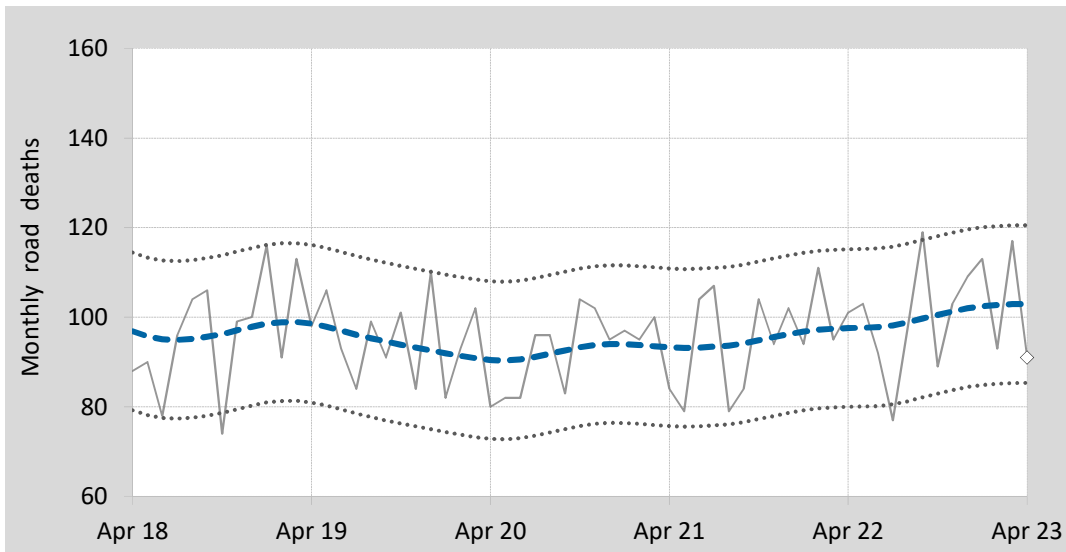




This month's key figures

- There was a total of 91 road deaths during the month of April 2023. The current figure is 0.9 per cent higher than the average for April over the previous five years.
- During the 12 months ended April 2023, there were 1,204 road deaths. This is an increase of 4.3 per cent from the 12-month period ending April 2022.
- Presently, the rate of annual deaths per 100,000 population stands at 4.6. This is a 2.5 per cent increase compared to the rate for the 12-month period ending April 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 |
|-----------------|------|------|------|-------|-------|-------|-------|--------|-----------|
| April 2022 | 26 | 19 | 18 | 9 | 16 | 7 | 4 | 2 | 101 |
| April 2023 | 32 | 22 | 17 | 6 | 11 | 2 | 1 | 0 | 91 |
| Per cent change | 23.1 | 15.8 | -5.6 | -33.3 | -31.3 | -71.4 | -75.0 | -100.0 | -9.9 |

Table I.2 Year to date

| Year to date | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|---------------------------|-----|------|-------|------|-----|-------|-------|-------|-----------|
| January 2022 - April 2022 | 110 | 83 | 93 | 26 | 48 | 19 | 17 | 5 | 401 |
| January 2023 - April 2023 | 115 | 108 | 76 | 47 | 51 | 11 | 4 | 2 | 414 |
| Per cent change | 4.5 | 30.1 | -18.3 | 80.8 | 6.3 | -42.1 | -76.5 | -60.0 | 3.2 |

Table I.3 Year ending April

| 12 months ended April | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|--|------|------|-----|------|------|------|-------|------|-----------|
| 2019 | 358 | 247 | 227 | 95 | 160 | 30 | 42 | 6 | 1,165 |
| 2020 | 318 | 251 | 225 | 110 | 147 | 34 | 33 | 7 | 1,125 |
| 2021 | 279 | 200 | 303 | 95 | 168 | 30 | 31 | 10 | 1,116 |
| 2022 | 290 | 241 | 277 | 86 | 158 | 46 | 45 | 11 | 1,154 |
| 2023 | 296 | 266 | 280 | 92 | 178 | 43 | 34 | 15 | 1,204 |
| Latest per cent change | 2.1 | 10.4 | 1.1 | 7.0 | 12.7 | -6.5 | -24.4 | 36.4 | 4.3 |
| Average trend change per year (per cent) | -4.6 | 1.1 | 6.5 | -3.1 | 2.9 | 10.8 | -1.1 | 25.7 | 0.9 |

