

# **First Nations-specific primary health care: PI06b- Proportion of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, December 2023**

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# First Nations-specific primary health care: PI06b- Proportion of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, December 2023

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	PI06b-Proportion of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, December 2023
<b>METEOR identifier:</b>	787957
<b>Registration status:</b>	<a href="#">Indigenous</a> , Standard 25/02/2024
<b>Description:</b>	<p>Proportion of <a href="#">First Nations regular clients</a> with type 2 diabetes whose glycated haemoglobin (HbA1c) measurement result, recorded within either the previous 6 months or 12 months, was categorised as one of the following:</p> <ul style="list-style-type: none"><li>• less than or equal to 7% (less than or equal to 53 mmol/mol)</li><li>• greater than 7% but less than or equal to 8% (greater than 53 mmol/mol but less than or equal to 64 mmol/mol)</li><li>• greater than 8% but less than 10% (greater than 64 mmol/mol but less than 86 mmol/mol) or</li><li>• greater than or equal to 10% (greater than or equal to 86 mmol/mol).</li></ul>
<b>Rationale:</b>	Diabetes is a major cause of morbidity and mortality among First Nations people. Monitoring HbA1c levels plays a key role in diabetes management by providing a longer-term perspective on blood sugar control.
<b>Indicator set:</b>	<a href="#">Aboriginal and Torres Strait Islander specific primary health care national key performance indicators December 2023</a> <a href="#">Indigenous</a> , Standard 25/02/2024

## Collection and usage attributes

<b>Computation description:</b>	<p>Proportion of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 6 months or 12 months, was categorised as one of the following:</p> <ul style="list-style-type: none"><li>• less than or equal to 7% (less than or equal to 53 mmol/mol)</li><li>• greater than 7% but less than or equal to 8% (greater than 53 mmol/mol but less than or equal to 64 mmol/mol)</li><li>• greater than 8% but less than 10% (greater than 64 mmol/mol but less than 86 mmol/mol) or</li><li>• greater than or equal to 10% (greater than or equal to 86 mmol/mol).</li></ul> <p>Presented as a percentage.</p> <p>Exclude type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, impaired fasting glucose (IFG), impaired glucose tolerance (IGT).</p> <p>Calculated separately for each HbA1c range, for each time period.</p> <p>Include only the most recent HbA1c measurement from each time period.</p> <p>If the client has had their HbA1c measured more than once in the relevant period, only the most recently recorded result is included in this calculation.</p>
<b>Computation:</b>	$(\text{Numerator} \div \text{Denominator}) \times 100$

**Numerator:**

Calculation A: Number of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 6 months, was less than or equal to 7% (less than or equal to 53 mmol/mol).

Calculation B: Number of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 6 months, was greater than 7% but less than or equal to 8% (greater than 53 mmol/mol but less than or equal to 64 mmol/mol).

Calculation C: Number of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 6 months, was greater than 8% but less than 10% (greater than 64 mmol/mol but less than 86 mmol/mol).

Calculation D: Number of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 6 months, was greater than or equal to 10% (greater than or equal to 86 mmol/mol).

Calculation E: Number of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 12 months, was less than or equal to 7% (less than or equal to 53 mmol/mol).

Calculation F: Number of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 12 months, was greater than 7% but less than or equal to 8% (greater than 53 mmol/mol but less than or equal to 64 mmol/mol).

Calculation G: Number of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 12 months, was greater than 8% but less than 10% (greater than 64 mmol/mol but less than 86 mmol/mol).

Calculation H: Number of First Nations regular clients with type 2 diabetes whose HbA1c measurement result, recorded within the previous 12 months, was greater than or equal to 10% (greater than or equal to 86 mmol/mol).

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

[Person—diabetes mellitus status, code NN](#)

**Data Source**

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

**NMDS / DSS**

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

**Guide for use**

Type 2 diabetes only.

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

**NMDS / DSS**

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

**Guide for use**

First Nations only.

