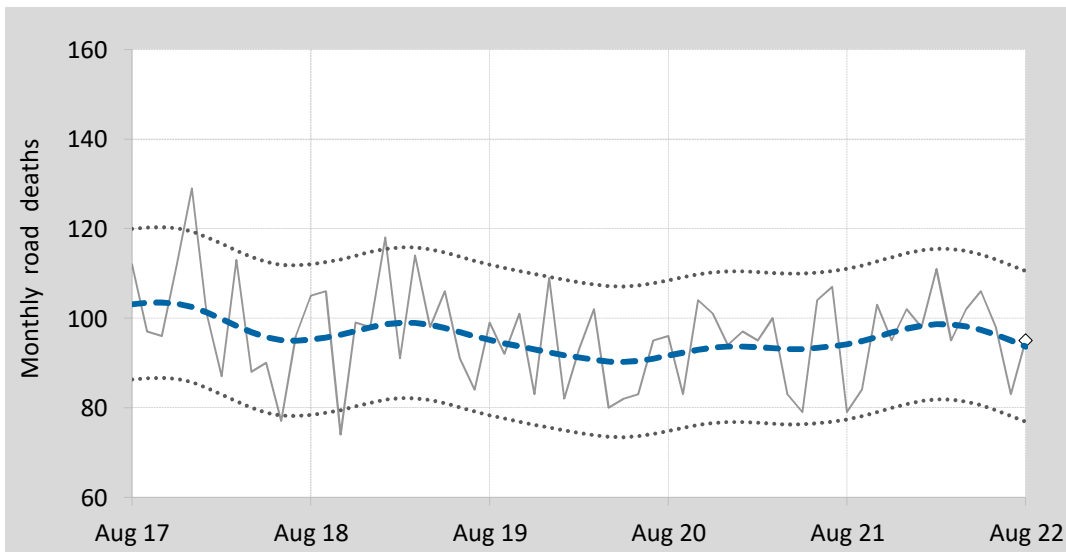




### This month's key figures

- There was a total of 95 road deaths during the month of August 2022. The current figure is 3.3 per cent lower than the average for August over the previous five years.
- During the 12 months ended August 2022, there were 1,172 road deaths. This is an increase of 4.1 per cent from the 12-month period ending August 2021.
- Presently, the rate of annual deaths per 100,000 population stands at 4.5. This is a 3.4 per cent increase compared to the rate for the 12-month period ending August 2021.

### Monthly road deaths—last five years, with trend and error bounds



Note: Shown is a trend and a 90 per cent prediction interval for the monthly observations.

#### Data Sources

Data are obtained from

- Transport for NSW
- Department of Transport, Victoria
- Department of Transport and Main Roads, Queensland
- Department of Planning, Transport and Infrastructure, SA
- Western Australia Police
- Department of State Growth, Tasmania
- Department of Infrastructure, Planning and Logistics, NT
- Transport Canberra and City Services Directorate, ACT
- Australian Bureau of Statistics (3101.0)

#### Inquiries

For further information about data in this bulletin, contact:

Bureau of Infrastructure and Transport Research Economics (BITRE)  
 Web : [www.bitre.gov.au](http://www.bitre.gov.au)  
 Email : [roadsafety@infrastructure.gov.au](mailto:roadsafety@infrastructure.gov.au)

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

© Copyright. Commonwealth of Australia

## I. Deaths by jurisdiction

**Table I.1** Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
August 2021	16	17	22	4	11	5	3	1	79
August 2022	18	19	28	5	15	4	5	1	95
Per cent change	12.5	11.8	27.3	25.0	36.4	-20.0	66.7	0.0	20.3

**Table I.2** Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2021 - August 2021	178	144	189	65	110	25	25	8	744
January 2022 - August 2022	188	163	202	48	100	40	36	11	788
Per cent change	5.6	13.2	6.9	-26.2	-9.1	60.0	44.0	37.5	5.9

**Table I.3** Year ending August

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	374	224	261	80	168	31	45	8	1,191
2019	343	263	214	112	170	33	38	5	1,178
2020	310	227	247	98	141	35	34	6	1,098
2021	270	211	298	97	167	35	36	12	1,126
2022	283	251	290	82	156	50	46	14	1,172
Latest per cent change	4.8	19.0	-2.7	-15.5	-6.6	42.9	27.8	16.7	4.1
Average trend change per year (per cent)	-7.7	0.1	5.6	-0.9	-1.6	10.7	-0.1	22.1	-0.8

