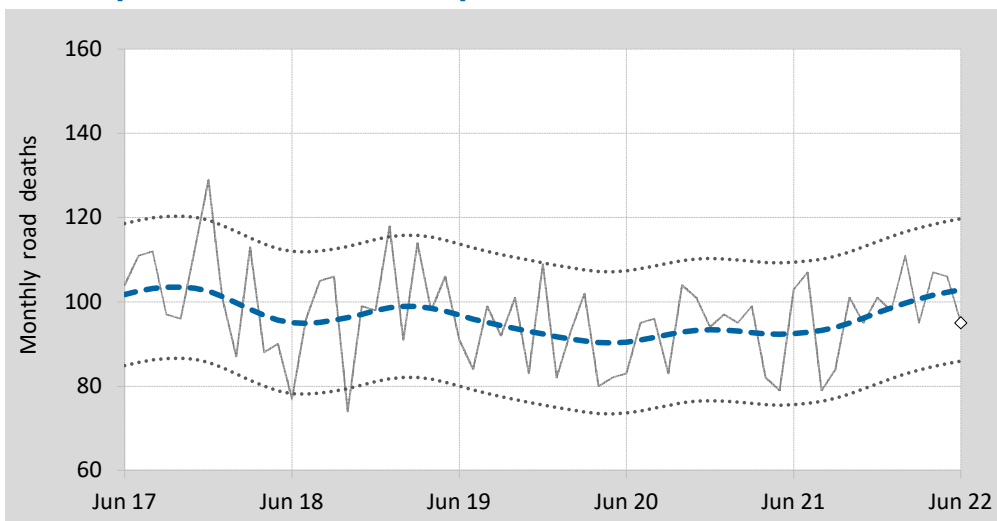




## This month's key figures

- There was a total of 95 road deaths during the month of June 2022. The current figure is 3.7 per cent higher than the average for June over the previous five years.
- During the 12 months ended June 2022, there were 1,179 road deaths. This is an increase of 4.5 per cent from the 12-month period ending June 2021.
- Presently, the rate of annual deaths per 100,000 population stands at 4.6. This is a 4.0 per cent increase compared to the rate for the 12-month period ending June 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.

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## I. Deaths by jurisdiction

**Table I.1** Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
June 2021	28	20	26	8	12	2	6	1	103
June 2022	20	25	22	6	14	3	4	1	95
Per cent change	-28.6	25.0	-15.4	-25.0	16.7	50.0	-33.3	0.0	-7.8

**Table I.2** Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2021 - June 2021	141	107	135	52	84	13	17	6	555
January 2022 - June 2022	157	127	151	39	71	31	26	10	612
Per cent change	11.3	18.7	11.9	-25.0	-15.5	138.5	52.9	66.7	10.3

**Table I.3** Year ending June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	386	238	246	99	164	31	42	7	1,213
2019	358	263	227	103	170	32	37	6	1,196
2020	314	231	237	99	141	31	32	5	1,090
2021	283	203	296	99	167	32	37	11	1,128
2022	284	252	292	86	153	53	44	15	1,179
Latest per cent change	0.4	24.1	-1.4	-13.1	-8.4	65.6	18.9	36.4	4.5
Average trend change per year (per cent)	-8.1	-1.4	6.3	-3.2	-1.6	11.3	0.9	23.7	-1.1

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

**Table 2.1** By road user

12 months ended June	Driver	Passenger	Pedestrian	Motorcyclist <sup>a</sup>	Cyclist <sup>a</sup>	Total <sup>b</sup>
2018	569	220	180	191	44	1,213
2019	554	223	174	205	34	1,196
2020	513	186	147	195	48	1,090
2021	565	170	128	225	33	1,128
2022	565	194	146	223	36	1,179
Latest per cent change	0.0	14.1	14.1	-0.9	9.1	4.5
Average trend change per year (per cent)	0.1	-5.1	-7.0	4.1	-4.2	-1.1

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

12 months ended June	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total <sup>b</sup>
2018	38	242	242	394	129	167	1,213
2019	56	228	259	374	114	162	1,196
2020	48	216	274	324	85	139	1,090
2021	62	217	280	348	99	121	1,128
2022	67	224	244	362	118	151	1,179
Latest per cent change	8.1	3.2	-12.9	4.0	19.2	24.8	4.5
Average trend change per year (per cent)	13.2	-2.0	0.9	-2.4	-3.1	-4.8	-1.1

