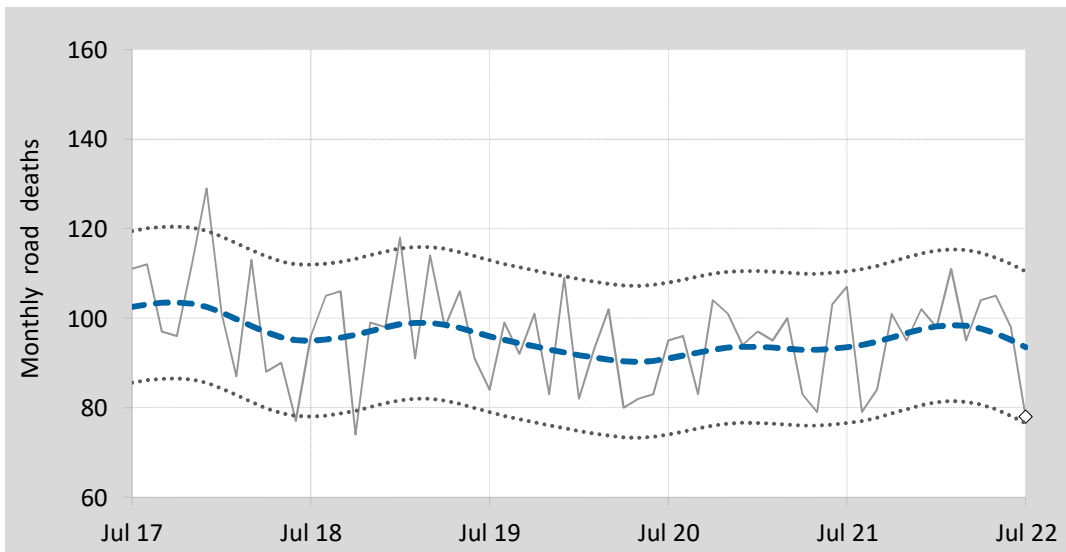




This month's key figures

- There was a total of 78 road deaths during the month of July 2022. The current figure is 20.9 per cent lower than the average for July over the previous five years.
- During the 12 months ended July 2022, there were 1,150 road deaths. This is an increase of 0.7 per cent from the 12-month period ending July 2021.
- Presently, the rate of annual deaths per 100,000 population stands at 4.5. This is a 0.1 per cent increase compared to the rate for the 12-month period ending July 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
 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 2021	18	20	32	9	15	7	5	1	107
July 2022	11	21	21	5	10	6	4	0	78
Per cent change	-38.9	5.0	-34.4	-44.4	-33.3	-14.3	-20.0	-100.0	-27.1

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2021 - July 2021	161	127	167	61	99	20	22	7	664
January 2022 - July 2022	169	144	174	43	82	36	31	10	689
Per cent change	5.0	13.4	4.2	-29.5	-17.2	80.0	40.9	42.9	3.8

Table I.3 Year ending July

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	377	232	252	92	164	31	42	8	1,198
2019	350	265	217	107	169	33	38	5	1,184
2020	315	229	243	101	144	31	32	6	1,101
2021	279	208	303	98	169	36	38	11	1,142
2022	278	249	284	81	149	51	44	14	1,150
Latest per cent change	-0.4	19.7	-6.3	-17.3	-11.8	41.7	15.8	27.3	0.7
Average trend change per year (per cent)	-8.0	-1.0	5.9	-3.4	-1.9	11.4	0.9	21.0	-1.2

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

Table 2.1 By road user

12 months ended July	Driver	Passenger	Pedestrian	Motorcyclist ^a	Cyclist ^a	Total ^b
2018	555	217	182	194	42	1,198
2019	549	219	168	205	37	1,184
2020	531	186	143	193	46	1,101
2021	564	180	132	227	32	1,142
2022	558	179	144	222	37	1,150
Latest per cent change	-1.1	-0.6	9.1	-2.2	15.6	0.7
Average trend change per year (per cent)	0.4	-5.6	-6.8	3.8	-3.9	-1.2

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
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	62	214	283	361	94	127	1,142
2022	65	222	229	358	122	147	1,150
Latest per cent change	4.8	3.7	-19.1	-0.8	29.8	15.7	0.7
Average trend change per year (per cent)	12.3	-1.8	0.1	-2.5	-2.0	-3.6	-1.2

