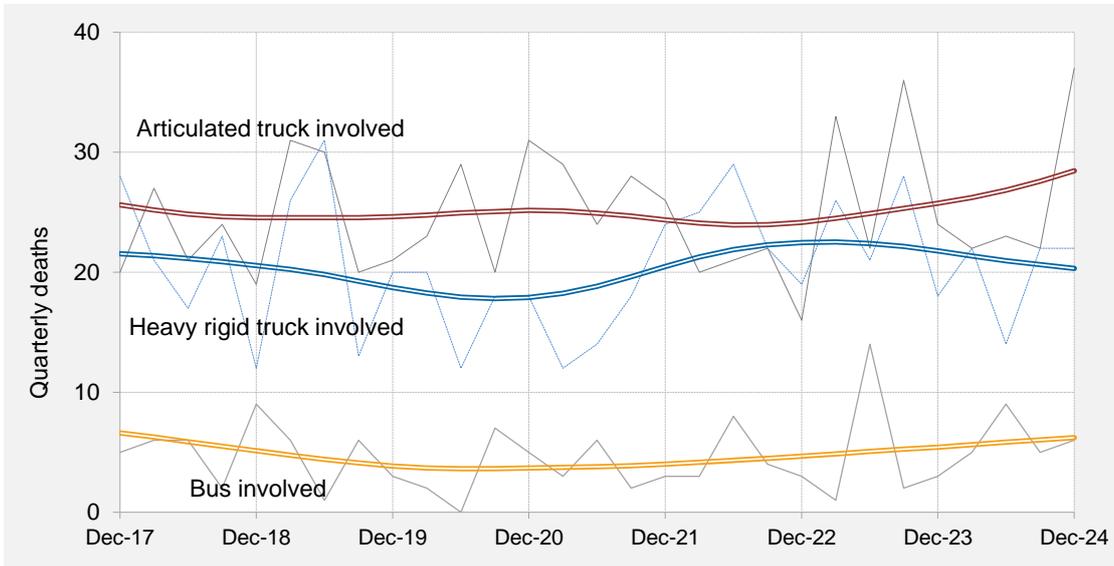




Road deaths in crashes involving heavy vehicles - quarterly bulletin, Oct-Dec 2024

Quarterly counts of deaths in crashes involving heavy vehicles, Australia, with trends



Key features

- During the 12 months to the end of December 2024, 174 people died in crashes involving heavy trucks^a. There were 104 deaths in crashes involving articulated trucks and 80 deaths in crashes involving heavy rigid trucks.
- Fatalities in crashes involving heavy trucks:
 - decreased by 13.4% when compared with the corresponding 12-month period one year earlier;
 - increased by an average of 1.8% per year over the three years to December 2024.
- Fatalities in crashes involving articulated trucks:
 - decreased by 9.6% when compared with the corresponding period one year earlier;
 - increased by 14.7% per year over the three years to December 2024.
- Fatalities in crashes involving heavy rigid trucks:
 - decreased by 14.0% when compared with the corresponding period one year earlier;
 - decreased by an average of 8.2% per year over the three years to December 2024.
- During the 12 months to December 2024, 25 people died in crashes involving buses. Fatalities in crashes involving buses:
 - increased by 25.0% when compared with the corresponding period one year earlier;
 - increased by an average of 17.9% per year over the three years to December 2024.

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

ANNUAL TRENDS

Table 1 Deaths

	<i>Articulated truck involved</i>	<i>Heavy rigid truck involved</i>	<i>Any heavy truck involved^a</i>	<i>Bus involved</i>	<i>All road crash deaths^b</i>
12 Months ended					
<i>December 2015</i>	115	81	190	22	1,206
<i>December 2016</i>	106	84	185	24	1,294
<i>December 2017</i>	106	92	187	32	1,223
<i>December 2018</i>	91	73	157	23	1,135
<i>December 2019</i>	102	90	189	16	1,186
<i>December 2020</i>	103	68	169	14	1,097
<i>December 2021</i>	107	68	171	14	1,130
<i>December 2022</i>	79	95	168	18	1,183
<i>December 2023</i>	115	93	201	20	1,257
<i>December 2024</i>	104	80	174	25	1,301
<i>Change last 12 months (%)</i>	-9.6	-14.0	-13.4	25.0	3.5
<i>Ave. trend change p.a.(%)</i>					
<i>- for last 10 years</i>	-0.8	0.2	-0.4	-2.8	0.1
<i>- for last 3 years</i>	14.7	-8.2	1.8	17.9	4.9

