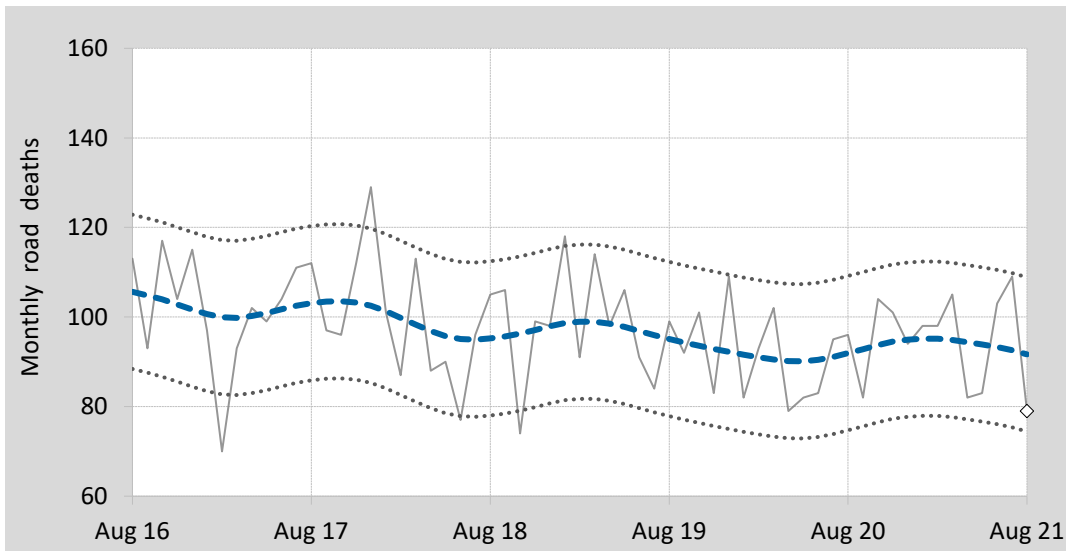




This month's key figures

- There was a total of 79 road deaths during the month of August 2021. The current figure is 24.8 per cent lower than the average for August over the previous five years.
- During the 12 months ended August 2021, there were 1,138 road deaths. This is an increase of 3.7 per cent from the 12-month period ending August 2020.
- Presently, the rate of annual deaths per 100,000 population stands at 4.4. This is a 3.4 per cent increase compared to the rate for the 12-month period ending August 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
August 2020	26	14	27	5	13	6	5	0	96
August 2021	17	20	19	4	10	5	3	1	79
Per cent change	-34.6	42.9	-29.6	-20.0	-23.1	-16.7	-40.0	-	-17.7

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2020 - August 2020	192	144	169	61	97	26	20	3	712
January 2021 - August 2021	189	149	186	67	107	26	25	8	757
Per cent change	-1.6	3.5	10.1	9.8	10.3	0.0	25.0	166.7	6.3

Table I.3 Year ending August

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	370	257	246	98	167	34	36	9	1,217
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	34	34	6	1,097
2021	281	216	294	99	164	36	36	12	1,138
Latest per cent change	-9.4	-4.8	19.0	1.0	16.3	5.9	5.9	100.0	3.7
Average trend change per year (per cent)	-7.1	-3.3	3.1	2.3	-2.1	2.1	-2.8	2.9	-2.1

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

Table 2.1 By road user

12 months ended August	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^a cyclist	Total ^b
2017	564	223	162	231	29	1,217
2018	547	215	184	195	42	1,191
2019	544	220	168	208	34	1,178
2020	528	189	142	188	48	1,097
2021	572	174	129	226	30	1,138
Latest per cent change	8.3	-7.9	-9.2	20.2	-37.5	3.7
Average trend change per year (per cent)	-0.1	-6.1	-6.9	-0.8	2.0	-2.1

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 ^b
2017	63	249	260	362	103	180	1,217
2018	44	231	246	399	131	138	1,191
2019	51	230	250	368	102	175	1,178
2020	52	218	282	323	87	131	1,097
2021	62	214	272	366	100	122	1,138
Latest per cent change	19.2	-1.8	-3.5	13.3	14.9	-6.9	3.7
Average trend change per year (per cent)	1.4	-3.5	2.3	-1.9	-4.6	-8.0	-2.1

