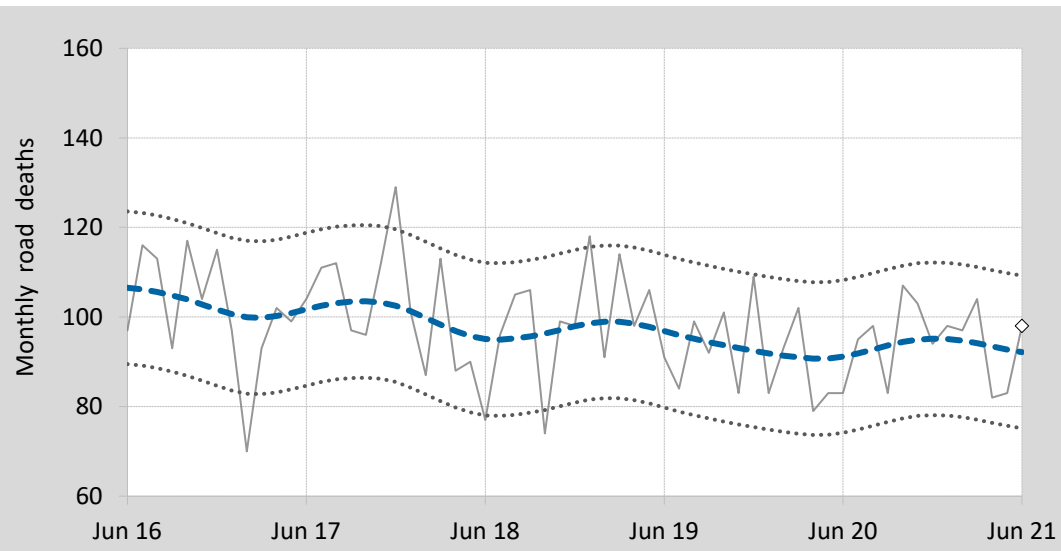




This month's key figures

- There was a total of 98 road deaths during the month of June 2021. The current figure is 8.4 per cent higher than the average for June over the previous five years.
- During the 12 months ended June 2021, there were 1,142 road deaths. This is an increase of 4.7 per cent from the 12-month period ending June 2020.
- Presently, the rate of annual deaths per 100,000 population stands at 4.4. This is a 4.1 per cent increase compared to the rate for the 12-month period ending June 2020.

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
- Territory and Municipal 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
 Email : 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 2020	22	16	27	2	13	0	3	0	83
June 2021	25	18	26	7	12	3	6	1	98
Per cent change	13.6	12.5	-3.7	250.0	-7.7	-	100.0	0.0	18.1

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2020 - June 2020	143	115	118	46	71	17	11	2	523
January 2021 - June 2021	147	108	133	53	83	15	17	6	562
Per cent change	2.8	-6.1	12.7	15.2	16.9	-11.8	54.5	200.0	7.5

Table I.3 Year ending June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	355	267	251	82	181	32	44	11	1,223
2018	386	238	246	99	164	31	42	7	1,213
2019	358	263	227	103	170	32	37	6	1,196
2020	315	231	238	99	141	30	32	5	1,091
2021	297	204	293	100	166	34	37	11	1,142
Latest per cent change	-5.7	-11.7	23.1	1.0	17.7	13.3	15.6	120.0	4.7
Average trend change per year (per cent)	-5.4	-5.5	2.8	4.0	-3.2	0.9	-6.0	-3.3	-2.4

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

Table 2.1 By road user

12 months ended June	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^a cyclist	Total ^b
2017	569	213	168	242	25	1,223
2018	569	220	180	191	44	1,213
2019	554	223	174	205	34	1,196
2020	514	185	147	196	48	1,091
2021	579	171	126	227	32	1,142
Latest per cent change	12.6	-7.6	-14.3	15.8	-33.3	4.7
Average trend change per year (per cent)	-0.7	-5.9	-7.5	-1.0	6.0	-2.4

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 ^b
2017	64	258	271	375	101	154	1,223
2018	38	242	242	394	129	167	1,213
2019	56	228	259	374	114	162	1,196
2020	48	216	274	325	85	139	1,091
2021	64	217	284	357	98	121	1,142
Latest per cent change	33.3	0.5	3.6	9.8	15.3	-12.9	4.7
Average trend change per year (per cent)	2.4	-4.5	2.2	-2.9	-4.7	-6.4	-2.4

