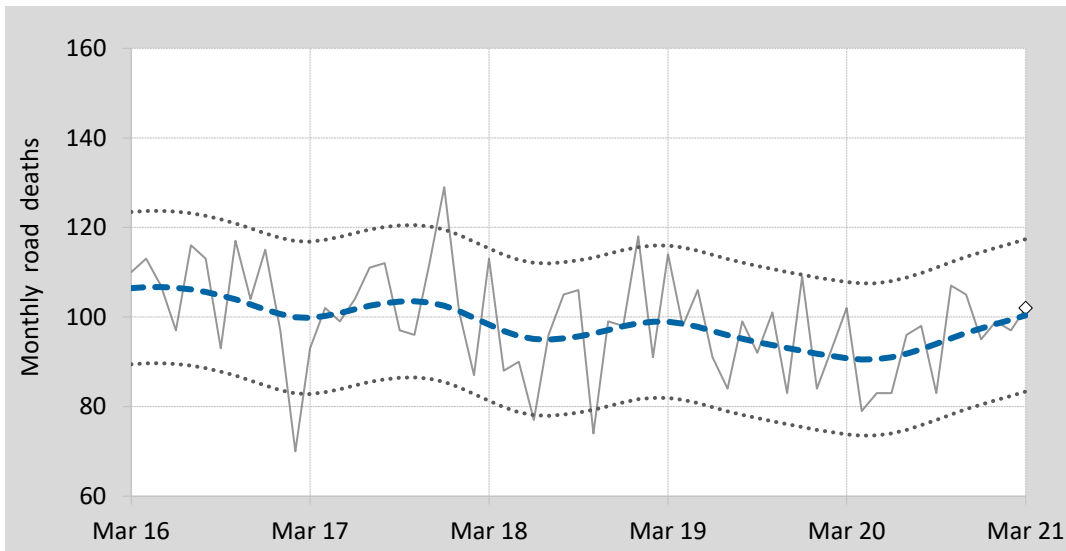




This month's key figures

- There was a total of 102 road deaths during the month of March 2021. The current figure is 4.1 per cent lower than the average for March over the previous five years.
- During the 12 months ended March 2021, there were 1,127 road deaths. This is a reduction of 1.3 per cent from the 12-month period ending March 2020.
- Presently, the rate of annual deaths per 100,000 population stands at 4.4. This is a 2.2 per cent reduction compared to the rate for the 12-month period ending March 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
March 2020	24	26	23	14	11	3	1	0	102
March 2021	19	27	27	15	10	1	2	1	102
Per cent change	-20.8	3.8	17.4	7.1	-9.1	-66.7	100.0	-	0.0

Table 1.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2020 - March 2020	79	67	48	30	34	15	6	0	279
January 2021 - March 2021	73	63	74	32	43	4	5	4	298
Per cent change	-7.6	-6.0	54.2	6.7	26.5	-73.3	-16.7	-	6.8

Table 1.3 Year ending March

12 months ended March	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	367	268	250	84	178	32	44	12	1,235
2018	406	258	256	102	160	38	38	5	1,263
2019	361	232	229	91	166	28	42	7	1,156
2020	325	258	219	114	150	36	35	5	1,142
2021	292	207	304	95	163	25	30	11	1,127
Latest per cent change	-10.2	-19.8	38.8	-16.7	8.7	-30.6	-14.3	120.0	-1.3
Average trend change per year (per cent)	-6.6	-5.0	2.4	3.6	-2.4	-5.3	-8.1	-1.7	-2.8

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

Table 2.1 By road user

12 months ended March	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^a cyclist	Total ^b
2017	600	211	172	226	21	1,235
2018	583	235	181	212	43	1,263
2019	525	211	170	208	37	1,156
2020	556	196	159	187	41	1,142
2021	560	175	129	220	38	1,127
Latest per cent change	0.7	-10.7	-18.9	17.6	-7.3	-1.3
Average trend change per year (per cent)	-1.8	-5.4	-6.8	-1.8	12.1	-2.8

Table 2.2 By age-group (years)

12 months ended March	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2017	70	255	276	390	92	152	1,235
2018	44	248	248	412	131	179	1,263
2019	56	214	257	370	114	142	1,156
2020	44	240	263	336	98	161	1,142
2021	62	203	295	351	87	121	1,127
Latest per cent change	40.9	-15.4	12.2	4.5	-11.2	-24.8	-1.3
Average trend change per year (per cent)	-2.4	-4.8	1.9	-4.1	-3.9	-5.5	-2.8

