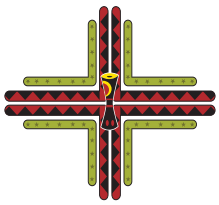
MedicalDirector®

nKPI

Data Reference Manual for Medical Director

JANUARY 2023

QAIHC
Queensland Aboriginal and Islander Health Council



TAIHS

Townsville Aboriginal &
Islander Health Service

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nKPI:

nKPI: PI01

Birthweight recorded

Description:

Proportion of Indigenous babies born in the 12 months up to the census date who attended the organisation more than once whose birth weight was recorded.

Current %	
National Current %	73.7%
National Target %	100%

Primary Responsibility

- New Directions
- Nurses/AWA
- GPs

Improvement Strategies

- Data entry training for staff
- New Directions to follow up clients
- Seek hospital discharge summary

Action

- The birthweight is to be taken from the baby's client record where available
- Where a baby does not have a separate client record, the mother's record may be used as a source of birth details
- The date of the weight recorded must match the babies' date of birth.

Numerator

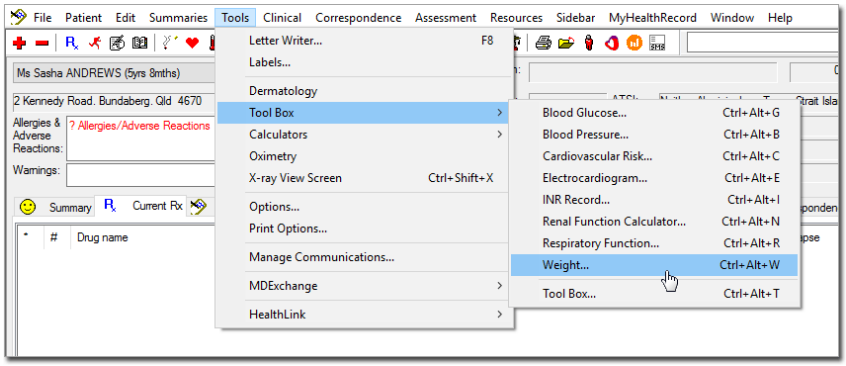
- Number of Indigenous babies born in the 12 months up to the census date who attended the organisation more than once whose birth-weight was recorded.

Denominator

- Number of Indigenous babies born in the 12 months up to the census date who attended the organisation more than once.

Data Entry Field

1. Open a patient's record
2. Select on Tools > Toolbox > weight
3. Paediatric percentile charts will be displayed
4. Enter a value for weight (Modify patient's date of birth)
5. Click Save



nKPI: PI02

Birthweight result (low, normal or high)

Description:

Proportion of Indigenous babies born in the 12 months up to the census date who attended the organisation more than once and whose birth weight result was:

- low (less than 2,500 grams)
- normal (2,500 grams to less than 4,500 grams)
- high (4,500 grams and over).

Current %	
National Current %	13.2%
National Target %	n/a

Primary Responsibility

- New Directions
- Nurses/AWA
- GPs

Improvement Strategies

- Referrals to new Directions
- Antenatal visits follow ups
- Strong linkages with local hospital and health services Data entry field

Action

- The birthweight is to be taken from the baby's client record where available.
- Where a baby does not have a separate client record, the mother's record may be used as a source of birth details.
- All births in the last 12 months are considered, whether the infant was a regular client or not.
- The infant must have at least one recorded visit to the health service.
- Exclude babies with unknown birthweight=

Numerator

- Number of Indigenous babies born in the 12 months up to the census date who attended the organisation more than once whose birth-weight result was within specified categories.

Denominator

- Number of Indigenous babies born in the 12 months up to the census date who attended the organisation more than once whose birth-weight was recorded.

Data Entry Field

1. Open a patient's record
2. Select on Tools > Toolbox > weight
3. Paediatric percentile charts will be displayed
4. Enter a value for weight (Modify patient's date of birth)
5. Click Save

Disaggregation

- **Birthweight result:** Low, normal, high

nKPI: PI03

Indigenous Health Assessment completed

Description:

Proportion of Indigenous regular clients with a current completed Indigenous health assessment, consisting of:

- Proportion of Indigenous regular clients aged 0–14 with an Indigenous health assessment (In-person MBS items: 715, 228; Telehealth MBS items: 92004, 92016, 92011, 92023) completed in the 12 months up to the census date.

AND

- Proportion of Indigenous regular clients aged 15 and over with an Indigenous health assessment (In-person MBS items: 715, 228; or Telehealth MBS items: 92004, 92016, 92011, 92023) completed in the 24 months up to the census date.

Current %	
National Current %	0–4yrs 37% +25yrs 52%
National Target %	0–4yrs 39% 25yrs &63+ 74%

Primary Responsibility

- Clinic staff

Improvement Strategies

- ICHW to assist families to clinic
- Separate program/clinic data in BP
- Continue to develop new incentive shirts

Action

- Patient must have had at least one MBS claim where the 'date lodged' falls in the previous 12 or 24 months
- The claim is required to be transmitted to Medicare and the payment report requested and returned.

Numerator

- Calculation A: Ages 0-14: Number of Indigenous regular clients who had an Indigenous health assessment completed in the 12 months up to the census date
- Calculation B: Ages 15 and over: Number of Indigenous regular clients who had an Indigenous health assessment completed in the 24 months up to the census date.

Denominator

- Number of Indigenous regular clients

Data Entry Field

n/a

Disaggregation

- **Age:** 0–4 years, 5–14 years, 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, 65 years and older
- **Gender:** Male and Female
- **Type of health Assessment:** In-person MBS- rebated Indigenous health assessment, telehealth MBS- rebated Indigenous health assessment.

nKPI: PI05

HbA1c recorded (Type 2 Diabetes patients)

Description:

Proportion of regular clients with Type 2 diabetes and who have had an HbA1c measurement result recorded.

Proportion of Indigenous regular clients who have either:

- Type 2 diabetes and who have had an HbA1c measurement result recorded within the previous **6 months**
- Type 2 diabetes and who have had an HbA1c measurement result recorded within the previous **12 months**

Current %	
National Current %	6 mths 52%
National Target %	6 mths 69%

Primary Responsibility

- New Directions
- Nurses/AWA
- GPs

Improvement Strategies

- Screening updated
- DCC updated every visit
- Increase nurse visits

Action

- Only Type 2 diabetes is considered.
- Any qualifier with a system code of HBA and units of % or a system code of HBM and units of mmol/mol is considered an HbA1c measurement.
- Clinicians must record HbA1c results correctly. They should not enter a % result in the HbA1c qualifier or a mmol/mol result in the HbA1c (%) qualifier

Numerator

- Number of Indigenous regular clients with Type 2 diabetes who had HbA1c measurement result recorded in the:
  - 6 months up to the census date
  - 12 months up to the census date

Denominator

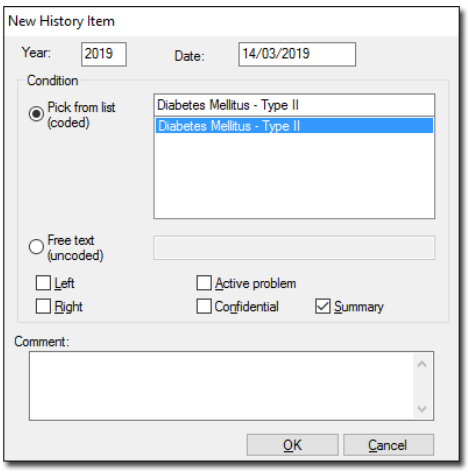
- Number of Indigenous regular patients with Type 2 diabetes.

Data Entry Field

1. Click Result
2. Click Add
3. In subject field key HbA1
4. In results key readings (or example 7.8%)
5. Click Save

Disaggregation

- **Age:** 0–4 years, 5–14 years, 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, 65 years and older
- **Gender:** Male and Female
- **Duration:** 6 months and 12 months



nKPI: PI06

HbA1c results (Type 2 Diabetes patients)

Description:

Proportion of Indigenous regular clients with Type 2 diabetes whose HbA1c measurement result was within a specified level.

Number of Indigenous regular clients who have Type 2 diabetes and who have had an HbA1c measurement result recorded within the previous 6 or 12 months.

Current %	
National Current %	(6 mths ≤7%) 39%

Primary Responsibility

- Nurses
- AHW
- GPs

Improvement Strategies

- Screening updated
- DCC updated every visit
- Increase nurse visits

Action

- Only Type 2 diabetes is considered
- Clinicians must record HbA1c results correctly. They should not enter a % result in the HbA1c qualifier or a mmol/mol result in the HbA1c (%) qualifier
- Only the most recent HbA1c measurement result for each time period is considered.

Numerator

- Number of Indigenous regular clients with Type 2 diabetes who had HbA1c measurement result recorded in the:
  - 6 months up to the census date
  - 12 months up to the census date

Denominator

- Number of Indigenous regular clients with Type 2 diabetes who had HbA1c measurement result recorded in the:
  - 6 months up to the census date
  - 12 months up to the census date

Data Entry Field

1. Open a patient's record
2. Select on Clinical > Diabetes Record
3. The Diabetes Follow up window appears
4. Click Add values > The Diabetes Record window appears
5. Input a value for HbA1c (either % or mmol/mol)
6. Click Save

Disaggregation

- **Age:** 0–4 years, 5–14 years, 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, 65 years and older
- **Gender:** Male and Female
- **Duration:** 6 months and 12 months
- **HbA1c measurement result**

nKPI: PI07

Chronic Disease Management Plan prepared

Description:

Proportion of Indigenous regular clients with a chronic disease (Type 2 diabetes) for whom a chronic disease management plan (IN-person MBS items: 721, 229; Telehealth MBS items: 92024, 92068, 92055or 92099).