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

Table 2.3 By gender

12 months ended June	Males	Females	Total ^c
2017	901	321	1,223
2018	896	317	1,213
2019	897	298	1,196
2020	816	271	1,091
2021	845	295	1,142
<i>Latest per cent change</i>	3.6	8.9	4.7
<i>Average trend change per year (per cent)</i>	-2.2	-3.2	-2.4

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
2017	4.55	4.28	5.14	4.77	7.06	6.16	17.87	2.70	5.01
2018	4.87	3.73	4.96	5.73	6.35	5.91	17.01	1.68	4.90
2019	4.45	4.03	4.49	5.91	6.52	6.02	15.05	1.42	4.75
2020	3.87	3.47	4.63	5.62	5.33	5.57	13.05	1.17	4.27
2021	3.63	3.06	5.64	5.65	6.22	6.28	15.01	2.55	4.44
<i>Latest per cent change</i>	-6.1	-11.7	21.7	0.5	16.7	12.7	15.0	118.4	4.1
<i>Average trend change per year (per cent)</i>	-6.6	-7.1	1.2	3.2	-4.2	-0.2	-6.0	-4.7	-3.7

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	4.91	4.70	5.18	5.02	7.55	7.15	18.32	2.48	5.34
2017	4.94	4.10	5.01	5.80	6.18	6.13	12.52	1.21	4.97
2018	4.35	3.30	4.89	4.61	6.09	6.06	20.24	2.14	4.54
2019	4.36	4.03	4.30	6.50	6.21	5.42	14.63	1.41	4.68
2020	3.59	3.15	5.37	5.25	5.78	6.66	12.59	1.62	4.29
<i>Latest per cent change</i>	-17.8	-21.9	24.9	-19.2	-7.0	22.7	-13.9	15.3	-8.2

