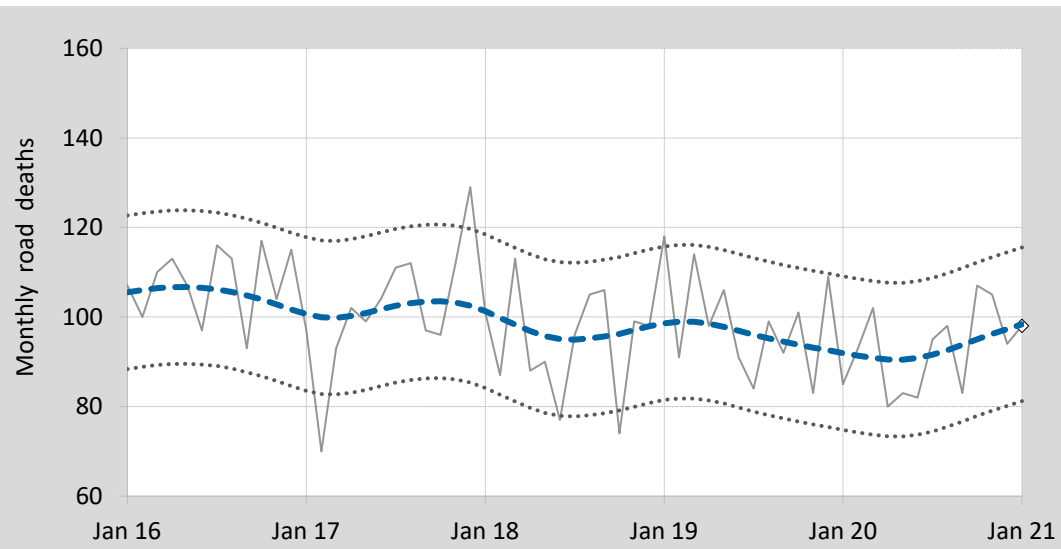




This month's key figures

- There was a total of 98 road deaths during the month of January 2021. The current figure is 3.5 per cent lower than the average for January over the previous five years.
- During the 12 months ended January 2021, there were 1,120 road deaths. This is a reduction of 2.9 per cent from the 12-month period ending January 2020.
- Presently, the rate of annual deaths per 100,000 population stands at 4.4. This is a 4.0 per cent reduction compared to the rate for the 12-month period ending January 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 1.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2020	26	23	10	8	11	6	1	0	85
January 2021	24	15	20	8	25	2	3	1	98
Per cent change	-7.7	-34.8	100.0	0.0	127.3	-66.7	200.0	-	15.3

Table 1.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2020 - January 2020	26	23	10	8	11	6	1	0	85
January 2021 - January 2021	24	15	20	8	25	2	3	1	98
Per cent change	-7.7	-34.8	100.0	0.0	127.3	-66.7	200.0	-	15.3

Table 1.3 Year ending January

12 months ended January	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	385	286	249	84	190	32	45	11	1,282
2018	396	262	240	100	156	36	31	5	1,226
2019	348	215	244	89	167	27	52	9	1,151
2020	341	267	214	108	152	34	32	5	1,153
2021	296	203	287	93	168	32	33	8	1,120
Latest per cent change	-13.2	-24.0	34.1	-13.9	10.5	-5.9	3.1	60.0	-2.9
Average trend change per year (per cent)	-6.5	-6.4	1.7	2.8	-2.7	-0.6	-5.7	-6.2	-3.3

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

Table 2.1 By road user

12 months ended January	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^a cyclist	Total ^b
2017	611	212	182	246	28	1,282
2018	572	235	165	205	40	1,226
2019	530	206	173	201	35	1,151
2020	552	200	158	200	40	1,153
2021	549	177	141	201	45	1,120
Latest per cent change	-0.5	-11.5	-10.8	0.5	12.5	-2.9
Average trend change per year (per cent)	-2.5	-5.1	-5.4	-4.2	10.0	-3.3

Table 2.2 By age-group (years)

12 months ended January	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2017	62	265	285	404	104	162	1,282
2018	45	244	237	399	121	179	1,226
2019	56	224	270	355	111	132	1,151
2020	43	229	261	355	102	163	1,153
2021	61	214	291	342	78	129	1,120
Latest per cent change	41.9	-6.6	11.5	-3.7	-23.5	-20.9	-2.9
Average trend change per year (per cent)	-0.8	-4.8	1.4	-4.4	-7.2	-5.3	-3.3