Proportion of Indigenous regular clients who have Type 2 diabetes and who have received a GP Management Plan (MBS Item 721) within the previous 24 months up to the census date.

Current %	
National Current %	56%

Primary Responsibility

- GPs
- AHW
- Nurses

Improvement Strategies

- Appoint Chronic Disease Team Leader
- Expand Integrated Team Care team
- Follow up MBS item 813000 visits

Action

- Do not include patients with type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, impaired fasting glucose or impaired glucose tolerance
- Do not include patients who have only had a GP Management Plan review (Medicare Item 732) within the recording period.

Numerator

- Number of Indigenous regular clients with type 2 diabetes for whom an included chronic disease management plan was prepared in the 24 months up to the census date.

Denominator

- Number of Indigenous regular clients' patients with Type 2 diabetes.

Data Entry Field

- The method for creating and processing a 715 claim can be seen in PI03
- A history of Type 2 Diabetes may be added to the patient file by following the method outlined in PI05.

Disaggregation

- **Age:** 0–4 years, 5–14 years, 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, 65 years and older
- **Gender:** Male and Female
- **Type of chronic disease management plan**

nKPI: PI09

Smoking status recorded

Description:

Proportion of Indigenous regular clients aged 11 and over whose smoking status was recorded in the 24 months up to the census date.

Current %	
National Current %	83%

Primary Responsibility

- Clinic staff
- New Directions
- TIS

Improvement Strategies

- Continue to benchmark for TIS
- AHW include in screenings
- Extract clients who have no data for follow up

Action

- Patient's smoking status is recorded in the smoking tab in the patient's details menu
- Results arising from measurements conducted outside of the organsation that are known by the organisation should be included.

Numerator

- The number of regular Indigenous aged over 11 have had their smoking status recorded in the 24 months up to the census date.

Denominator

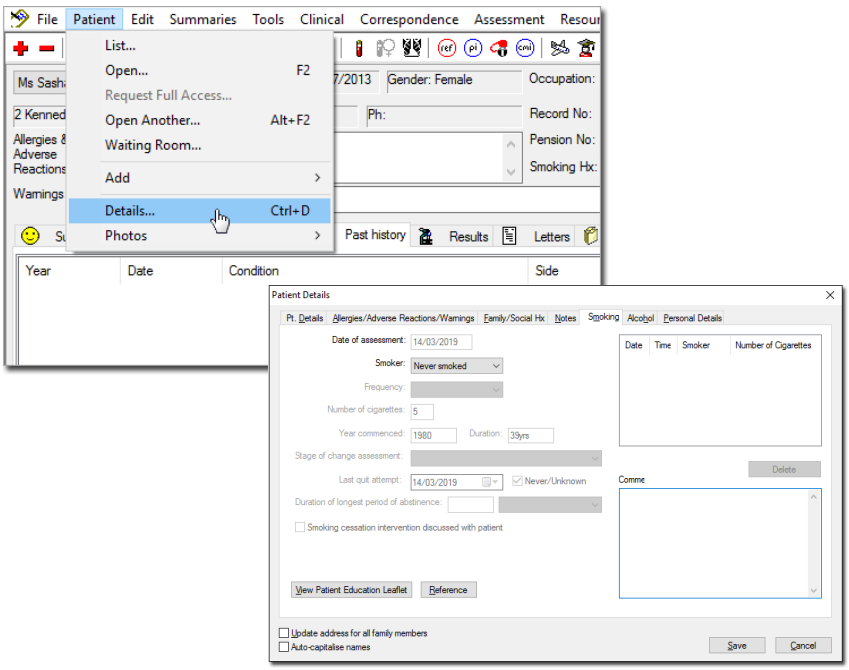
- The number of your regular Indigenous patients were there in each age and gender group.

Data Entry Field

1. Open a patient's record
2. Select Patient > Details
3. Select the Smoking tab
4. Set smoking status via the Smoker dropdown
5. Click Save

Disaggregation

- **Age:** 11–14 years, 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, 65 years and older
- **Gender:** Male and Female



nKPI: PI 10

Smoking status result

Description:

Proportion of Indigenous regular clients aged 11 and over whose smoking status was recorded in the 24 months up to the census date was:

- Current smoker
- Ex-smoker
- Never smoked

There's no agreement on how long a person needs to have quit smoking to be considered an ex-smoker rather than a smoker—what is put on the record is a clinical judgement. To be counted as having ever smoked, the person must have smoked more than 100 cigarettes in total (or equivalent).

Current %	
National Current %	52%
National Target %	40%

Primary Responsibility

- Clinic staff
- New Directions
- TIS

Improvement Strategies

- Continue to benchmark for TIS
- AHW include in screenings

Action

- Where an Indigenous regular patient's tobacco smoking status does not have an assessment, date assigned within the Patient Information Record System (PIRS), smoking status as recorded in the PIRS should be treated as current (that is, as having been updated within the previous 24 months)
- Results arising from measurements conducted outside of the organisation that are known by the organisation should be included.

Numerator

- Number of Indigenous regular clients aged 11 and over who had a specified smoking status result in the 24 months up to the census date.

Denominator

- Number of Indigenous regular clients aged 11 and over who had their smoking status recorded in the 24 months up to the census date.

Data Entry Field

1. Open a patient's record
2. Select Patient > Details
3. Select the Smoking tab
4. Set smoking status via the Smoker dropdown
5. Click Save

Disaggregation

- **Age:** 11–14 years, 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, 65 years and older
- **Gender:** Male and Female
- **Smoking status results**

nKPI: PI11

Smoking during pregnancy

Description:

Proportion of female Indigenous regular clients who gave birth in the 12 months up to the census date whose smoking status result during pregnancy was:

- Current smoker
- Ex-smoker
- Never smoked

There's no agreement on how long a person needs to have quit smoking to be considered an ex-smoker rather than a smoker—what is put on the record is a clinical judgement. To be counted as having ever smoked, the person must have smoked more than 100 cigarettes in total (or equivalent).

Current %	
National Current %	50%
National Target %	37%

Primary Responsibility

- New Directions
- Nurses/AWA
- GPs

Improvement Strategies

- Expand reach of TIS – targeted
- AHW include in screenings
- Partner with New Directions

Action

- Counts clients with a recorded smoking status, who recorded 3 or more visits within the previous 2 years
- Includes live births and still births if the birthweight is at least 400 grams OR the gestational age was 20 weeks or more
- Include only the most recent smoking status recorded prior to the completion of the latest pregnancy. Where a smoking status does not have an assessment date assigned within the CIS, smoking status should not be counted
- Include results arising from measurements conducted outside of the organisation that are known by the organisation.

Numerator

- Number of female Indigenous regular clients who gave birth in the 12 months up to the census date who had a specified smoking status result recorded during pregnancy.

Denominator

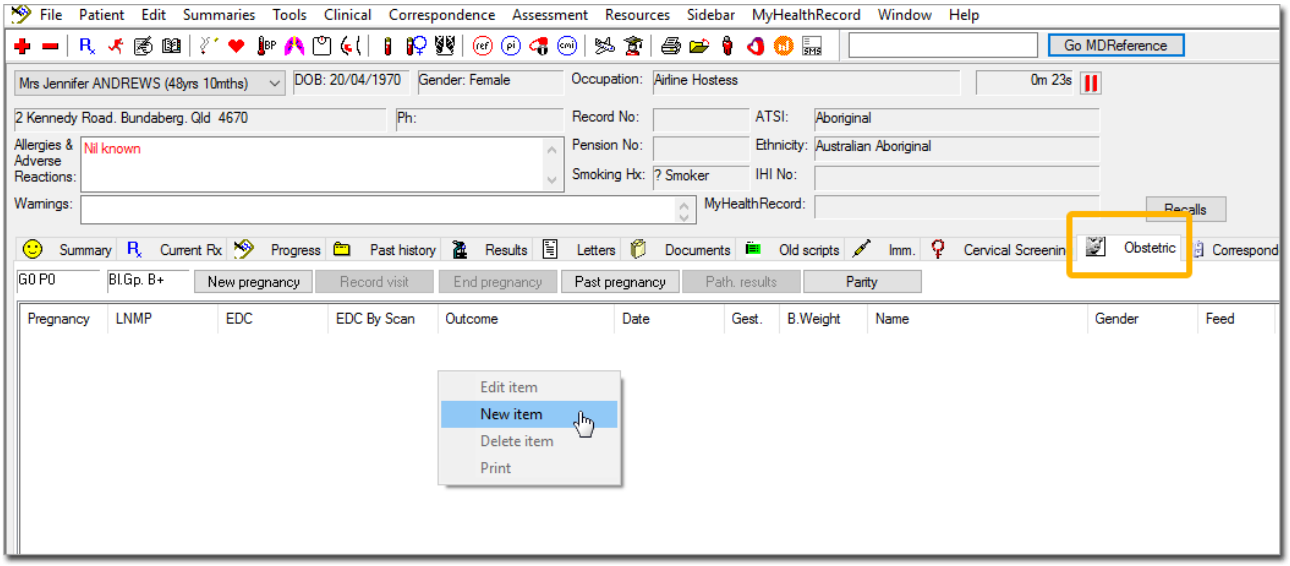
- Number of female Indigenous regular clients who gave birth in the 12 months up to the census date who had their smoking status recorded during pregnancy.

