



Australian Government

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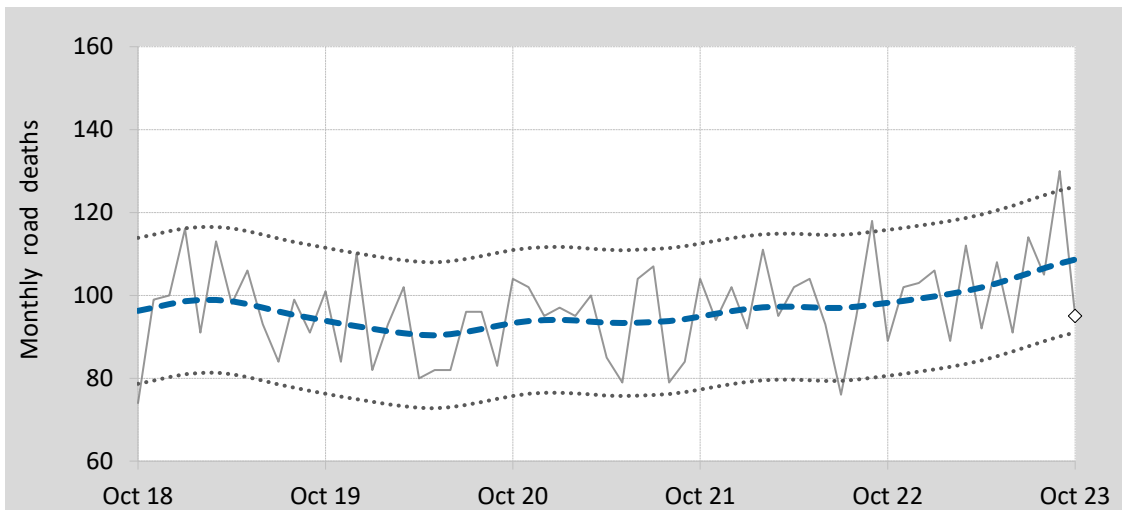
Road deaths Australia

October 2023

This month's key figures

- There was a total of 95 road deaths during the month of October 2023. The current figure is 0.6 per cent higher than the average for October over the previous five years.
- During the 12 months ended October 2023, there were 1,247 road deaths. This is an increase of 6.5 per cent from the 12-month period ending October 2022.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is a 4.2 per cent increase compared to the rate for the 12-month period ending October 2022.

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.

Monthly fatalities over the last 5 years

	Jan	Feb	Mar	Apr	July	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2018	101	86	113	88	90	78	96	104	106	74	99	100	1,135
2019	116	91	113	98	106	93	84	99	91	101	84	110	1,186
2020	82	93	102	80	82	82	96	96	83	104	102	95	1,097
2021	97	95	100	85	79	104	107	79	84	104	94	102	1,130
2022	92	111	95	102	104	93	76	95	118	89	102	103	1,180
2023	106	89	112	92	108	91	114	105	130	95			1042*

