

Number of PBS/RPBS prescriptions dispensed for proton pump inhibitor medicines per 100,000 people aged 75 years and over, 2018-19

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Number of PBS/RPBS prescriptions dispensed for proton pump inhibitor medicines per 100,000 people aged 75 years and over, 2018-19

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	Proton pump inhibitor medicines dispensing, 75 years and over, 2018-19
METEOR identifier:	726379
Registration status:	Australian Commission on Safety and Quality in Health Care, Standard 27/04/2021
Description:	Number of PBS/RPBS prescriptions dispensed for proton pump inhibitor medicines per 100,000 people, 75 years and over, age-sex standardised.
Indicator set:	Australian Atlas of Healthcare Variation 2021 Australian Commission on Safety and Quality in Health Care, Standard 27/04/2021

Collection and usage attributes

Population group age from: 75 years and over

Computation description: Inclusion codes and description

Anatomical Therapeutic Chemical (ATC) code	Description (drug name)
A02BC	ESOMEPRAZOLE
A02BC	LANSOPRAZOLE
A02BC	OMEPRAZOLE
A02BC	PANTOPRAZOLE
A02BC	RABEPRAZOLE

Inclusion codes and description

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 the following rates:

(a) number of prescriptions per 100,000 people

(b) number of people dispensed a proton pump inhibitor medicine per 100,000 people

(c) number of defined daily doses (DDD) per 1,000 people per day

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 glossary item [Age-standardised rate](#).

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 a prescription before their birthday, and a prescription after their birthday. In this example, one prescription and half a patient are 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 27/03/2020.

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 the 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](#).

Consequential suppression may be applied to preserve confidentialised data.

Computation:

- (a), (b) $[\text{Numerator} \div \text{Denominator}] \times 100,000$
- (c) $[\text{Numerator} \times 1,000] \div [\text{Denominator} \times 365]$

Numerator:

- (a) Number of proton pump inhibitor prescriptions dispensed, 75 years and over
- (b) (i) Number of people, 75 years and over, dispensed at least one proton pump inhibitor prescription
- (ii) Number of people, 75 years and over, dispensed at least four proton pump inhibitor prescriptions
- (c) Number of DDD of proton pump inhibitor medicines dispensed $[\text{mass amount} \times \text{quantity dispensed} \div \text{DDD amount}]$

Numerator data elements:

Data Element / Data Set

Defined daily dose amount, N(3.3)

Guide for use

Data Source: WHO Collaborating Centre for Drug Statistics Methodology

Data Element / Data Set

Pharmaceutical Benefits Scheme (PBS) prescription - Anatomical Therapeutic Chemical (ATC) code, ANN (AANN)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use

NMDS / DSS

PBS and RPBS data 2018-19 extracted on 27/03/2020

Data source type: Administrative by-product data

Data Element / Data Set

Pharmaceutical Benefits Scheme (PBS) prescription - mass amount, N(5.3)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use

NMDS / DSS

PBS and RPBS data 2018-19 extracted on 27/03/2020

Data source type: Administrative by-product data

Data Element / Data Set

[Person—date of birth, DDMMYYYY](#)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use

NMDS / DSS

PBS and RPBS data 2018-19 extracted on 27/03/2020

Data source type: Administrative by-product data

Data Element / Data Set

[Pharmaceutical Benefits Scheme \(PBS\) prescription—patient identifier, identifier N\(9\)](#)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use

NMDS / DSS

PBS and RPBS data 2018-19 extracted on 27/03/2020

Data source type: Administrative by-product data

Data Element / Data Set

[Pharmaceutical Benefits Scheme \(PBS\) prescription—quantity of PBS item supplied, total number N\[NNN\]](#)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use

NMDS / DSS

PBS and RPBS data 2018-19 extracted on 27/03/2020
Data source type: Administrative by-product data

Data Element / Data Set

[Person—sex_code A](#)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use**NMDS / DSS**

PBS and RPBS data 2018-19 extracted on 27/03/2020
Data source type: Administrative by-product data

Data Element / Data Set

[Pharmaceutical Benefits Scheme \(PBS\) prescription—date of supply. DDMMYYYY](#)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use**NMDS / DSS**

PBS and RPBS data 2018-19 extracted on 27/03/2020
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](#)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use**NMDS / DSS**

PBS and RPBS data 2018-19 extracted on 27/03/2020
Data source type: Administrative by-product data

Denominator:

(a), (b), (c) Total population, 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\(7\)\]](#)

Data Source

[ABS Australian Demographic Statistics](#)

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\(7\)\]](#)

Data Source

[ABS Regional Population by Age and Sex, Australia](#)

Guide for use

Data source type: Census based plus administrative by-product data

Disaggregation:

SA3 2016

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:

- dose category (high, standard, low and all doses)

Updated information on dose category is available at [Proton pump inhibitors PBS changes](#)

State and territory

Australia

- number of proton pump inhibitor medicines dispensed, 75 years and over, by month for each dose category

(b) PHN 2017

State and territory

(c) State and Territory

Disaggregation data elements:

Data Element / Data Set

[Address—Australian postcode, code \(Postcode datafile\) NNNN](#)

Data Source

[Pharmaceutical Benefits Scheme \(PBS\) data](#)

Guide for use

NMDS / DSS

PBS and RPBS data 2018-19 extracted on 27/03/2020
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](#)

Data Source

[Repatriation Pharmaceutical Benefits Scheme \(RPBS\) data](#)

Guide for use

NMDS / DSS

PBS and RPBS data 2018-19 extracted on 27/03/2020
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—statistical area, level 3 \(SA3\) code \(ASGS 2016\) NNNNN](#)

Guide for use

NMDS / DSS

PBS and RPBS data 2018-19 extracted on 27/03/2020
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.

Representational attributes

Representation class:

Rate

Data type:

Integer

Unit of measure:

Service event

Format:

Unit of measure:

(a) Prescription event (b) People (c) Defined Daily Dose

NN[NNNN]

Data source attributes

Data sources:

<p>Data Source</p> <p>ABS Australian Demographic Statistics</p> <p>Frequency</p> <p>Quarterly</p> <p>Data custodian</p> <p>Australian Bureau of Statistics</p>
<p>Data Source</p> <p>Pharmaceutical Benefits Scheme (PBS) data</p> <p>Frequency</p> <p>Daily</p> <p>Data custodian</p> <p>Australian Government Department of Health</p>
<p>Data Source</p> <p>ABS Regional Population by Age and Sex, Australia</p> <p>Frequency</p> <p>Annually</p> <p>Data custodian</p> <p>Australian Bureau of Statistics</p>
<p>Data Source</p> <p>Repatriation Pharmaceutical Benefits Scheme (RPBS) data</p> <p>Frequency</p> <p>Daily</p> <p>Data custodian</p> <p>Australian Government Department of Health</p>

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. The Department of Health's ATC version is available at [Browse by Body System](#).

Mapping file of PBS drugs to ATC codes is available at the downloadable file [Item Code to Drug mapping file](#).

Medicines purchased over the counter are not in scope.

Further information on DDD/1,000/day is available at [WHO DDD Indicators](#).

DDD amounts are available at the [WHOCC - ATC/DDD Index](#).

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