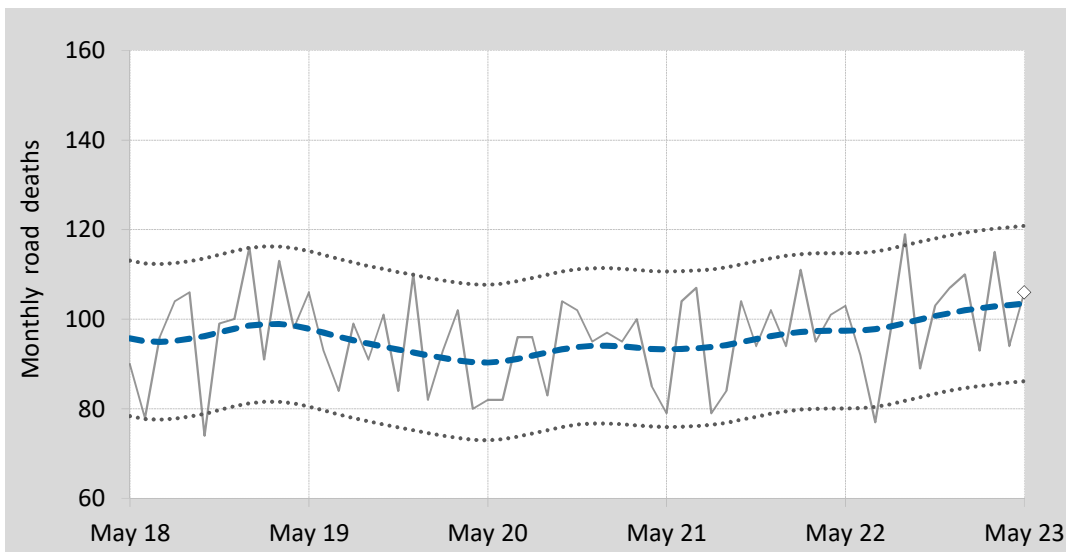




This month's key figures

- There was a total of 106 road deaths during the month of May 2023. The current figure is 15.2 per cent higher than the average for May over the previous five years.
- During the 12 months ended May 2023, there were 1,202 road deaths. This is an increase of 2.0 per cent from the 12-month period ending May 2022.
- Presently, the rate of annual deaths per 100,000 population stands at 4.6. This is a 0.1 per cent increase compared to the rate for the 12-month period ending May 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.

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:

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
May 2022	20	14	35	7	10	8	5	4	103
May 2023	23	28	29	11	12	3	0	0	106
Per cent change	15.0	100.0	-17.1	57.1	20.0	-62.5	-100.0	-100.0	2.9

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2022 - May 2022	130	97	128	33	58	27	22	9	504
January 2023 - May 2023	140	133	106	58	61	14	4	2	518
Per cent change	7.7	37.1	-17.2	75.8	5.2	-48.1	-81.8	-77.8	2.8

Table I.3 Year ending May

12 months ended May	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	353	257	235	100	162	30	40	4	1,181
2020	318	233	225	105	148	34	31	7	1,101
2021	280	199	297	93	169	32	34	10	1,114
2022	289	241	296	88	152	51	46	15	1,178
2023	298	277	275	96	178	38	29	11	1,202
Latest per cent change	3.1	14.9	-7.1	9.1	17.1	-25.5	-37.0	-26.7	2.0
Average trend change per year (per cent)	-4.3	1.9	6.1	-2.5	2.2	9.2	-2.5	32.1	1.0

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

Table 2.1 By road user

12 months ended May	Driver	Passenger	Pedestrian	Motorcyclist ^a	Pedal cyclist ^a	Total ^b
2019	537	224	175	205	34	1,181
2020	528	181	150	191	49	1,101
2021	552	177	121	225	34	1,114
2022	566	187	145	230	39	1,178
2023	558	196	166	236	39	1,202
Latest per cent change	-1.4	4.8	14.5	2.6	0.0	2.0
Average trend change per year (per cent)	1.5	-2.3	-1.4	4.8	0.5	1.0

Table 2.2 By age-group (years)

12 months ended May	0 to 7	8 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2019	17	37	226	263	369	114	152	1,181
2020	11	28	217	272	336	88	143	1,101
2021	22	45	218	279	335	93	121	1,114
2022	18	44	227	248	365	121	150	1,178
2023	16	44	232	261	382	115	144	1,202
Latest per cent change	-11.1	0.0	2.2	5.2	4.7	-5.0	-4.0	2.0
Average trend change per year (per cent)	3.8	8.3	1.0	-1.1	1.5	3.4	-0.6	1.0