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

Table 2.1 By road user

| 12 months ended April | Driver | Passenger | Pedestrian | Motorcyclist ^a | Pedal cyclist ^a | Total ^b |
|--|--------|-----------|------------|---------------------------|----------------------------|--------------------|
| 2019 | 531 | 211 | 177 | 204 | 37 | 1,165 |
| 2020 | 546 | 189 | 155 | 187 | 45 | 1,125 |
| 2021 | 546 | 182 | 123 | 226 | 34 | 1,116 |
| 2022 | 548 | 187 | 139 | 233 | 39 | 1,154 |
| 2023 | 563 | 195 | 164 | 235 | 38 | 1,204 |
| Latest per cent change | 2.7 | 4.3 | 18.0 | 0.9 | -2.6 | 4.3 |
| Average trend change per year (per cent) | 1.2 | -1.7 | -2.6 | 5.2 | -0.9 | 0.9 |

Table 2.2 By age-group (years)

| 12 months ended April | 0 to 7 | 8 to 16 | 17 to 25 | 26 to 39 | 40 to 64 | 65 to 74 | ≥ 75 | Total ^b |
|--|--------|---------|----------|----------|----------|----------|------|--------------------|
| 2019 | 16 | 39 | 218 | 261 | 367 | 110 | 151 | 1,165 |
| 2020 | 11 | 28 | 228 | 260 | 340 | 98 | 154 | 1,125 |
| 2021 | 23 | 42 | 216 | 292 | 336 | 84 | 122 | 1,116 |
| 2022 | 16 | 44 | 227 | 242 | 357 | 121 | 142 | 1,154 |
| 2023 | 18 | 47 | 224 | 263 | 376 | 121 | 145 | 1,204 |
| Latest per cent change | 12.5 | 6.8 | -1.3 | 8.7 | 5.3 | 0.0 | 2.1 | 4.3 |
| Average trend change per year (per cent) | 6.3 | 8.6 | 0.5 | -0.6 | 1.0 | 4.1 | -1.6 | 0.9 |

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

Table 2.3 By gender

| 12 months ended April | Males | Females | Total ^c |
|--|-------|---------|--------------------|
| 2019 | 877 | 287 | 1,165 |
| 2020 | 852 | 269 | 1,125 |
| 2021 | 825 | 291 | 1,116 |
| 2022 | 867 | 285 | 1,154 |
| 2023 | 870 | 327 | 1,204 |
| Latest per cent change | 0.3 | 14.7 | 4.3 |
| Average trend change per year (per cent) | 0.0 | 3.2 | 0.9 |

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 April

| 12 months ended April | NSW | Vic | Qld | SA | WA | Tas | NT | ACT | Australia |
|--|------|-----|------|------|------|------|-------|------|-----------|
| 2019 | 4.5 | 3.8 | 4.5 | 5.4 | 6.1 | 5.5 | 16.9 | 1.4 | 4.6 |
| 2020 | 3.9 | 3.8 | 4.4 | 6.2 | 5.5 | 6.1 | 13.3 | 1.6 | 4.4 |
| 2021 | 3.5 | 3.1 | 5.8 | 5.3 | 6.1 | 5.3 | 12.4 | 2.2 | 4.4 |
| 2022 | 3.6 | 3.7 | 5.3 | 4.8 | 5.7 | 8.1 | 18.0 | 2.4 | 4.5 |
| 2023 | 3.6 | 4.0 | 5.2 | 5.0 | 6.3 | 7.5 | 13.6 | 3.3 | 4.6 |
| Latest per cent change | 0.5 | 8.4 | -1.1 | 5.4 | 10.5 | -7.2 | -24.6 | 34.2 | 2.5 |
| Average trend change per year (per cent) | -5.2 | 0.5 | 4.9 | -4.0 | 1.3 | 9.5 | -1.3 | 24.0 | 0.0 |

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 | 6.2 | 14.0 | 2.4 | 4.4 |
| 2022 | 3.6 | 3.6 | 5.6 | 3.9 | 6.3 | 8.9 | 18.7 | 3.9 | 4.6 |
| Latest per cent change | 5.0 | 3.2 | 5.0 | -29.0 | 4.0 | 44.8 | 33.5 | 62.5 | 4.2 |

