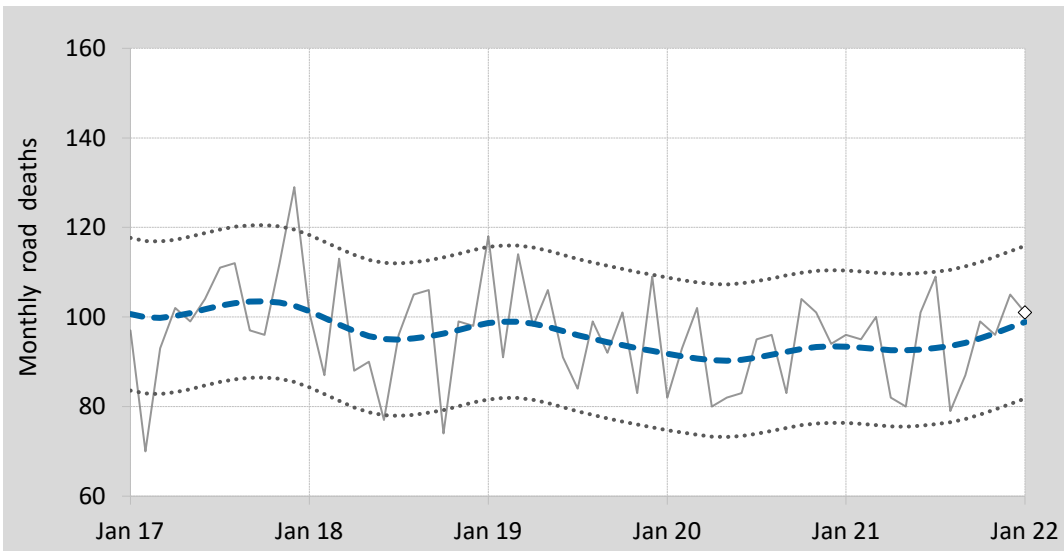




This month's key figures

- There was a total of 101 road deaths during the month of January 2022. The current figure is 2.2 per cent higher than the average for January over the previous five years.
- During the 12 months ended January 2022, there were 1,134 road deaths. This is an increase of 2.3 per cent from the 12-month period ending January 2021.
- Presently, the rate of annual deaths per 100,000 population stands at 4.4. This is a 2.1 per cent increase compared to the rate for the 12-month period ending January 2021.

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 2021	23	14	20	8	25	2	3	1	96
January 2022	34	25	20	4	10	3	3	2	101
Per cent change	47.8	78.6	0.0	-50.0	-60.0	50.0	0.0	100.0	5.2

Table 1.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2021 - January 2021	23	14	20	8	25	2	3	1	96
January 2022 - January 2022	34	25	20	4	10	3	3	2	101
Per cent change	47.8	78.6	0.0	-50.0	-60.0	50.0	0.0	100.0	5.2

Table 1.3 Year ending January

12 months ended January	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	396	262	240	100	156	36	31	5	1,226
2019	348	215	244	89	167	27	52	9	1,151
2020	338	267	214	108	152	34	32	5	1,150
2021	284	202	288	93	168	33	33	8	1,109
2022	282	248	275	95	151	36	35	12	1,134
Latest per cent change	-0.7	22.8	-4.5	2.2	-10.1	9.1	6.1	50.0	2.3
Average trend change per year (per cent)	-8.4	-1.7	4.5	-0.6	-0.6	2.0	-2.1	17.7	-1.9

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
2018	572	235	165	205	40	1,226
2019	530	206	173	201	35	1,151
2020	550	200	158	199	40	1,150
2021	540	178	141	202	43	1,109
2022	544	187	126	231	38	1,134
Latest per cent change	0.7	5.1	-10.6	14.4	-11.6	2.3
Average trend change per year (per cent)	-0.8	-5.9	-7.2	2.5	1.0	-1.9

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
2018	45	244	237	399	121	179	1,226
2019	56	224	270	355	111	132	1,151
2020	43	228	260	354	102	163	1,150
2021	60	214	290	335	79	127	1,109
2022	63	215	227	366	116	139	1,134
Latest per cent change	5.0	0.5	-21.7	9.3	46.8	9.4	2.3
Average trend change per year (per cent)	7.7	-2.9	-0.1	-2.3	-4.2	-5.3	-1.9

