Number of people dispensed five or more medicines per 100,000 people aged 75 years and over, 2018-19

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# Number of people dispensed five or more medicines per 100,000 people aged 75 years and over, 2018-19

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| Identifying and definitional attributes | |
| Metadata item type: | Indicator |
| Indicator type: | Indicator |
| Short name: | People dispensed 5 or more medicines, 75 years and over, 2018-19 |
| METEOR identifier: | 726365 |
| Registration status: | [Australian Commission on Safety and Quality in Health Care](https://meteor-uat.aihw.gov.au/RegistrationAuthority/2), Standard 27/04/2021 |
| Description: | Number of people dispensed 5 or more medicines per 100,000 people aged 75 years and over, age-sex standardised. |
| Indicator set: | [Australian Atlas of Healthcare Variation 2021](https://meteor-uat.aihw.gov.au/content/723541)  [Australian Commission on Safety and Quality in Health Care](https://meteor-uat.aihw.gov.au/RegistrationAuthority/2), Standard 27/04/2021 |

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| Collection and usage attributes | |
| Population group age from: | 75 years and over |
| Computation description: | **Inclusion codes and additional requirement**   |  |  | | --- | --- | | **Anatomical** **Therapeutic** **Chemical** **(ATC) code** | **Additional requirement** | | ATC codes at the fourth level | Dispensing of 5 or more medicines with different ATC codes at the fourth level (e.g. A10BA). Each medicine must have had 4 or more prescriptions dispensed for it in the year. Medicines are not counted as distinct if they have different ATC codes at the fifth level. |     **Exclusion codes and description**   |  |  | | --- | --- | | **Anatomical** **Therapeutic** **Chemical** **(ATC) code** | **ATC description** | | Anti-bacterials for systemic use | | | J01 | Anti-bacterials for systemic use | | Dermatologicals for topical use | | | D01A | Antifungals for topical use | | D02 | Emollients and protectives | | D04 | Anti-pruritics, incl. antihistamines, anesthetics, etc. | | D05A | Anti-psoriatics for topical use | | D06 | Antibiotics and chemotherapeutics for dermatological use | | D07 | Corticosteroids, dermatological preparations | | D08 | Antiseptics and disinfectants | | D10A | Anti-acne preparations for topical use | | D11A | Other dermatological preparations | | G01A | Anti-infectives and antiseptics, excl. combinations with corticosteroids | | V04 | Diagnostic agents | | V06 | General nutrients | | V07 | All other non-therapeutic products |   **Inclusion codes, description and additional requirement**   |  |  | | --- | --- | | **Patient** **category** | **Description** | | G1 | General Safety Net prescription | | G2 | General non-Safety Net prescription | | C0 | Concessional Safety Net prescription | | C1 | Concessional non-Safety Net prescription | | R0 | Repatriation (Department of Veterans' Affairs  - DVA) Safety Net prescription | | R1 | Repatriation (DVA) non-Safety Net prescription | |  | Include if patient category is unknown |   Presented as a number of people dispensed 5 or more medicines per 100,000 people.  Rates are directly age-sex standardised, to the 30 June 2001 Australian population, using 5-year age groups: 75-79, 80-84, 85 and over.  For more information about age-standardisation in general see the glossary item [**Age-standardised rate.**](https://meteor-uat.aihw.gov.au/content/327276)  A patient’s age is calculated in years as the difference between the patient’s date of birth and date of supply for the prescription. A patient can be in two age groups if the patient was dispensed ten prescriptions before their birthday, and ten prescriptions after their birthday. In this example, half a patient is allocated to the two age groups. Date of birth and sex are as reported on a patient’s last prescription for any medicine, extracted on 07/04/2020.  Prescriptions are allocated to a financial year based on the date the medicine was supplied to the patient.  Analysis by Statistical Area Level 3 (SA3) 2016 is based on the patient's enrolment postcode as last reported by the patient to Medicare, valid at date of supply. If the postcode cannot be allocated to a SA3 (for example, an invalid postcode), the postcode is replaced with the postcode of the dispensing pharmacy.  Suppress data (number and rate) if at least one of the following conditions are met:   * the total denominator is less than 200 * the total numerator is less than 20   Age-sex standardised rates are also suppressed where the denominator for at least one of the age-sex groups used to calculate the rate is below 30 and results of sensitivity analysis indicate that the rates are volatile. However, for SA3 data, if the volatility of the rate is not found to have a material impact on its decile, the rate is published with caution. For more information about the sensitivity analysis, see the [Technical supplement of the Fourth Atlas](https://safetyandquality.gov.au/publications-and-resources/resource-library/fourth-atlas-2021-technical-supplement).  Consequential suppression may be applied to preserve confidentialised data. |