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

Table 2.3 By gender

12 months ended July	Males	Females	Total ^c
2018	892	305	1,198
2019	889	295	1,184
2020	821	276	1,101
2021	843	299	1,142
2022	879	269	1,150
<i>Latest per cent change</i>	4.3	-10.0	0.7
<i>Average trend change per year (per cent)</i>	-0.8	-2.3	-1.2

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 July

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	4.8	3.6	5.1	5.3	6.3	5.8	17.0	1.9	4.8
2019	4.4	4.1	4.3	6.1	6.4	6.0	15.4	1.1	4.7
2020	3.9	3.5	4.7	5.7	5.3	5.5	12.9	1.3	4.3
2021	3.5	3.2	5.8	5.5	6.2	6.4	15.3	2.4	4.5
2022	3.4	3.8	5.4	4.5	5.4	8.9	17.7	3.1	4.5
<i>Latest per cent change</i>	-0.5	19.6	-7.7	-17.8	-12.8	40.5	15.8	26.7	0.1
<i>Average trend change per year (per cent)</i>	-8.6	-1.7	4.4	-4.3	-3.4	9.6	0.7	19.0	-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
<i>Latest per cent change</i>	-4.9	10.9	-1.2	5.9	6.6	-6.1	12.8	56.1	2.6

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

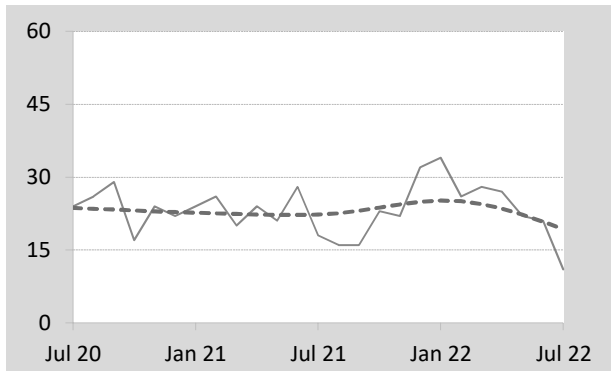


Figure 4.2 Vic

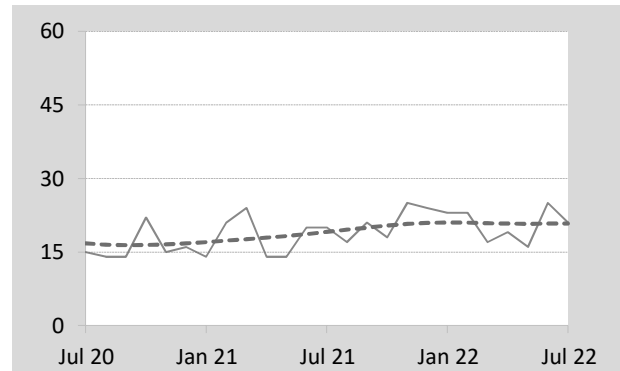