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

Table 2.3 By gender

12 months ended May	Males	Females	Total ^c
2019	885	295	1,181
2020	834	263	1,101
2021	824	290	1,114
2022	889	287	1,178
2023	867	327	1,202
Latest per cent change	-2.5	13.9	2.0
Average trend change per year (per cent)	0.2	3.0	1.0

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 May

12 months ended May	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	4.4	4.0	4.7	5.7	6.1	5.5	16.1	0.9	4.7
2020	3.9	3.5	4.4	5.9	5.5	6.1	12.5	1.6	4.3
2021	3.5	3.0	5.7	5.2	6.2	5.6	13.6	2.2	4.3
2022	3.6	3.7	5.6	4.9	5.5	9.0	18.4	3.3	4.6
2023	3.6	4.1	5.1	5.2	6.3	6.6	11.6	2.4	4.6
Latest per cent change	1.4	12.7	-9.1	7.3	14.7	-26.1	-37.1	-28.0	0.1
Average trend change per year (per cent)	-4.8	1.3	4.5	-3.5	0.6	7.9	-2.7	30.4	0.1

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	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	6.7	12.5	1.6	4.3
2021	3.4	3.5	5.3	5.5	6.0	6.3	14.0	2.4	4.4
2022	3.5	3.6	5.6	3.9	6.3	8.9	18.7	3.9	4.6
Latest per cent change	3.9	3.2	5.0	-29.0	4.0	40.8	33.5	62.5	3.9