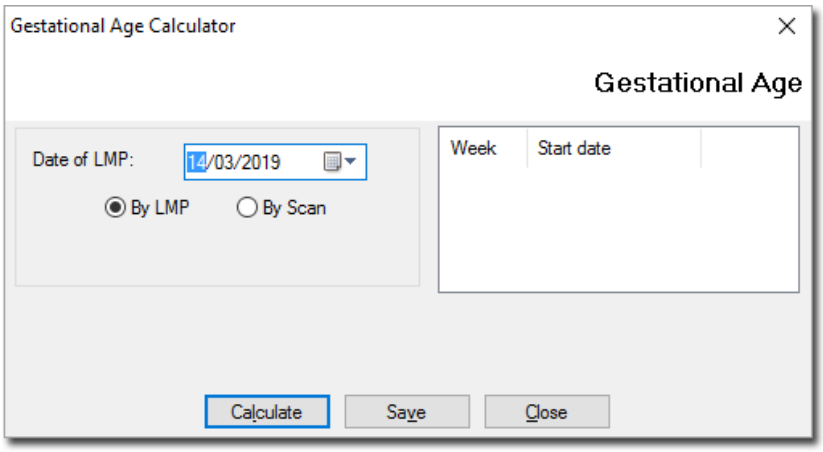
Data Entry Field

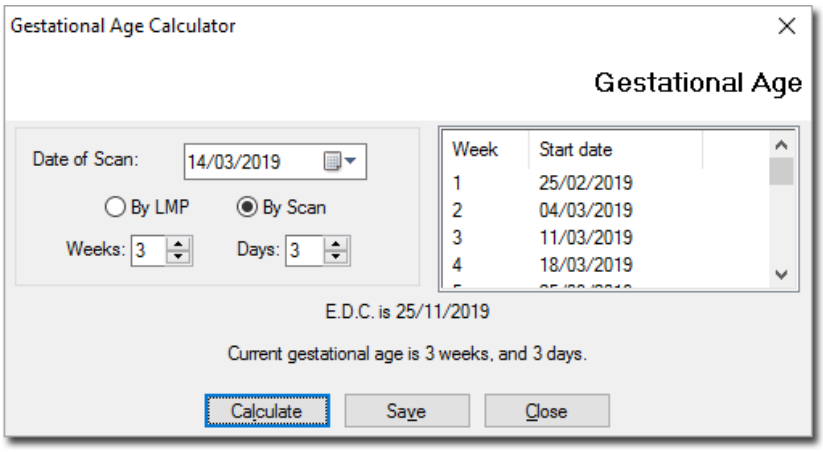
1. Open a female patient's record
2. Select the Obstetric tab
3. Right-click in the white space to add a New Item
4. Input the value for Date of LMP or gestational age by scan and click save
5. Add smoking status as per PI09

Disaggregation

- **Age:** Less than 20 years, 20–34 years, 35 and over
- **Gender:** Male and Female
- **Smoking status results**


File Patient Edit Summaries Tools Clinical Correspondence Assessment Resources Sidebar MyHealthRecord Window Help
Go MDReference
Mrs Jennifer ANDREWS (48yrs 10mths)
DOB: 20/04/1970
Gender: Female
Occupation:
Airline Hostess
0m 23s
2 Kennedy Road. Bundaberg. Qld 4670
Ph:
Record No:
ATSI:
Aboriginal
Allergies & Adverse Reactions:
Nil known
Pension No:
Ethnicity:
Australian Aboriginal
Smoking Hx:
? Smoker
IHI No:
Warnings:
MyHealthRecord:
Recalls
Summary
Current Rx
Progress
Past history
Results
Letters
Documents
Old scripts
Imm.
Cervical Screenin
Obstetric
Correspond
G0 P0
Bl.Gp. B+
New pregnancy
Record visit
End pregnancy
Past pregnancy
Path. results
Parity
Pregnancy
LNMP
EDC
EDC By Scan
Outcome
Date
Gest.
B.Weight
Name
Gender
Feed
Edit item
New item
Delete item
Print


Gestational Age Calculator
Gestational Age
Date of LMP:
14/03/2019
By LMP
By Scan
Week
Start date
Calculate
Save
Close


Gestational Age Calculator
Gestational Age
Date of Scan:
14/03/2019
By LMP
By Scan
Weeks: 3
Days: 3
Week
Start date
1
25/02/2019
2
04/03/2019
3
11/03/2019
4
18/03/2019
E.D.C. is 25/11/2019
Current gestational age is 3 weeks, and 3 days.
Calculate
Save
Close

nKPI: PI 12

Body Mass Index (BMI) (overweight or obese)

Description:

Proportion of Indigenous regular clients aged 18 and over who had their Body Mass Index (BMI) classified as underweight, normal weight, overweight, obese, and not calculated in the 24 months up to the census date.

- Underweight (<18.50)
- Normal weight (>=18.50 but <=24.99)
- Overweight (>=25 but <=29.90)
- Obese (>=30)

If there is no BMI recorded or it was recorded more than 24 months ago, the BMI is classified as 'not calculated'.

Current %	
National Current %	71%
National Target %	n/a

Primary Responsibility

- AWA
- GPs
- Nurses

Improvement Strategies

- Screening updated
- Offer nurse or MBS item 81300 follow up
- Diet education

Action

- Only the most recent BMI is considered
- Only weight measurements recorded in the last 24 months are considered
- Only height measurements recorded since the patient turned 18 are considered
- If any of the above conditions are not met, then the patient is excluded from the calculation.

Numerator

- Number of Indigenous regular clients aged 18 and over who had a specified BMI classification recorded in the last 24 months up to the census date.

Denominator

- Number of Indigenous regular clients aged 18 and over.

Data Entry Field

Use height and weight measured based on the following rules:

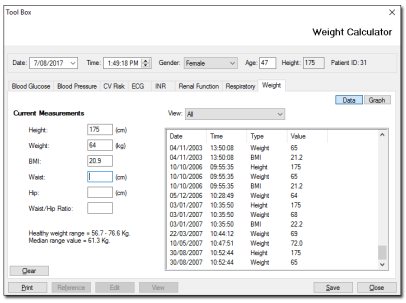
- A height taken since age 25 or taken within the previous 24 months for patients aged 15–26 years.
- A weight taken within the previous 24 months.

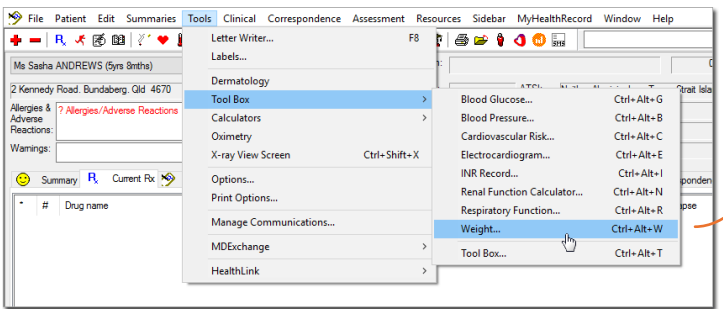
The BMI needs to be recorded in the Weight Calculator per the below steps:

1. Open a patient's record
2. Select Tools > Tool Box > Weight
3. Input height and weight values
4. Click Save

Disaggregation

- **Age:** 18-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65 years and over
- **Gender:** Male and Female
- **BMI result**





nKPI: PI 13

First antenatal care visit

Description:

Proportion of female Indigenous regular clients who gave birth in the 12 months up to the census date who:

- had gestational age of less than 11 weeks recorded at their first antenatal care visit
- had gestational age of 11–13 weeks recorded at their first antenatal care visit
- had gestational age of 14–19 weeks recorded at their first antenatal care visit
- had gestational age of 20 weeks or later recorded at their first antenatal care visit
- did not have gestational age recorded at their first antenatal care visit
- did not attend an antenatal care visit.

Current %	
National Current %	42.2%
National Target %	60%

Primary Responsibility

- GPs
- Nurses/AHW
- New Directions

Improvement Strategies

- Doctor education on importance
- Clinic staff education
- New direction education

Action

- Percentages may not add up to 100%.
- Live births and stillbirths; if the birthweight was at least 400 grams or the gestational age was 20 weeks or more.

Numerator

- Number of female Indigenous regular clients who gave birth in the 12 months up to the census date and who had a specified gestational age recorded at their first antenatal care visit.

Denominator

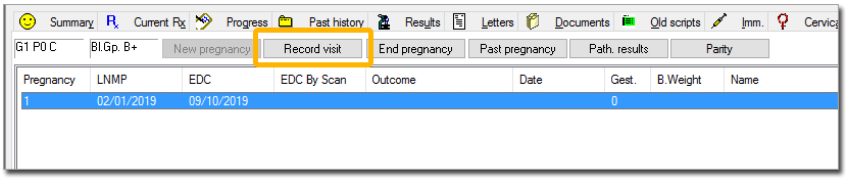
- Number of female Indigenous regular clients who gave birth in the 12 months up to the census date.