Figure 4.3 Qld

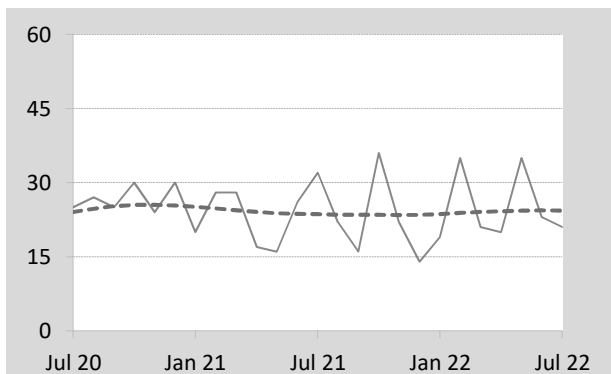


Figure 4.4 SA

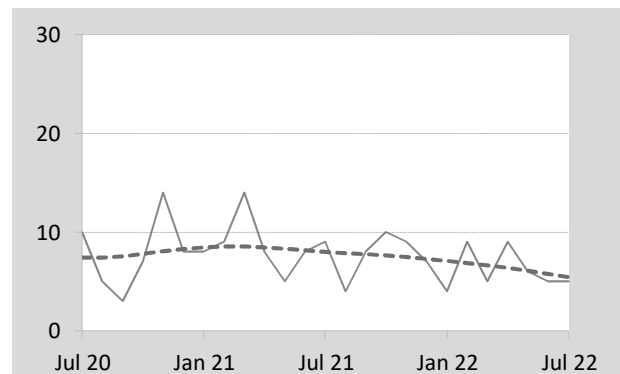


Figure 4.5 WA

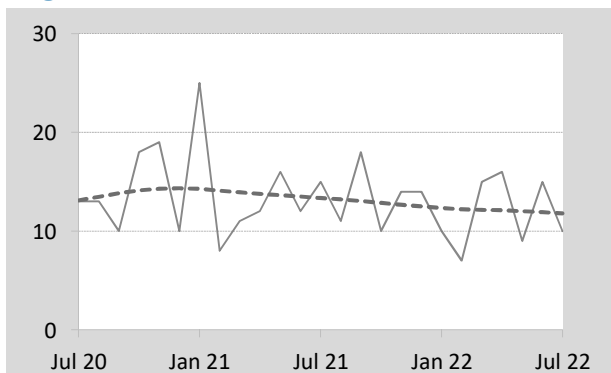


Figure 4.6 Tas

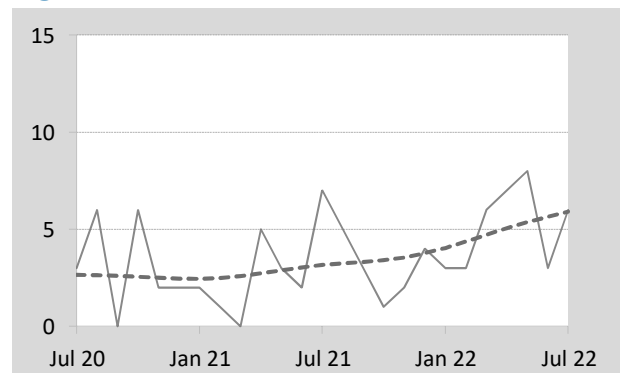


Figure 4.7 NT

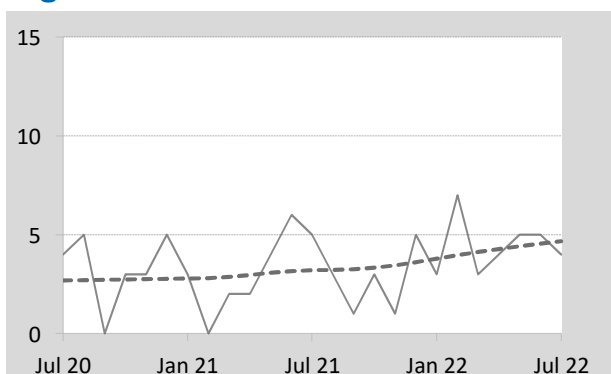
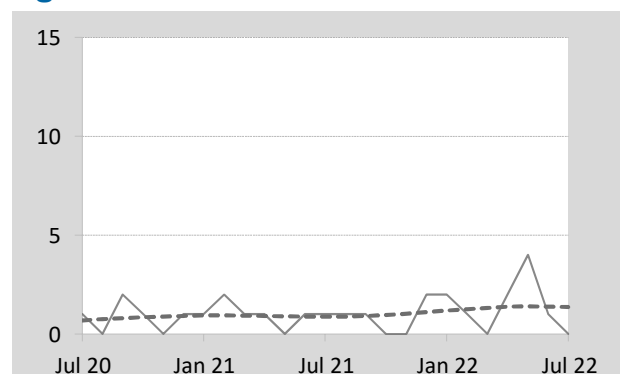


Figure 4.8 ACT



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	
2018	634	476	26	145	209	243	340	138	1,110
2019	669	426	17	128	187	229	351	174	1,095
2020	599	407	23	129	167	233	322	128	1,006
2021	597	465	13	121	183	239	348	145	1,062
2022	668	403	20	118	197	229	339	124	1,071
Latest per cent change	11.9	-13.3	53.8	-2.5	7.7	-4.2	-2.6	-14.5	0.8
Average trend change per year (per cent)	-0.1	-2.4	-7.6	-4.6	-1.4	-0.8	-0.1	-3.9	-1.0

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
2018	677	433	684	426
2019	671	424	673	422
2020	630	376	615	391
2021	617	445	642	420
2022	673	398	652	418
Latest per cent change	9.1	-10.6	1.6	-0.5
Average trend change per year (per cent)	-1.0	-1.2	-1.4	-0.4

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.