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

Table 2.3 By gender

12 months ended March	Males	Females	Total ^c
2017	909	325	1,235
2018	919	344	1,263
2019	869	286	1,156
2020	872	270	1,142
2021	825	294	1,127
<i>Latest per cent change</i>	-5.4	8.9	-1.3
<i>Average trend change per year (per cent)</i>	-2.4	-4.3	-2.8

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 March

12 months ended March	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	4.72	4.32	5.14	4.89	6.95	6.17	17.85	2.96	5.08
2018	5.14	4.06	5.18	5.91	6.20	7.25	15.35	1.21	5.11
2019	4.50	3.57	4.55	5.23	6.38	5.28	17.00	1.66	4.61
2020	4.00	3.89	4.28	6.49	5.69	6.72	14.22	1.17	4.48
2021	3.58	3.10	5.86	5.37	6.11	4.62	12.17	2.55	4.39
<i>Latest per cent change</i>	-10.7	-20.3	37.0	-17.3	7.3	-31.2	-14.4	118.3	-2.2
<i>Average trend change per year (per cent)</i>	-7.7	-6.8	0.7	2.8	-3.4	-6.3	-8.1	-3.2	-4.2

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	5.37	5.25	5.78	6.66	12.59	1.62	4.31
<i>Latest per cent change</i>	-16.4	-21.9	24.9	-19.2	-7.0	22.7	-13.9	15.3	-7.8