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

Table 2.3 By gender

12 months ended January	Males	Females	Total ^c
2017	939	342	1,282
2018	900	326	1,226
2019	866	284	1,151
2020	880	273	1,153
2021	816	299	1,120
<i>Latest per cent change</i>	-7.3	9.5	-2.9
<i>Average trend change per year (per cent)</i>	-3.0	-4.4	-3.3

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 January

12 months ended January	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	4.97	4.62	5.13	4.90	7.43	6.18	18.29	2.73	5.29
2018	5.03	4.14	4.86	5.80	6.06	6.89	12.51	1.21	4.98
2019	4.36	3.32	4.86	5.12	6.43	5.11	21.04	2.14	4.60
2020	4.21	4.04	4.20	6.16	5.79	6.36	12.99	1.17	4.54
2021	3.63	3.03	5.54	5.25	6.31	5.92	13.41	1.85	4.36
<i>Latest per cent change</i>	-14.0	-25.0	32.1	-14.7	9.0	-6.9	3.2	58.2	-4.0
<i>Average trend change per year (per cent)</i>	-7.8	-8.3	0.1	2.0	-3.7	-1.7	-5.7	-7.7	-4.7

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	3.65	3.15	5.35	5.26	5.79	6.66	12.60	1.62	4.31
<i>Latest per cent change</i>	-16.4	-21.8	24.5	-19.2	-6.9	22.8	-13.8	15.4	-7.8

