



Australian Government

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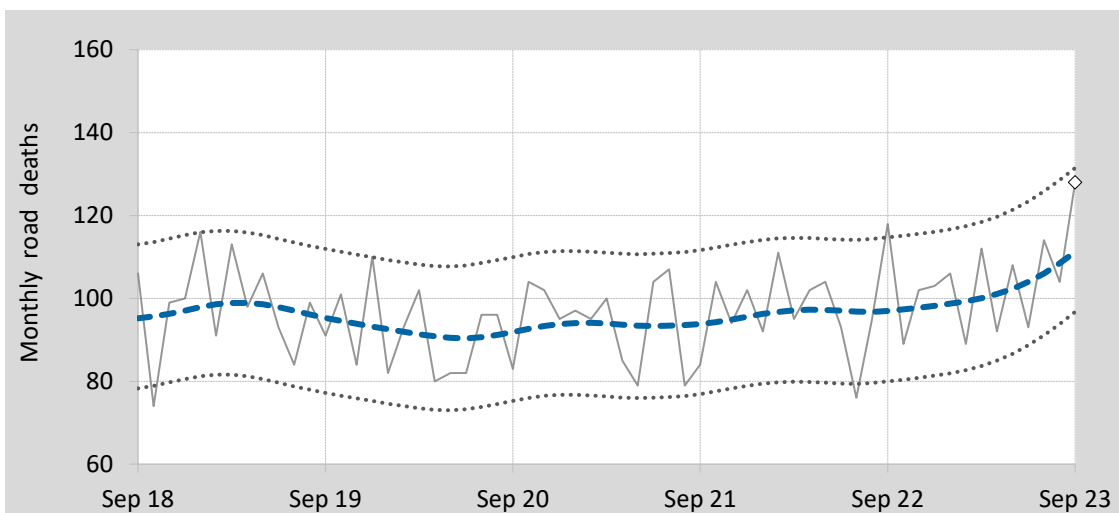
Road deaths Australia

September 2023

This month's key figures

- There was a total of 128 road deaths during the month of September 2023. The current figure is 32.8 per cent higher than the average for September over the previous five years.
- During the 12 months ended September 2023, there were 1,240 road deaths. This is an increase of 4.6 per cent from the 12-month period ending September 2022.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is a 2.3 per cent increase compared to the rate for the 12-month period ending September 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	93	114	104	128				946

