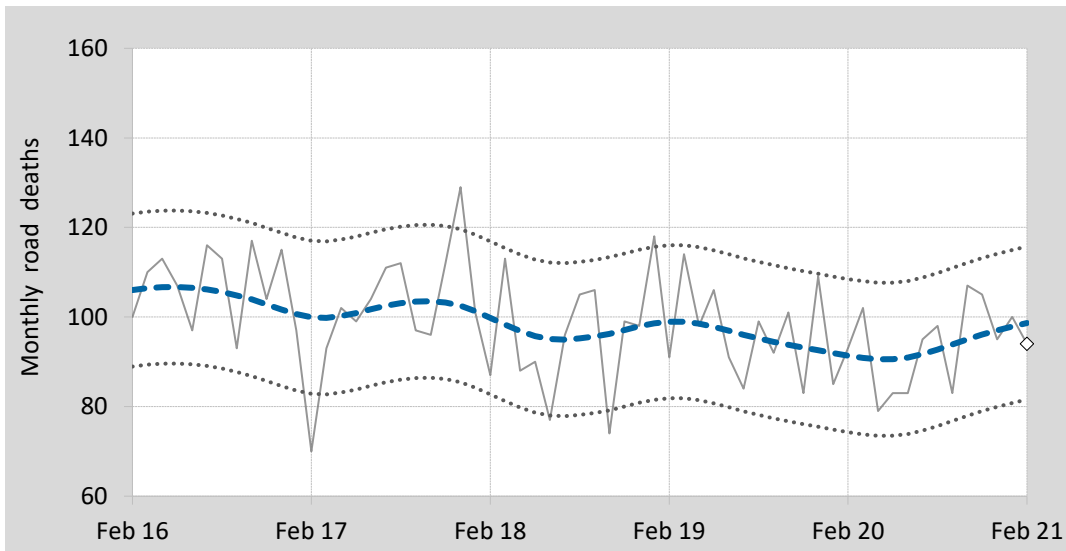




This month's key figures

- There was a total of 94 road deaths during the month of February 2021. The current figure is 6.6 per cent higher than the average for February over the previous five years.
- During the 12 months ended February 2021, there were 1,124 road deaths. This is a reduction of 2.7 per cent from the 12-month period ending February 2020.
- Presently, the rate of annual deaths per 100,000 population stands at 4.4. This is a 3.8 per cent reduction compared to the rate for the 12-month period ending February 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 I.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
February 2020	30	18	15	8	12	6	4	0	93
February 2021	27	21	26	9	8	1	0	2	94
Per cent change	-10.0	16.7	73.3	12.5	-33.3	-83.3	-100.0	-	1.1

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
February 2020 - February 2020	56	41	25	16	23	12	5	0	178
February 2021 - February 2021	53	36	46	17	33	3	3	3	194
Per cent change	-5.4	-12.2	84.0	6.3	43.5	-75.0	-40.0	-	9.0

Table I.3 Year ending February

12 months ended February	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	371	271	251	84	185	33	45	12	1,252
2018	410	259	241	99	160	37	31	6	1,243
2019	344	233	235	89	169	28	50	7	1,155
2020	343	252	219	113	151	37	35	5	1,155
2021	295	206	299	94	164	27	29	10	1,124
Latest per cent change	-14.0	-18.3	36.5	-16.8	8.6	-27.0	-17.1	100.0	-2.7
Average trend change per year (per cent)	-6.2	-5.6	2.6	3.6	-2.9	-3.9	-7.3	-5.3	-2.8

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

Table 2.1 By road user

12 months ended February	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^a cyclist	Total ^b
2017	617	209	172	228	23	1,252
2018	572	232	175	214	41	1,243
2019	528	205	174	202	39	1,155
2020	553	205	162	192	41	1,155
2021	555	176	129	215	42	1,124
Latest per cent change	0.4	-14.1	-20.4	12.0	2.4	-2.7
Average trend change per year (per cent)	-2.4	-4.6	-6.3	-2.2	12.8	-2.8

Table 2.2 By age-group (years)

12 months ended February	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2017	65	260	273	395	95	164	1,252
2018	45	243	247	407	125	175	1,243
2019	56	222	266	353	113	142	1,155
2020	45	228	265	360	99	158	1,155
2021	63	216	293	339	83	124	1,124
Latest per cent change	40.0	-5.3	10.6	-5.8	-16.2	-21.5	-2.7
Average trend change per year (per cent)	-0.6	-4.3	2.1	-4.2	-4.9	-6.4	-2.8