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

**Table 2.3** By gender

12 months ended June	Males	Females	Total <sup>c</sup>
2018	896	317	1,213
2019	897	298	1,196
2020	816	270	1,090
2021	836	292	1,128
2022	893	279	1,179
Latest per cent change	6.8	-4.5	4.5
Average trend change per year (per cent)	-0.8	-2.7	-1.1

a Includes pillion passengers.

b Includes deaths to 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 June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	4.9	3.7	5.0	5.7	6.3	5.8	16.9	1.7	4.9
2019	4.5	4.1	4.5	5.9	6.4	5.9	15.0	1.4	4.8
2020	3.9	3.5	4.6	5.6	5.2	5.5	12.9	1.1	4.3
2021	3.5	3.1	5.7	5.5	6.1	5.7	14.8	2.4	4.4
2022	3.5	3.8	5.5	4.8	5.5	9.3	17.6	3.3	4.6
Latest per cent change	0.2	24.2	-2.7	-13.6	-9.4	64.4	18.8	35.8	4.0
Average trend change per year (per cent)	-8.7	-2.2	4.7	-4.1	-3.0	9.5	0.7	21.6	-2.1

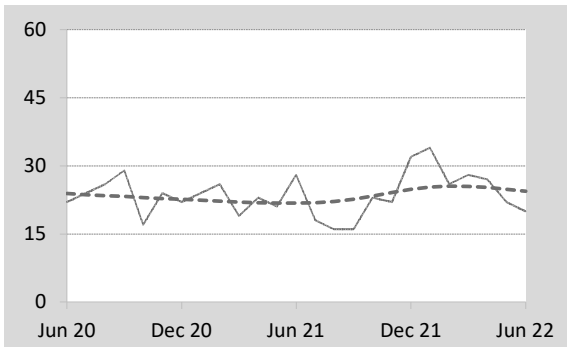
**Table 3.2** Calendar year period

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	3.3	3.5	5.3	5.5	6.0	6.2	14.0	2.4	4.4
Latest per cent change	-5.6	10.9	-1.5	5.9	6.6	-6.1	12.8	56.1	2.3

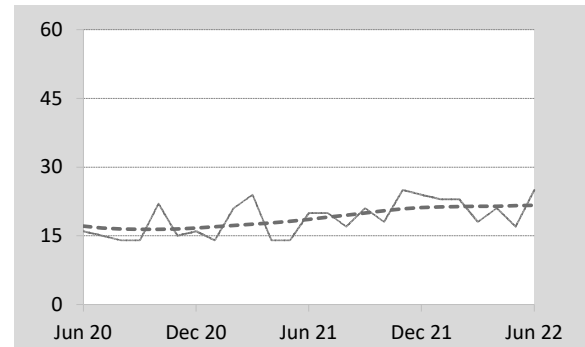
#### 4. Monthly deaths by jurisdiction — last 24 months

— raw  
 - - - smoothed  
 (Whittaker-Henderson)

