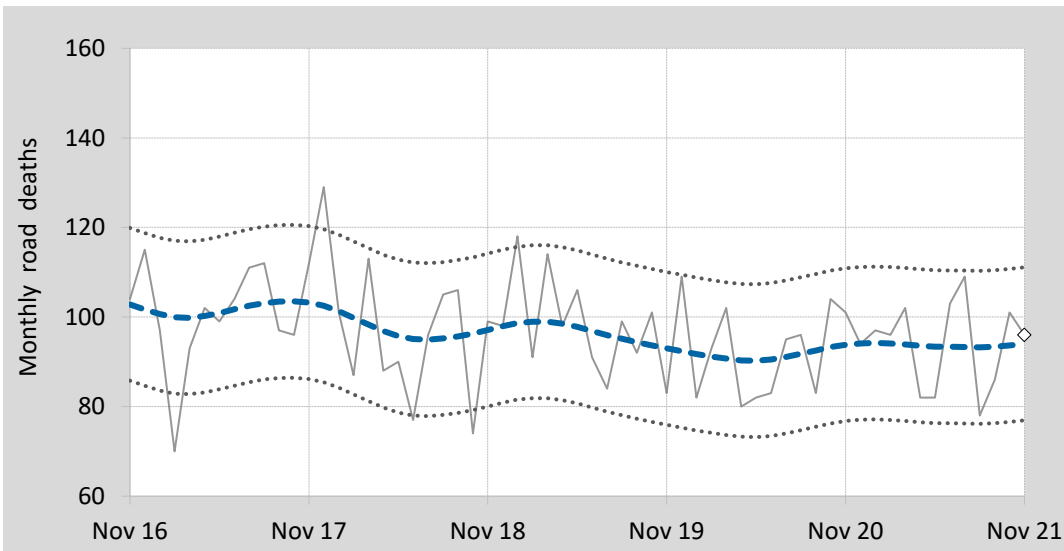




This month's key figures

- There was a total of 96 road deaths during the month of November 2021. The current figure is 3.8 per cent lower than the average for November over the previous five years.
- During the 12 months ended November 2021, there were 1,126 road deaths. This is an increase of 1.4 per cent from the 12-month period ending November 2020.
- Presently, the rate of annual deaths per 100,000 population stands at 4.4. This is a 1.6 per cent increase compared to the rate for the 12-month period ending November 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.

© Copyright. Commonwealth of Australia

I. Deaths by jurisdiction

Table 1.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
November 2020	24	15	24	14	19	2	3	0	101
November 2021	21	27	21	9	14	3	1	0	96
Per cent change	-12.5	80.0	-12.5	-35.7	-26.3	50.0	-66.7	0.0	-5.0

Table 1.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2020 - November 2020	262	195	248	85	144	35	26	6	1,001
January 2021 - November 2021	244	214	261	92	149	33	30	9	1,032
Per cent change	-6.9	9.7	5.2	8.2	3.5	-5.7	15.4	50.0	3.1

Table 1.3 Year ending November

12 months ended November	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	377	255	253	97	158	32	31	5	1,208
2018	359	225	245	80	165	31	51	9	1,165
2019	352	262	227	110	162	30	27	5	1,175
2020	291	216	264	98	158	38	38	7	1,110
2021	266	230	291	100	159	35	35	10	1,126
Latest per cent change	-8.6	6.5	10.2	2.0	0.6	-7.9	-7.9	42.9	1.4
Average trend change per year (per cent)	-8.7	-2.4	3.6	2.7	-0.3	3.9	-0.5	12.0	-1.9

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

Table 2.1 By road user

12 months ended November	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^a cyclist	Total ^b
2017	550	235	165	212	38	1,208
2018	547	206	167	204	33	1,165
2019	556	204	169	207	36	1,175
2020	542	193	136	189	46	1,110
2021	550	180	135	219	35	1,126
Latest per cent change	1.5	-6.7	-0.7	15.9	-23.9	1.4
Average trend change per year (per cent)	-0.1	-5.8	-5.9	-0.1	1.7	-1.9

Table 2.2 By age-group (years)

12 months ended November	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2017	57	240	248	376	115	172	1,208
2018	49	227	258	378	115	136	1,165
2019	47	240	241	366	110	169	1,175
2020	55	211	301	338	74	127	1,110
2021	62	214	248	353	108	137	1,126
Latest per cent change	12.7	1.4	-17.6	4.4	45.9	7.9	1.4
Average trend change per year (per cent)	2.9	-3.0	1.6	-2.4	-5.5	-5.1	-1.9