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

Table 2.3 By gender

12 months ended February	Males	Females	Total ^c
2017	921	330	1,252
2018	915	328	1,243
2019	868	286	1,155
2020	881	274	1,155
2021	822	296	1,124
<i>Latest per cent change</i>	-6.7	8.0	-2.7
<i>Average trend change per year (per cent)</i>	-2.6	-3.9	-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 February

12 months ended February	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	4.79	4.37	5.17	4.90	7.24	6.37	18.26	2.97	5.16
2018	5.20	4.08	4.88	5.74	6.21	7.07	12.49	1.45	5.04
2019	4.30	3.59	4.68	5.12	6.51	5.29	20.21	1.66	4.61
2020	4.24	3.81	4.29	6.44	5.75	6.91	14.20	1.17	4.54
2021	3.61	3.08	5.77	5.31	6.16	4.99	11.77	2.32	4.37
<i>Latest per cent change</i>	-14.7	-19.3	34.5	-17.5	7.2	-27.8	-17.1	97.8	-3.8
<i>Average trend change per year (per cent)</i>	-7.4	-7.4	0.9	2.8	-3.9	-5.0	-7.2	-6.9	-4.3

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	5.26	5.79	6.66	12.60	1.62	4.31
<i>Latest per cent change</i>	-16.4	-21.8	25.0	-19.2	-6.9	22.8	-13.8	15.4	-7.7

