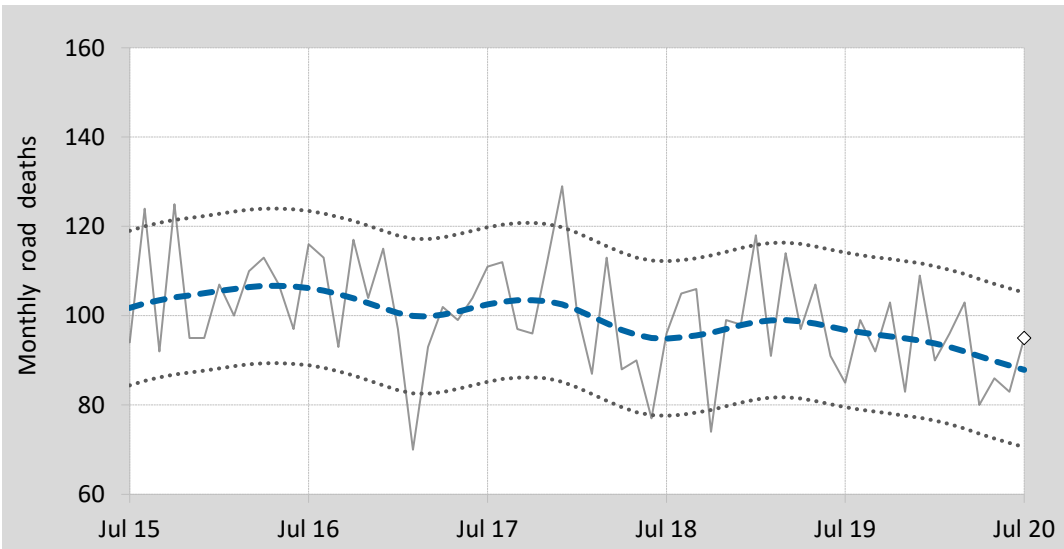




This month's key figures

- There was a total of 95 road deaths during the month of July 2020. The current figure is 5.4 per cent lower than the average for July over the previous five years.
- Comparing across age groups the four months April, May, June and July in 2020 with the average over the previous five years, deaths in ages between 26 and 64 years decreased by 5%. In the younger ages (0-25) deaths decreased by 16% and in the 65+ age groups, deaths decreased by 34%.
- The same comparison of deaths by road user type shows the greatest reduction occurred in pedestrian deaths (-24%). Driver deaths (-14%) also decreased as did passenger deaths (-20%) and motorcyclist deaths (-6%). In contrast, deaths of pedal cyclists increased (+70%).

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 2019	24	17	19	8	10	3	4	0	85
July 2020	27	13	23	11	12	4	4	1	95
Per cent change	12.5	-23.5	21.1	37.5	20.0	33.3	0.0	-	11.8

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2019 - July 2019	205	167	118	69	103	19	19	3	703
January 2020 - July 2020	180	133	141	58	82	21	15	3	633
Per cent change	-12.2	-20.4	19.5	-15.9	-20.4	10.5	-21.1	0.0	-10.0

Table I.3 Year ending July

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	386	273	248	97	183	37	45	12	1,281
2017	365	262	246	89	173	32	42	9	1,218
2018	377	232	252	92	164	31	42	8	1,198
2019	351	265	217	107	169	33	38	5	1,185
2020	331	232	242	103	142	31	32	6	1,119
Latest per cent change	-5.7	-12.5	11.5	-3.7	-16.0	-6.1	-15.8	20.0	-5.6
Average trend change per year (per cent)	-3.4	-3.1	-1.7	3.1	-5.2	-3.2	-7.5	-17.9	-2.9

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
2016	619	223	171	232	35	1,281
2017	563	221	169	233	26	1,218
2018	555	217	182	194	42	1,198
2019	550	219	168	205	37	1,185
2020	546	186	146	192	47	1,119
Latest per cent change	-0.7	-15.1	-13.1	-6.3	27.0	-5.6
Average trend change per year (per cent)	-2.7	-3.7	-3.2	-4.9	9.9	-2.9

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
2016	57	239	276	426	118	165	1,281
2017	64	251	266	365	104	168	1,218
2018	39	236	239	400	128	154	1,198
2019	54	227	258	371	106	167	1,185
2020	51	228	277	334	89	134	1,119
Latest per cent change	-5.6	0.4	7.4	-10.0	-16.0	-19.8	-5.6
Average trend change per year (per cent)	-3.8	-1.9	-0.2	-4.6	-5.3	-4.1	-2.9