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

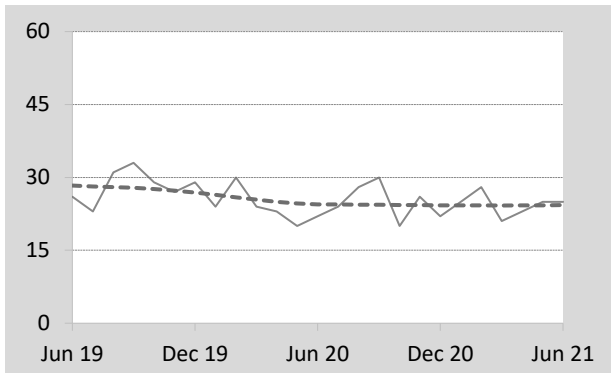


Figure 4.2 Vic

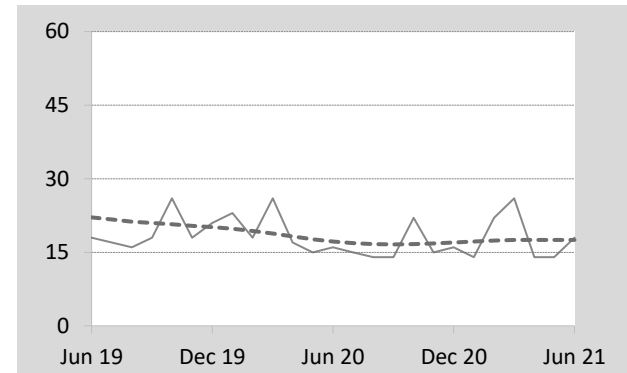


Figure 4.3 Qld

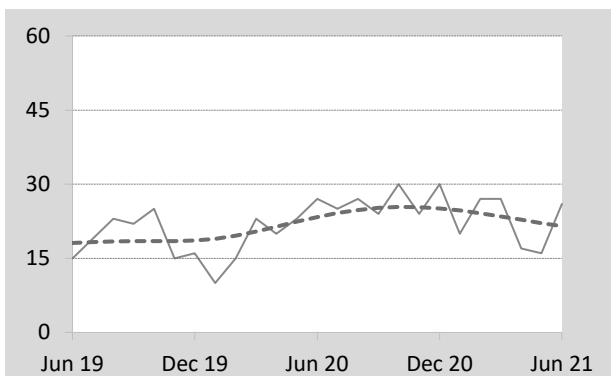


Figure 4.4 SA

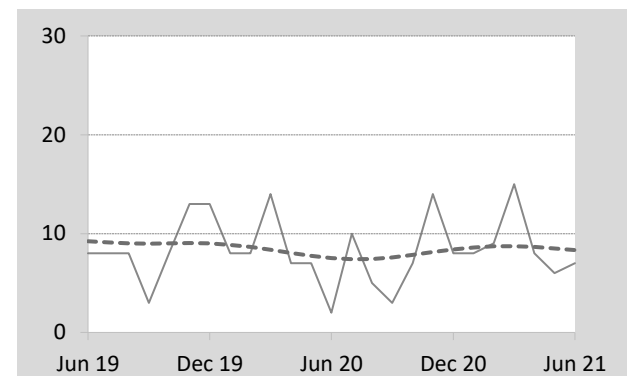


Figure 4.5 WA

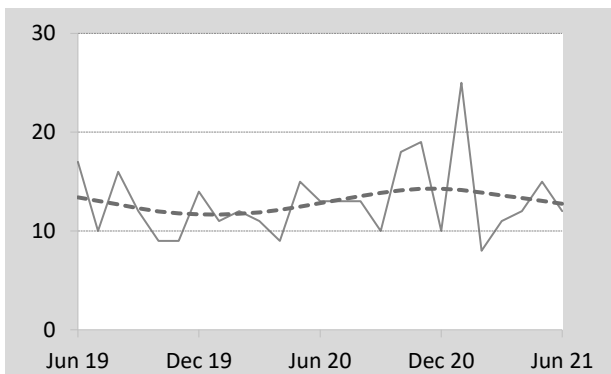


Figure 4.6 Tas

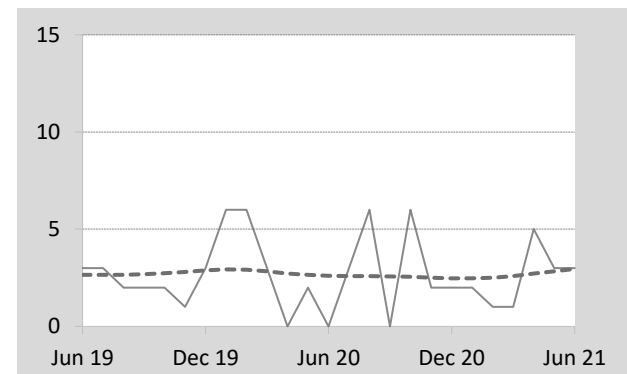


Figure 4.7 NT

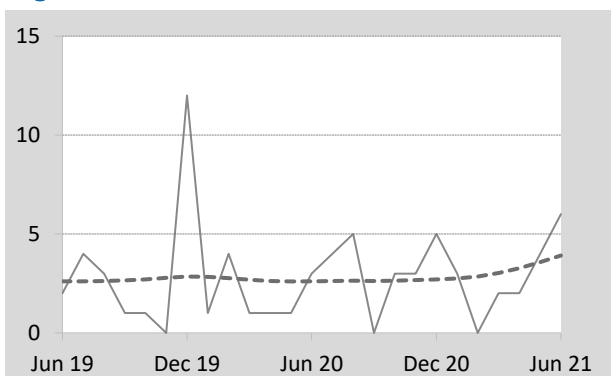
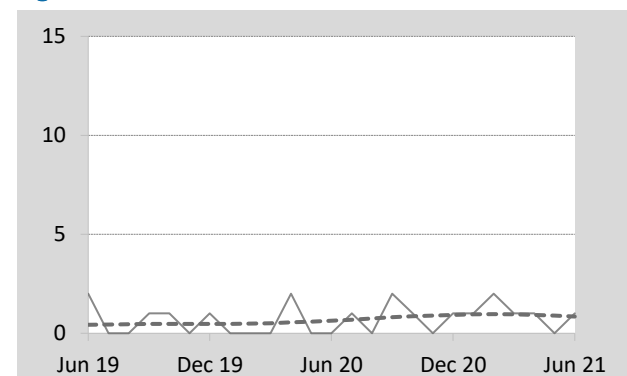


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended June	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2017	640	502	28	125	204	273	358	145	1,142
2018	642	482	29	151	216	237	335	148	1,124
2019	676	427	18	127	190	229	357	172	1,103
2020	584	414	20	136	168	237	309	125	998
2021	606	460	19	120	168	237	344	143	1,066
Latest per cent change	3.8	11.1	-5.0	-11.8	0.0	0.0	11.3	14.4	6.8
Average trend change per year (per cent)	-2.0	-3.2	-10.8	-1.8	-6.2	-2.8	-1.6	-1.9	-2.5

Table 5.2 By Day of week and Time of day

12 months ended June	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2017	705	437	696	446
2018	675	449	698	426
2019	681	422	677	426
2020	624	374	611	387
2021	619	447	643	423
Latest per cent change	-0.8	19.5	5.2	9.3
Average trend change per year (per cent)	-3.3	-1.4	-2.9	-2.0

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 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>.

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