I. Monthly deaths by jurisdiction — 2 years

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure I.1 NSW

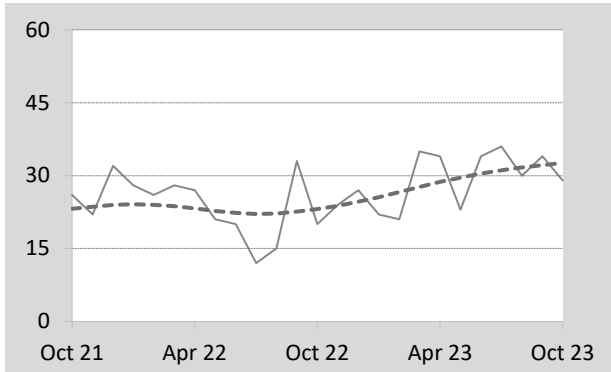


Figure I.2 Vic

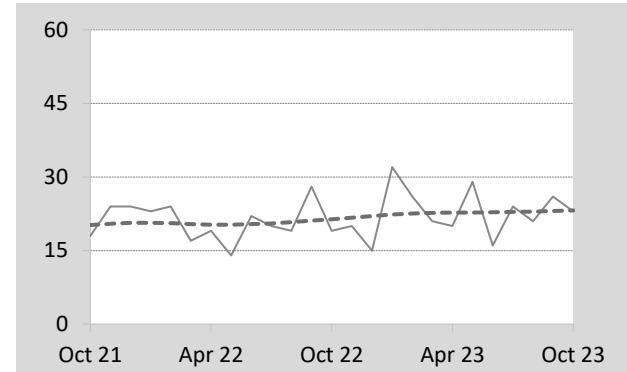


Figure I.3 Qld

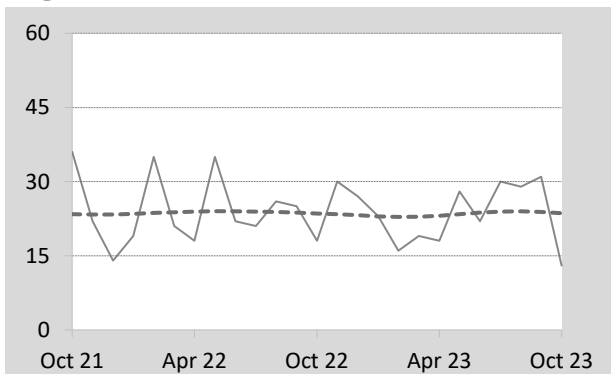


Figure I.4 SA

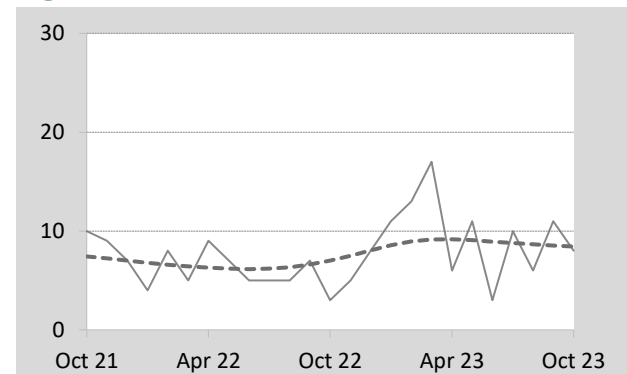


Figure I.5 WA

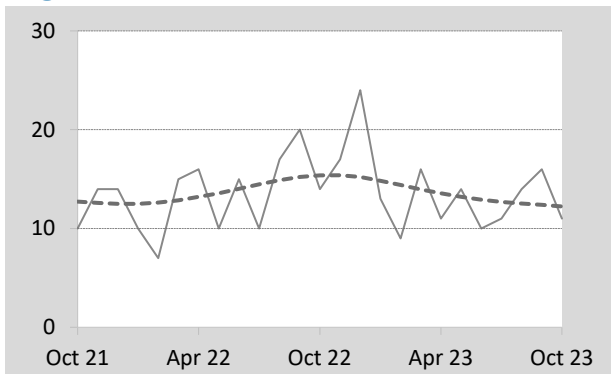


Figure I.6 Tas

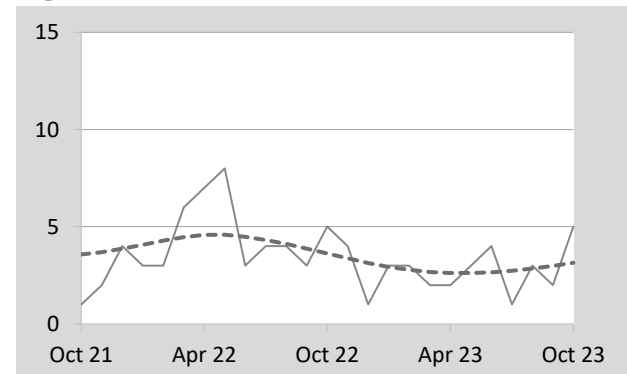


Figure I.7 NT

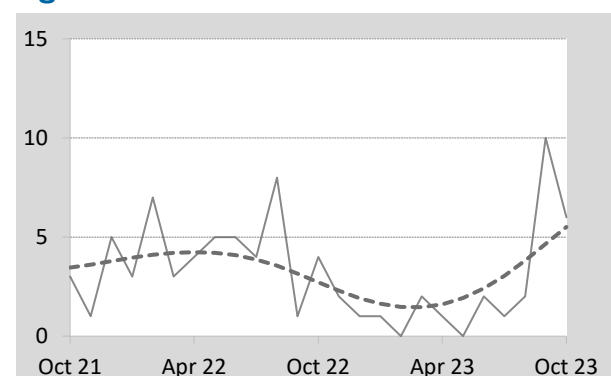
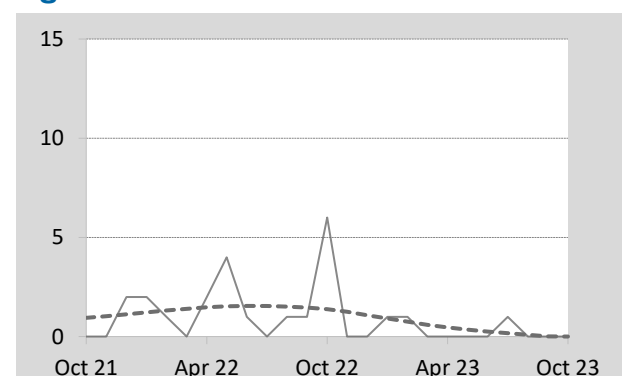


Figure I.8 ACT



2. Deaths by jurisdiction - Current month, calendar year and last 12 months

Table 2.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
October 2022	20	19	18	3	14	5	4	6	89
October 2023	29	23	13	8	11	5	6	0	95
Per cent change	45%	21%	-28%	167%	-21%	0%	50%	-100%	6.7%

Table 2.2 Calendar year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January - October 2022	230	205	240	58	134	46	44	18	975
January - October 2023	298	238	229	96	125	28	25	3	1,042