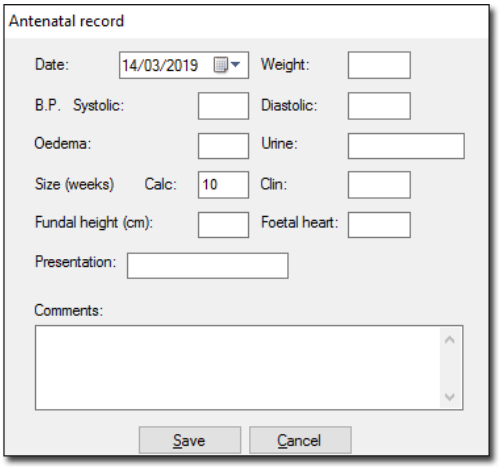
Data Entry Field

1. Select a pregnancy record from the list.
2. Click Record Visit
3. Input the date as the visit date
4. Click Save

Disaggregation

- **Age:** Less than 20, 20-34, 35 and over
- **Gender:** Females only
- **Gestational age group:** Less than 11 weeks, 11-13 weeks, 14-19 weeks, and 20 weeks or later, no result recorded





nKPI: PI 14

Influenza immunisation (aged 6 months and over)

Description:

Proportion of Indigenous regular clients aged 6 months and over who were immunized against influenza in the 12 months up to the census date.

Current %	
National Current %	n/a

Primary Responsibility

- Clinic Staff

Improvement Strategies

- Dedicated Flu Days
- Partner with local hospital
- Offer incentives

Action

- Patient's Influenza Immunization status is defined in the 'Immunization record' under the code ‘flu’ or description ‘Influenzae’. If this is present in the patient's file, the date between the immunization date and date of reporting Is calculated. If this date difference Is >= 12 months, the record is included.

Numerator

- Number of Indigenous regular clients aged 6 months and over who were immunised against influenza in the 12 months up to the census date.

Denominator

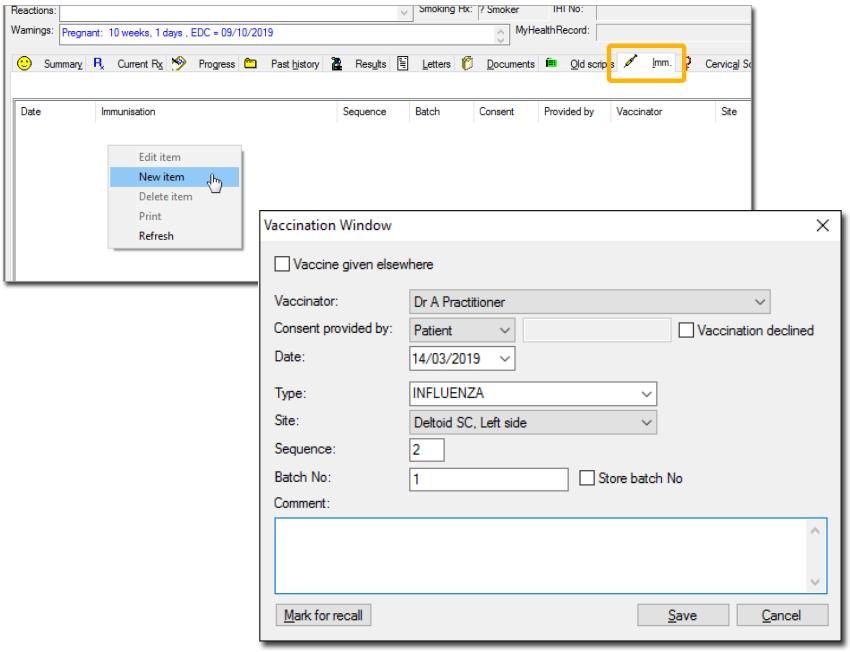
- Number of Indigenous regular clients aged 6 months and over.

Data Entry Field

1. Open a patient’s record.
2. Select the Immunization tab
3. Right-click in the white space to add a New Item
4. Enter date, type (Influenza) site and sequence
5. Click Save

Disaggregation

- **Age:** 6 months – 4years, 5–14 years, 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, and 65 years and over
- **Gender:** Male and Female



nKPI: PI16

Alcohol consumption recorded

Description:

Proportion of Indigenous regular clients aged 15 and over whose alcohol consumption status was recorded in the 24 months up to the census date.

Current %	
National Current %	65%

Primary Responsibility

- Nurses/AHW
- GPs
- New Directions

Improvement Strategies

- Screening updated
- Staff nKPI education

Action

- Alcohol consumption status recorded is defined as patients for whom an Audit-C measurement exists.

Numerator

- Number of Indigenous regular clients aged 15 and over whose alcohol consumption status was recorded in the 24 months up to the census date.

Denominator

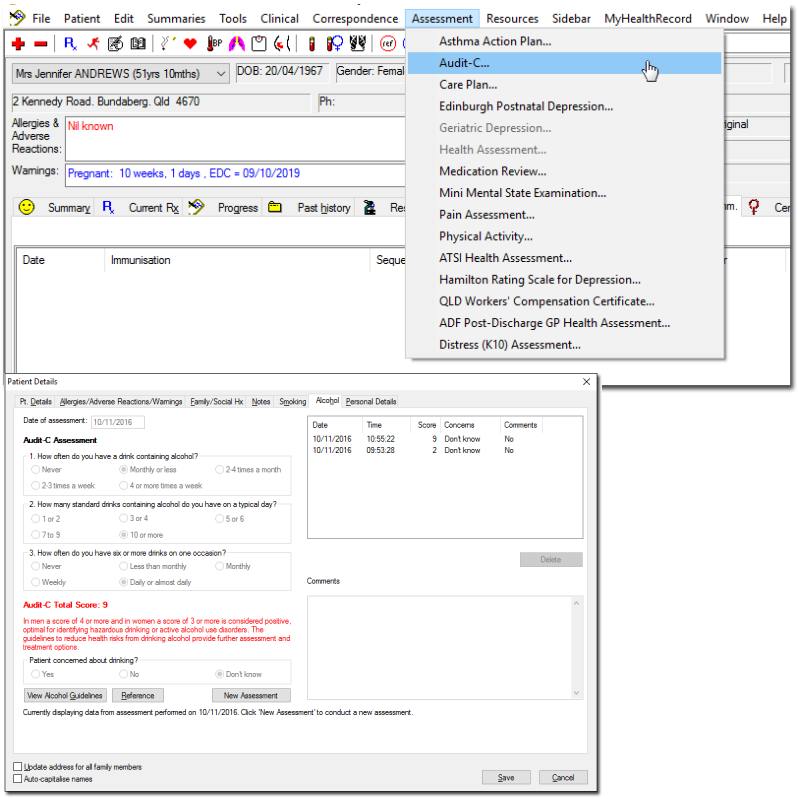
- Number of Indigenous regular clients aged 15 and over.

Data Entry Field

1. Open a patient's record.
2. Select Assessment > Audit-C
3. The Audit-C Assessment is presented
4. Input data and click Save

Disaggregation

- **Age:** 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, and 65 years and over
- **Gender:** Male and Female



nKPI: PI17

Audit-C result recorded

Description:

Proportion of Indigenous regular clients aged 15 and over who had an AUDIT-C with result recorded in the 24 months up to the census date of:

- greater than or equal to 4 in males and 3 in females; or
- less than 4 in males and 3 in females.

Current %	
National Current %	46%

Primary Responsibility

- Nurses/AHW
- GPs
- New Directions

Improvement Strategies

- Alcohol education
- Clinical staff updated on tool
- Staff nKPI education

Action

- AUDIT-C result recorded as defined in PI16.
- The score is defined as the result recorded for the AUDIT-C assessment.

Numerator

- Number of Indigenous regular clients aged 15 and over who had a specified AUDIT-C score in the 24 months up to the census date.

Denominator

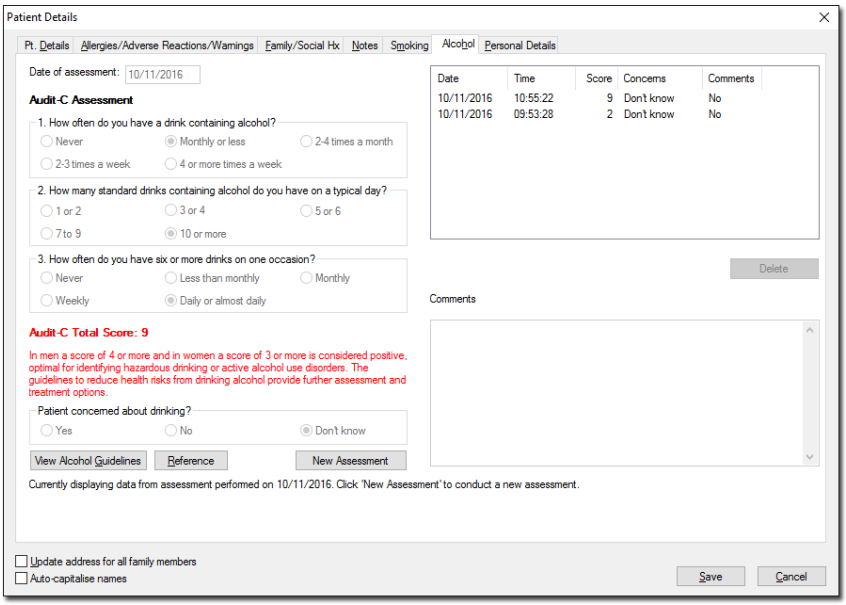
- Number of Indigenous regular clients aged 15 and over who had an AUDIT-C result recorded.