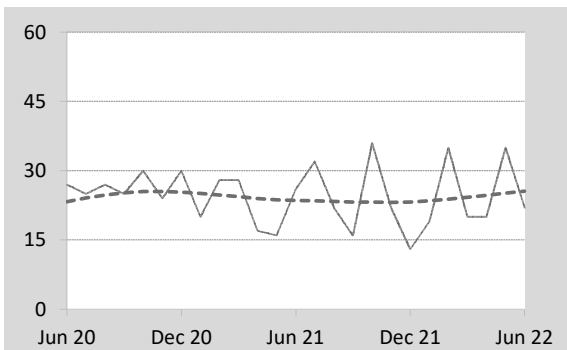
**Figure 4.1 NSW**



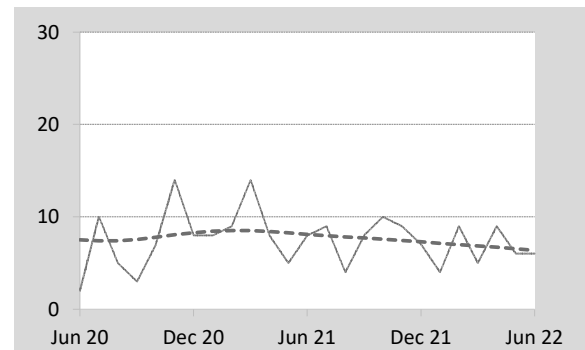
**Figure 4.2 Vic**



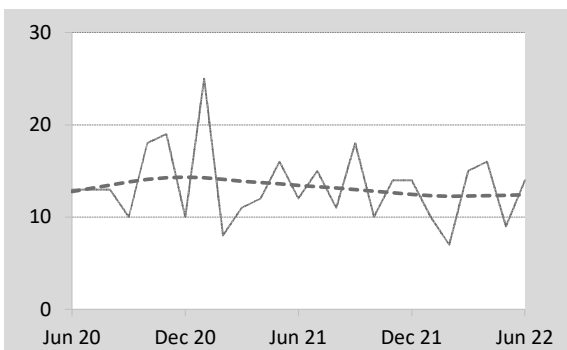
**Figure 4.3 Qld**



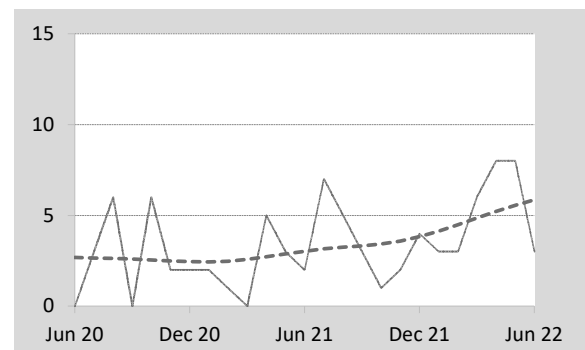
**Figure 4.4 SA**



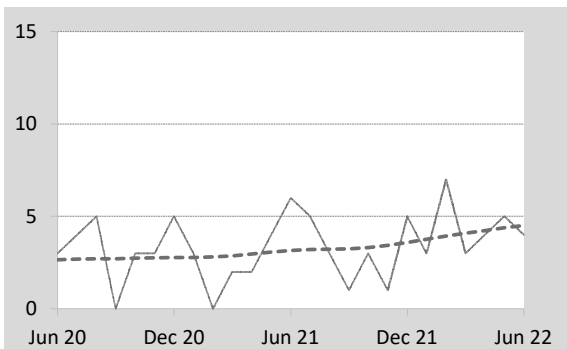
**Figure 4.5 WA**



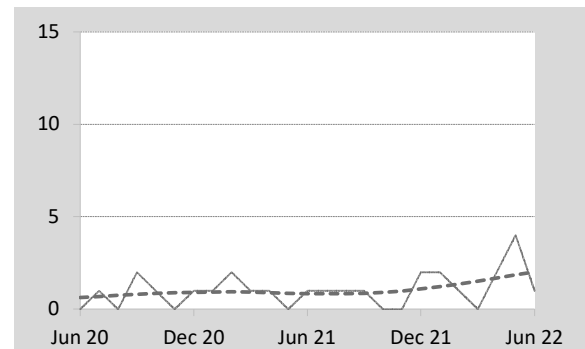
**Figure 4.6 Tas**



**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 June	Crash type <sup>a</sup>		Posted speed limit (km/h)						Total <sup>b</sup>
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2018	642	482	29	151	216	237	335	148	1,124
2019	676	427	18	127	190	229	357	172	1,103
2020	585	412	20	136	168	237	308	125	997
2021	598	454	14	116	173	242	353	142	1,052
2022	671	413	19	124	193	231	343	125	1,090
Latest per cent change	12.2	-9.0	35.7	6.9	11.6	-4.5	-2.8	-12.0	3.6
Average trend change per year (per cent)	-0.3	-2.4	-10.4	-4.7	-3.1	0.0	0.4	-5.2	-1.1

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

12 months ended June	Day of week <sup>c</sup>		Time of day <sup>d</sup>	
	Weekday	Weekend	Day	Night
2018	675	449	698	426
2019	681	422	677	426
2020	623	374	610	387
2021	613	439	639	413
2022	676	413	657	427
Latest per cent change	10.3	-5.9	2.8	3.4
Average trend change per year (per cent)	-1.0	-1.3	-1.8	-0.3

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 June 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.