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

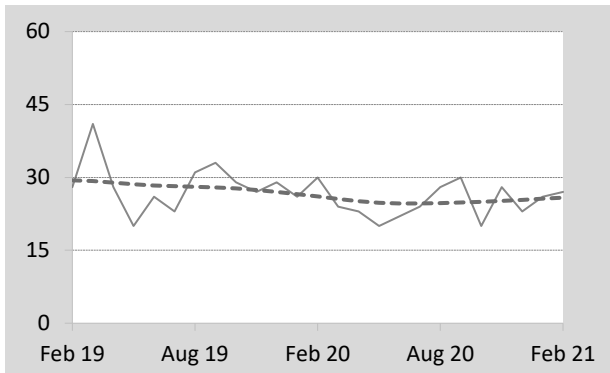


Figure 4.2 Vic

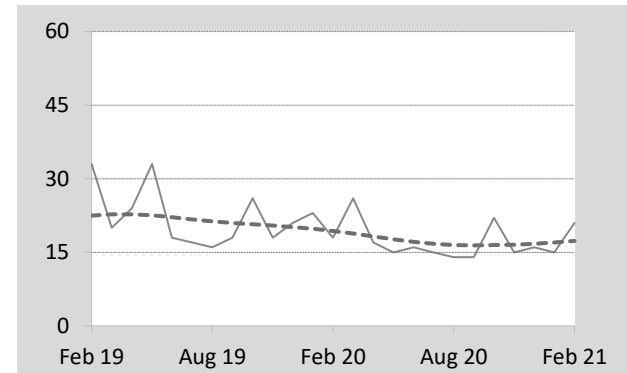


Figure 4.3 Qld

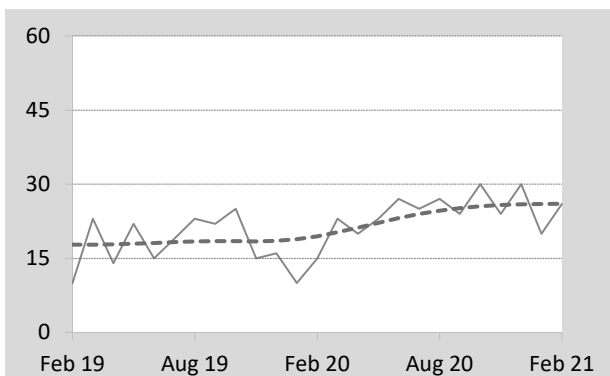


Figure 4.4 SA

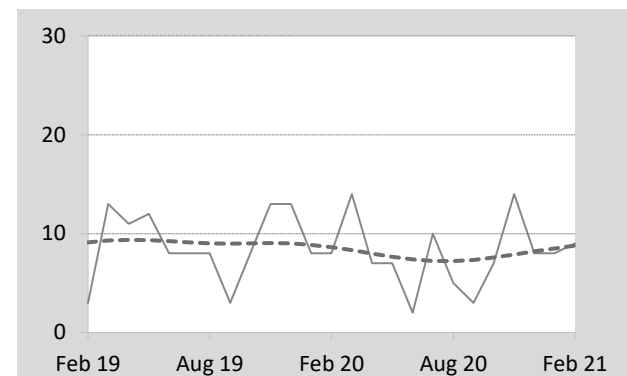


Figure 4.5 WA

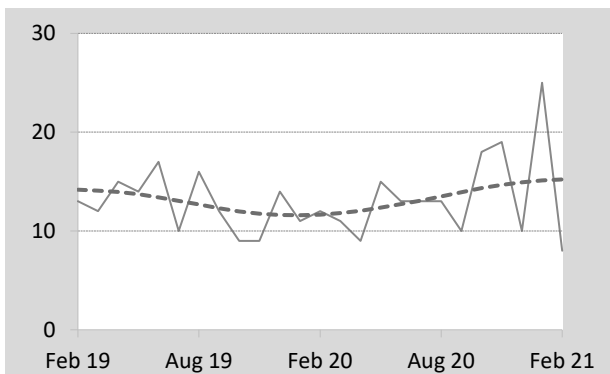


Figure 4.6 Tas

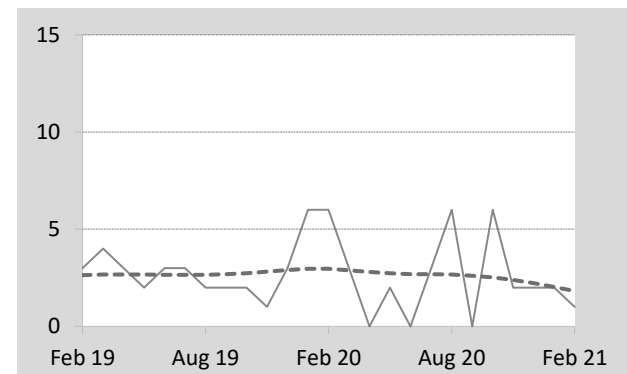


Figure 4.7 NT

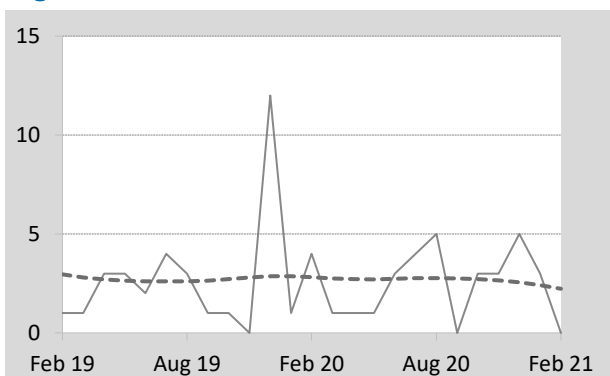
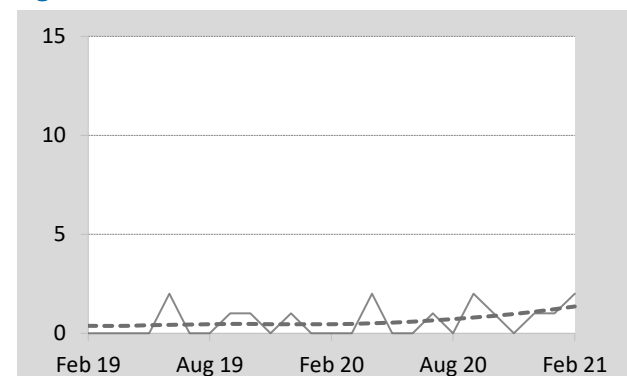


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended February	Crash type ^a		Posted speed limit						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2017	648	513	19	124	202	293	357	156	1,161
2018	643	501	35	161	213	247	343	138	1,144
2019	663	412	17	131	189	231	339	159	1,075
2020	629	433	22	132	181	223	340	157	1,062
2021	590	443	16	126	172	241	329	117	1,033
Latest per cent change	-6.2	2.3	-27.3	-4.5	-5.0	8.1	-3.2	-25.5	-2.7
Average trend change per year (per cent)	-2.1	-4.3	-7.8	-1.7	-4.7	-4.8	-1.7	-4.4	-3.0

Table 5.2 By Day of week and Time of day

12 months ended February	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2017	698	463	694	467
2018	719	425	731	413
2019	652	423	657	418
2020	669	393	651	411
2021	601	432	620	413
Latest per cent change	-10.2	9.9	-4.8	0.5
Average trend change per year (per cent)	-3.6	-2.1	-3.4	-2.5

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 February 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.