## 2. Deaths by road user, age-group and gender

**Table 2.1** By road user

12 months ended August	Driver	Passenger	Pedestrian	Motorcyclist <sup>a</sup>	Cyclist <sup>a</sup>	Total <sup>b</sup>
2018	547	215	184	195	42	1,191
2019	544	220	168	208	34	1,178
2020	528	190	142	188	48	1,098
2021	559	176	130	224	30	1,126
2022	568	178	146	233	35	1,172
Latest per cent change	1.6	1.1	12.3	4.0	16.7	4.1
Average trend change per year (per cent)	1.0	-5.8	-6.9	4.4	-4.8	-0.8

**Table 2.2** By age-group (years)

12 months ended August	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total <sup>b</sup>
2018	44	231	246	399	131	138	1,191
2019	51	230	250	368	102	175	1,178
2020	52	218	282	324	87	131	1,098
2021	61	214	271	353	98	128	1,126
2022	64	225	242	367	127	140	1,172
Latest per cent change	4.9	5.1	-10.7	4.0	29.6	9.4	4.1
Average trend change per year (per cent)	9.7	-1.2	0.5	-2.1	-1.0	-2.8	-0.8

## 2. Deaths by road user, age-group and gender (continued)

**Table 2.3** By gender

12 months ended August	Males	Females	Total <sup>c</sup>
2018	890	300	1,191
2019	889	289	1,178
2020	808	286	1,098
2021	839	287	1,126
2022	891	279	1,172
<i>Latest per cent change</i>	6.2	-2.8	4.1
<i>Average trend change per year (per cent)</i>	-0.6	-1.5	-0.8

a Includes pillion passengers.

b Includes deaths of persons with either age or road user type not recorded.

c Includes deaths of persons where gender is not recorded or unspecified.

## 3. Annual deaths per 100,000 population

**Table 3.1** Year ended August

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	4.7	3.5	5.2	4.6	6.4	5.8	18.2	1.9	4.8
2019	4.3	4.1	4.2	6.4	6.4	6.0	15.4	1.1	4.7
2020	3.8	3.4	4.8	5.5	5.2	6.2	13.8	1.3	4.3
2021	3.3	3.2	5.7	5.4	6.1	6.2	14.5	2.7	4.4
2022	3.5	3.8	5.5	4.5	5.6	8.8	18.5	3.1	4.5
<i>Latest per cent change</i>	4.6	18.6	-4.2	-16.0	-7.6	41.6	27.8	16.2	3.4
<i>Average trend change per year (per cent)</i>	-8.2	-0.6	4.0	-1.9	-3.1	8.9	-0.3	20.1	-1.7

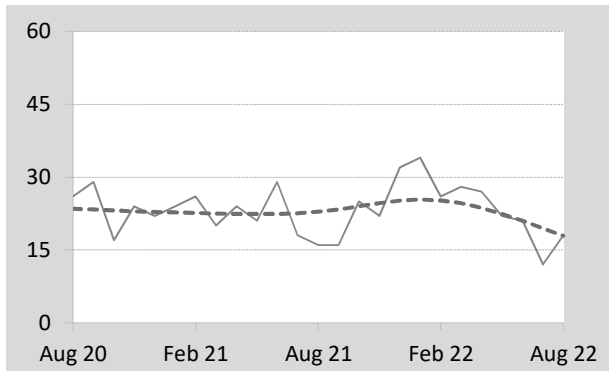
**Table 3.2** Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	5.0	4.1	5.0	5.8	6.1	6.1	12.5	1.2	5.0
2018	4.4	3.3	4.9	4.6	6.0	5.9	20.1	2.1	4.5
2019	4.4	4.1	4.3	6.4	6.1	5.3	14.5	1.4	4.7
2020	3.5	3.2	5.4	5.2	5.7	6.6	12.5	1.6	4.3
2021	3.4	3.5	5.3	5.5	6.0	6.2	14.0	2.4	4.4
<i>Latest per cent change</i>	-3.9	10.9	-1.2	5.9	6.6	-6.1	12.8	56.1	2.9