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

Table 2.3 By gender

12 months ended January	Males	Females	Total ^c
2018	900	326	1,226
2019	866	284	1,151
2020	877	273	1,150
2021	803	302	1,109
2022	855	276	1,134
<i>Latest per cent change</i>	6.5	-8.6	2.3
<i>Average trend change per year (per cent)</i>	-1.8	-2.7	-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 January

12 months ended January	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
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	4.18	4.04	4.20	6.16	5.79	6.36	12.99	1.17	4.53
2021	3.48	3.02	5.56	5.25	6.30	6.10	13.39	1.85	4.31
2022	3.44	3.73	5.26	5.36	5.63	6.65	14.21	2.77	4.40
<i>Latest per cent change</i>	-1.0	23.6	-5.4	2.0	-10.7	9.0	6.1	49.7	2.1
<i>Average trend change per year (per cent)</i>	-9.4	-3.0	3.0	-1.3	-1.7	1.1	-1.9	16.3	-3.0

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
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	6.85	12.59	1.62	4.26
2021	3.31	3.56	5.27	5.58	6.19	6.46	14.21	2.54	4.39
<i>Latest per cent change</i>	-4.8	13.1	-1.9	6.3	7.1	-5.6	12.9	56.8	2.9

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

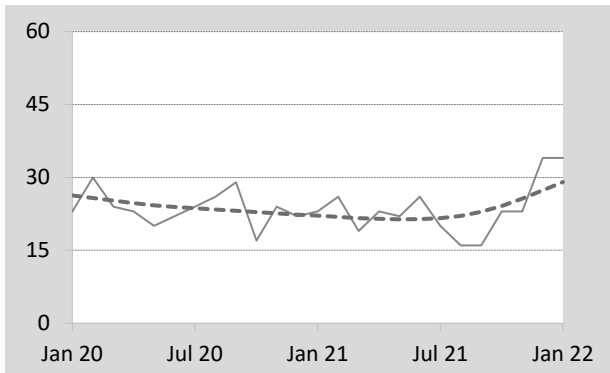


