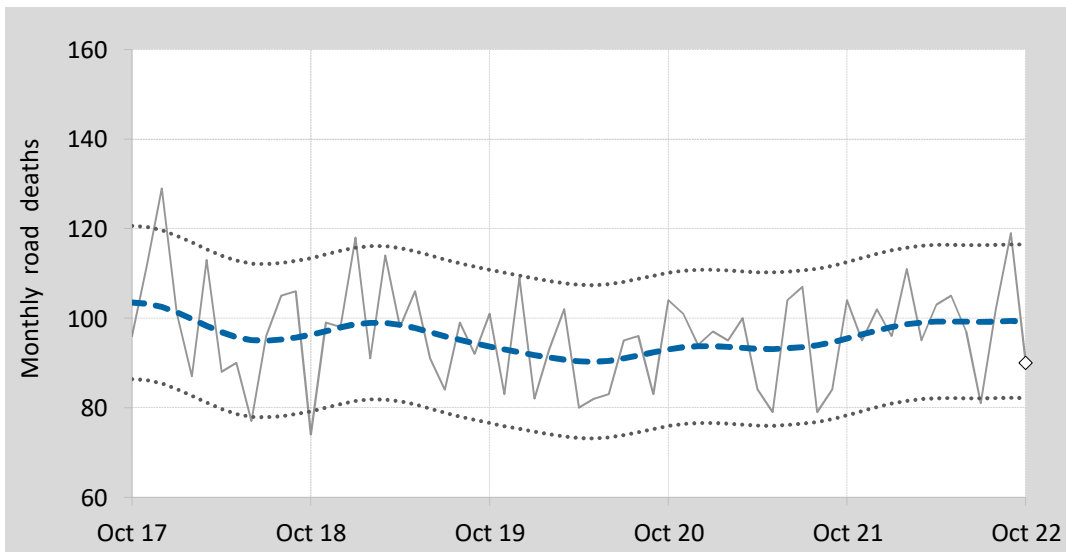




This month's key figures

- There was a total of 90 road deaths during the month of October 2022. The current figure is 6.1 per cent lower than the average for October over the previous five years.
- During the 12 months ended October 2022, there were 1,196 road deaths. This is an increase of 6.0 per cent from the 12-month period ending October 2021.
- Presently, the rate of annual deaths per 100,000 population stands at 4.6. This is a 4.9 per cent increase compared to the rate for the 12-month period ending October 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
- Transport Canberra and City 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 I.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
October 2021	26	18	36	10	10	1	3	0	104
October 2022	22	22	16	3	13	5	3	6	90
Per cent change	-15.4	22.2	-55.6	-70.0	30.0	400.0	0.0	-	-13.5

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2021 - October 2021	221	183	241	83	138	29	29	9	933
January 2022 - October 2022	245	213	243	58	131	48	43	18	999
Per cent change	10.9	16.4	0.8	-30.1	-5.1	65.5	48.3	100.0	7.1

Table I.3 Year ending October

12 months ended October	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	372	234	241	79	162	31	49	10	1,178
2019	350	267	230	109	168	32	30	5	1,191
2020	294	219	255	97	148	37	35	7	1,092
2021	267	214	295	105	167	33	37	10	1,128
2022	299	262	279	74	159	54	49	20	1,196
Latest per cent change	12.0	22.4	-5.4	-29.5	-4.8	63.6	32.4	100.0	6.0
Average trend change per year (per cent)	-6.8	0.0	5.6	-1.7	-0.4	12.1	2.1	23.1	-0.2

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

Table 2.1 By road user

12 months ended October	Driver	Passenger	Pedestrian	Motorcyclist ^a	Cyclist ^a	Total ^b	
2018	551	216	174		193	36	1,178
2019	555	207	173		217	36	1,191
2020	540	185	136		183	45	1,092
2021	531	187	132		232	39	1,128
2022	575	178	154		239	34	1,196
Latest per cent change	8.3	-4.8	16.7		3.0	-12.8	6.0
Average trend change per year (per cent)	0.4	-4.8	-5.0		5.1	-0.3	-0.2

Table 2.2 By age-group (years)

12 months ended October	0 to 7	8 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2018	13	35	227	258	388	116	139	1,178
2019	19	29	240	246	378	109	168	1,191
2020	17	36	209	292	325	81	128	1,092
2021	21	45	214	252	348	102	144	1,128
2022	18	49	232	256	384	122	129	1,196
Latest per cent change	-14.3	8.9	8.4	1.6	10.3	19.6	-10.4	6.0
Average trend change per year (per cent)	7.8	11.8	-0.7	0.1	-1.0	0.3	-3.0	-0.2