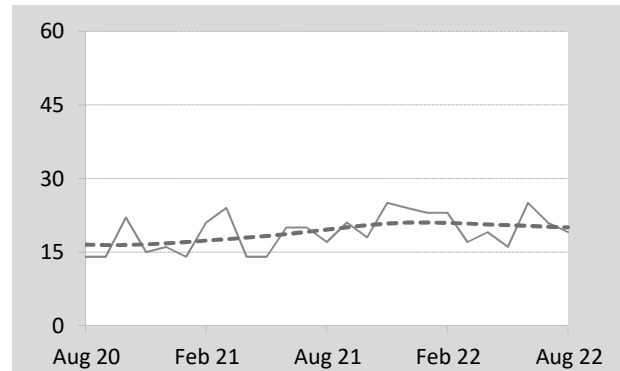
#### 4. Monthly deaths by jurisdiction — last 24 months

— raw  
 - - - smoothed  
 (Whittaker-Henderson)

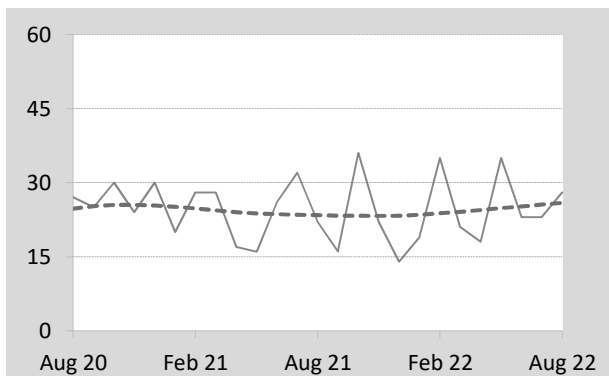
**Figure 4.1 NSW**



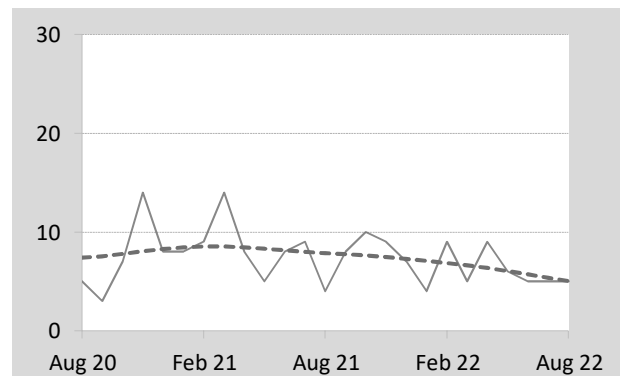
**Figure 4.2 Vic**



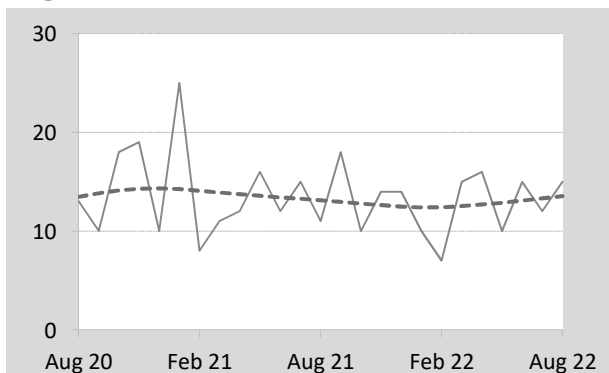
**Figure 4.3 Qld**



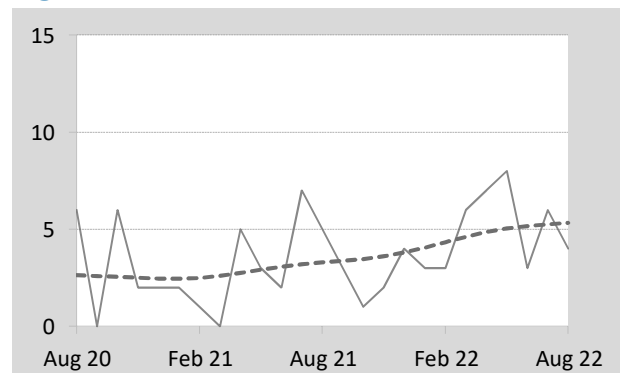
**Figure 4.4 SA**



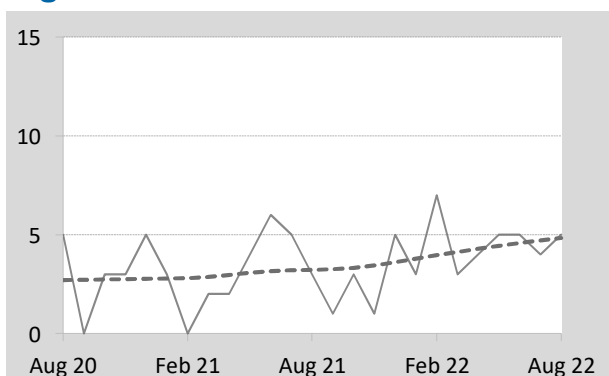
**Figure 4.5 WA**



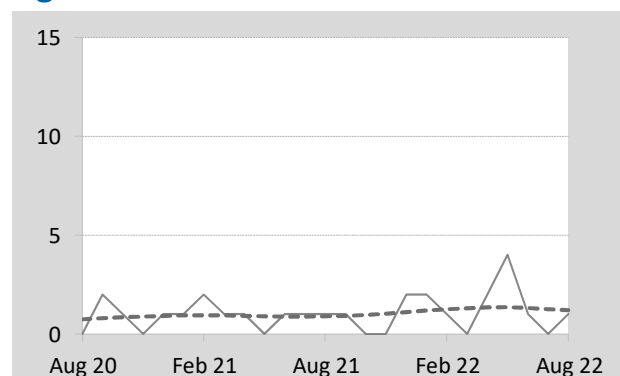
**Figure 4.6 Tas**



**Figure 4.7 NT**



**Figure 4.8 ACT**



## 5. Fatal crashes: counts and characteristics

**Table 5.1** By Crash type and Posted speed limit

12 months ended August	Crash type <sup>a</sup>		Posted speed limit (km/h)						Total <sup>b</sup>
	Single	Multiple	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2018	636	467	26	146	272	174	337	137	1,103
2019	682	413	19	131	232	189	335	181	1,095
2020	586	410	19	125	223	173	331	121	996
2021	585	463	14	123	236	166	348	147	1,048
2022	678	417	21	119	265	171	340	126	1,095
Latest per cent change	15.9	-9.9	50.0	-3.3	12.3	3.0	-2.3	-14.3	4.5
Average trend change per year (per cent)	-0.3	-1.1	-7.1	-4.6	-0.3	-1.6	0.6	-3.7	-0.6

**Table 5.2** By Day of week and Time of day

12 months ended August	Day of week <sup>c</sup>		Time of day <sup>d</sup>	
	Weekday	Weekend	Day	Night
2018	670	433	674	429
2019	668	427	673	422
2020	621	375	613	383
2021	614	434	630	418
2022	687	408	662	432
Latest per cent change	11.9	-6.0	5.1	3.3
Average trend change per year (per cent)	-0.3	-1.0	-1.0	0.0

a 'Single' and 'Multiple' refer to the number of vehicles involved in a fatal crash.

b Includes crashes where speed limit is unknown or not specified.

c 'Weekday' refers to 6am Monday through to 5:59pm Friday.

