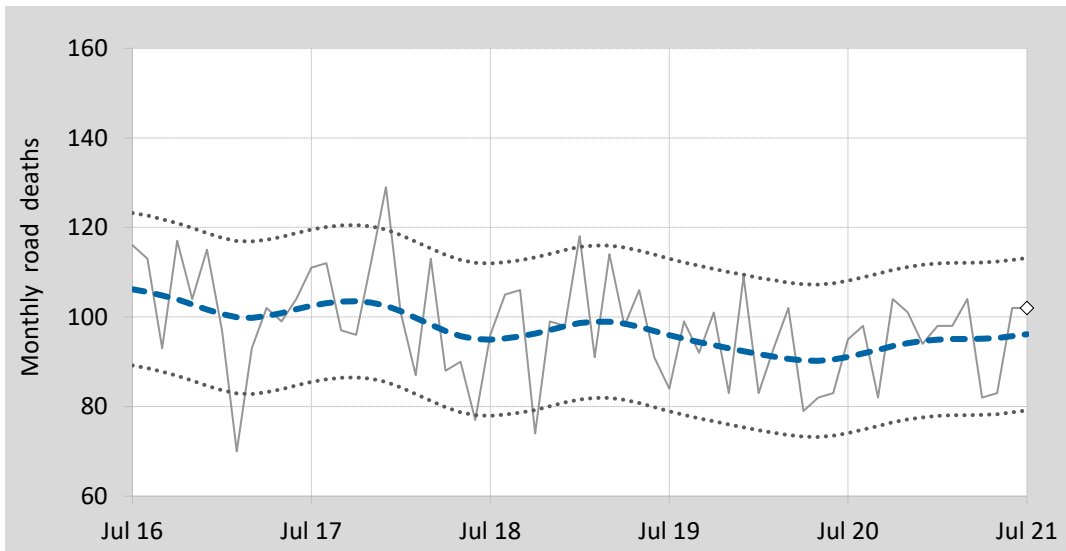




This month's key figures

- There was a total of 102 road deaths during the month of July 2021. The current figure is 1.6 per cent higher than the average for July over the previous five years.
- During the 12 months ended July 2021, there were 1,148 road deaths. This is an increase of 4.3 per cent from the 12-month period ending July 2020.
- Presently, the rate of annual deaths per 100,000 population stands at 4.5. This is a 3.8 per cent increase compared to the rate for the 12-month period ending July 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
July 2020	24	15	25	10	13	3	4	1	95
July 2021	22	17	27	9	14	7	5	1	102
Per cent change	-8.3	13.3	8.0	-10.0	7.7	133.3	25.0	0.0	7.4

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2020 - July 2020	167	130	142	56	84	20	15	3	617
January 2021 - July 2021	172	125	161	63	97	22	22	7	669
Per cent change	3.0	-3.8	13.4	12.5	15.5	10.0	46.7	133.3	8.4

Table I.3 Year ending July

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	365	262	246	89	173	32	42	9	1,218
2018	377	232	252	92	164	31	42	8	1,198
2019	350	265	217	107	169	33	38	5	1,184
2020	316	229	243	101	144	30	32	6	1,101
2021	292	206	296	100	167	38	38	11	1,148
Latest per cent change	-7.6	-10.0	21.8	-1.0	16.0	26.7	18.8	83.3	4.3
Average trend change per year (per cent)	-6.0	-4.8	3.4	3.3	-2.0	3.2	-4.6	1.1	-2.0

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

Table 2.1 By road user

12 months ended July	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^a cyclist	Total ^b
2017	563	221	169	233	26	1,218
2018	555	217	182	194	42	1,198
2019	549	219	168	205	37	1,184
2020	531	185	143	194	46	1,101
2021	571	178	133	227	32	1,148
Latest per cent change	7.5	-3.8	-7.0	17.0	-30.4	4.3
Average trend change per year (per cent)	-0.2	-5.8	-6.9	-0.5	5.2	-2.0

Table 2.2 By age-group (years)

12 months ended July	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2017	64	251	266	365	104	168	1,218
2018	39	236	239	400	128	154	1,198
2019	54	227	258	371	105	167	1,184
2020	50	225	277	322	91	132	1,101
2021	63	212	285	370	94	123	1,148
Latest per cent change	26.0	-5.8	2.9	14.9	3.3	-6.8	4.3
Average trend change per year (per cent)	2.2	-3.8	2.9	-1.9	-5.3	-7.5	-2.0