Figure 4.2 Vic

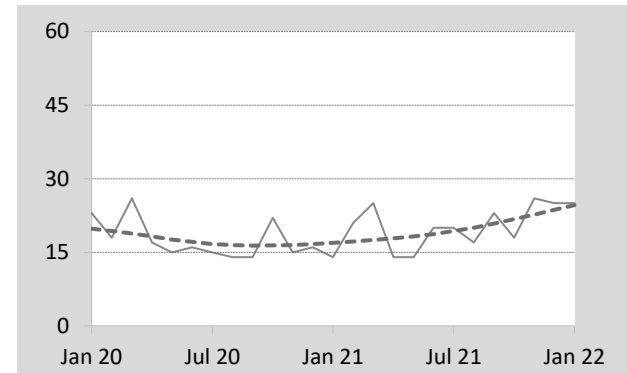


Figure 4.3 Qld

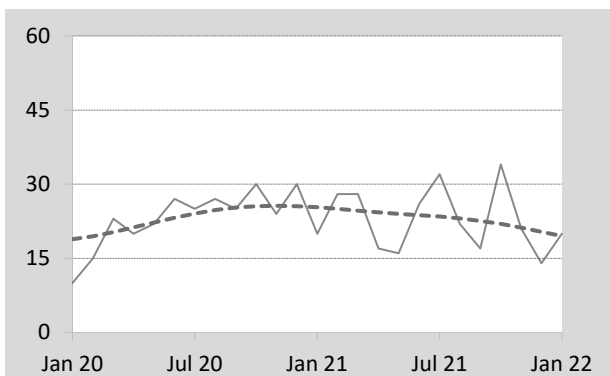


Figure 4.4 SA

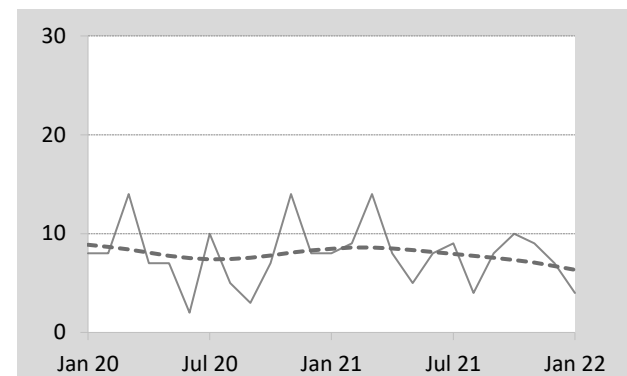


Figure 4.5 WA

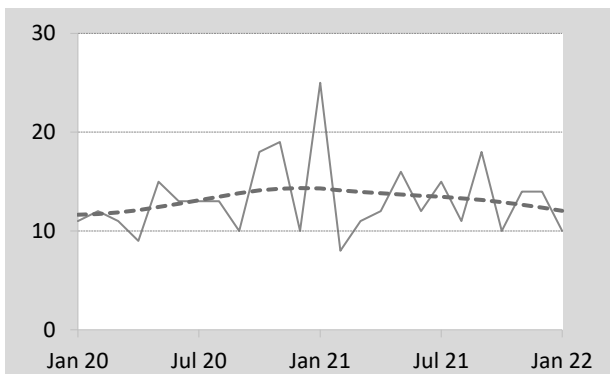


Figure 4.6 Tas

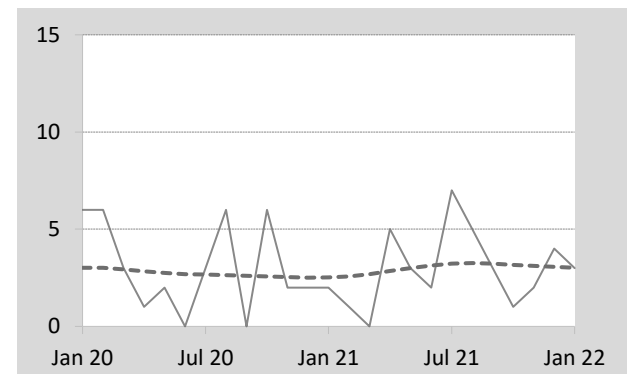


Figure 4.7 NT

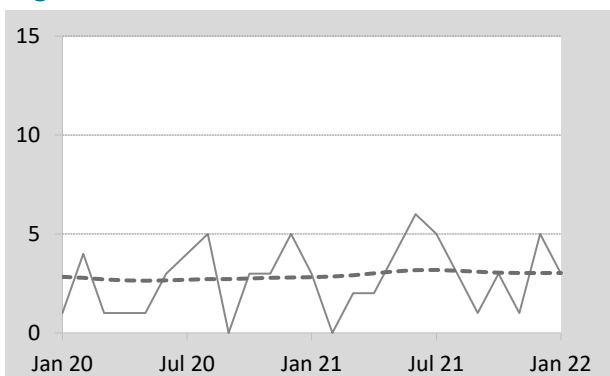
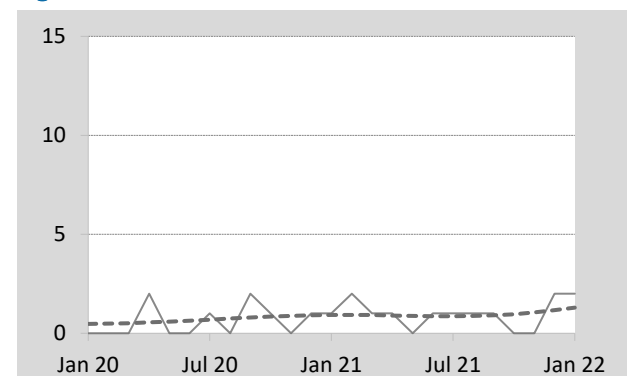


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended January	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2018	633	498	35	154	208	235	351	142	1,131
2019	658	411	18	133	190	235	329	156	1,069
2020	631	433	21	128	181	226	339	160	1,064
2021	579	433	17	127	166	246	330	119	1,012
2022	628	427	18	117	184	221	327	140	1,056
Latest per cent change	8.5	-1.4	5.9	-7.9	10.8	-10.2	-0.9	17.6	4.3
Average trend change per year (per cent)	-1.4	-2.5	-13.0	-5.8	-3.7	-0.8	-1.4	-2.9	-1.9

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
2018	713	418	724	407
2019	643	426	652	417
2020	675	389	658	406
2021	594	418	610	402
2022	651	405	653	403
Latest per cent change	9.6	-3.1	7.0	0.2
Average trend change per year (per cent)	-2.6	-0.8	-2.7	-0.6

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.