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

Table 2.3 By gender

12 months ended November	Males	Females	Total ^c
2017	895	312	1,208
2018	858	306	1,165
2019	895	280	1,175
2020	806	300	1,110
2021	847	276	1,126
<i>Latest per cent change</i>	5.1	-8.0	1.4
<i>Average trend change per year (per cent)</i>	-1.7	-2.6	-1.9

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 November

12 months ended November	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	4.79	4.03	5.14	5.62	6.14	6.13	12.58	1.21	4.91
2018	4.50	3.48	4.89	4.60	6.36	5.87	20.69	2.14	4.66
2019	4.35	3.97	4.46	6.27	6.18	5.61	10.99	1.17	4.63
2020	3.56	3.22	5.10	5.52	5.92	7.02	15.45	1.62	4.31
2021	3.25	3.46	5.58	5.64	5.93	6.45	14.15	2.31	4.38
<i>Latest per cent change</i>	-8.6	7.7	9.5	2.2	0.2	-8.1	-8.4	42.7	1.6
<i>Average trend change per year (per cent)</i>	-9.6	-3.8	2.1	1.9	-1.4	2.9	-0.6	10.7	-3.0

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	5.37	5.25	5.78	6.84	12.59	1.62	4.26
<i>Latest per cent change</i>	-20.3	-21.9	24.9	-19.2	-7.0	26.1	-13.9	15.3	-8.9