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

Table 2.3 By gender

12 months ended July	Males	Females	Total ^c
2017	887	330	1,218
2018	892	305	1,198
2019	889	295	1,184
2020	821	276	1,101
2021	847	299	1,148
<i>Latest per cent change</i>	3.2	8.3	4.3
<i>Average trend change per year (per cent)</i>	-1.7	-2.9	-2.0

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 July

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	4.67	4.19	5.03	5.18	6.75	6.15	17.07	2.21	4.99
2018	4.76	3.63	5.07	5.32	6.35	5.90	17.03	1.92	4.83
2019	4.35	4.05	4.29	6.13	6.48	6.20	15.49	1.18	4.70
2020	3.88	3.43	4.72	5.73	5.43	5.56	13.07	1.40	4.30
2021	3.57	3.10	5.69	5.65	6.25	7.02	15.41	2.55	4.47
<i>Latest per cent change</i>	-7.9	-9.8	20.5	-1.4	15.0	26.1	17.9	82.0	3.8
<i>Average trend change per year (per cent)</i>	-7.1	-6.4	1.8	2.5	-3.0	2.1	-4.6	-0.3	-3.3

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	3.51	3.15	5.35	5.25	5.78	6.66	12.59	1.62	4.27
<i>Latest per cent change</i>	-19.5	-21.9	24.5	-19.2	-7.0	22.7	-13.9	15.3	-8.8