Data Entry Field

1. Open a patient's record.
2. Select Assessment > Audit-C
3. The Audit-C Assessment is presented
4. Input data and click Save

Disaggregation

- **Age:** 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, and 65 years and over
- **Gender:** Male and Female
- **AUDIT-C result**



nKPI: PI18

Kidney function test recorded (Type 2 Diabetes or CVD)

Description:

Proportion of Indigenous regular clients aged 18 and over with type 2 diabetes and/or cardiovascular disease (CVD) who had a kidney function test recorded in the 12 months up to the census date, consisting of:

- only an estimated glomerular filtration rate (eGFR); or
- only an albumin/creatinine ratio (ACR); or
- both an eGFR and an ACR; or
- only an ACR test result recorded
- neither an eGFR nor an ACR test result recorded.

Current %	
National Current %	Type 2 62% CVD 59%

Primary Responsibility

- Nurses
- GPs
- AHW

Improvement Strategies

- Screening updated
- Clinic staff training
- Staff nKPI education

Action

- Type 2 Diabetes recorded as outlined in PI05.
- History of CVD recorded is defined as patients with a condition listed as at least one of the below:
- ACR or other micro albumin test result recorded is defined as patients whose records contain at least one of the following: o Pathology results containing one of the following LOINC codes: '14959-1', '32294-1', '30001-2', '30000-4', '9318-7'. o A manually recorded ACR measurement of type: 'MALB', 'MALBUN' or 'MALDATE'.
- eGFR recorded Is defined as patients whose records contain at least one of the following: o Pathology results containing one of the following LOINC codes: '33914-3', '62238-1'. o A manually recorded eGFR measurement of type: 'EGFR'.

Numerator

- Number of Indigenous regular clients with type 2 diabetes or with CVD or type 2 diabetes and/or CVD who had a specified kidney function test result recorded in the 12 months up to the census date.

Denominator

- Number of Indigenous regular clients with type 2 diabetes, CVD, type 2 diabetes and/or CVD.

Data Entry Field

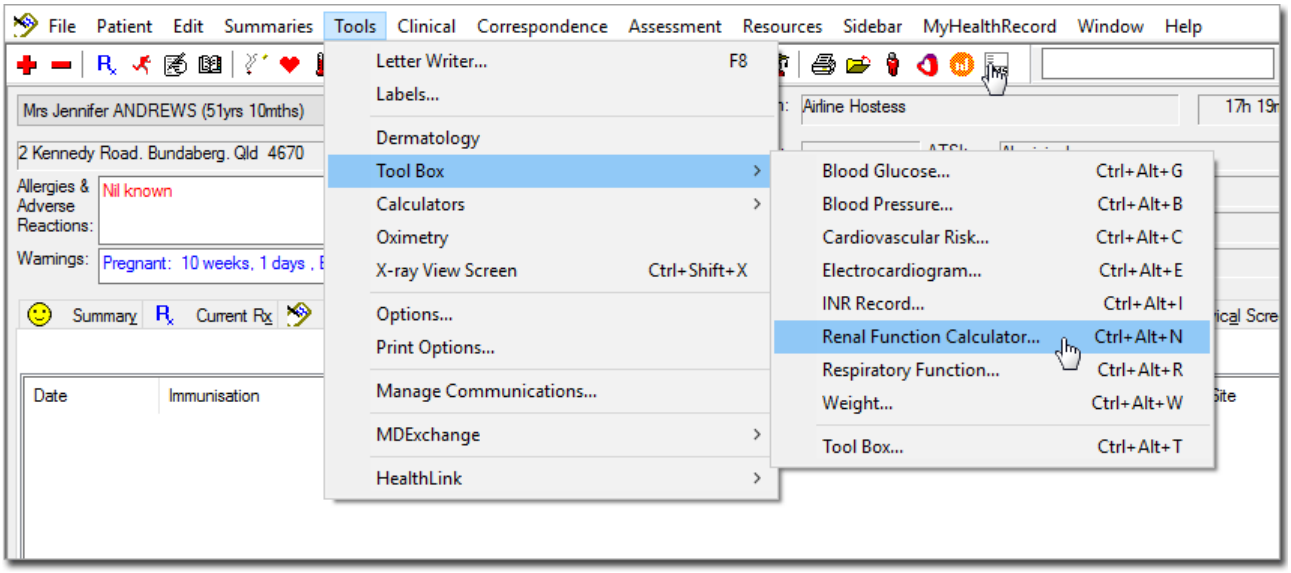
1. Open a patient's record.
2. Select Tools > Tool Box > Renal Function Calculator
3. The Renal Function Calculator window appears
4. Enter a value for creatine to generate eGFR value and click Save

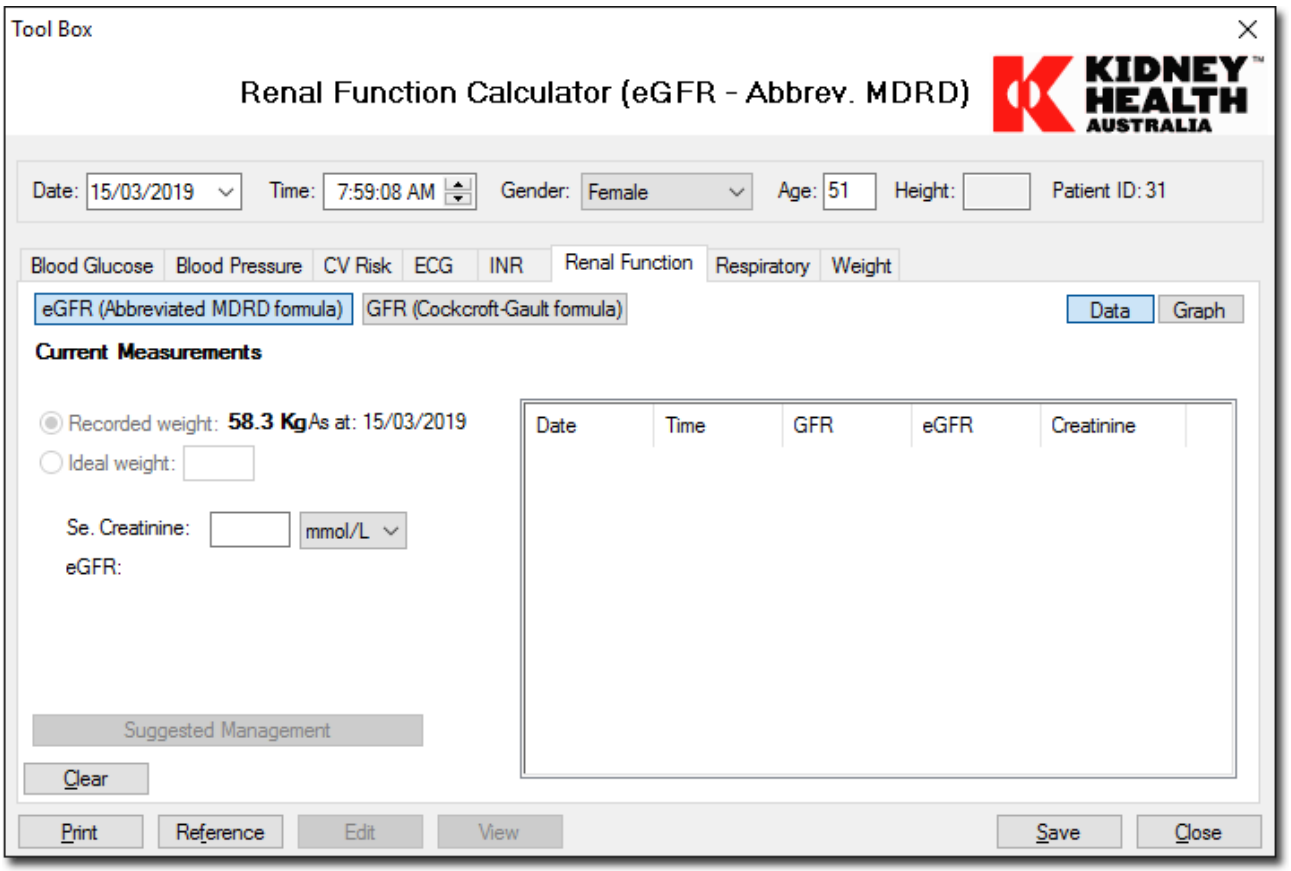
Disaggregation

- **Age:** 18–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, and 65 years and over
- **Gender:** Male and Female
- **Chronic disease:** Type 2 diabetes, Cardiovascular disease, Either or both above
- **Test:** an eGFR only, an ACR only, both an eGFR and an ACR, neither an eGFR nor an ACR

nKPI: PI 18

Kidney function test recorded (Type 2 Diabetes or CVD)





nKPI: PI19

Kidney function test result (Type 2 Diabetes or CVD)

Description:

Proportion of Indigenous regular clients with Type 2 diabetes and/or cardiovascular disease (CVD) who had both an estimated glomerular filtration rate (eGFR) and albumin/creatinine ratio (ACR) result recorded in the 12 months up to the census date, categorised as normal/low/moderate/high risk.

