

# **National Healthcare Agreement: PI 33—Full time equivalent employed health practitioners per 1,000 population (by age group), 2022**

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# National Healthcare Agreement: PI 33–Full time equivalent employed health practitioners per 1,000 population (by age group), 2022

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Progress measure
<b>Short name:</b>	PI 33–Full time equivalent health workforce, 2022
<b>METEOR identifier:</b>	740740
<b>Registration status:</b>	<a href="#">Health</a> , Standard 24/09/2021
<b>Description:</b>	Full-time equivalent (FTE) employed health practitioners per 100,000 population (for the registered professions of medical practitioners, nurses/midwives, dentists, allied dental practitioners and allied health practitioners).
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2022)</a> <a href="#">Health</a> , Standard 24/09/2021
<b>Outcome area:</b>	<a href="#">Sustainability</a> <a href="#">Health</a> , Standard 07/07/2010

## Collection and usage attributes

<b>Computation description:</b>	<p>For this indicator, the workforce for each profession is defined as those employed in Australia in the profession. This excludes those who are registered in the profession but are retired from regular work, working outside the profession, working in the profession but on extended leave of 3 months or more or working outside Australia.</p> <p>FTE number = Total hours worked by workforce ÷ Standard working week for selected professions.</p> <p>For the purpose of this indicator, a full-time working week has been defined as 40 hours for medical practitioners and as 38 hours for all other practitioners.</p> <p>Allied dental practitioners comprise dental therapists, dental prosthetists, dental hygienists and oral health therapists.</p> <p>Allied health practitioners comprise Aboriginal and Torres Strait Islander health practitioners, Chinese medicine practitioners, chiropractors, medical radiation practitioners, occupational therapists, optometrists, osteopaths, pharmacists, physiotherapists, podiatrists and psychologists.</p> <p>Since 2012–13, data have been presented as a <i>rate per 100,000 population</i> to improve interpretability (previously per 1,000 population).</p>
<b>Computation:</b>	$100,000 \times (\text{Numerator} \div \text{Denominator})$
<b>Numerator:</b>	FTE number in the workforce in the reference year

**Numerator data elements:****Data Element / Data Set****Data Element**

Health profession—registered profession code, code AAAA

**Data Source**

[National Health Workforce Data Set](#)

**Guide for use**

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

**Data Element / Data Set****Data Element**

Total FTE—based on hours worked (in all jobs), total NNN

**Data Source**

[National Health Workforce Data Set](#)

**Guide for use**

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

**Denominator:**

Australian population in the reference year

**Denominator data elements:****Data Element / Data Set**

[Person—estimated resident population of Australia, total people N\[N\(7\)\]](#)

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Guide for use**

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

**Disaggregation:**

2020—State and territory by age group by profession for the following professions:

- medical practitioners
- nursing and midwifery
- dentists
- allied dental practitioners
- allied health practitioners

**Disaggregation data elements:**

**Data Element / Data Set**

**Data Element**

Age group—age

**Data Source**

[National Health Workforce Data Set](#)

**Guide for use**

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

**Data Element / Data Set**

**Data Element**

Health profession—registered profession code, code AAAA

**Data Source**

[National Health Workforce Data Set](#)

**Guide for use**

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

**Data Element / Data Set**

**Data Element**

State—Australian state/territory identifier

**Data Source**

[National Health Workforce Data Set](#)

**Guide for use**

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

Practitioners are allocated to a State or Territory based on postcode of main job where available, otherwise, postcode of principal practice is used as a proxy. If principal practice details are unavailable, postcode of residence is used. Records with no information on all 3 locations are coded to 'not stated'.

**Comments:** Most recent data available for the 2022 National Healthcare Agreement performance reporting: 2020.

The 2020 National Health Workforce Dataset was sourced from the Australian Government Department of Health.

FTE employed health practitioner rates calculated from the National Health Workforce Data Set are available on a national basis from 2011.

For medical practitioners, nurses and midwives, dentists, allied dental practitioners and allied health practitioners, 10-year age groups will be needed to support the disaggregation by state and territory. Age groups are: under 25, 25–34, 35–44, 45–54, 55–64 and 65 or over.

Status of the calculation of full-time equivalent employed health practitioner rate for professions is:

1. Medical practitioner workforce: Data for 2020 are available.
2. Nursing and midwifery workforce: Data for 2020 are available.
3. Dental workforce: Data for 2020 are available.
4. Allied health workforce: Data for 2020 are available. The allied health workforce comprises the professions of Aboriginal and Torres Strait Islander health practitioners, Chinese medicine practitioners, chiropractors, medical radiation practitioners, occupational therapists, optometrists, osteopaths, pharmacists, physiotherapists, podiatrists and psychologists.

Due to rounding of average hours worked, the sum of states and territories' FTE rates may not add up to total FTE rate for Australia and the sum of age groups FTE rates may not add up to total FTE rate for each state. The Australian total includes employed practitioners who did not state or adequately describe their location and employed practitioners who are overseas.

## Representational attributes

<b>Representation class:</b>	Rate
<b>Data type:</b>	Real
<b>Unit of measure:</b>	Person
<b>Format:</b>	N[NNN].N

## Indicator conceptual framework

<b>Framework and dimensions:</b>	<a href="#">Efficiency &amp; Sustainability</a>
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## Data source attributes

**Data sources:****Data Source**

[ABS Estimated resident population \(total population\)](#)

**Frequency**

Quarterly

**Data quality statement**

[ABS Estimated resident population \(total population\), QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[National Health Workforce Data Set](#)

**Data custodian**

Australian Government Department of Health

## Accountability attributes

**Reporting requirements:** National Healthcare Agreement

**Organisation responsible for providing data:** Australian Government Department of Health

**Further data development / collection required:** Specification: Minor work required, the measure needs minor work to meet the intention of the indicator.

## Relational attributes

**Related metadata references:**

Supersedes [National Healthcare Agreement: PI 33–Full time equivalent employed health practitioners per 1,000 population \(by age group\), 2021](#)  
[Health](#), Standard 16/09/2020

See also [Australian Health Performance Framework: PI 2.6.2–Net growth in health workforce, 2020](#)  
[Health](#), Standard 13/10/2021

See also [National Healthcare Agreement: PI 12–Waiting times for GPs, 2022](#)  
[Health](#), Standard 24/09/2021