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

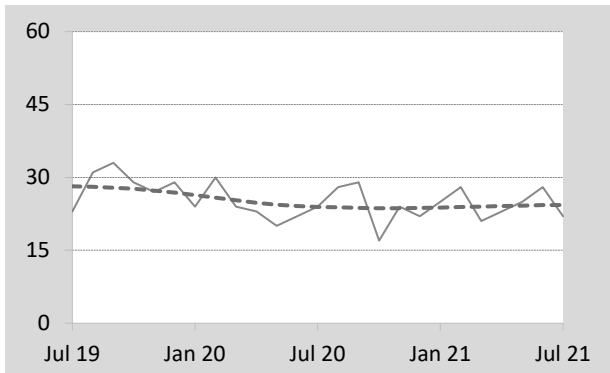


Figure 4.2 Vic

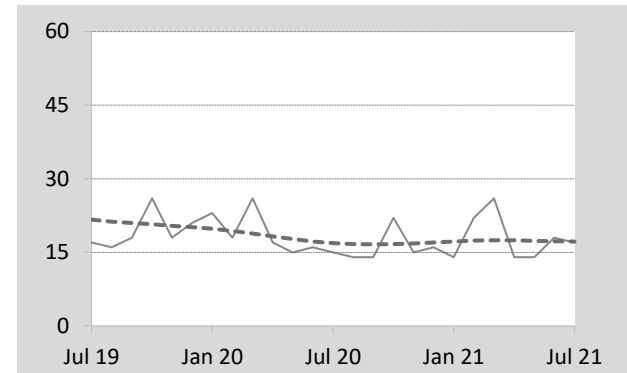


Figure 4.3 Qld

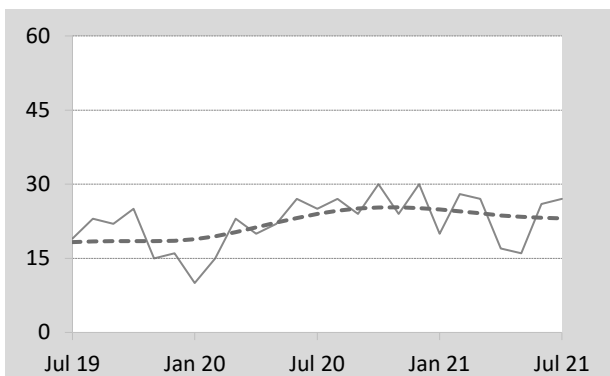


Figure 4.4 SA

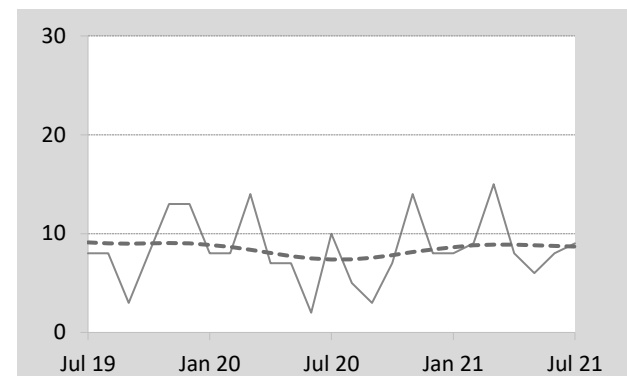


Figure 4.5 WA

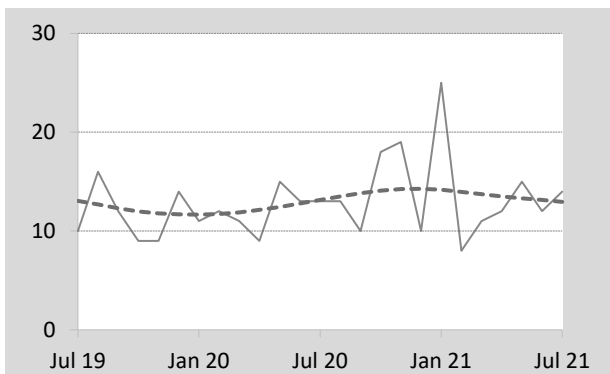


Figure 4.6 Tas

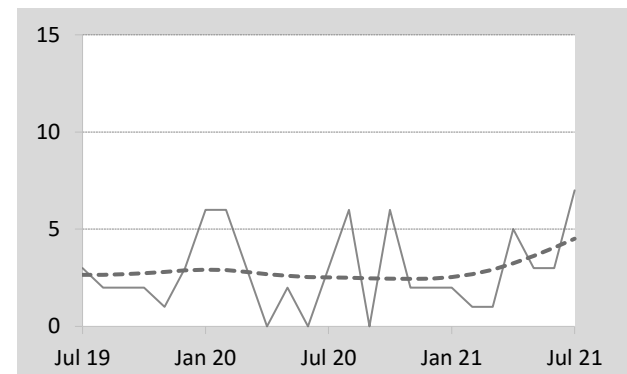


Figure 4.7 NT

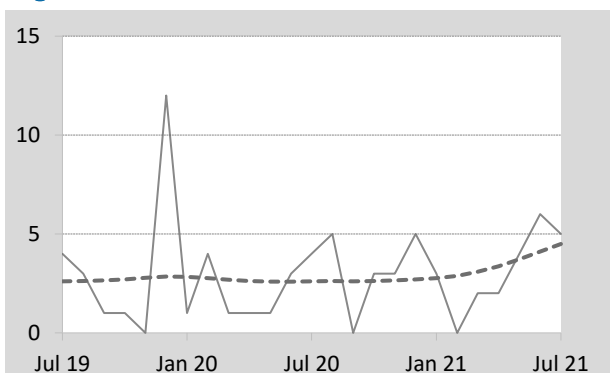
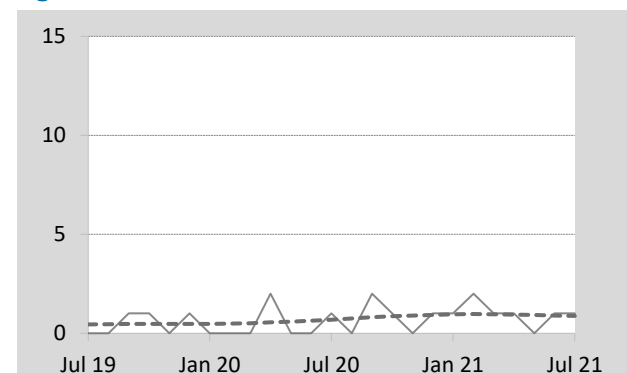


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended July	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2017	626	508	29	131	215	260	342	149	1,134
2018	634	476	26	145	209	243	340	138	1,110
2019	669	426	17	128	187	229	351	174	1,095
2020	594	412	23	129	167	233	322	128	1,006
2021	605	464	14	123	178	237	335	145	1,069
Latest per cent change	1.9	12.6	-39.1	-4.7	6.6	1.7	4.0	13.3	6.3
Average trend change per year (per cent)	-1.3	-3.2	-14.6	-2.4	-5.8	-2.2	-1.0	-1.3	-2.1

Table 5.2 By Day of week and Time of day

12 months ended July	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2017	709	425	708	426
2018	677	433	684	426
2019	671	424	673	422
2020	630	376	616	390
2021	619	450	643	426
Latest per cent change	-1.7	19.7	4.4	9.2
Average trend change per year (per cent)	-3.4	-0.3	-2.9	-0.9

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 July 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.