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

Table 2.3 By gender

12 months ended October	Males	Females	Total ^c
2018	874	303	1,178
2019	907	284	1,191
2020	798	290	1,092
2021	843	283	1,128
2022	917	279	1,196
<i>Latest per cent change</i>	8.8	-1.4	6.0
<i>Average trend change per year (per cent)</i>	0.2	-1.7	-0.2

a Includes pillion passengers.

b Includes deaths of 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 October

12 months ended October	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	4.7	3.7	4.8	4.5	6.2	5.8	19.8	2.3	4.7
2019	4.4	4.1	4.5	6.2	6.3	5.8	12.1	1.1	4.7
2020	3.6	3.3	4.9	5.4	5.4	6.6	14.1	1.6	4.3
2021	3.3	3.3	5.7	5.8	6.1	5.8	14.8	2.2	4.4
2022	3.7	4.0	5.3	4.1	5.7	9.4	19.5	4.4	4.6
<i>Latest per cent change</i>	11.2	21.4	-7.2	-30.2	-5.9	62.5	31.8	98.3	4.9
<i>Average trend change per year (per cent)</i>	-7.4	-0.6	4.1	-2.6	-1.9	10.4	1.8	21.2	-1.2

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2017	5.0	4.1	5.0	5.8	6.1	6.1	12.5	1.2	5.0
2018	4.4	3.3	4.9	4.6	6.0	5.9	20.1	2.1	4.5
2019	4.4	4.1	4.3	6.4	6.1	5.3	14.5	1.4	4.7
2020	3.5	3.2	5.4	5.2	5.7	6.6	12.5	1.6	4.3
2021	3.4	3.5	5.3	5.5	6.0	6.2	14.0	2.4	4.4
<i>Latest per cent change</i>	-3.2	10.9	-1.2	5.9	6.6	-6.1	12.8	56.1	3.1