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

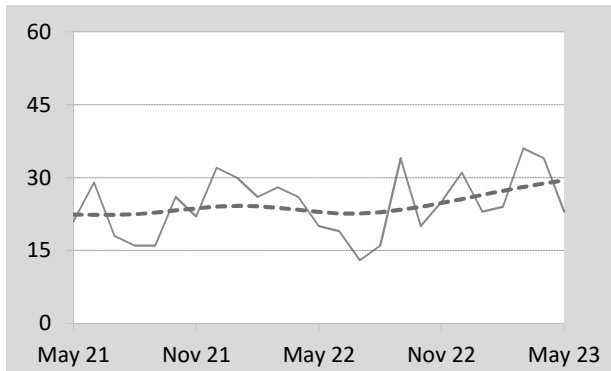


Figure 4.2 Vic

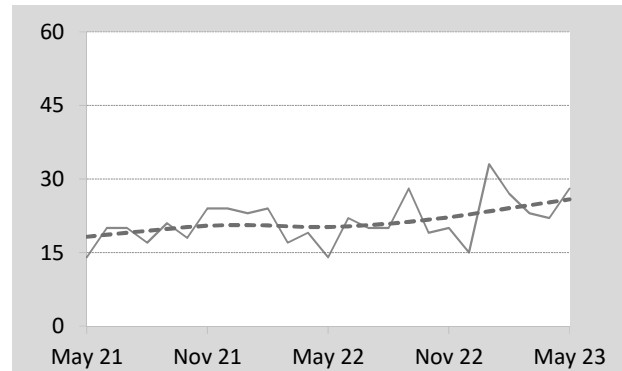


Figure 4.3 Qld

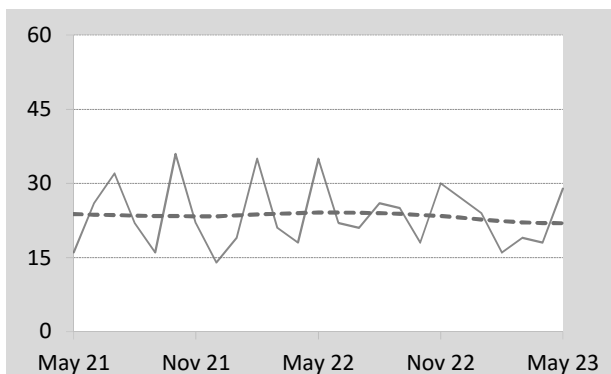


Figure 4.4 SA

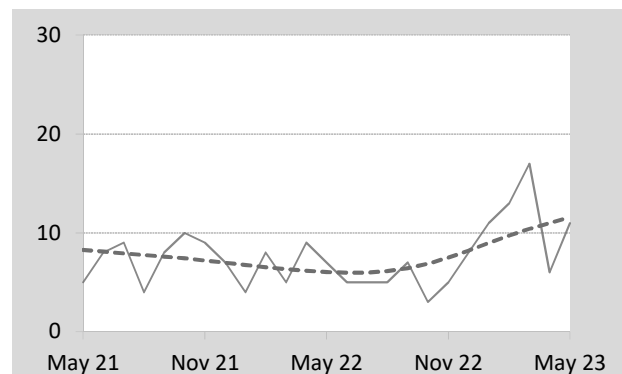


Figure 4.5 WA

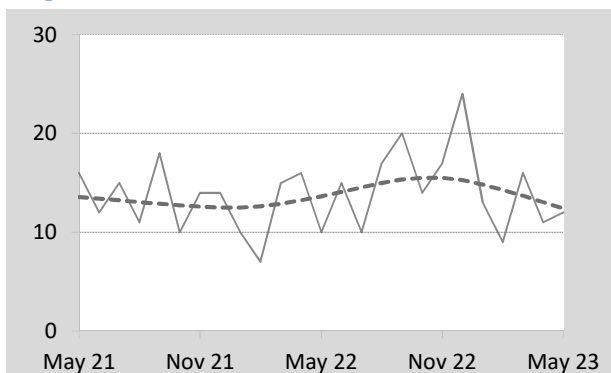


Figure 4.6 Tas

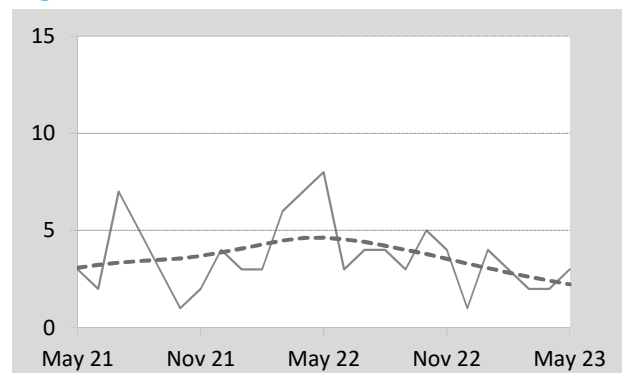


Figure 4.7 NT

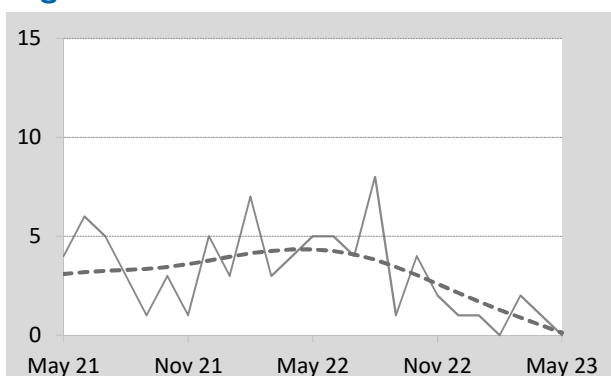
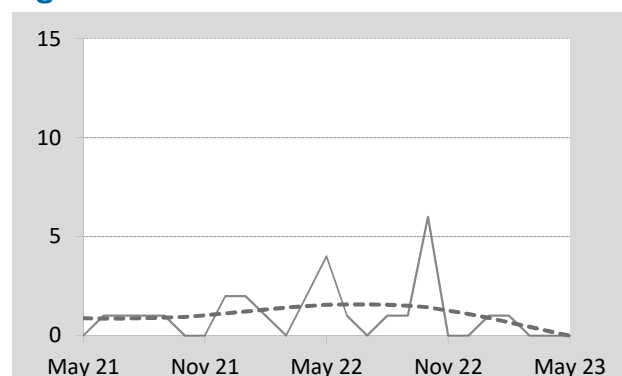


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By crash type and posted speed limit

12 months ended May	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2019	667	424	14	122	246	180	355	164	1,091
2020	591	419	22	138	218	176	316	136	1,010
2021	584	450	14	113	237	182	345	132	1,034
2022	665	427	20	131	270	169	355	135	1,092
2023	671	441	28	117	289	179	303	139	1,113
Latest per cent change	0.9	3.3	40.0	-10.7	7.0	5.9	-14.6	3.0	1.9
Average trend change per year (per cent)	1.3	1.0	13.8	-1.3	5.5	-0.5	-2.0	-3.3	1.2

Table 5.2 By day of week and time of day

12 months ended May	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2019	655	436	601	490
2020	620	390	540	470
2021	589	445	629	405
2022	683	409	654	437
2023	693	420	669	444
Latest per cent change	1.5	2.7	2.3	1.6
Average trend change per year (per cent)	2.1	-0.3	4.1	-2.7

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.

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.