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

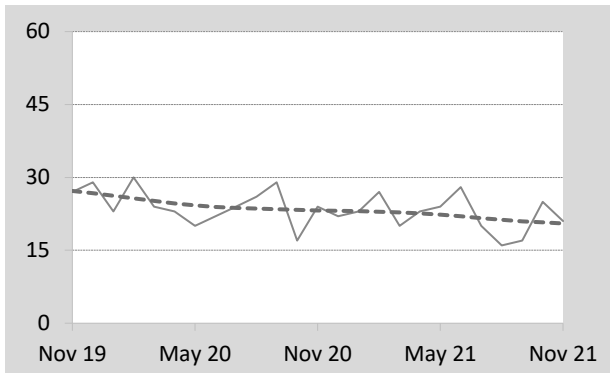


Figure 4.2 Vic

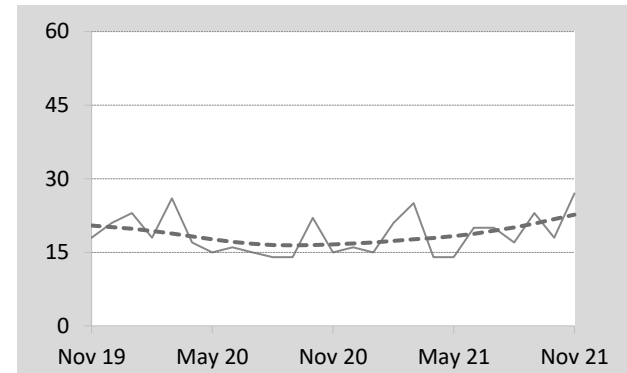


Figure 4.3 Qld

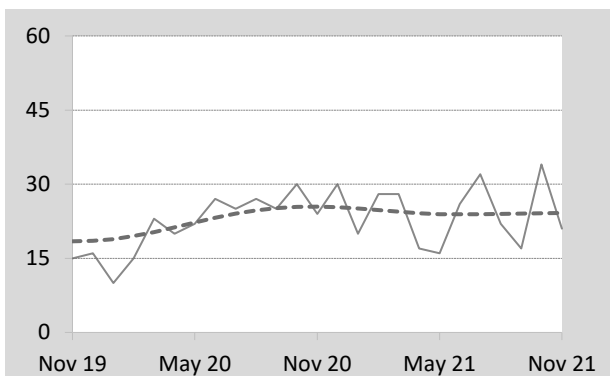


Figure 4.4 SA

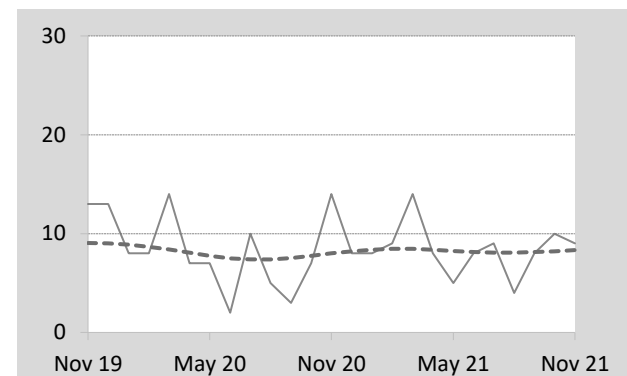


Figure 4.5 WA

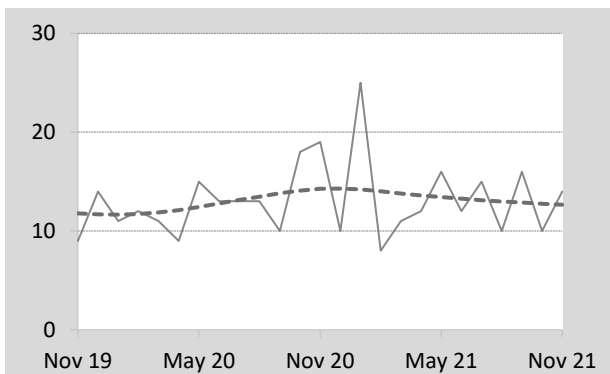


Figure 4.6 Tas

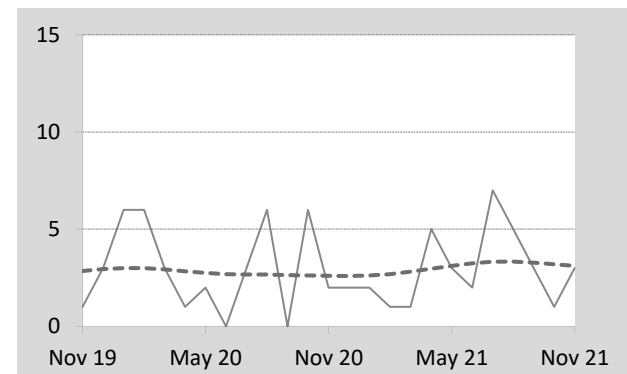


Figure 4.7 NT

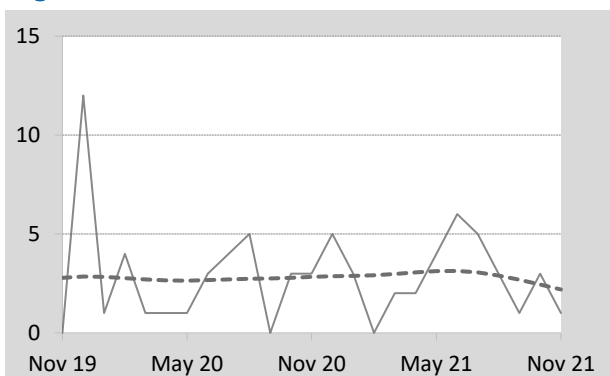
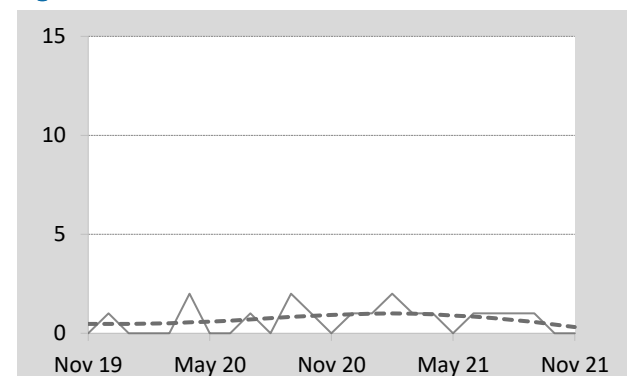


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended November	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2017	616	499	34	145	203	236	345	145	1,115
2018	643	438	17	133	193	240	342	146	1,081
2019	663	429	22	138	186	230	343	165	1,092
2020	578	428	17	121	170	240	328	125	1,006
2021	621	423	15	123	179	214	335	138	1,044
Latest per cent change	7.4	-1.2	-11.8	1.7	5.3	-10.8	2.1	10.4	3.8
Average trend change per year (per cent)	-0.9	-3.5	-15.1	-4.1	-3.7	-1.9	-1.0	-2.5	-2.0

Table 5.2 By Day of week and Time of day

12 months ended November	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2017	698	417	696	419
2018	650	431	672	409
2019	687	405	675	417
2020	598	408	602	404
2021	634	410	646	398
Latest per cent change	6.0	0.5	7.3	-1.5
Average trend change per year (per cent)	-2.7	-0.9	-2.6	-1.1

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 November 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.