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

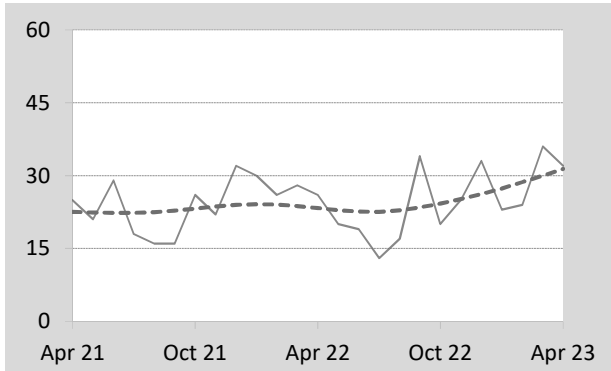


Figure 4.2 Vic

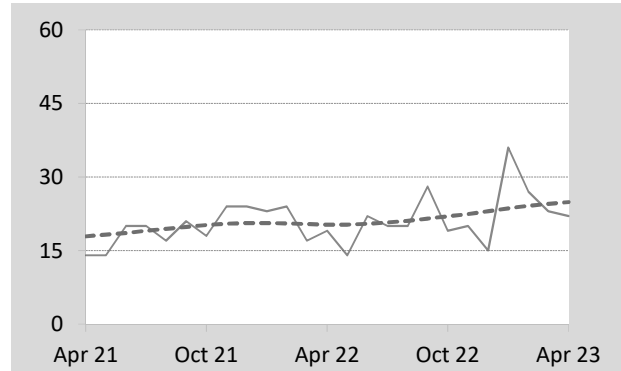


Figure 4.3 Qld

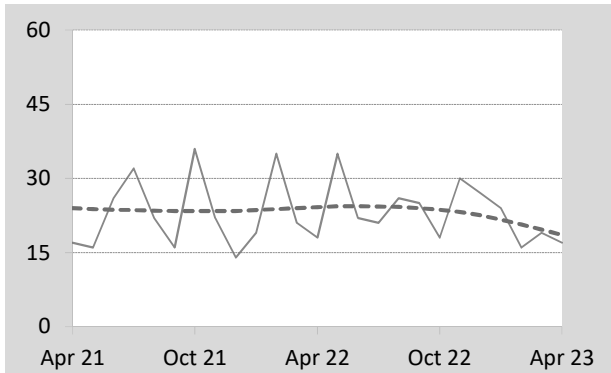


Figure 4.4 SA

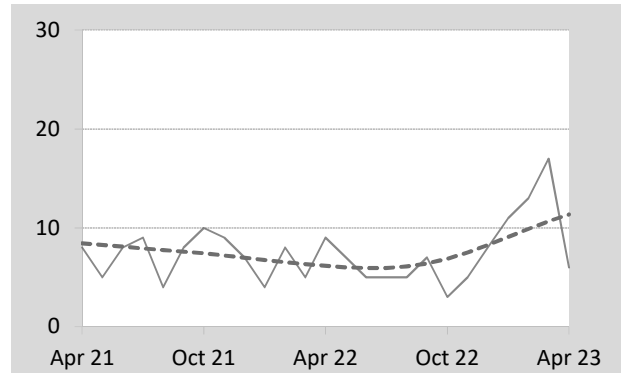


Figure 4.5 WA

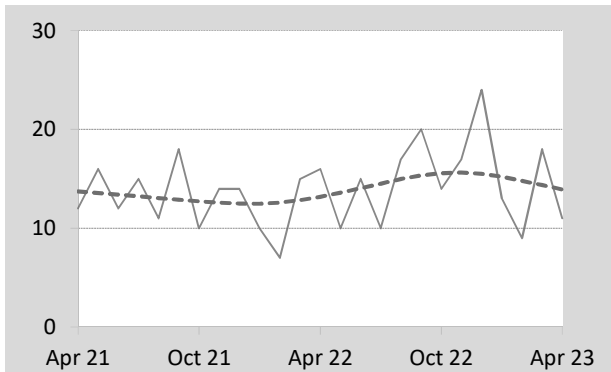


Figure 4.6 Tas

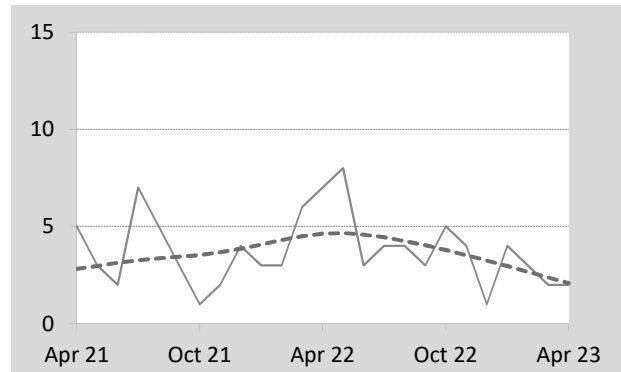


Figure 4.7 NT

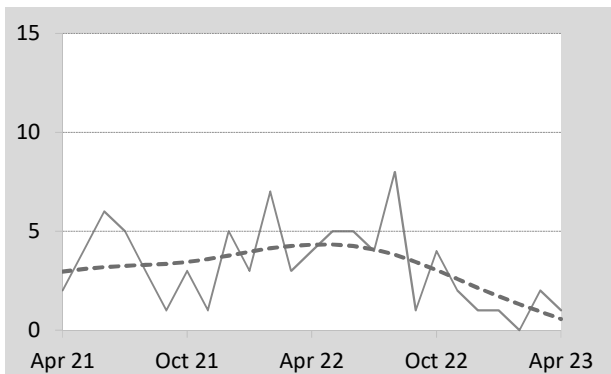
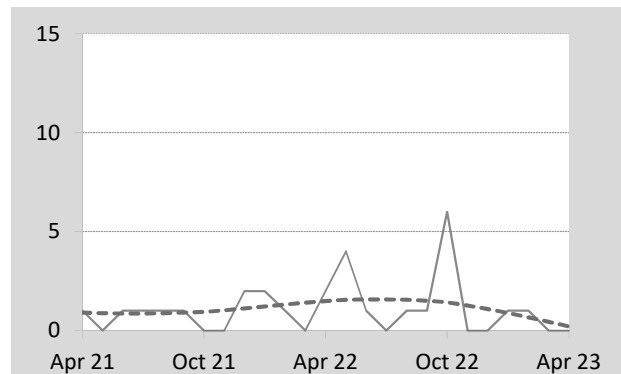


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By crash type and posted speed limit

| 12 months ended April | Crash type ^a | | Posted speed limit (km/h) | | | | | | Total ^b |
|--|-------------------------|----------|---------------------------|-------|----------|----------|-------|-------|--------------------|
| | Single | Multiple | ≤ 40 | 50 | 60 to 70 | 80 to 90 | 100 | ≥ 110 | |
| 2019 | 666 | 415 | 16 | 122 | 241 | 176 | 354 | 164 | 1,081 |