**Data Element / Data Set**

[Person—regular client indicator, yes/no code N](#)

**Data Source**

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

**NMDS / DSS**

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

**Guide for use**

Regular client only.

**Data Element / Data Set**

[Person—glycated haemoglobin level, code N](#)

**Data Source**

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

**NMDS / DSS**

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

**Guide for use**

Response to this is conditional on responding 'yes' to having had an HbA1c measurement result recorded within the previous 6 or 12 months.

**Denominator:**

Calculation A, B, C, D: Total number of First Nations regular clients with type 2 diabetes who had an HbA1c measurement result recorded within the previous 6 months.

Calculation E, F, G, H: Total number of First Nations regular clients with type 2 diabetes who had an HbA1c measurement result recorded within the previous 12 months.

**Denominator data elements:**

**Data Element / Data Set**

[Person—diabetes mellitus status, code NN](#)

**Data Source**

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

**NMDS / DSS**

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

**Guide for use**

Type 2 diabetes only.

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

**NMDS / DSS**

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

**Guide for use**

First Nations only.

**Data Element / Data Set**

[Person—regular client indicator, yes/no code N](#)

**Data Source**

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

**NMDS / DSS**

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

**Guide for use**

Regular clients only.

**Data Element / Data Set**

[Person—glycated haemoglobin measurement result recorded indicator, yes/no code N](#)

**Data Source**

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

**NMDS / DSS**

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

**Guide for use**

Glycated haemoglobin measurement result recorded only.

**Disaggregation:**

1. Sex:
  - a) Male
  - b) Female.
2. Age group:
  - a) 0–4 years
  - b) 5–14 years
  - c) 15–24 years
  - d) 25–34 years
  - e) 35–44 years
  - f) 45–54 years
  - g) 55–64 years
  - h) 65 years and over.

## Disaggregation data elements:

### Data Element / Data Set

[Person—age, total years N\[NN\]](#)

#### Data Source

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

#### NMDS / DSS

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

### Data Element / Data Set

[Person—sex, code X](#)

#### Data Source

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

#### NMDS / DSS

[Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](#)

#### Guide for use

Male and female only.

## Comments:

Census date for reporting is 31 December 2023.

## Representational attributes

**Representation class:** Percentage

**Data type:** Real

**Unit of measure:** Person

**Format:** N[NN].N

## Indicator conceptual framework

**Framework and dimensions:** [Effective/Appropriate/Efficient](#)

## Data source attributes

### Data sources:

#### Data Source

[Aboriginal and Torres Strait Islander specific primary health care national Key Performance Indicators \(nKPI\) data collection](#)

#### Frequency

6 monthly

#### Data custodian

Australian Institute of Health and Welfare.

## Accountability attributes

<b>Reporting requirements:</b>	Funding agreements between the Department of Health and Aged Care and the organisations funded under the Indigenous Australians' Health Programme (IAHP).
<b>Organisation responsible for providing data:</b>	First Nations-specific primary health care organisations or maternal and child health programs/services funded by the Department of Health and Aged Care under its IAHP, referred to as <b>funded organisations</b> .
<b>Accountability:</b>	Australian Institute of Health and Welfare/Department of Health and Aged Care

## Source and reference attributes

**Submitting organisation:** Australian Institute of Health and Welfare

## Relational attributes

<b>Related metadata references:</b>	<p>Supersedes <a href="#">Indigenous-specific primary health care: PI06b-Proportion of Indigenous regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, June 2023</a>  <a href="#">Indigenous</a>, Superseded 25/02/2024</p> <p>Has been superseded by <a href="#">First Nations-specific primary health care: PI06b-Proportion of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, June 2024</a>  <a href="#">Indigenous</a>, Qualified 17/04/2024</p> <p>See also <a href="#">First Nations-specific primary health care: PI06a-Number of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, December 2023</a>  <a href="#">Indigenous</a>, Standard 25/02/2024</p>
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