

National Indigenous Reform Agreement: PI 17-The proportion of Indigenous children (by geographic location as identified by the ASGC), who are enrolled in (and attending, where possible to measure) a preschool program, 2012

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National Indigenous Reform Agreement: PI 17-The proportion of Indigenous children (by geographic location as identified by the ASGC), who are enrolled in (and attending, where possible to measure) a preschool program, 2012

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	PI 17-The proportion of Indigenous children (by geographic location as identified by the ASGC), who are enrolled in (and attending, where possible to measure) a preschool program, 2012
METEOR identifier:	438664
Registration status:	Indigenous , Superseded 13/06/2013
Description:	<p>There are two measures for this indicator:</p> <p>a) The proportion of Indigenous children aged 4 and 5 years who are <i>enrolled</i> in a preschool program, by Indigenous status.</p> <p>b) The proportion of Indigenous children aged 4 and 5 years who are <i>attending</i> a preschool program, by Indigenous status.</p>
Indicator set:	National Indigenous Reform Agreement (2012) Indigenous , Superseded 13/06/2013
Outcome area:	Indigenous children have access to affordable, quality early childhood education in the year before formal schooling as a minimum Indigenous , Superseded 26/09/2013

Collection and usage attributes

Computation description:	Presentation: Percentage.						
Computation:	100 x (Numerator ÷ Denominator)						
Numerator:	<p>(a) The number of children aged 4 and 5 years old as at 1 July of the collection year, who are enrolled in a preschool program by Indigenous status:</p> <ul style="list-style-type: none">• Remoteness.• State/territory. <p>(b) The number of children aged 4 and 5 years old as at 1 July of the collection year, who are attending a preschool program by Indigenous status:</p> <ul style="list-style-type: none">• Remoteness.• State/territory.						
Numerator data elements:	<table><tr><th>Data Element / Data Set</th></tr><tr><td>Person—age (community services), total years N[NN]</td></tr><tr><td>Data Source</td></tr><tr><td>National Early Childhood Education and Care Collection</td></tr><tr><td>Guide for use</td></tr><tr><td>Data source type: administrative by-product data.</td></tr></table>	Data Element / Data Set	Person—age (community services), total years N[NN]	Data Source	National Early Childhood Education and Care Collection	Guide for use	Data source type: administrative by-product data.
Data Element / Data Set							
Person—age (community services), total years N[NN]							
Data Source							
National Early Childhood Education and Care Collection							
Guide for use							
Data source type: administrative by-product data.							

[Person—area of usual residence, geographical location CD code, \(ASGC 2010\) NNNNNNNN](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Data Element / Data Set

[Person—Australian state/territory identifier, code N](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Data Element / Data Set

[Person—date of birth, DDMMYYYY](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Data Element / Data Set

[Service provider organisation—Australian state/territory identifier, code N](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Data Element / Data Set

[Child—preschool service enrolment indicator, code N](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Data Element / Data Set

[Service provider organisation—number of preschool enrolments, total
N\[NNNN\]](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Data Element / Data Set

[Service provider organisation—number of children attending preschool, total
N\[NNNN\]](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Data Element / Data Set

[Service provider organisation—geographic location \(CD\), code \(ASGC 2009\)
NNNNNNN](#)

Data Source

[National Early Childhood Education and Care Collection](#)

Guide for use

Data source type: administrative by-product data.

Denominator:

(a) and (b) Estimated number of children aged 4 years old by Indigenous status:

- Remoteness.
- State/territory.

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: Derived from Census, Post-enumeration survey (PES) and estimates of fertility, mortality, net migration etc.

Data Element / Data Set

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

Data Source

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

Guide for use

Data source type: Derived from Census, PES and estimates of future fertility, mortality, net migration etc.

Disaggregation:

See numerator and denominator.

Comments:

DATA NOT AVAILABLE FOR 2012 REPORTING.

Data were not available to report against this indicator for the baseline or 2011 CRC report.

The National Early Childhood Education and Care (ECEC) data collection has been established to provide nationally consistent estimates on early childhood education and care and support performance reporting.

The first National ECEC Collection was conducted in 2010 and was based on jurisdictional administrative data at the service provider level and the child level. Episodes of preschool delivery rather than counts of children were reported for most jurisdictions in 2010 as not all jurisdictions were able to provide enough detail from their administrative systems to accurately report on counts of children.

An episode is the count of the occurrence of a specific characteristic. For the National ECEC Collection, an episode refers to a preschool program provided to a child. When one child attends two different preschool programs, the child is attending two episodes of preschool. Therefore, statistics presented on episodes of preschools programs may be higher than the number of children enrolled and attending preschool programs, as some children may have multiple episodes.