| 2020 | 608 | 427 | 22 | 137 | 227 | 177 | 325 | 141 | 1,035 |
| 2021 | 582 | 444 | 14 | 114 | 238 | 185 | 342 | 122 | 1,026 |
| 2022 | 648 | 423 | 19 | 133 | 258 | 160 | 345 | 144 | 1,071 |
| 2023 | 682 | 436 | 28 | 111 | 299 | 181 | 310 | 138 | 1,118 |
| Latest per cent change | 5.2 | 3.1 | 47.4 | -16.5 | 15.9 | 13.1 | -10.1 | -4.2 | 4.4 |
| Average trend change per year (per cent) | 1.1 | 0.9 | 10.2 | -2.2 | 5.8 | -0.4 | -2.0 | -3.2 | 1.0 |

Table 5.2 By day of week and time of day

| 12 months ended April | Day of week ^c | | Time of day ^d | |
|--|--------------------------|---------|--------------------------|-------|
| | Weekday | Weekend | Day | Night |
| 2019 | 651 | 430 | 608 | 473 |
| 2020 | 637 | 398 | 542 | 493 |
| 2021 | 587 | 439 | 626 | 400 |
| 2022 | 661 | 410 | 641 | 430 |
| 2023 | 691 | 427 | 673 | 444 |
| Latest per cent change | 4.5 | 4.1 | 5.0 | 3.3 |
| Average trend change per year (per cent) | 1.6 | 0.2 | 3.8 | -2.6 |

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.