| Computation: | [Numerator ÷ Denominator] x 100,000 |
| Numerator: | Number of people dispensed 5 or more medicines, 75 years and over |
| Numerator data elements: | **Data Element / Data Set**  Pharmaceutical Benefits Scheme (PBS) prescription - Anatomical Therapeutic Chemical (ATC) code, ANN[AANN]  **Data Source**  [Pharmaceutical Benefits Scheme (PBS) data](https://meteor-uat.aihw.gov.au/content/724386)  **Guide for use**  **NMDS / DSS** PBS and RPBS data 2018-19 extracted on 07/04/2020 **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  **Data Source**  [Repatriation Pharmaceutical Benefits Scheme (RPBS) data](https://meteor-uat.aihw.gov.au/content/724388)  **Guide for use**  **NMDS / DSS** PBS and RPBS data 2018-19 extracted on 07/04/2020 **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  [Person—date of birth, DDMMYYYY](https://meteor-uat.aihw.gov.au/content/287007)  **Data Source**  [Pharmaceutical Benefits Scheme (PBS) data](https://meteor-uat.aihw.gov.au/content/724386)  **Guide for use**  **NMDS / DSS** PBS and RPBS data 2018-19 extracted on 07/04/2020 **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  [Pharmaceutical Benefits Scheme (PBS) prescription—patient identifier, identifier N(9)](https://meteor-uat.aihw.gov.au/content/601236)  **Data Source**  [Pharmaceutical Benefits Scheme (PBS) data](https://meteor-uat.aihw.gov.au/content/724386)  **Guide for use**  **NMDS / DSS** PBS and RPBS data 2018-19 extracted on 07/04/2020 **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  [Person—sex, code A](https://meteor-uat.aihw.gov.au/content/602450)  **Data Source**  [Pharmaceutical Benefits Scheme (PBS) data](https://meteor-uat.aihw.gov.au/content/724386)  **Guide for use**  **NMDS / DSS** PBS and RPBS data 2018-19 extracted on 07/04/2020 **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  [Pharmaceutical Benefits Scheme (PBS) prescription—date of supply, DDMMYYYY](https://meteor-uat.aihw.gov.au/content/602767)  **Data Source**  [Pharmaceutical Benefits Scheme (PBS) data](https://meteor-uat.aihw.gov.au/content/724386)  **Guide for use**  **NMDS / DSS** PBS and RPBS data 2018-19 extracted on 07/04/2020 **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  [Pharmaceutical Benefits Scheme (PBS) prescription—patient entitlement status (derived), Commonwealth government assistance scheme code AX](https://meteor-uat.aihw.gov.au/content/604103)  **Data Source**  [Pharmaceutical Benefits Scheme (PBS) data](https://meteor-uat.aihw.gov.au/content/724386)  **Guide for use**  **NMDS / DSS** PBS and RPBS data 2018-19 extracted on 07/04/2020 **Guide for use**  Data source type: Administrative by-product data |
| Denominator: | Total population aged 75 years and over, as at 30 June 2018 |
| Denominator data elements: | **Data Element / Data Set**  [Person—estimated resident population of Australia, total people N[N(7)]](https://meteor-uat.aihw.gov.au/content/388656)  **Data Source**  [ABS Australian Demographic Statistics](https://meteor-uat.aihw.gov.au/content/657459)  **Guide for use**  Data source type: Census based plus administrative by-product data    **Data Element / Data Set**  [Person—estimated resident population of Australia, total people N[N(7)]](https://meteor-uat.aihw.gov.au/content/388656)  **Data Source**  [ABS Regional Population by Age and Sex, Australia](https://meteor-uat.aihw.gov.au/content/724384)  **Guide for use**  Data source type: Census based plus administrative by-product data |
| Disaggregation: | SA3 2016 by:  Remoteness (ASGS Remoteness structure 2016  Socio-Economic Indexes for Areas (SEIFA 2016) Index of Relative Socioeconomic Disadvantage (IRSD 2016)  Primary Health Network (PHN) 2017 by:  ·         age group (75-84 years, 85 years and over, 75 years and over)  State and territory  Australia by: ·         age group (75-84 years, 85 years and over, 75 years and over) and number of medicines (5 or more, 6 or more,....10 or more, 11 or more medicines), presented as percentage of people for each age group. |