Table 2 Fatal crashes

	<i>Articulated truck involved</i>	<i>Heavy rigid truck involved</i>	<i>Any heavy truck involved^a</i>	<i>Bus involved</i>	<i>All fatal road crashes^c</i>
12 Months ended					
<i>December 2015</i>	102	72	170	19	1,102
<i>December 2016</i>	93	75	164	23	1,200
<i>December 2017</i>	93	87	170	27	1,127
<i>December 2018</i>	79	64	138	21	1,055
<i>December 2019</i>	95	82	174	14	1,097
<i>December 2020</i>	86	63	147	13	998
<i>December 2021</i>	97	64	157	14	1,048
<i>December 2022</i>	70	86	151	18	1,108
<i>December 2023</i>	92	87	174	11	1,148
<i>December 2024</i>	89	76	156	21	1,191
<i>Change last 12 months (%)</i>	-3.3	-12.6	-10.3	90.9	3.7
<i>Ave. trend change p.a.(%)</i>					
<i>- for last 10 years</i>	-1.3	0.7	-0.4	-4.5	0.1
<i>- for last 3 years</i>	12.8	-6.0	1.6	8.0	3.7

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

b All deaths, whether or not crash involved a heavy vehicle.

c All fatal road crashes, whether or not involving a heavy vehicle.

ARTICULATED TRUCK INVOLVEMENT

Table 3 Quarterly counts of deaths in crashes involving articulated trucks

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Quarter ended									
March-22	6	2	9	0	1	0	2	0	20
June-22	5	2	9	1	4	0	0	0	21
September-22	3	9	6	0	2	0	2	0	22
December-22	5	4	5	0	2	0	0	0	16
March-23	11	6	8	3	2	2	1	0	33
June-23	4	10	3	2	2	1	0	0	22
September-23	10	6	13	1	0	0	6	0	36
December-23	6	12	1	4	1	0	0	0	24
March-24	13	3	6	0	0	0	0	0	22
June-24	7	3	7	5	1	0	0	0	23
September-24	6	2	8	1	1	2	2	0	22
December-24	13	6	12	2	2	1	1	0	37

Figure 1 Quarterly counts of deaths in crashes involving articulated trucks, with trend

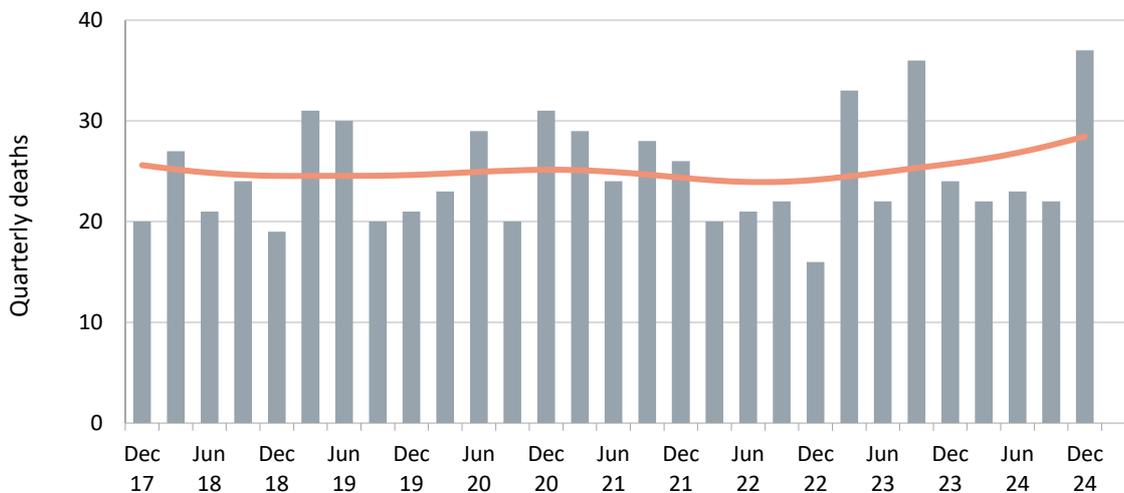


Table 4 Annual counts of deaths in crashes involving articulated trucks

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
12 Months ended									
December 2020	28	23	35	4	10	2	1	0	103
December 2021	27	18	40	10	8	3	1	0	107
December 2022	19	17	29	1	9	0	4	0	79
December 2023	31	34	25	10	5	3	7	0	115
December 2024	39	14	33	8	4	3	3	0	104
Change last 12 months (%)	25.8	-58.8	32.0	-20.0	-20.0	0.0	-57.1	0.0	-9.6
Ave. trend change p.a.(%)	43.3	-9.3	6.7	182.8	-33.3	-	-13.4	-	14.7
- for last 3 years ^a									

a Average annual percentage change based on the exponential trend for the last three 12-month periods.