d 'Day' refers to 6am through to 5:59 pm.

## Appendix

### Definition

The road safety agencies in each jurisdiction use detailed criteria to define road crashes and road deaths. Briefly, a death is classified as resulting from a road crash if the crash occurred on a public road, is unintentional and the death occurred within 30 days from injuries sustained in the crash.

### Population rates

Rates per population are based on the deaths to the current 12-month period, and the population at the midpoint of the period. The population at midpoints is interpolated if necessary.

### New ongoing fields in August 2018 database

The *Australian Road Deaths Database* now includes geographic location information for fatal crashes.

Back series of data for all jurisdictions is in development.

### Average trend change (% per year)

Designed to provide a **one-number summary** of growth rates over recent time periods. Calculated by fitting an exponential curve through the data points, and quoting the constant (annual) change of this curve.

### Smooth trend lines

These trend lines are designed to track medium-term trends and turning points in the raw data. Whittaker-Henderson smoothers have been used with value of 80 for the smoothing parameter. The application R (package *pracma*) can be used for such trend lines. Error bounds are 90% (approximately) around the monthly data.

### Other sources for the tables in this bulletin

The underlying database used to produce this bulletin — the *Australian Road Deaths Database* is available for data extraction at <[http://www.bitre.gov.au/statistics/safety/fatal\\_road\\_crash\\_database.aspx](http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx)>.

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