KIDNEY FUNCTION TEST RISK RESULTS CATEGORIES

- **Normal risk**—eGFR ≥60 mL/min/1.73m² and:
  - ACR <3.5 mg/mmol (females)
  - ACR <2.5 mg/mmol (males).
- **Low risk**—eGFR ≥45 mL/min/1.73m² and <60 mL/min/1.73m² and either:
  - ACR <3.5 mg/mmol (females)
  - ACR <2.5 mg/mmol (males);

  OR eGFR ≥60 mL/min/1.73m² and either:
  - ACR ≥3.5 mg/mmol & ≤35 mg/mmol (females)
  - ACR ≥2.5)mg/mmol & ≤25 mg/mmol (males).
- **Moderate risk**—eGFR ≥45 mL/min/1.73m² and <60 mL/min/1.73m² and either:
  - ACR ≥3.5 mg/mmol & ≤35 mg/mmol (females)
  - ACR ≥2.5 mg/mmol & ≤25 mg/mmol (males);

  OR eGFR ≥30 mL/min/1.73m² and <45 mL/min/1.73m2 and either:
  - ACR <35 mg/mmol (females)
  - ACR <25 mg/mmol (males).
- **High risk**—eGFR ≥30 mL/min/1.73m² and either:
  - ACR >35ml/mmol (females)
  - ACR >25mg/mmol (males);

  OR eGFR less than 30 mL/min/1.73m² anda any ACR result for both females and males.

Current % Kidney test, eGFR ≥60 ml/min/1.73 m²	
National Current %	Type 2 82%, CVD 76%

Primary Responsibility

- GPs • Nurses • IHPs

Improvement Strategies

- Screening updated • Clinic staff training
- Staff nKPI education

Action

- 'Type 2 diabetes' – specifically excludes Type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance.
- The report only considers the most recently recorded eGFR test result per patient.
- The report only considers the most recently recorded ACR test result per patient.
- Results taken from relevant pathology results. If your organisation does not have a system for adding pathology results to patient records, ensure the results have been included in the correct fields for this nKPI.
- For correct data entry please see PI05.
- 'ACR' refers to an albumin/creatinine ratio, or other micro albumin urine test result.

Numerator

- Number of Indigenous regular clients with type 2 diabetes or with CVD or type 2 diabetes and/or CVD who had a specified kidney function test result recorded in the 12 months up to the census date.

Denominator

- Number of Indigenous regular clients with type 2 diabetes, CVD, type 2 diabetes and/or CVD.

Data Entry Field

- eGFR results may be added manually through the Renal Function Calculator or via HL7 file as described in **PI18**
- Type 2 Diabetes can be recorded via the method shown in **PI05**.

Disaggregation

- **Age:** 18–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, and 65 years and over
- **Gender:** Male and Female
- **Chronic disease:** Type 2 diabetes, Cardiovascular disease, Either or both above
- **Risk result category**

nKPI: PI20

CVD risk assessment factors

Description:

Proportion of Indigenous regular clients aged 35-74 with no known cardiovascular disease (CVD) who had all the necessary factors assessed in the 24 months up to the census date to enable CVD risk assessment. These risk factors are:

- Tobacco smoking
- Diabetes assessment
- Systolic blood pressure
- Total cholesterol and HDL cholesterol levels
- Age
- Sex

Current %	
National Current %	49%

Primary Responsibility

- GPs
- Nurses
- AHW

Improvement Strategies

- Screening updated
- Clinical staff training
- External education

Action

- CVD recorded per **PI18**
- Smoking status recorded per **PI09**
- Diabetes recorded per **PI05**
- Absolute CV risk is defined as patients with a measurement type of 'ACVRISK'. These results are collated into low, medium, and high by the below calculations:
  - 0 <= measurement value < 10: set element value as 3 (low).
  - 10 <= measurement value <= 15: set element value as 2 (medium).
  - 15 < measurement value: set element value as 1 (high).
- High-Density Lipoprotein Cholesterol recorded is defined as patients with a measurement type of 'LIPIDDATE' or 'HDL'.

Numerator

- Number of Indigenous regular clients aged 35-74 without known CVD who had all the necessary factors assessed in the 24 months up to the census date to enable CVD risk assessment.

Denominator

- Number of Indigenous regular clients aged 35-74 without know CVD.

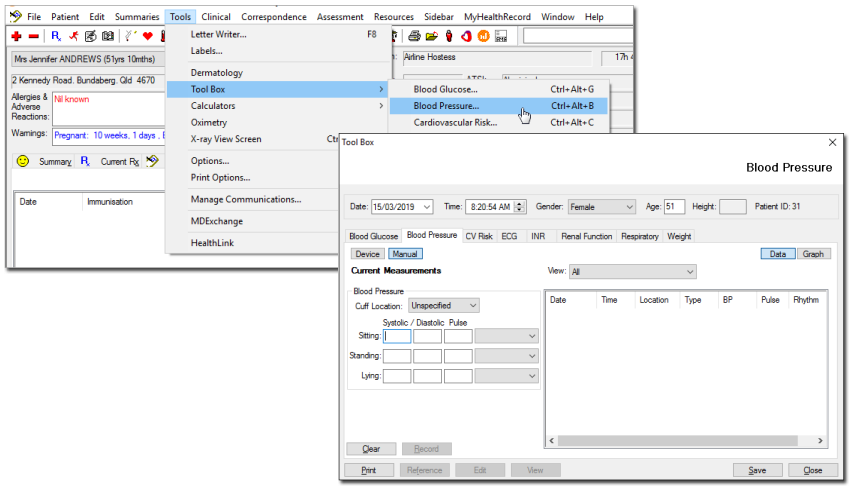
Data Entry Field

Record blood pressure

1. Open a patient's record.
2. Select Tools > Tool Box > Blood Pressure
3. The blood pressure manual appears
4. Enter values for blood pressure and then click save.

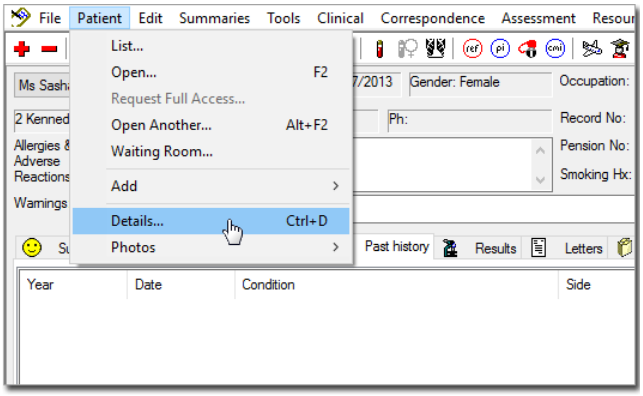
Disaggregation

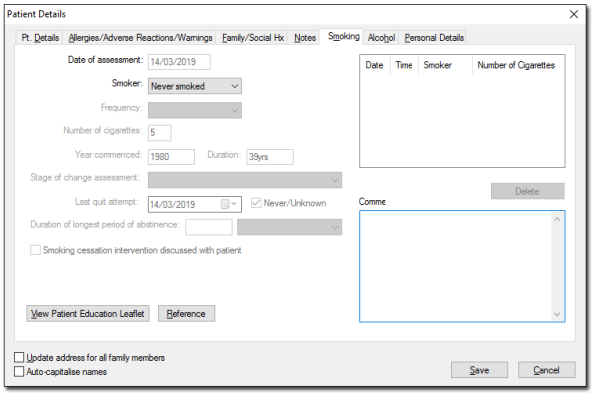
- **Age:** 35–44 years, 45–54 years, 55–64 years, and 65 years and over
- **Gender:** Male and Female



Record smoking status

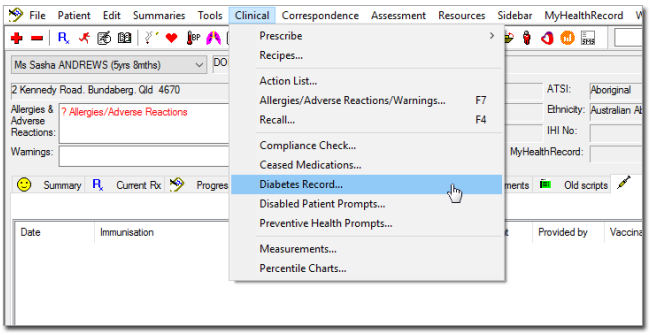
1. Open a patient's record.
2. Select Patient > Details
3. Select the Smoking tab
4. Select the smoking status from the Smoking drop-down list and click Save.

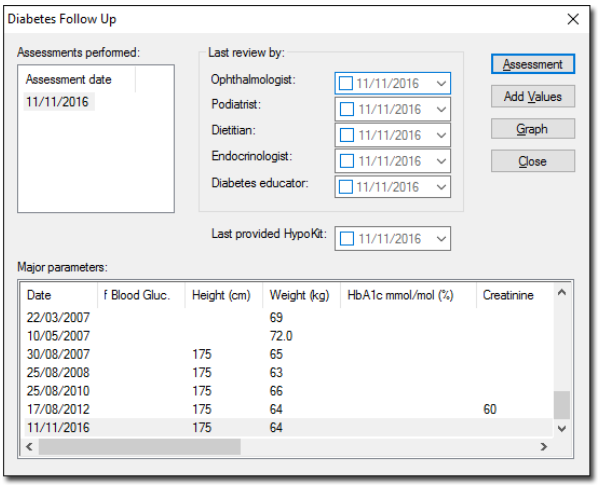




Record Total Cholesterol and HDL

1. Open a patient's record.
2. Select Clinical > Diabetes Record
3. The Diabetes Follow Up window appears
4. Click Add Value. The Diabetes record window appears
5. Enter values for total cholesterol and HDL, then click Save.





nKPI: PI21

CVD risk assessment result

Description:

Proportion of Indigenous regular clients aged 35-74 with no known cardiovascular disease (CVD) who had an absolute CVD risk assessment recorded in the 24 months up to the census date as:

- high (greater than 15% chance of a cardiovascular event in the next 5 years)
- moderate (10%–15% chance of a cardiovascular event in the next 5 years)
- low (less than 10% chance of a cardiovascular event in the next 5 years).

