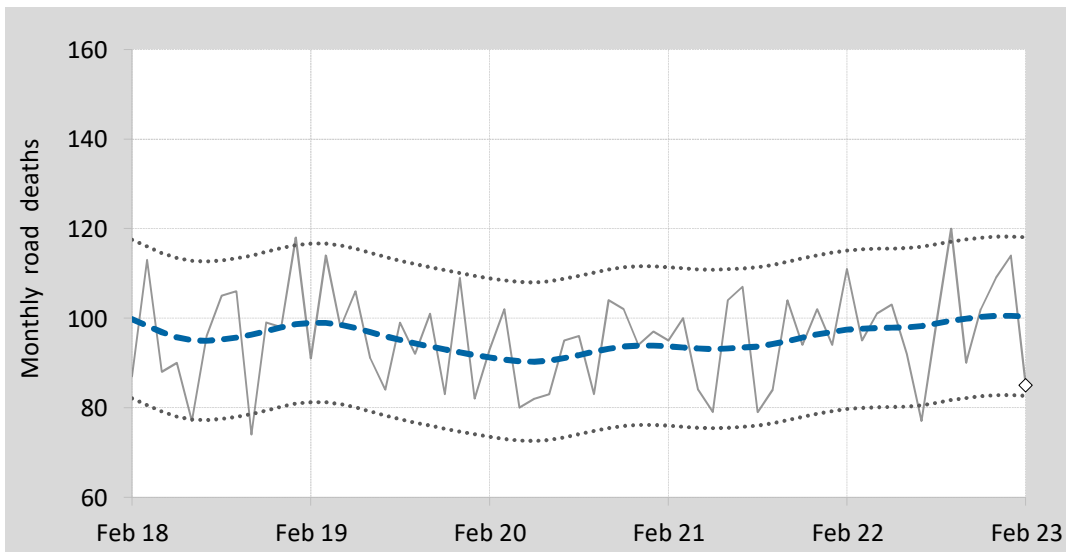




This month's key figures

- There was a total of 85 road deaths during the month of February 2023. The current figure is 10.9 per cent lower than the average for February over the previous five years.
- During the 12 months ended February 2023, there were 1,187 road deaths. This is an increase of 3.9 per cent from the 12-month period ending February 2022.
- Presently, the rate of annual deaths per 100,000 population stands at 4.6. This is a 2.6 per cent increase compared to the rate for the 12-month period ending February 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
February 2022	26	24	35	8	7	3	7	1	111
February 2023	20	24	15	13	9	3	0	1	85
Per cent change	-23.1	0.0	-57.1	62.5	28.6	0.0	-100.0	0.0	-23.4

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2022 - February 2022	56	47	54	12	17	6	10	3	205
January 2023 - February 2023	43	61	39	24	22	7	1	2	199
Per cent change	-23.2	29.8	-27.8	100.0	29.4	16.7	-90.0	-33.3	-2.9

Table I.3 Year ending February

12 months ended February	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	344	233	235	89	169	28	50	7	1,155
2020	340	252	219	113	151	37	35	5	1,152
2021	281	205	301	94	164	29	29	10	1,113
2022	281	243	283	94	150	38	42	11	1,142
2023	280	256	282	83	179	52	38	17	1,187
Latest per cent change	-0.4	5.3	-0.4	-11.7	19.3	36.8	-9.5	54.5	3.9
Average trend change per year (per cent)	-5.8	1.5	6.4	-3.2	1.1	13.5	-3.6	29.2	0.5

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

Table 2.1 By road user

12 months ended February	Driver	Passenger	Pedestrian	Motorcyclist ^a	Pedal cyclist ^a	Total ^b
2019	527	205	174	202	39	1,155
2020	550	206	162	191	41	1,152
2021	546	179	128	214	40	1,113
2022	546	187	128	236	38	1,142
2023	562	182	158	233	40	1,187
Latest per cent change	2.9	-2.7	23.4	-1.3	5.3	3.9
Average trend change per year (per cent)	1.2	-3.3	-4.2	5.1	-0.3	0.5

Table 2.2 By age-group (years)

12 months ended February	0 to 7	8 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2019	16	40	222	266	353	113	142	1,155
2020	15	30	227	264	358	99	159	1,152
2021	22	39	214	292	336	84	121	1,113
2022	20	42	224	225	363	117	147	1,142
2023	14	44	222	270	376	119	139	1,187
Latest per cent change	-30.0	4.8	-0.9	20.0	3.6	1.7	-5.4	3.9
Average trend change per year (per cent)	0.2	5.4	-0.1	-1.3	1.4	2.7	-1.2	0.5