HEAVY RIGID TRUCK INVOLVEMENT

Table 5 Quarterly counts of deaths in crashes involving heavy rigid trucks

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Quarter ended									
March-22	9	4	7	1	2	2	0	0	25
June-22	7	8	5	1	6	2	0	0	29
September-22	2	5	7	0	6	1	1	0	22
December-22	3	2	5	0	6	3	0	0	19
March-23	4	7	10	0	3	2	0	0	26
June-23	3	5	8	1	3	1	0	0	21
September-23	10	4	7	2	4	0	1	0	28
December-23	8	3	1	1	5	0	0	0	18
March-24	6	4	2	1	9	0	0	0	22
June-24	6	1	3	1	2	1	0	0	14
September-24	0	6	7	1	4	4	0	0	22
December-24	1	6	5	2	6	1	1	0	22

Figure 2 Quarterly counts of deaths in crashes involving heavy rigid trucks, with trend

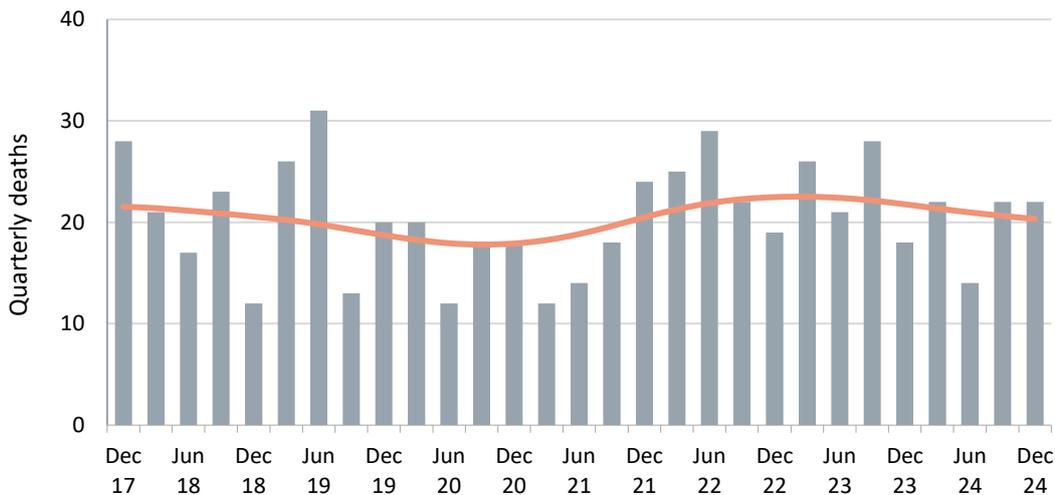


Table 6 Annual counts of deaths in crashes involving heavy rigid trucks

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
12 Months ended									
December 2020	29	12	11	5	10	1	0	0	68
December 2021	26	18	9	3	8	3	1	0	68
December 2022	21	19	24	2	20	8	1	0	95
December 2023	25	19	26	4	15	3	1	0	93
December 2024	13	17	17	5	21	6	1	0	80
Change last 12 months (%)	-48.0	-10.5	-34.6	25.0	40.0	100.0	0.0	0.0	-14.0
Ave. trend change p.a.(%)	-21.3	-5.4	-15.8	-	2.5	-13.4	0.0	-	-8.2
- for last 3 years ^a									

a Average annual percentage change based on the exponential trend for the last three 12-month periods.

BUS INVOLVEMENT

Table 7 Quarterly counts of deaths in crashes involving buses

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Quarter ended									
March-22	2	0	1	0	0	0	0	0	3
June-22	3	1	2	0	1	0	1	0	8
September-22	2	0	1	0	1	0	0	0	4
December-22	2	0	0	0	0	0	1	0	3
March-23	1	0	0	0	0	0	0	0	1
June-23	12	0	1	1	0	0	0	0	14
September-23	1	0	0	1	0	0	0	0	2
December-23	1	0	2	0	0	0	0	0	3
March-24	1	0	1	2	0	0	1	0	5
June-24	2	0	5	0	2	0	0	0	9
September-24	1	0	1	1	1	0	1	0	5
December-24	5	0	1	0	0	0	0	0	6