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

Table 2.3 By gender

12 months ended August	Males	Females	Total ^c
2017	889	327	1,217
2018	890	300	1,191
2019	889	289	1,178
2020	807	286	1,097
2021	851	286	1,138
<i>Latest per cent change</i>	5.5	0.0	3.7
<i>Average trend change per year (per cent)</i>	-1.8	-3.1	-2.1

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 August

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	4.73	4.10	5.02	5.70	6.51	6.53	14.64	2.20	4.98
2018	4.71	3.50	5.25	4.63	6.50	5.90	18.26	1.92	4.80
2019	4.26	4.02	4.23	6.42	6.51	6.19	15.51	1.18	4.67
2020	3.80	3.40	4.80	5.56	5.31	6.30	13.90	1.40	4.28
2021	3.44	3.25	5.65	5.59	6.14	6.64	14.60	2.78	4.43
<i>Latest per cent change</i>	-9.6	-4.4	17.9	0.6	15.5	5.5	5.0	98.6	3.4
<i>Average trend change per year (per cent)</i>	-8.2	-4.8	1.5	1.4	-3.1	1.0	-2.7	1.5	-3.4

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	3.48	3.15	5.35	5.25	5.78	6.66	12.59	1.62	4.25
<i>Latest per cent change</i>	-20.3	-21.9	24.5	-19.2	-7.0	22.7	-13.9	15.3	-9.0