Current %	
National Current %	30%

Primary Responsibility

- GPs
- Nurses
- AWH

Improvement Strategies

- Screening updated
- Clinical staff training
- External education

Action

- CVD recorded per **PI18**
- Absolute CVD risk assessment recorded per **PI20**
- Only the most recently recorded result from an absolute CVD risk assessment. This means that if a patient has had several assessments, then include only the results from the most recent test.

Numerator

- Number of Indigenous regular clients aged 35 to 74 who had a specified absolute CCVD risk assessment recorded in the 24 months up to the census date.

Denominator

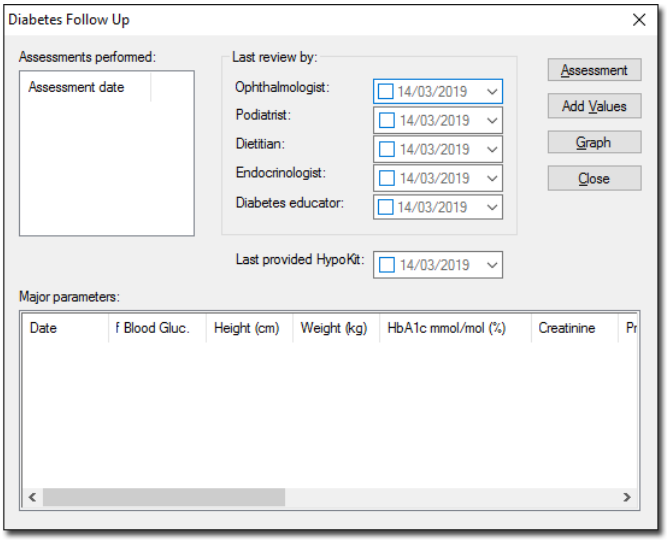
- Number of Indigenous regular clients aged 35-74 without known CVD who had an absolute CVD risk assessment result recorded.

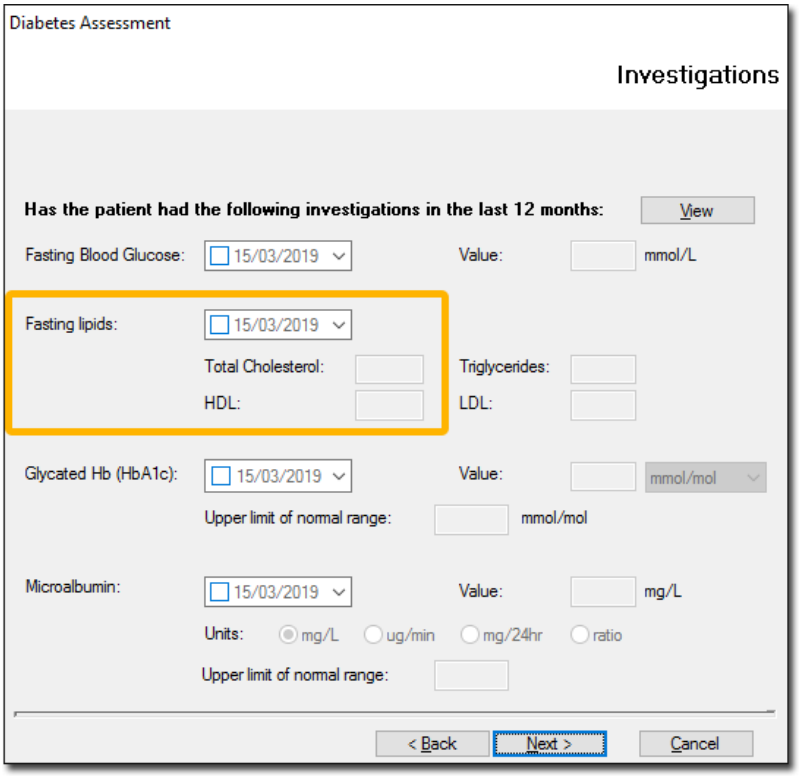
Data Entry Field

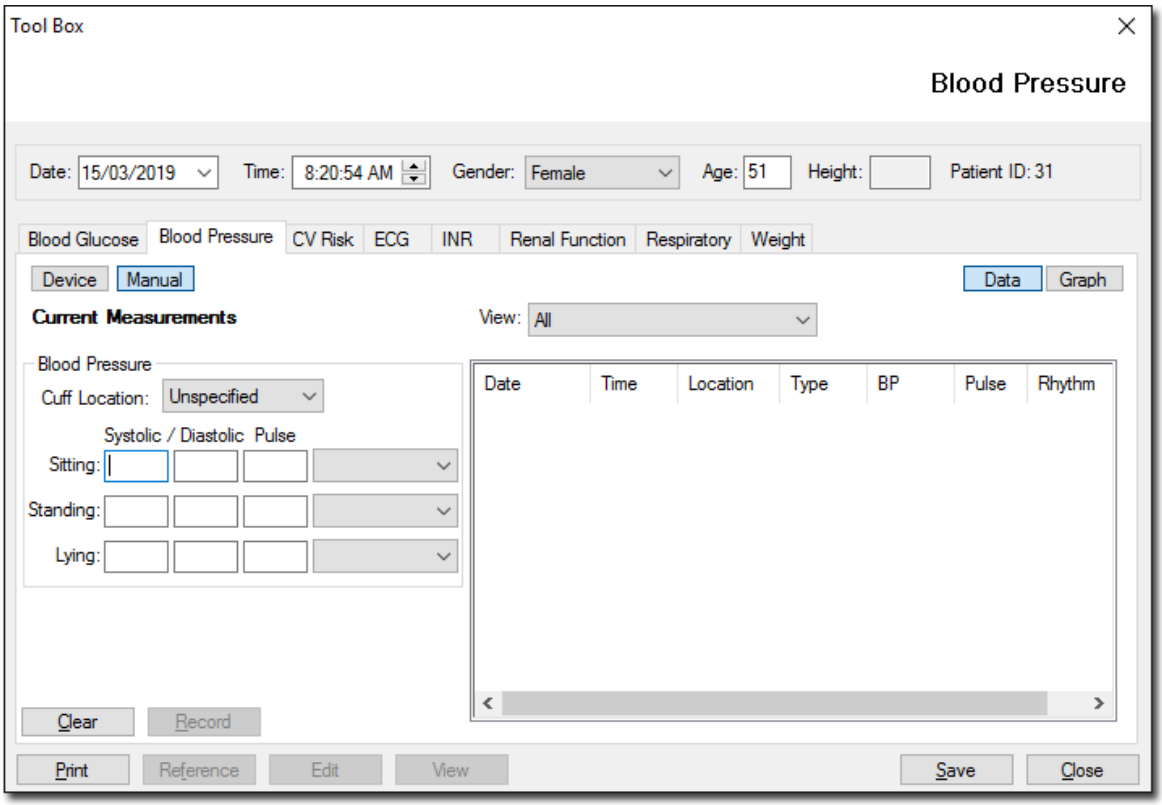
1. From within the clinical Window, select Clinical > Diabetes Record — the Diabetes Follow Up window appears
2. An assessment may be conducted, or alternatively values may be added directly
3. From within the Clinical Window, select Tools > Toolbox > Blood Pressure — The Blood Pressure module appears, record Blood Pressure from within this window

Disaggregation

- **Age:** 35–44 years, 45–54 years, 55–64 years, and 65 years and over
- **Gender:** Male and Female
- **CVD risk assessment**




Diabetes Assessment
Investigations
Has the patient had the following investigations in the last 12 months:
View
Fasting Blood Glucose:
15/03/2019
Value:
mmol/L
Fasting lipids:
15/03/2019
Total Cholesterol:
Triglycerides:
HDL:
LDL:
Glycated Hb (HbA1c):
15/03/2019
Value:
mmol/mol
Upper limit of normal range:
mmol/mol
Microalbumin:
15/03/2019
Value:
mg/L
Units:
mg/L
ug/min
mg/24hr
ratio
Upper limit of normal range:
< Back
Next >
Cancel


Tool Box
Blood Pressure
Date: 15/03/2019
Time: 8:20:54 AM
Gender: Female
Age: 51
Height:
Patient ID: 31
Blood Glucose
Blood Pressure
CV Risk
ECG
INR
Renal Function
Respiratory
Weight
Device
Manual
Data
Graph
Current Measurements
View: All
Blood Pressure
Cuff Location: Unspecified
Systolic / Diastolic Pulse
Sitting:
Standing:
Lying:
Date
Time
Location
Type
BP
Pulse
Rhythm
Clear
Record
Print
Reference
Edit
View
Save
Close

nKPI: PI22

Cervical screening recorded

Description:

Proportion of female Indigenous regular clients aged 25-74 who have not had a hysterectomy and who had a cervical screening human papillomavirus (HPV) test within the 5 years up to the census date where the test occurred on or after 1 December 2017.