Figure 3 Quarterly counts of deaths in crashes involving buses, with trend

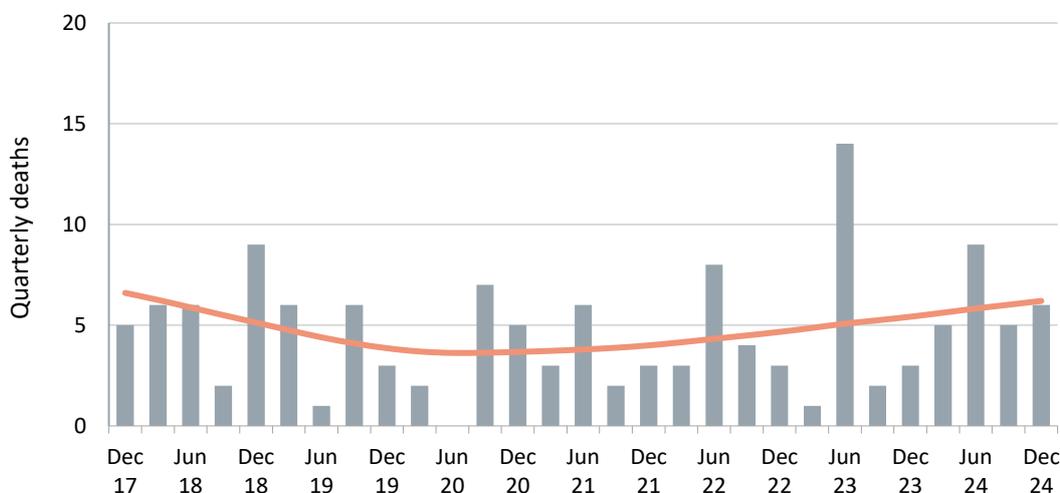


Table 8 Annual counts of deaths in crashes involving buses

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
12 Months ended									
December 2020	4	1	3	2	1	3	0	0	14
December 2021	3	1	3	3	3	0	1	0	14
December 2022	9	1	4	0	2	0	2	0	18
December 2023	15	0	3	2	0	0	0	0	20
December 2024	9	0	8	3	3	0	2	0	25
Change last 12 months (%)	-40.0	0.0	166.7	0.0	-	0.0	-	0.0	25.0
Ave. trend change p.a.(%)	0.0	-	41.4	-	-	-	-	-	17.9
- for last 3 years ^a									

a Average annual percentage change based on the exponential trend for the last three 12-month periods.

APPENDIX

Glossary	<p><u>Note.</u> 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.</p>
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.
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.
Gross Vehicle Mass (GVM)	Tare weight (i.e. unladen weight) of the motor vehicle plus its maximum carrying capacity excluding trailers.
Bus	A motor vehicle constructed for the carriage of passengers which has at least 10 seats, including the driver's seat.
Crash	Any apparently unpremeditated event reported to police, or other relevant authority, and resulting in death, injury or property damage attributable to the movement of a road vehicle on a public road.
Road death or Fatality	A person who dies within 30 days of a crash as a result of injuries received in that crash.
Fatal crash	A crash for which there is at least one death.
Preliminary data	Data for recent months are preliminary and subject to revision.
Estimation of three year trends	In this bulletin, the figures for the 'Average annual per cent change over 3 years' are calculated by fitting an exponential trend line to the last three data points. The Excel function LOGEST performs the fit. The resulting trend line represents a constant annual percent change over the period. (Note: when fitted to a series containing small numbers, this may not be a reliable indicator of a stable trend.)
Smooth trend lines	Whittaker-Henderson smoothers with a value of 80 for the smoothing parameter. The application R (package pracma) is used.
Data sources	<p>The data presented here are obtained from the following sources:</p> <ul style="list-style-type: none">• Transport for New South Wales;• Department of Transport, Victoria;• Queensland Department of Transport and Main Roads;• Department of Planning, Transport and Infrastructure South Australia;• Western Australian Police;• Department of State Growth, Tasmania;• Department of Transport, Northern Territory;• Transport Canberra and City Services Directorate, Australian Capital Territory; <p>An online version of the database used to produce this bulletin is available from: https://catalogue.data.infrastructure.gov.au/</p>
Inquiries	<p>For further information about data in this bulletin, contact:</p> <p>Road Safety Data Hub Bureau of Infrastructure and Transport Research Economics (BITRE) Email: roadsafetystatistics@infrastructure.gov.au BITRE Reference: 2024-1212 Road deaths from recent months are preliminary and subject to revision.</p>

