transport of an

injured person.

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.

Fatal crash A crash for which there is at least one death.

Fatal crash involving

heavy vehicles

Fatal road traffic crashes in which one or more heavy vehicles were involved (articulated truck, heavy rigid truck or bus).

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.

Heavy truck A heavy rigid truck or an articulated truck

High threat to life

injury

'High threat to life' hospitalised injury cases are a subset of all hospitalised injury cases, referred to also as 'life-threatening' injuries. They are selected on the basis of having an ICD Injury severity Score (ICISS) of less than 0.941. See

Henley G & Harrison JE 2015 for definition and discussion.

Hospitalised injury A person admitted to hospital from a crash occurring in 'traffic', which is defined

here as excluding off-road and unknown locations.

Road death or fatality

A person who dies within 30 days of a crash as a result of injuries received in that crash.

Trend estimation

In this report, the figures for the 'average trend change p.a.(%)' are calculated by fitting an exponential trend line to the set of data points. The Excel function LOGEST performs the fit. The resulting trend line represents a constant annual percent change over the period. Notes: (i) The occurrence of a zero in the original series precludes trend estimation by this method; (ii) When fitted to a series containing small numbers, the result may not be a reliable indicator of a stable trend.

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