Data from the 2010 ECEC collection are not deemed of sufficient quality to report in the 2012 CRC report.

Depending on the quality of the data, the second ECEC collection in 2011 is expected to be used to report against this indicator for the first time in the 2013 CRC report. Child level estimates will be available for some but not all jurisdictions as some states are expected to still provide data at the aggregate level for the 2011 ECEC collection.

This Indicator specifies breakdown by geographical location according to ASGC. The ABS is in the process of migrating to the new Australian Statistical Geography Standard (ASGS) from July 2011.

Remoteness disaggregation for the National ECEC Collection allows for reporting by ASGC and Accessibility /Remoteness Index of Australia (ARIA). The child's residential address is used where possible to code geo-location. If not possible, then the address/location of the preschool is used as a proxy. Jurisdictions were not able to provide enough geographical information for the 2010 collection to enable disaggregation by remoteness area and this is likely to be the case for

some jurisdictions for the 2011 collection. It should also be noted that population projections for single year of age for the Indigenous population are 'experimental' and are not available at levels lower than state, which means that this indicator will not be able to be derived at AGSC/ASGS levels by state/territory.

The year before full-time schooling (YBFS) can be conceptualised as Year 1 minus 2. As is the case in the school sector, levels of schooling do not equate neatly to one age group. To include 4 and 5 year olds in the numerator over a single year denominator is consistent with the cohort approach used in schools and is also consistent with the methods used by most states to calculate participation rates for all children in the YBFS as is currently done in the Report on Government Services (ROGS).

A child is considered to be enrolled in a preschool program if they attended a preschool program for at least one hour during the reference week. Children who are absent in the reference period due to illness or holiday leave are considered to be enrolled if they are expected to return.

A child is considered to be attending a preschool program if the child is present at least once during the reference period.

It has been suggested that the proportion of Indigenous children in a preschool program should be reported as a rate and alternatively as a share of Indigenous children in the community. This requires no extra information to be collected, yet provides a more complete picture of Indigenous children in preschool. The share calculation is less sensitive to inaccuracies in population estimates and small changes in enrolment numbers, particularly over time.

In order to calculate the share, the number of four and five year old Indigenous children enrolled in preschool is divided by the total number of children enrolled in preschool. This proportion is then compared with the number of Indigenous four year olds in the population (as a proxy for the children in the year before school), divided by the number of all four year-olds in the community.

The same applies to the proportion of Indigenous children attending a preschool program.

ABS advises caution in the use of single year of age Indigenous population projection data when calculating indicators such as rates, due to the inherent uncertainty in single year of age estimates as a result of quality issues associated with the source data assumptions used to derive estimates, and issues associated with modelling small numbers.

The AIHW is currently undertaking a project to assess alternative data sources which could be used to estimate the Indigenous pre-school aged population which could be considered for future reporting against this indicator.

This indicator meets two COAG specific outcome areas: Indigenous children have access to affordable, quality early childhood education in the year before formal schooling as a minimum and Indigenous children acquire the basic skills for life and learning.

Baseline year for NIRA target (ensure all Indigenous 4 year olds in remote communities have access to quality early childhood education within five years) is 2008; baseline year for this indicator will be 2010; target year is 2013.

Representational attributes

Representation class:	Percentage
Data type:	Real
Unit of measure:	Person

Indicator conceptual framework

Framework and dimensions:	Socioeconomic Factors
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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 Early Childhood Education and Care Collection](#)

Frequency

Annual

Data custodian

Australian Bureau of Statistics

Data Source

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

Frequency

Periodic

Data quality statement

[ABS Indigenous experimental estimates and projections, QS](#)

Data custodian

Australian Bureau of Statistics

Accountability attributes

Organisation responsible for providing data: Australian Bureau of Statistics (for ECEC data collection).

Further data development / collection required: Specification: Interim

Release date: 19/02/2010

Source and reference attributes

Steward: [National Indigenous Reform Agreement Performance Information Management Group](#)

Relational attributes

**Related metadata
references:**

Supersedes [National Indigenous Reform Agreement: PI 17-The proportion of Indigenous children \(by geographic location as identified by the ASGC\), who are enrolled in \(and attending, where possible to measure\) a preschool program Indigenous](#), Superseded 01/07/2012

Has been superseded by [National Indigenous Reform Agreement: PI 10-The proportion of Indigenous children aged 4 and 5 years who are enrolled in, and attending, a preschool program in the year before full-time schooling, by remoteness, 2013 Indigenous](#), Superseded 13/12/2013