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

Table 2.3 By gender

12 months ended February	Males	Females	Total ^c
2019	868	286	1,155
2020	878	274	1,152
2021	810	299	1,113
2022	859	281	1,142
2023	870	316	1,187
Latest per cent change	1.3	12.5	3.9
Average trend change per year (per cent)	-0.2	2.3	0.5

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 February

12 months ended February	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	4.3	3.6	4.7	5.1	6.4	5.2	20.1	1.6	4.6
2020	4.2	3.9	4.3	6.4	5.7	6.7	14.1	1.1	4.5
2021	3.5	3.1	5.8	5.2	6.0	5.1	11.6	2.2	4.3
2022	3.5	3.7	5.4	5.2	5.4	6.7	16.9	2.4	4.4
2023	3.4	3.9	5.3	4.6	6.4	9.1	15.2	3.7	4.6
Latest per cent change	-1.2	4.0	-2.5	-12.6	17.7	36.1	-10.2	53.6	2.6
Average trend change per year (per cent)	-6.4	0.9	4.9	-4.1	-0.5	12.0	-3.8	27.4	-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	6.0	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	6.7	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
2022	3.6	3.7	5.6	3.9	6.2	8.9	18.8	3.9	4.6
Latest per cent change	5.8	3.7	5.1	-29.0	3.5	44.8	33.5	62.5	4.5