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

Table 2.3 By gender

12 months ended July	Males	Females	Total ^c
2016	943	338	1,281
2017	887	330	1,218
2018	892	305	1,198
2019	890	295	1,185
2020	836	279	1,119
<i>Latest per cent change</i>	-6.1	-5.4	-5.6
<i>Average trend change per year (per cent)</i>	-2.3	-4.8	-2.9

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
2016	5.03	4.47	5.16	5.68	7.18	7.17	18.45	3.01	5.33
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	4.36	4.05	4.29	6.13	6.48	6.20	15.49	1.18	4.70
2020	4.07	3.48	4.71	5.85	5.38	5.77	13.09	1.40	4.38
<i>Latest per cent change</i>	-6.7	-14.0	9.8	-4.6	-17.1	-6.9	-15.5	18.9	-6.9
<i>Average trend change per year (per cent)</i>	-4.8	-5.2	-3.3	2.3	-6.0	-4.2	-7.5	-19.3	-4.4

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.60	4.18	5.09	6.00	6.26	6.60	20.03	3.79	5.06
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	4.40	4.03	4.30	6.51	6.22	5.42	14.63	1.41	4.69
<i>Latest per cent change</i>	1.3	22.4	-12.1	41.2	2.1	-10.4	-27.7	-34.2	3.3