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

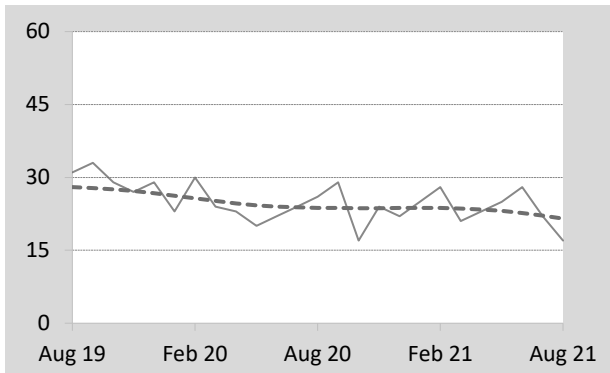


Figure 4.2 Vic

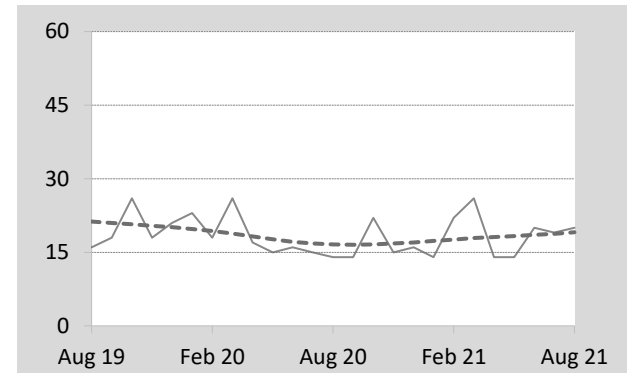


Figure 4.3 Qld

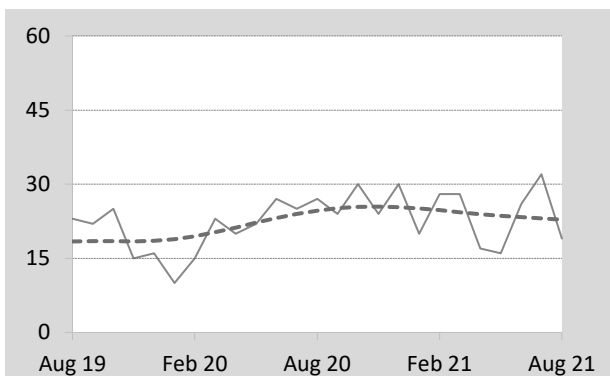


Figure 4.4 SA

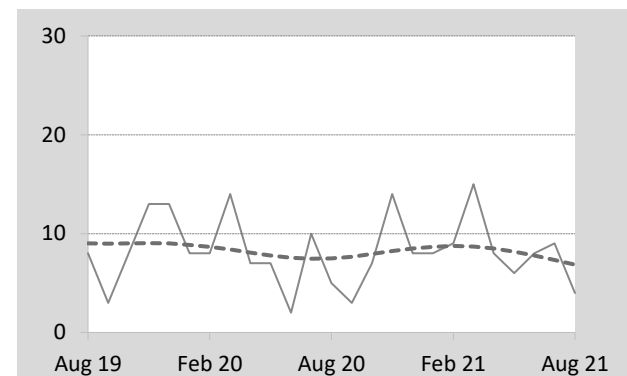


Figure 4.5 WA

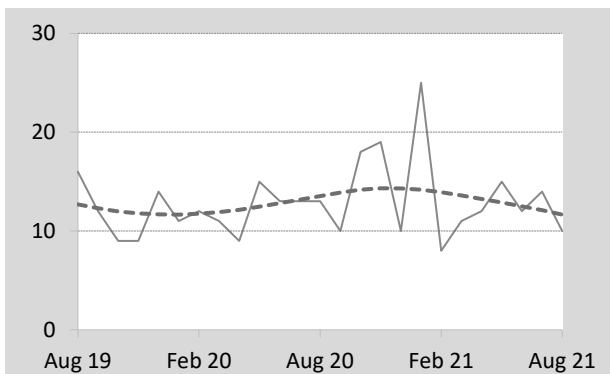


Figure 4.6 Tas

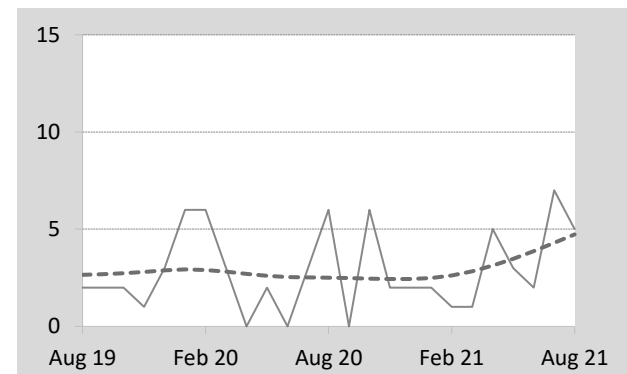


Figure 4.7 NT

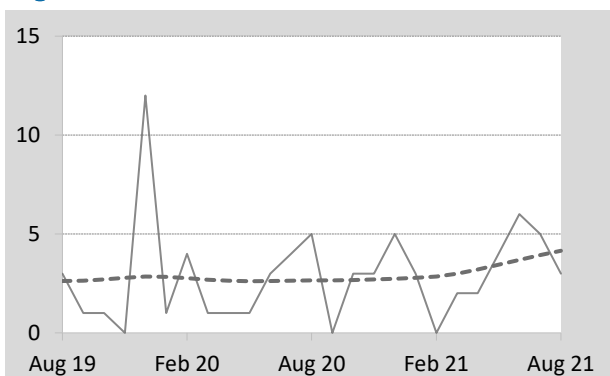
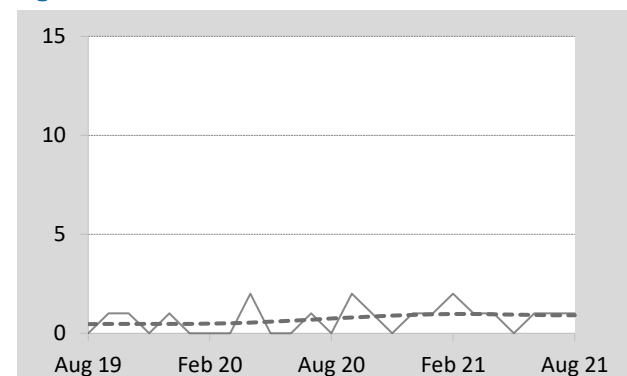


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended August	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2017	618	510	31	133	216	253	341	147	1,128
2018	636	467	26	146	200	246	337	137	1,103
2019	682	413	19	131	189	232	335	181	1,095
2020	585	410	19	125	165	231	330	121	995
2021	599	460	14	129	170	232	338	146	1,059
Latest per cent change	2.4	12.2	-26.3	3.2	3.0	0.4	2.4	20.7	6.4
Average trend change per year (per cent)	-1.4	-3.3	-17.3	-2.1	-6.5	-2.3	-0.4	-1.4	-2.3

Table 5.2 By Day of week and Time of day

12 months ended August	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2017	709	419	719	409
2018	670	433	674	429
2019	668	427	673	422
2020	620	375	613	382
2021	617	442	632	427
Latest per cent change	-0.5	17.9	3.1	11.8
Average trend change per year (per cent)	-3.5	-0.4	-3.5	-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 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>.

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