Per cent change	30%	16%	-5%	66%	-7%	-39%	-43%	-83%	6.9%

Table 2.3 12 months ended October

12 months end October	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	350	267	230	109	168	32	30	5	1,191
2020	294	219	255	97	150	37	35	7	1,094
2021	267	214	295	105	168	35	37	10	1,131
2022	284	253	276	74	162	52	50	20	1,171
2023	349	273	286	109	166	33	28	3	1,247
Latest per cent change	22.9%	7.9%	3.6%	47.3%	2.5%	-36.5%	-44.0%	-85.0%	6.5%
Average trend change per year	0%	2%	5%	-3%	1%	4%	2%	0%	1.6%

3. Annual deaths per 100,000 population

Table 3.1 12 months ended October

12 months end October	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	4.4	4.1	4.5	6.2	6.3	5.9	12.2	1.1	4.71
2020	3.6	3.3	4.9	5.4	5.5	6.6	14.2	1.6	4.26
2021	3.3	3.3	5.7	5.8	6.1	6.2	14.9	2.2	4.41
2022	3.5	3.8	5.2	4.1	5.8	9.1	20.0	4.4	4.51
2023	4.2	4.0	5.3	5.9	5.8	5.8	11.1	0.6	4.70
Latest per cent change	20.5%	5.3%	1.2%	45.0%	-0.5%	-36.8%	-44.5%	-85.3%	4.2%
Average trend change per year	-1%	1%	4%	-4%	-1%	3%	2%	-1%	0.5%