6. Supplementary data — Christmas 2021

This month's supplementary section presents an analysis of a 12-day Christmas period. There is no uniformly defined 'Christmas holiday period' amongst Australia's road safety authorities. In some or all jurisdictions, there are defined periods of more stringent road safety enforcement, but the types and start-finish dates vary.

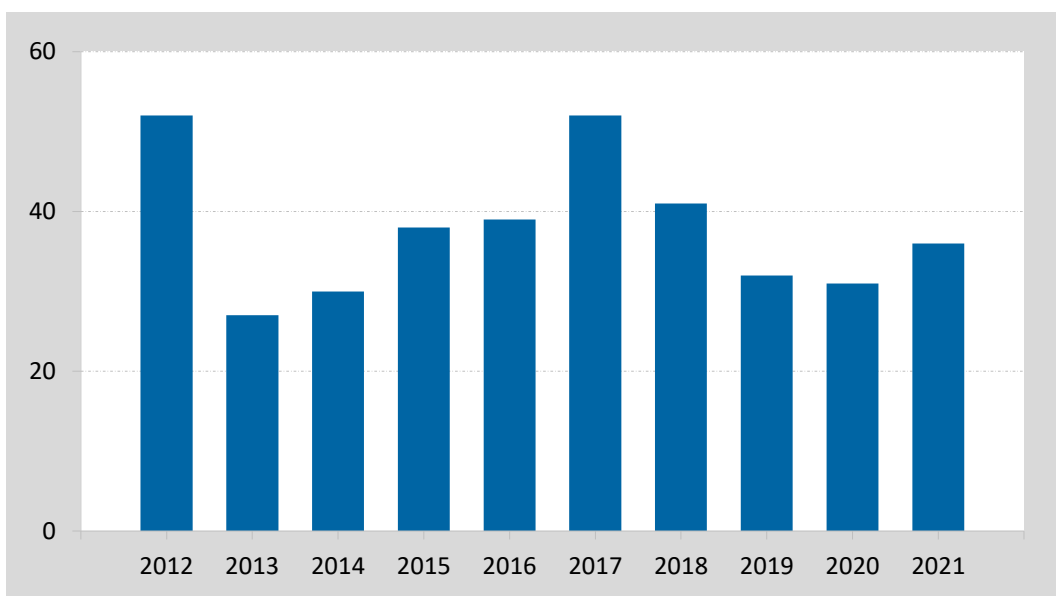
The following analysis is based on a fixed 12-day period starting on December 23rd and finishing on January 3rd each year, referred to here as the 'Christmas period'.

Data for recent Christmas periods is preliminary and is subject to revision by jurisdictions.

Table 6.1 Fatalities during the Christmas period

	<i>NSW</i>	<i>Vic</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas</i>	<i>NT</i>	<i>ACT</i>	<i>Australia</i>
2012	16	10	6	7	8	3	2	0	52
2013	8	4	4	1	6	2	1	1	27
2014	7	5	4	9	3	2	0	0	30
2015	12	8	7	2	2	4	1	2	38
2016	12	8	6	4	8	0	1	0	39
2017	21	12	10	3	5	0	0	1	52
2018	8	5	13	6	3	5	1	0	41
2019	10	9	1	5	2	0	5	0	32
2020	7	7	10	4	1	1	1	0	31
2021	8	14	4	2	5	2	0	1	36

Figure 6.1 Fatalities during the Christmas period — Australia



6. Supplementary data — Christmas 2021 (continued)

Figure 6.2 Fatalities during Christmas period — by jurisdiction