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

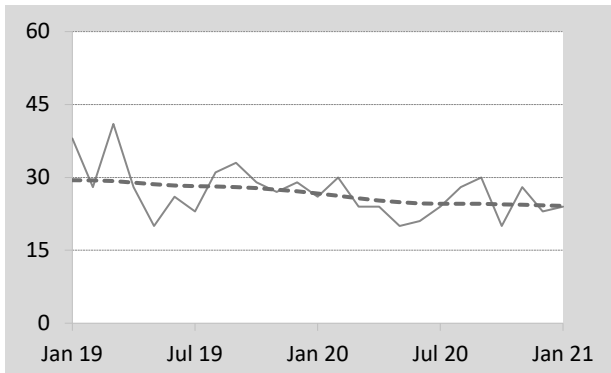


Figure 4.2 Vic

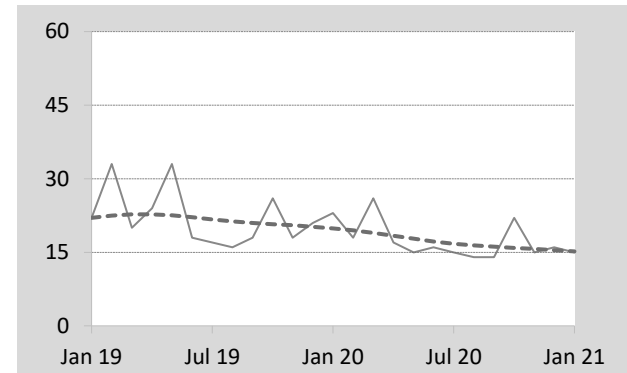


Figure 4.3 Qld

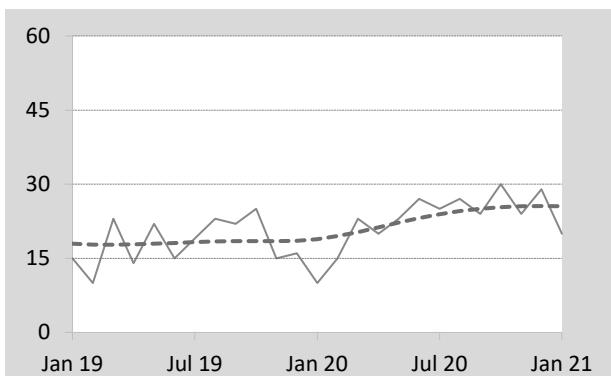


Figure 4.4 SA

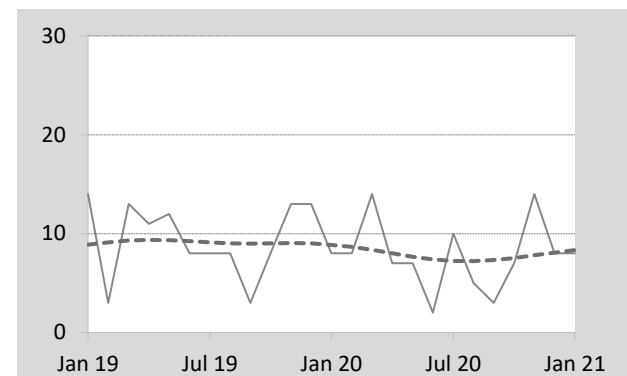


Figure 4.5 WA

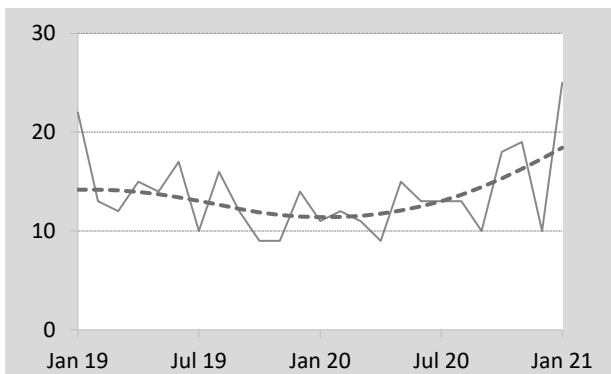


Figure 4.6 Tas

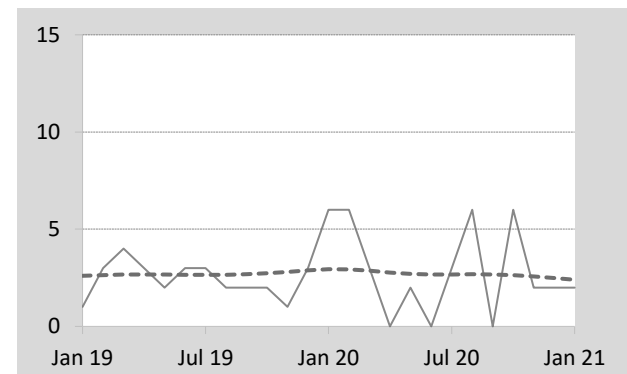


Figure 4.7 NT

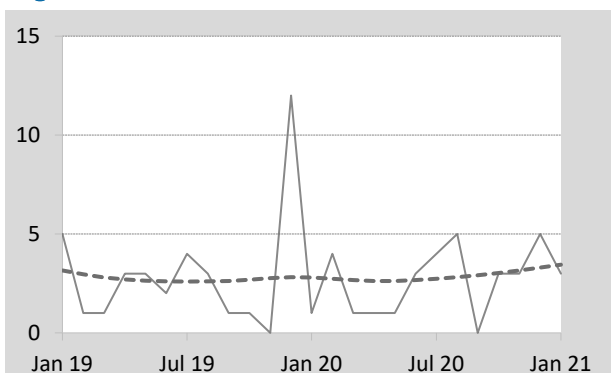
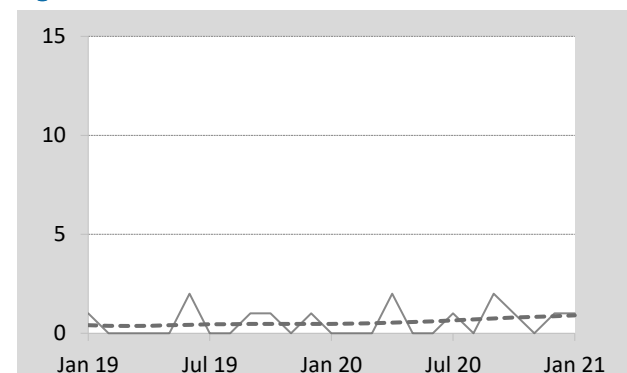


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended January	Crash type ^a		Posted speed limit						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2017	668	521	18	133	212	296	367	152	1,189
2018	633	498	35	154	208	235	351	142	1,131
2019	658	411	18	133	190	235	329	156	1,069
2020	633	434	21	128	182	226	341	160	1,067
2021	586	437	18	132	169	235	325	120	1,023
Latest per cent change	-7.4	0.7	-14.3	3.1	-7.1	4.0	-4.7	-25.0	-4.1
Average trend change per year (per cent)	-2.6	-4.8	-5.0	-2.0	-5.7	-4.9	-2.7	-3.5	-3.5

Table 5.2 By Day of week and Time of day

12 months ended January	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2017	715	474	710	479
2018	713	418	724	407
2019	643	426	652	417
2020	676	391	660	407
2021	598	425	614	409
Latest per cent change	-11.5	8.7	-7.0	0.5
Average trend change per year (per cent)	-4.0	-2.8	-3.8	-3.1

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 January 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.