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

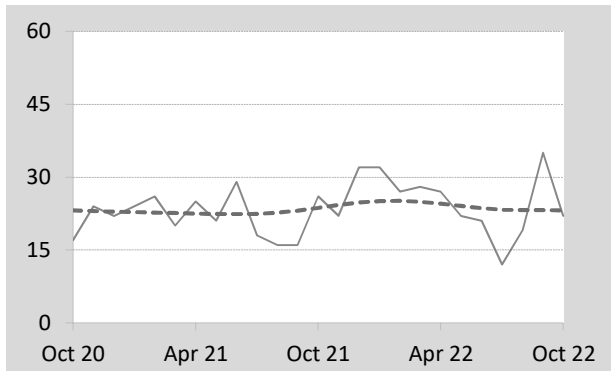


Figure 4.2 Vic

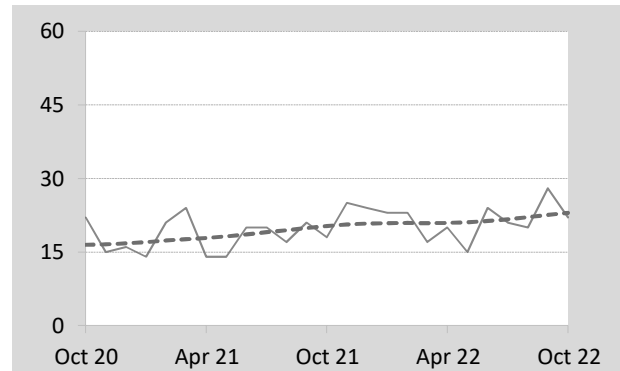


Figure 4.3 Qld

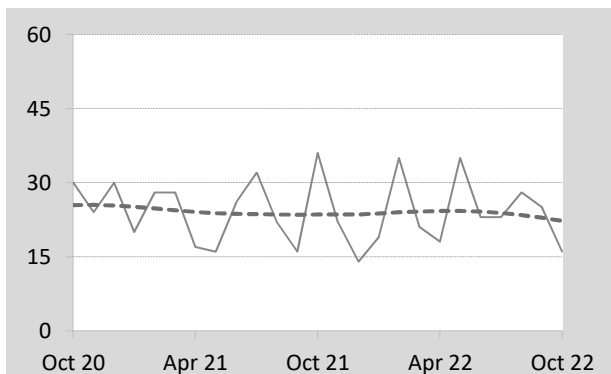


Figure 4.4 SA

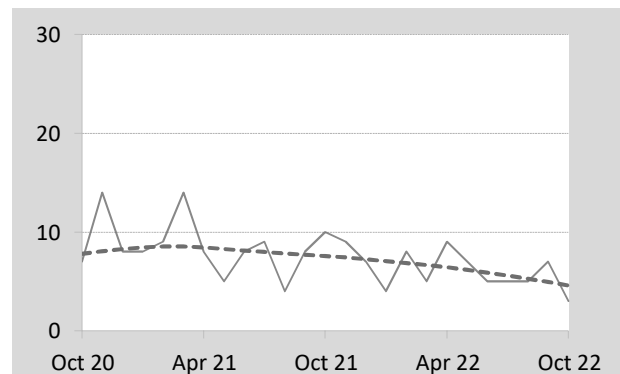


Figure 4.5 WA

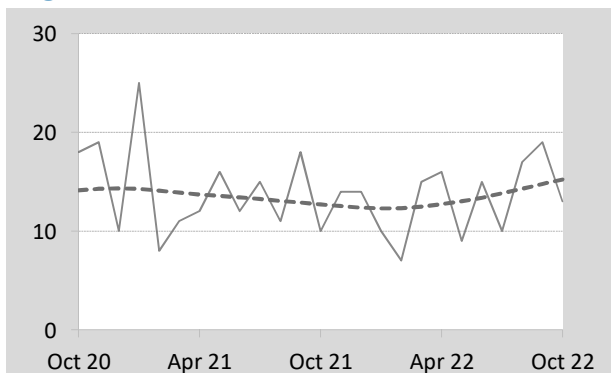


Figure 4.6 Tas

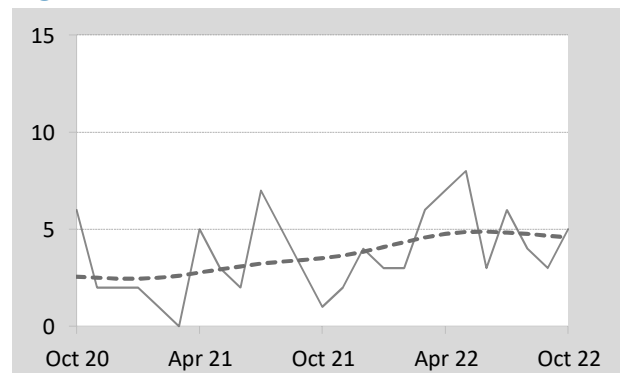


Figure 4.7 NT

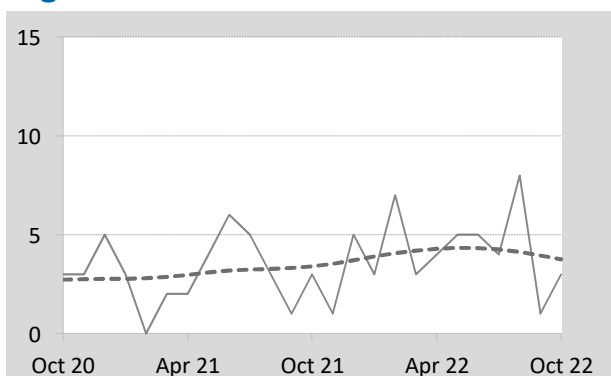
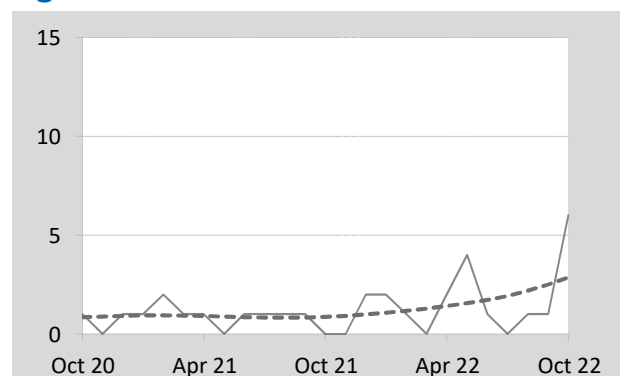


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By crash type and posted speed limit

12 months ended October	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2018	638	452	19	140	256	174	349	141	1,090
2019	677	428	20	141	238	187	342	168	1,105
2020	579	414	20	115	224	183	320	127	993
2021	599	446	15	129	249	154	341	142	1,045
2022	698	426	21	106	263	189	348	135	1,124
Latest per cent change	16.5	-4.5	40.0	-17.8	5.6	22.7	2.1	-4.9	7.6
Average trend change per year (per cent)	0.6	-0.8	-0.9	-6.2	1.0	-0.3	-0.1	-2.5	0.1

Table 5.2 By day of week and time of day

12 months ended October	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2018	660	430	674	416
2019	659	446	553	552
2020	606	387	575	418
2021	611	434	645	400
2022	696	428	647	476
Latest per cent change	13.9	-1.4	0.3	19.0
Average trend change per year (per cent)	0.3	-0.4	0.7	-0.5

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 October 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.