| Disaggregation data elements: | **Data Element / Data Set**  **Data Source**  [Repatriation Pharmaceutical Benefits Scheme (RPBS) data](https://meteor-uat.aihw.gov.au/content/724388)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  [Person—date of birth, DDMMYYYY](https://meteor-uat.aihw.gov.au/content/287007)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  [Pharmaceutical Benefits Scheme (PBS) prescription—date of prescribing, DDMMYYYY](https://meteor-uat.aihw.gov.au/content/602772)  **Guide for use**  **NMDS / DSS** PBS and RPBS data 2018-19 extracted on 07/04/2020  **Guide for use** GPO postcodes 2001, 2124, 3001, 4001, 5001, 6843 excluded from the SA3 and PHN level analysis but included in state/territory and national level analysis.  Data source type: Administrative by-product data  Used for disaggregation by Statistical Area Level 3.    **Data Element / Data Set**  [Address—Australian postcode, code (Postcode datafile) NNNN](https://meteor-uat.aihw.gov.au/content/611398)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  [Address—statistical area, level 3 (SA3) code (ASGS 2016) NNNNN](https://meteor-uat.aihw.gov.au/content/723561)  **Guide for use**  Data source type: Administrative by-product data |
| Representational attributes | |
| Representation class: | Rate |
| Data type: | Integer |
| Unit of measure: | Person |
| Format: | NN[NNNN] |
| Data source attributes | |
| Data sources: | **Data Source**  [ABS Australian Demographic Statistics](https://meteor-uat.aihw.gov.au/content/657459)  **Frequency**  Quarterly  **Data custodian**  Australian Bureau of Statistics    **Data Source**  [Repatriation Pharmaceutical Benefits Scheme (RPBS) data](https://meteor-uat.aihw.gov.au/content/724388)  **Frequency**  Daily  **Data custodian**  Australian Government Department of Health    **Data Source**  [Pharmaceutical Benefits Scheme (PBS) data](https://meteor-uat.aihw.gov.au/content/724386)  **Frequency**  Daily  **Data custodian**  Australian Government Department of Health    **Data Source**  [ABS Regional Population by Age and Sex, Australia](https://meteor-uat.aihw.gov.au/content/724384)  **Frequency**  Annually  **Data custodian**  Australian Bureau of Statistics |
| Accountability attributes | |
| Methodology: | Statistical Area Level 3 (SA3s) are geographic areas defined in the ABS Australian Statistical Geography Standard (ASGS). The aim of SA3s is to create a standard framework for the analysis of ABS data at the regional level through clustering groups of SA2s that have similar regional characteristics. There are 340 spatial SA3s covering the whole of Australia without gaps or overlaps. They are designed to provide a regional breakdown of Australia. SA3s generally have a population of between 30,000 and 130,000 people. There are approximately 78 with fewer than 30,000 people and 46 with more than 130,000 as at 30 June 2016. The Other Territories of Jervis Bay, Cocos (Keeling) Islands, Christmas Island and Norfolk Island are each represented by a SA3 in the 2016 ASGS. For further information see the ABS publication, Population by Age and Sex, Regions of Australia, 2016. ABS. cat. no. 3235.0.  The Anatomical Therapeutic Chemical (ATC) code is recommended by the World Health Organization (WHO) as an internationally accepted classification for presenting and comparing drug usage data. Since 1982, the WHO Collaborating Centre for Drug Statistics Methodology (WHOCC), located in Norway, has been the central body responsible for coordinating ATC use. Note that the ATC codes used in this specification are from the Australian Department of Health’s version of the WHO ATC classifications, which have some minor differences from the WHO version, based upon a particular drug’s usage in Australia. For further information, please see the [Department of Health’s ATC version](http://www.pbs.gov.au/browse/body-system)[.](https://www.pbs.gov.au/browse/body-system)  The mapping of PBS drugs to ATC codes is available via the [Item Code to Drug Mapping File](http://www.pbs.gov.au/info/statistics/dos-and-dop/dos-and-dop).  This indicator is based on the[OECD Prescribing Indicator 8](http://www.oecd.org/statistics/data-collection/Health Care Quality Indicators_guidelines.pdf) (page 57). |
| Reporting requirements: | Australian Commission on Safety and Quality in Health Care  *Australian Atlas of Healthcare Variation 2021* |
| Organisation responsible for providing data: | Australian Institute of Health and Welfare |
| Accountability: | Australian Commission on Safety and Quality in Health Care |
| Release date: | 28/04/2021 |
| Source and reference attributes | |
| Submitting organisation: | Australian Commission on Safety and Quality in Health Care |