I. Monthly deaths by jurisdiction — 2 years

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure I.1 NSW

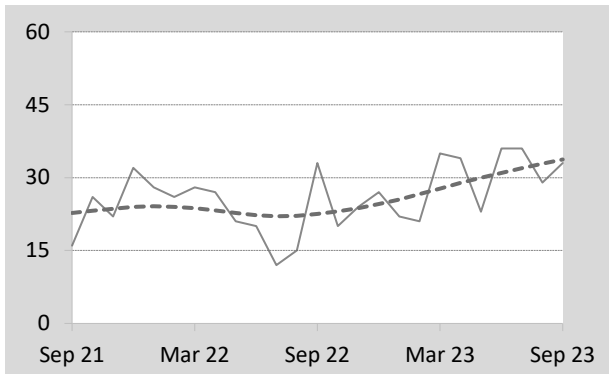


Figure I.2 Vic

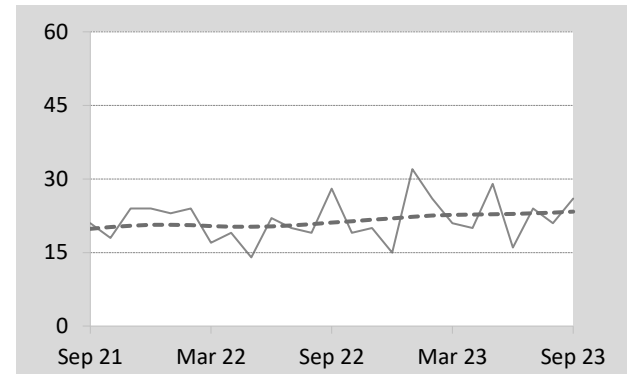


Figure I.3 Qld

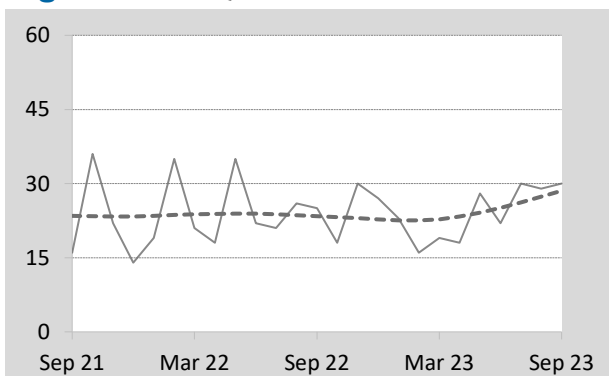


Figure I.4 SA

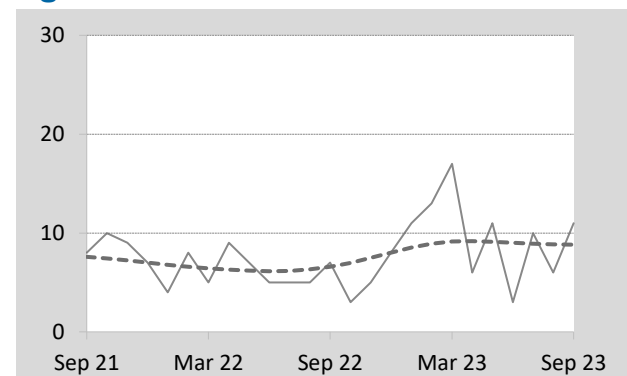


Figure I.5 WA

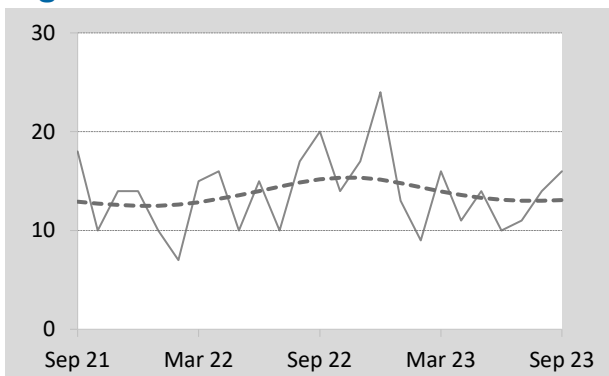


Figure I.6 Tas

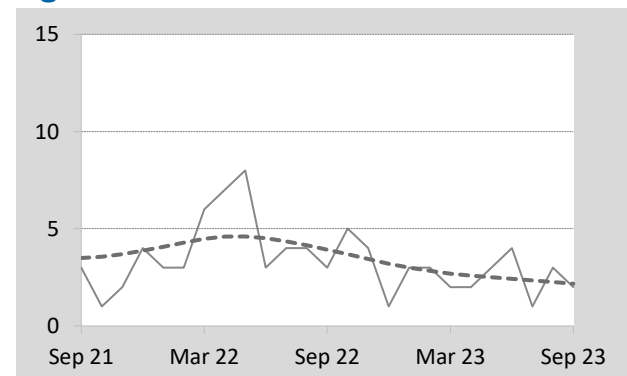


Figure I.7 NT

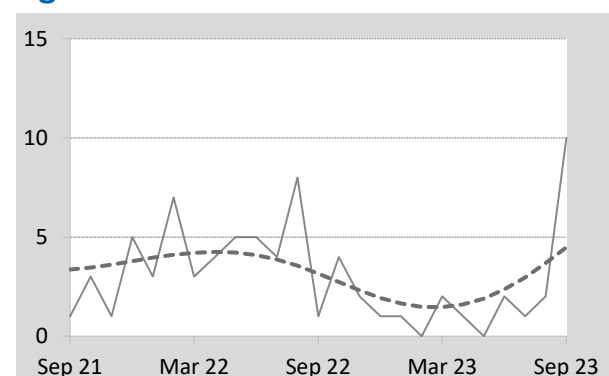
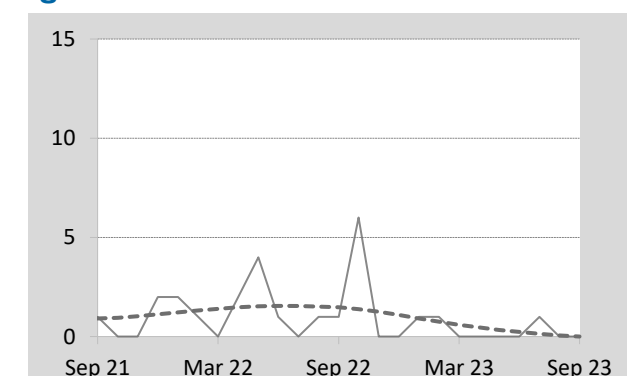


Figure I.8 ACT



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
September 2022	33	28	25	7	20	3	1	1	118
September 2023	33	26	30	11	16	2	10	0	128
Per cent change	0%	-7%	20%	57%	-20%	-33%	900%	-100%	8.5%

Table 2.2 Calendar year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January - September 2022	210	186	222	55	120	41	40	12	886
January - September 2023	269	215	215	88	114	23	19	3	946
Per cent change	28%	16%	-3%	60%	-5%	-44%	-53%	-75%	6.8%

