



Supporting Information

Supplementary information

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Darke S, Chrzanowska A, Campbell G, et al. Barbiturate-related hospitalisations, drug treatment episodes, and deaths in Australia, 2000–2018. *Med J Aust* 2022; doi: 10.5694/mja2.51306.

Table 1. Codes used for extraction of hospital separations and drug treatment episodes data

| Data source | Description | Codes |
|---|--|---|
| National Hospital Morbidity Dataset (NHMD) | <i>International Statistical Classification of Diseases and Related Health Problems, tenth revision, Australian modification (ICD-10-AM)</i> | |
| | Principal diagnosis: | |
| | Barbiturates toxicity | T42.3 |
| | Other injuries and poisonings | S00-T98 excl. T42.3 |
| | Mental and behavioural disorders | F00-F99 |
| | Diseases of the nervous system | G00-G99 |
| | Other symptoms or conditions | A00-E90, H00-R99, Z00-Z99 |
| | External causes of morbidity and mortality | |
| | Intentional self-harm/suicide attempts | X60-X84 |
| | Accidental | V01-X59 |
| | Other diagnoses: | |
| | <u>Mental health</u> | F00-F99 |
| | Mood disorder | F30-F39 |
| | Mental and behavioural disorders related to psychoactive substance use | F10-F19 |
| | Neurotic, stress-related and somatoform disorders | F40-F48 |
| | Other | F00-F29, F50-F99 |
| | <u>Physical health</u> | A00-E90, G00-N99 |
| | Diseases of the nervous system | G00-G99 |
| | Diseases of the respiratory system | J00-J99 |
| | Diseases of the circulatory system | I00-I99 |
| Other | A00-E90, H00-H95, K00-N99 | |
| Alcohol and Other Drug Treatment Services National Minimum Data Set (AODTS NMDS) | <i>Australian Standard Classification of Drugs of Concern (ASCDC)</i> | |
| | Drug of concern: | |
| | Barbiturates | 2300, 2301, 2302, 2303, 2399 |
| | Opioids | 1100-1399, 0005 |
| | Alcohol | 2100, 2101, 2102, 2199 |
| | Psychostimulants | 3100-3199, 3300-3399, 3700-3799, 3405, 3903 |
| | Cannabis | 3200, 3201, 7000, 7100, 7101, 7102, 7199 |
| | Benzodiazepines | 2400-2499 |

Table 2. Sensitivity analysis: changes in barbiturate-related hospital separations, drug treatment episodes and deaths

| | Main results | | Sensitivity analysis: 2002–03 to 2016–17 | |
|----------------------------------|--------------|------------|---|------------|
| | AAPC | 95% CI | AAPC | 95% CI |
| Hospital separations total | -6.0 | -7.2, -4.8 | -5.1 | -6.8, -3.3 |
| Hospital separations accidental | -5.8 | -9.1, -2.4 | -3.0 | -7.7, -2.0 |
| Hospital separations intentional | -5.6 | -6.9, -4.2 | -5.1 | -7.3, -2.9 |
| Hospital separations men | -6.3 | -7.8, -4.8 | -5.2 | -7.4, -2.9 |
| Hospital separations women | -5.6 | -7.6, -3.6 | -4.8 | -7.8, -1.7 |
| Treatment episodes total | -6.7 | -16.3, 4.0 | -7.0 | -17.9, 5.5 |
| Treatment episodes men | -2.7 | -6.5, 1.3 | -2.3 | -6.6, 2.2 |
| Treatment episodes women | -9.1 | -22.4, 6.4 | -10.2 | -24.1, 6.1 |
| Deaths total | 9.3 | 6.2, 12.4 | 10.5 | 6.7, 14.4 |
| Deaths accidental | -0.3 | -4.1, 3.8 | 1.9 | -3.1, 7.1 |
| Deaths intentional | 11.2 | 7.4, 15.1 | 11.9 | 7.2, 16.9 |
| Deaths men | 10.5 | 6.8, 14.3 | 10.7 | 6.2, 15.5 |
| Deaths women | 7.4 | 3.3, 11.7 | 10.0 | 4.9, 15.4 |

AAPC = average annual percentage change; CI = confidence interval.