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	4.4	3.3	4.9	4.6	6.1	6.0	20.2	2.1	4.5
2019	4.4	4.1	4.3	6.5	6.1	5.3	14.6	1.4	4.7
2020	3.5	3.2	5.4	5.2	5.7	6.8	12.5	1.6	4.3
2021	3.4	3.5	5.3	5.5	6.0	6.3	14.1	2.4	4.4
2022	3.4	3.6	5.6	3.9	6.3	8.9	18.8	3.9	4.5
Latest per cent change	1%	3%	5%	-29%	4%	41%	33%	62%	3.1%

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

Table 4.1 By road user

12 months end October	Driver	Passenger	Pedestrian	Motorcyclist ^a	Pedal cyclist ^a	Total ^b
2019	553	208	171	220	36	1,191
2020	541	187	137	181	46	1,094
2021	531	188	132	233	40	1,131
2022	553	181	153	240	33	1,171
2023	594	197	166	244	41	1,247
<i>Latest per cent change</i>	7%	9%	8%	2%	24%	6.5%
<i>Average trend change per year</i>	2%	-1%	1%	5%	-1%	1.6%

Table 4.2 By age-group (years)

12 months end October	0 to 7	8 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2019	19	29	239	247	377	110	168	1,191
2020	15	36	210	293	324	80	130	1,094
2021	21	45	214	253	350	102	144	1,131
2022	17	48	228	250	368	123	132	1,171
2023	12	38	237	279	373	132	157	1,247
<i>Latest per cent change</i>	-29%	-21%	4%	12%	1%	7%	19%	6.5%
<i>Average trend change per year</i>	-8%	9%	1%	1%	1%	8%	-1%	1.6%

Table 4.3 By gender

12 months end October	Male	Female	Total ^c
2019	908	283	1,191
2020	798	292	1,094
2021	844	285	1,131
2022	889	282	1,171
2023	912	318	1,247
<i>Latest per cent change</i>	3%	13%	6.5%
<i>Average trend change per year</i>	1%	2%	1.6%

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.

5. Fatal crashes: counts and characteristics

Table 5.1 By crash type

12 months end October	Crash type ^a		
	Single	Multiple	Total ^b
2019	676	429	1,105
2020	578	415	993
2021	601	446	1,047
2022	668	430	1,098
2023	673	471	1,148
Latest per cent change	1%	10%	4.6%
Average trend change per year	1%	2%	1.8%

Table 5.2 By posted speed limit

12 months end October	Posted speed limit (km/h)						Total ^b
	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2019	20	138	239	187	342	170	1,105
2020	20	116	225	183	320	125	993
2021	15	130	249	155	340	143	1,047
2022	20	117	274	192	352	133	1,098
2023	33	135	289	164	307	126	1,148
Latest per cent change	65%	15%	5%	-15%	-13%	-5%	4.6%
Average trend change per year	11%	0%	6%	-2%	-1%	-5%	1.8%

Table 5.3 By day of week

12 months end October	Day of week ^c		Total ^b
	Weekday	Weekend	
2019	658	447	1,105
2020	607	386	993
2021	611	436	1,047
2022	677	421	1,098
2023	716	428	1,148
Latest per cent change	6%	2%	4.6%
Average trend change per year	3%	0%	1.8%

Table 5.4 By time of day

12 months end October	Time of day ^d		Total ^b
	Day	Night	
2019	556	549	1,105
2020	573	420	993
2021	647	400	1,047
2022	632	465	1,098
2023	700	442	1,148
Latest per cent change	11%	-5%	4.6%
Average trend change per year	6%	-3%	1.8%

a 'Single' and 'Multiple' refer to the number of vehicles involved in a fatal crash.

b Includes 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.

Fatality rates

Fatality rates per population are based on road deaths over the last 12-months, and the population at the midpoint of that period. Population estimates are sourced from ABS' *National, state and territory population* statistics. The midpoint population is interpolated if necessary.

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.

Data Sources

Data are obtained from

- Transport for NSW
- Department of Transport, Victoria
- Department of Transport and Main Roads, Queensland
- Department for Infrastructure and Transport, 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:

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Road deaths from recent months are preliminary and subject to revision.

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