Table 2.3 12 months ended September

12 months end September	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	342	262	216	105	167	30	37	5	1,164
2020	306	223	250	98	141	33	33	7	1,091
2021	258	218	289	102	176	40	37	11	1,131
2022	290	252	294	81	158	48	49	14	1,186
2023	340	269	290	104	169	33	26	9	1,240
Latest per cent change	17.2%	6.7%	-1.4%	28.4%	7.0%	-31.3%	-46.9%	-35.7%	4.6%
Average trend change per year	-1%	2%	8%	-2%	1%	6%	-3%	21%	2.1%

3. Annual deaths per 100,000 population

Table 3.1 12 months ended September

12 months end September	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	4.4	3.3	4.9	4.6	6.1	6.0	20.2	2.1	4.55
2020	3.8	3.4	4.9	5.5	5.2	5.9	13.4	1.6	4.26
2021	3.2	3.3	5.6	5.7	6.4	7.1	14.9	2.4	4.41
2022	3.6	3.8	5.6	4.5	5.7	8.4	19.6	3.1	4.58
2023	4.1	4.0	5.4	5.6	5.9	5.8	10.3	1.9	4.68
Latest per cent change	15.0%	4.2%	-3.6%	26.4%	4.0%	-31.5%	-47.4%	-37.0%	2.3%
Average trend change per year	-2%	5%	3%	2%	0%	3%	-9%	5%	1.3%

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	4.55
2019	4.4	4.1	4.3	6.5	6.1	5.3	14.6	1.4	4.68
2020	3.5	3.2	5.4	5.2	5.7	6.8	12.5	1.6	4.28
2021	3.4	3.5	5.3	5.5	6.0	6.3	14.1	2.4	4.40
2022	3.4	3.6	5.6	3.9	6.3	8.9	18.8	3.9	4.54
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 September	Driver	Passenger	Pedestrian	Motorcyclist ^a	Pedal cyclist ^a	Total ^b
2019	537	212	164	211	36	1,164
2020	535	187	138	182	47	1,091
2021	540	185	133	229	37	1,131
2022	566	183	150	245	33	1,186
2023	586	196	167	242	43	1,240
<i>Latest per cent change</i>	4%	7%	11%	-1%	30%	4.6%
<i>Average trend change per year</i>	2%	-2%	1%	6%	0%	2.1%

Table 4.2 By age-group (years)

12 months end September	0 to 7	8 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2019	18	28	234	241	364	108	169	1,164
2020	16	35	206	291	322	84	131	1,091
2021	20	47	215	266	350	97	135	1,131
2022	19	44	230	251	371	125	140	1,186
2023	10	41	242	275	377	128	152	1,240
<i>Latest per cent change</i>	-47%	-7%	5%	10%	2%	2%	9%	4.6%
<i>Average trend change per year</i>	-10%	10%	2%	1%	2%	8%	-1%	2.1%

Table 4.3 By gender

12 months end September	Male	Female	Total ^c
2019	876	288	1,164
2020	801	286	1,091
2021	837	293	1,131
2022	899	286	1,186
2023	907	317	1,240
<i>Latest per cent change</i>	1%	11%	4.6%
<i>Average trend change per year</i>	2%	2%	2.1%

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 September	Crash type ^a		
	Single	Multiple	Total ^b
2019	664	417	1,081
2020	577	411	988
2021	591	457	1,048
2022	692	420	1,112
2023	696	442	1,142
Latest per cent change	0.6	5.2	2.70
Average trend change per year	2.8	1.4	2.31

Table 5.2 By posted speed limit

12 months end September	Posted speed limit (km/h)						Total ^b
	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2019	19	132	234	186	329	172	1,081
2020	20	118	226	174	331	115	988
2021	13	129	237	165	339	151	1,048
2022	21	116	281	194	357	132	1,112
2023	34	137	292	171	308	133	1,142
Latest per cent change	61.9	18.1	3.9	-11.9	-13.7	0.8	2.7
Average trend change per year	12.9	0.6	6.8	-0.6	-0.6	-3.7	2.3

Table 5.3 By day of week

12 months end September	Day of week ^c			Total ^b
	Weekday	Weekend		
2019	645	436		1,081
2020	598	390		988
2021	621	427		1,048
2022	688	424		1,112
2023	698	441		1,142
Latest per cent change	1.5	4.0		2.7
Average trend change per year	3.0	1.1		2.3

Table 5.4 By time of day

12 months end September	Time of day ^d		Total ^b
	Day	Night	
2019	559	522	1,081
2020	562	426	988
2021	642	406	1,048
2022	655	456	1,112
2023	689	448	1,142
Latest per cent change	5.2	-1.8	2.70
Average trend change per year	5.9	-2.3	2.31

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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