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

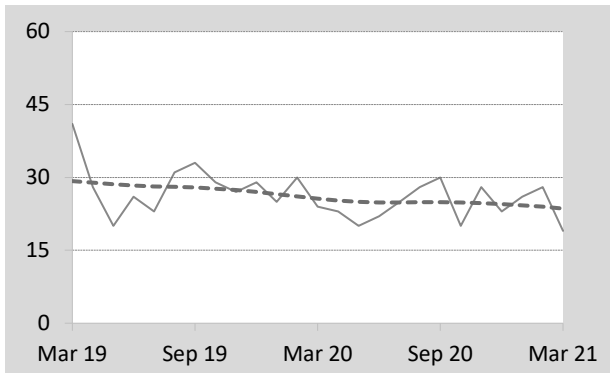


Figure 4.2 Vic

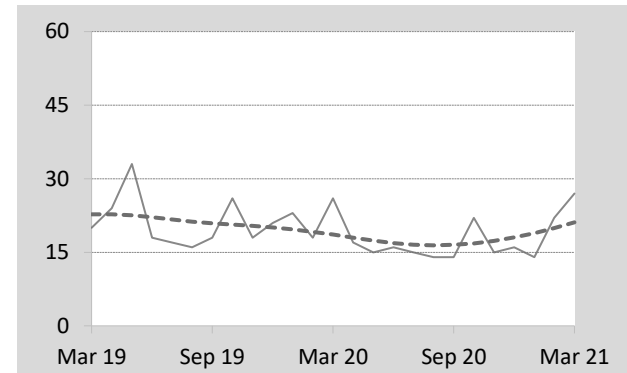


Figure 4.3 Qld

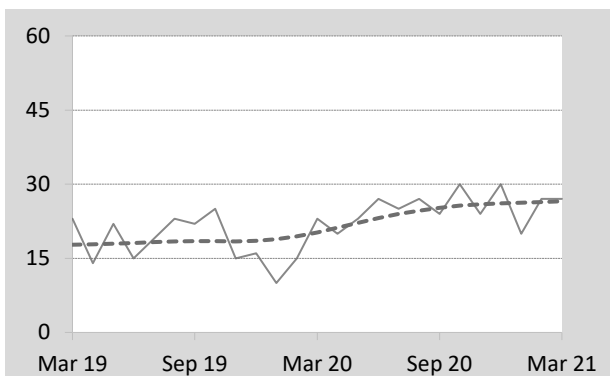


Figure 4.4 SA

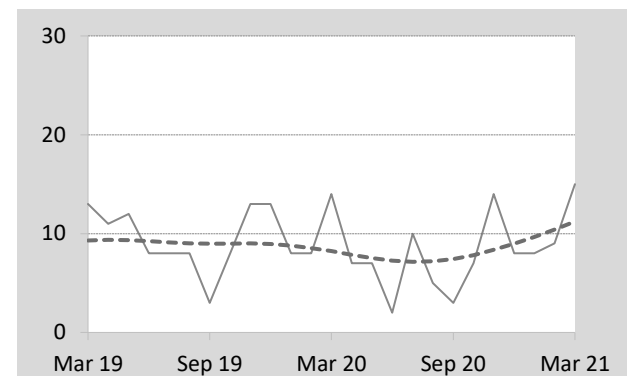


Figure 4.5 WA

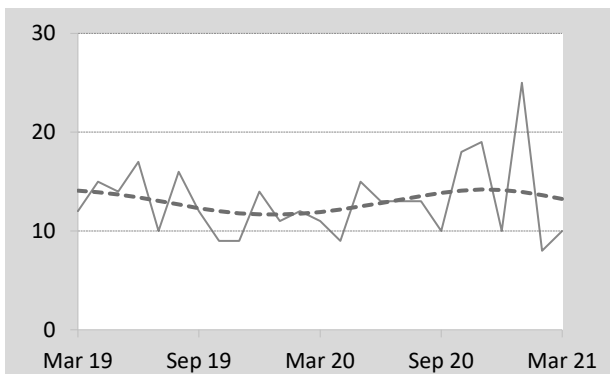


Figure 4.6 Tas

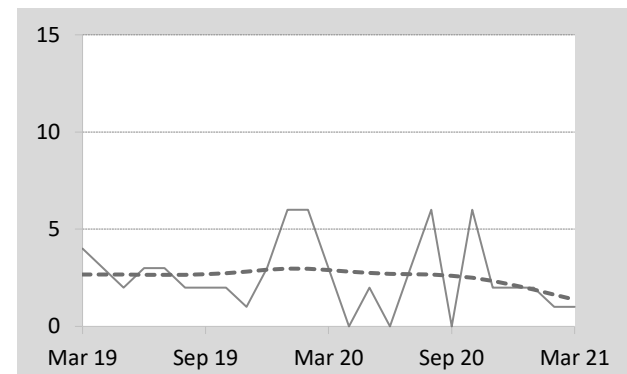


Figure 4.7 NT

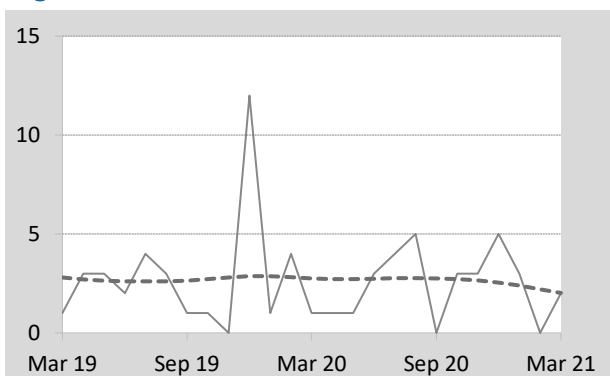
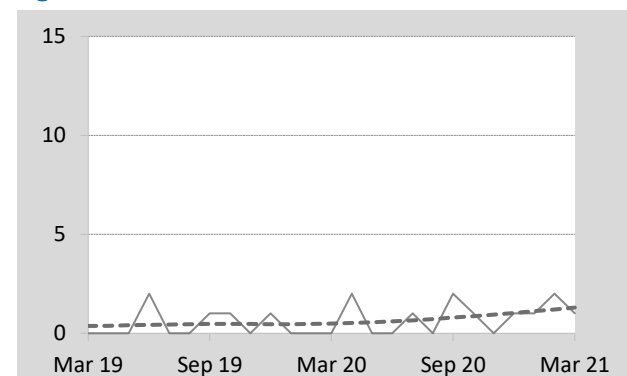


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended March	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2017	649	502	22	123	199	287	363	147	1,151
2018	645	515	35	162	222	255	341	138	1,160
2019	664	406	16	125	187	221	346	167	1,070
2020	629	429	22	137	178	227	335	152	1,058
2021	581	454	16	121	163	242	327	115	1,035
Latest per cent change	-7.6	5.8	-27.3	-11.7	-8.4	6.6	-2.4	-24.3	-2.2
Average trend change per year (per cent)	-2.4	-3.8	-10.4	-2.0	-6.0	-4.5	-2.2	-3.9	-3.0

Table 5.2 By Day of week and Time of day

12 months ended March	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2017	694	457	682	469
2018	720	440	739	421
2019	649	421	659	411
2020	665	393	644	414
2021	600	435	628	407
Latest per cent change	-9.8	10.7	-2.5	-1.7
Average trend change per year (per cent)	-3.6	-2.1	-3.0	-3.0

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 March 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.