Proportion of female Indigenous regular clients aged 25–74, who have not had a hysterectomy and who have had a cervical screening (human papilloma-virus (HPV)) test within the previous 5 years.

Current %	
National Current %	28%

Primary Responsibility

- Nurses/AHW
- GPs
- New Directions

Improvement Strategies

- Women wellness clinic
- Screening updated
- Staff nKPI education

Action

- Cervical screening as recorded a record present in the 'Cervical Screening' tab.

cxyz Hysterectomy
cxyz Surgery – Uterus – Hysterectomy
cxyz Uterus – removal of
cxyz Hysterectomy – Abdominal
cxyz Hysterectomy – Vaginal
cxyz Vaginal Hysterectomy
cxyz Hysterectomy – Vaginal with vaginal repair

- No history of hysterectomy is defined as patients whose medical file does not contain the below DOCLE codes:

cxyz Hysterectomy – Laparoscopic
cxyz Laparoscopic hysterectomy
cxyz Hysterectomy – ovary(ies) spared
cxyz Hysterectomy – Subtotal
cxyz Hysterectomy – Total
cxyz Subtotal hysterectomy
cxyz Hysterectomy & BSO – Abdominal

Numerator

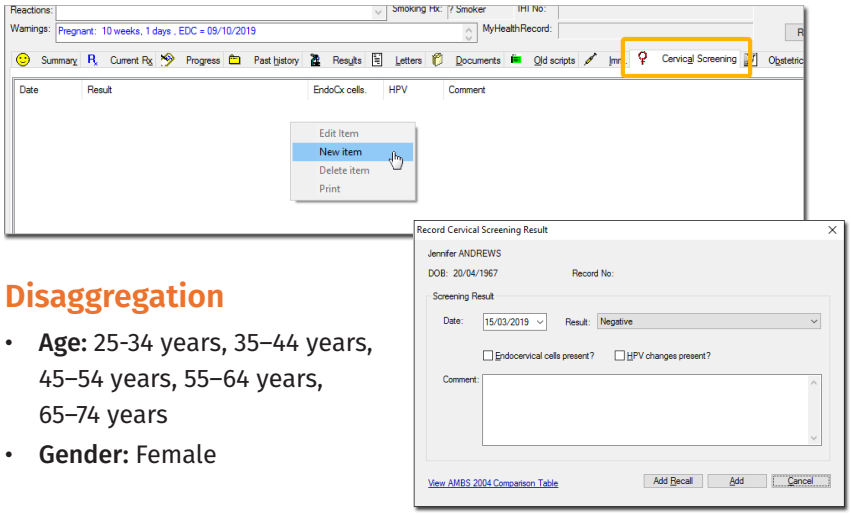
- Number of female Indigenous regular clients aged 25–74, who have not had a hysterectomy and who have had a cervical screening (human papillomavirus (HPV)) test within the previous 5 years where the test occurred on or after 1 December 2017.

Denominator

- Number of female Indigenous, regular client aged between 25–74 who have not had a hysterectomy.

Data Entry Field

1. Open a female patient's record.
2. Select the Cervical screening tab.
3. Right-click in the white space and select New Item.
4. The Record Cervical Screening Result window appears. Enter the date of the result, select the result from the drop down and tick the 'Endocervical cells present?' and/or HPV changes present?' checkboxes as required.
5. Click Add.



Disaggregation

- **Age:** 25-34 years, 35–44 years, 45–54 years, 55–64 years, 65–74 years
- **Gender:** Female

nKPI: PI23

Blood pressure recorded (Type 2 Diabetes)

Description:

Proportion of Indigenous regular clients with Type 2 diabetes who had a blood pressure measurement result recorded in the 6 months up to the census date.

Proportion of regular clients who are Indigenous, have Type 2 diabetes and who have had a blood pressure measurement result recorded at the primary health care service within the previous 6 months.

Current %	
National Current %	66.2%
National Target %	70%

Primary Responsibility

- GPs
- Nurses
- AHW

Improvement Strategies

- Screening updated
- Equipment regularly calibrated
- Staff nKPI education

Action

- Type 2 Diabetes recorded as per **PI05**
- Blood pressure measurement recorded as per patient's whose file's contain measurements of types 'Systolic' and 'diastolic' as recorded in the 'Blood pressure' toolbox.

Numerator

- Number of Indigenous regular clients with Type 2 diabetes who had their blood pressure measurement result recorded in the 6 months up to the census date

Denominator

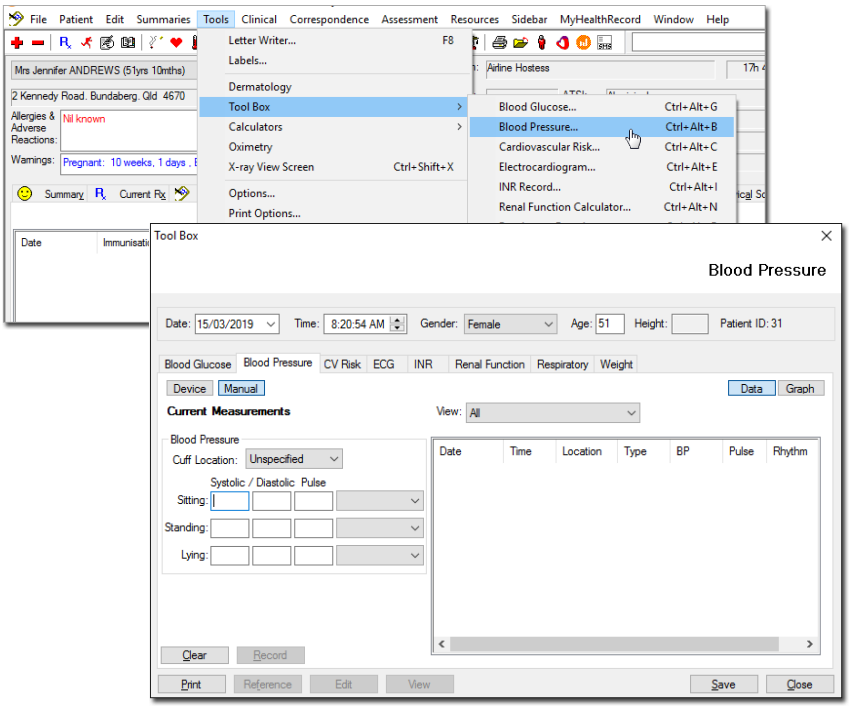
- Number of Indigenous regular clients with Type 2 diabetes.

Data Entry Field

1. Open a patient's record
2. Select Tools > Tool Box > Blood Pressure
3. The Blood Pressure module appears
5. Enter values for Systolic and Diastolic and click Save.

Disaggregation

- **Age:** 0–4 years, 5–14 years, 15–24 years, 25–34 years, 35–44 years, 45–54 years, 55–64 years, 65 years and older
- **Gender:** Male and Female



nKPI: PI24

Blood pressure result (Type 2 Diabetes)

Description:

Proportion of Indigenous regular clients with Type 2 diabetes whose blood pressure measurement result, recorded in the 6 months up to the census date, was less than or equal to 140/90 mmHg.

Current %	
National Current %	41.3%

Primary Responsibility

- GPs
- Nurses
- AHW

Improvement Strategies

- DCC updated at each visit
- Screening updated
- Staff nKPI education

Action

- Type 2 Diabetes as recorded in **PI05**
- Blood pressure recorded per **PI23**
- Only the most recently recorded blood pressure test result. This means that if a patient has had their blood pressure measured several times in the past 6 months, then include only the results from the most recent measurement.

Numerator

- Number of Indigenous regular clients with type 2 diabetes who had a recorded blood pressure of 140/90 mmHg or less in the 6 months up to the census date.

Denominator

- Number of Indigenous regular clients with type 2 diabetes who had their blood pressure measurement result recorded in the 6 months up to the census date.

Data Entry Field

1. Open a patient's record
2. Select Tools > Tool Box > Blood Pressure
3. The Blood Pressure module appears
5. Enter values for Systolic and Diastolic and click Save.

Disaggregation

- **Age:** 35–44 years, 45–54 years, 55–64 years, and 65 years and over
- **Gender:** Male and Female

nKPI: PI25

Sexually transmissible infections

Description:

Proportion of Indigenous regular clients aged 15-34 who were tested for one or more sexually transmissible infections (STIs) (Clamydia and/or gonorrhoea) within the previous 12 months.

Current %	
National Current %	n/a

Primary Responsibility

- GPs
- Nurses
- AHW

Improvement Strategies

n/a

Evidence for the National current %

National Key Performance Indicators for Aboriginal and Torres Strait Islander Primary Health Care: results to June 2018, An overview of nKPI results to June 2018 – Australian Institute of Health and Welfare (aihw.gov.au)

Action

- Patients with either a Chlamydia or Gonorrhoea test result recorded is defined as patients whose records contain a pathology result with a relevant LOINC code.

Numerator

- Number of Indigenous regular clients who were tested for chlamydia and/or gonorrhoea within the previous 12 months.

Denominator

- Number of Indigenous regular clients.

Data Entry Field

n/a

Disaggregation

- **Age:** 15–19years, 20–24 years, 25–29 years, 30–34 years
- **Gender:** Male and Female

Notes

Notes

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