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

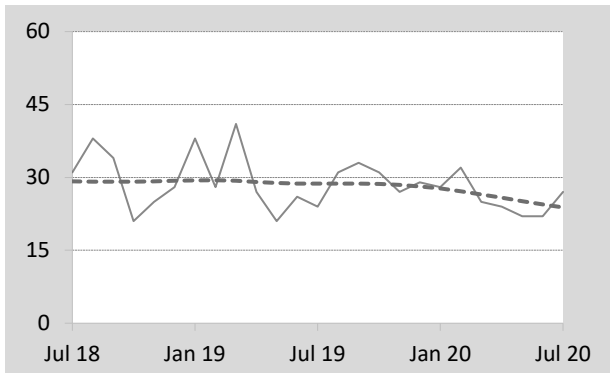


Figure 4.2 Vic

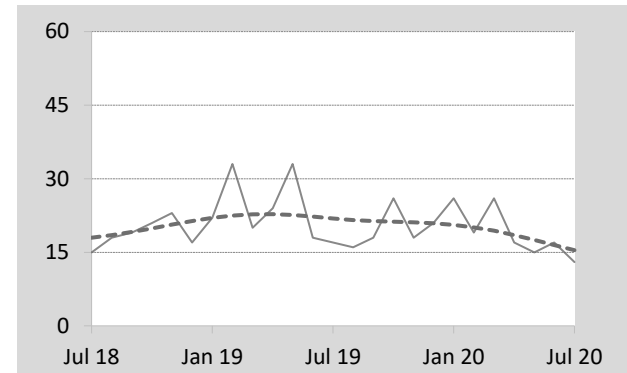


Figure 4.3 Qld

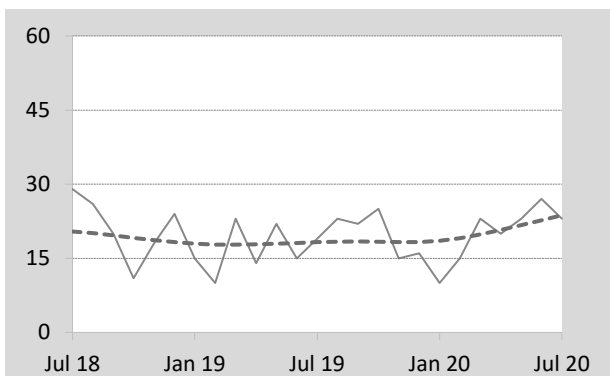


Figure 4.4 SA

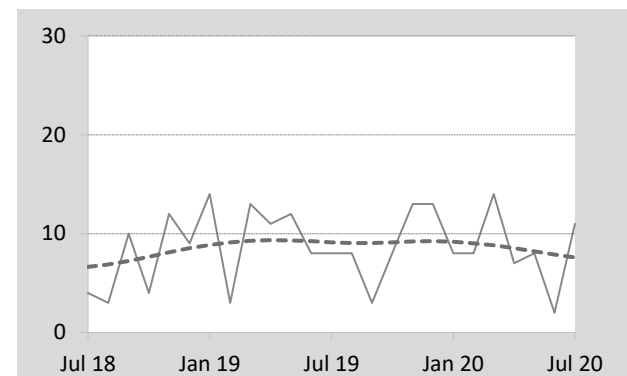


Figure 4.5 WA

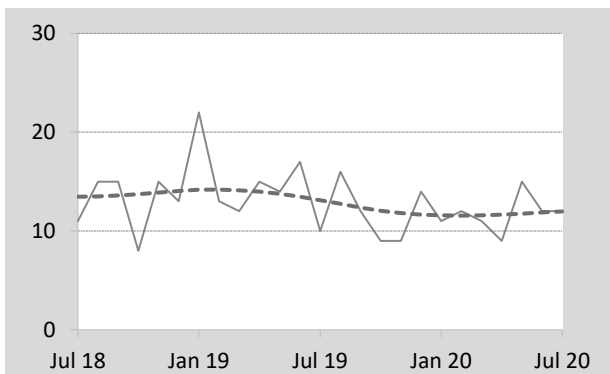


Figure 4.6 Tas

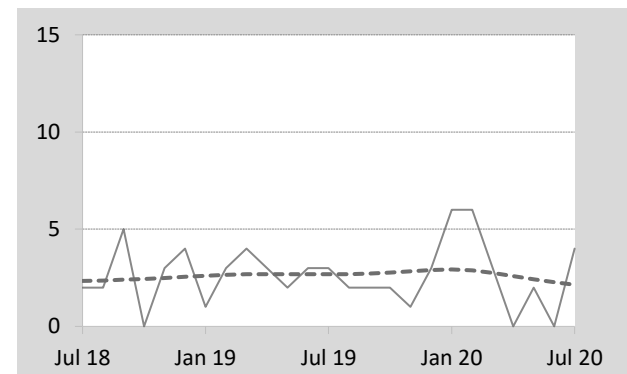


Figure 4.7 NT

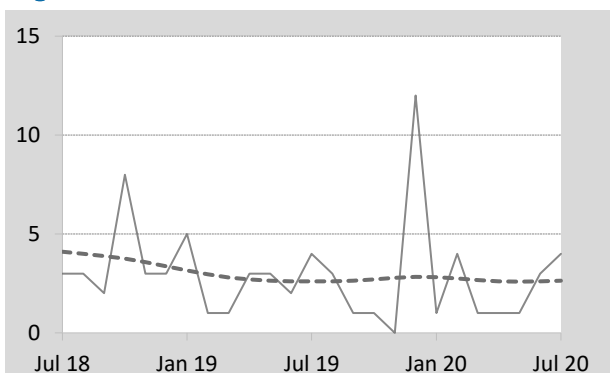
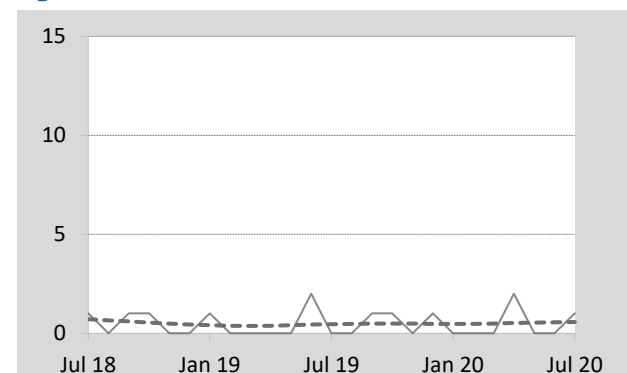


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended July	Crash type ^a		Posted speed limit						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2016	672	491	15	132	211	283	369	159	1,179
2017	616	508	29	131	215	260	342	149	1,134
2018	617	476	26	145	209	243	340	138	1,110
2019	655	426	17	129	186	229	351	175	1,096
2020	592	417	24	130	164	230	313	127	1,022
Latest per cent change	-9.6	-2.1	41.2	0.8	-11.8	0.4	-10.8	-27.4	-6.8
Average trend change per year (per cent)	-1.9	-4.9	4.1	-0.5	-6.3	-5.3	-3.0	-2.8	-3.1

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
2016	723	456	728	451
2017	709	425	708	426
2018	677	433	684	426
2019	672	424	674	422
2020	639	383	628	394
Latest per cent change	-4.9	-9.7	-6.8	-6.6
Average trend change per year (per cent)	-3.0	-3.5	-3.4	-2.8

a 'Single' and 'Multiple' refer to the number of vehicles involved in a fatal crash where there is no pedestrian killed.

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 September 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.