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

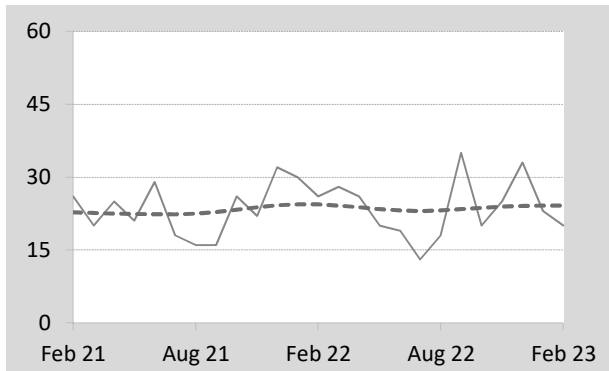


Figure 4.2 Vic

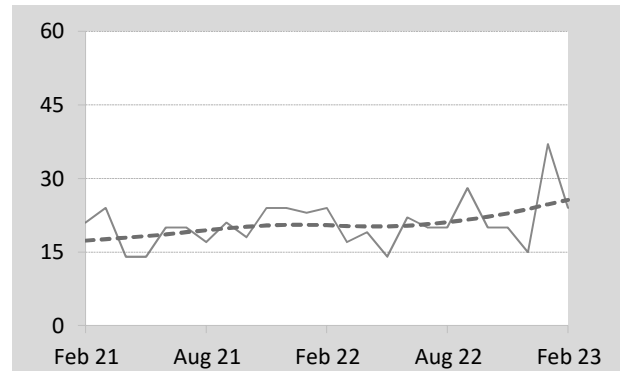


Figure 4.3 Qld

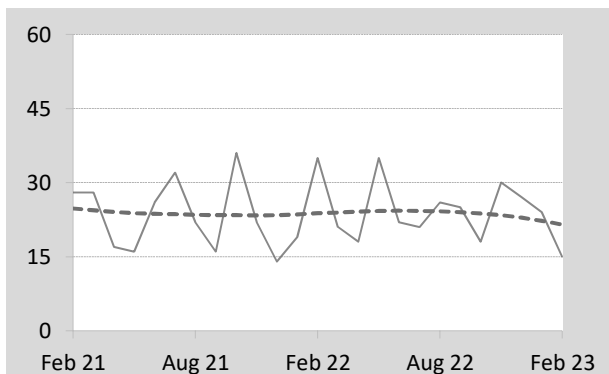


Figure 4.4 SA

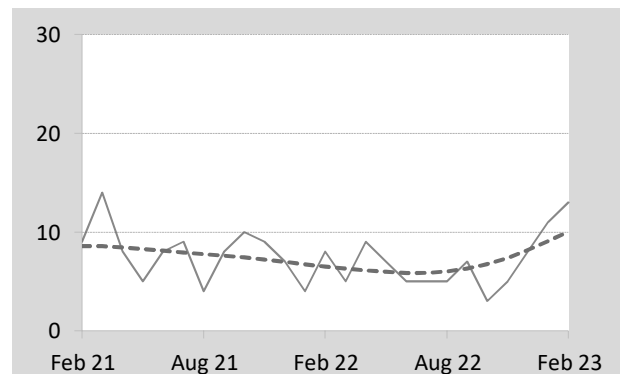


Figure 4.5 WA

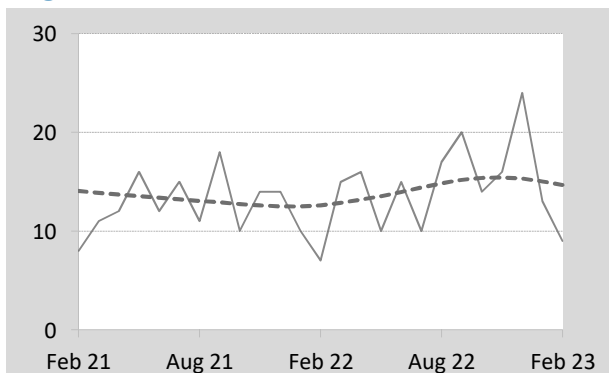


Figure 4.6 Tas

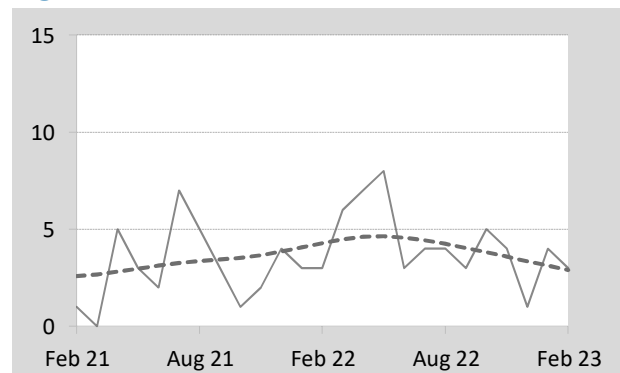


Figure 4.7 NT

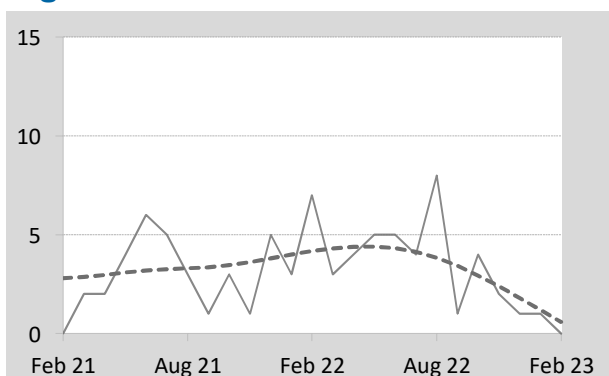
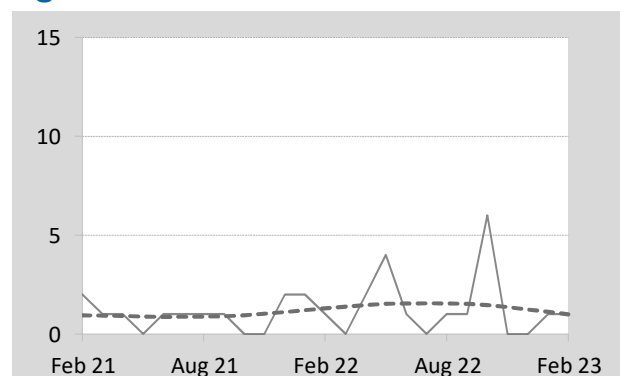


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By crash type and posted speed limit

12 months ended February	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2019	663	412	17	131	245	175	339	159	1,075
2020	627	432	22	132	229	174	338	157	1,059
2021	583	439	15	121	237	191	333	117	1,022
2022	622	441	20	127	249	162	350	141	1,063
2023	679	430	20	108	290	167	326	138	1,109
Latest per cent change	9.2	-2.5	0.0	-15.0	16.5	3.1	-6.9	-2.1	4.3
Average trend change per year (per cent)	0.4	1.1	2.3	-4.2	4.3	-1.6	-0.4	-3.8	0.7

Table 5.2 By day of week and time of day

12 months ended February	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2019	649	426	625	450
2020	644	415	533	526
2021	593	429	618	404
2022	653	410	658	405
2023	672	437	651	457
Latest per cent change	2.9	6.6	-1.1	12.8
Average trend change per year (per cent)	0.8	0.4	3.0	-2.3

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 February 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.