



nKPI

Data Reference Manual for Communicare

Based on version 22.1

JANUARY 2023



This guide refers to Clinical Items and Reports that are included with a 'standard install' of Communicare, but which may either be disabled or modified in your version.

There may also be additional service-preferred items which are used for recording some of this data, so please consider liaising with your Communicare Administrator or Data Coordinator to see if this document requires local adjustments.

Also, for detailed assistance with particular KPI indicator codes and issues, please either call Communicare Systems Helpdesk, or log a job with their online 'Jira' Helpdesk system.

For assistance with Pen CAT, please contact Pen CAT, or your local NACCHO Affiliate (QAIHC, AH&MRC, AHCSA, TAC, VACCHO, AMSANT, AHCWA, WNAHCS) or PHN if they are your usual support for this.

Support Contacts

Communicare

JIRA Job-Logging system:

jira.telstrahealth.com/servicedesk/customer/portal/

E: support@communicare.telstrahealth.com

Helpline: 1800 798 441

PEN CAT4

pencs.com.au/support/

E: support@pencs.com.au

Helpline: 1800 762 993

NACCHO affiliate link:

naccho.org.au/naccho-affiliates

PHN Directory by state/territory

[health.gov.au/internet/main/publishing.nsf/](https://health.gov.au/internet/main/publishing.nsf/Content/PHN-Contacts)

[Content/PHN-Contacts](https://health.gov.au/internet/main/publishing.nsf/Content/PHN-Contacts)

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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%

Service Responsibility

- New Directions
- Nurses/AWA
- GPs

Improvement Strategies

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

Action

- Birth weights are obtained from the infant's record.
- All births in last 12 months are considered whether infant was a regular client or not.
- The infant must have at least one recorded visit to the health service.
- Only live births.

Numerator

- Number of Indigenous babies born in the 12 months up to the census date who attended the organisation more than once whose birthweight 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. Report > National KPI > PI01 Birth Weight Recorded
2. Report > National KPI > PI01 Birth Weight Recorded Patients

Personal	Social	Administration	Additional
Names	Sex Female	Date of Birth 01/05/2021	Estimated Birth weight 3.75 Kg
Forenames	Family Name	Preferred	Medicare HI Nyaparu
BABY OF THERESA	AKAY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

Birth details

Use this item to record measurements taken at birth. Record this information in the i (cms) and weight must be recorded in kilograms (kg). Ensure the date is changed to

Christine Ellison, Millennium Health Service (Aboriginal Health Service) 05/05/2021 10:54:45 AM

Comment

Date of Birth 05/05/2021

Height 50 cm

Weight 3.75 kg

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
- Data entry training for staff
- Antenatal visits follow ups
- Strong linkages with local hospital and health services

Action

- Birth weights are obtained from the infant's record.
- 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 birthweight 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 birthweight was recorded.

Data Entry Field

1. Report > National KPI > PI01 Birth Weight Categories
2. Report > National KPI > PI01 Birth Weight Categories Patients

Disaggregation

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

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

- Use Proda/Toggle to check if patients are due for 715
- Continue to develop new incentive shirts
- Opportunistic 715s performed

Action

- A patient is deemed to have received an MBS Health Assessment if a service has the MBS item selected for claiming, regardless of whether it has been submitted or paid.

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

1. Report > National KPI > PI03 Health Checks
2. Report > National KPI > PI03 Health Checks Patients

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.

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

- Data entry training for staff
- Screening updated
- DACC updated every visit
- Increase nurse visits

Action

- Only Type 2 diabetes 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

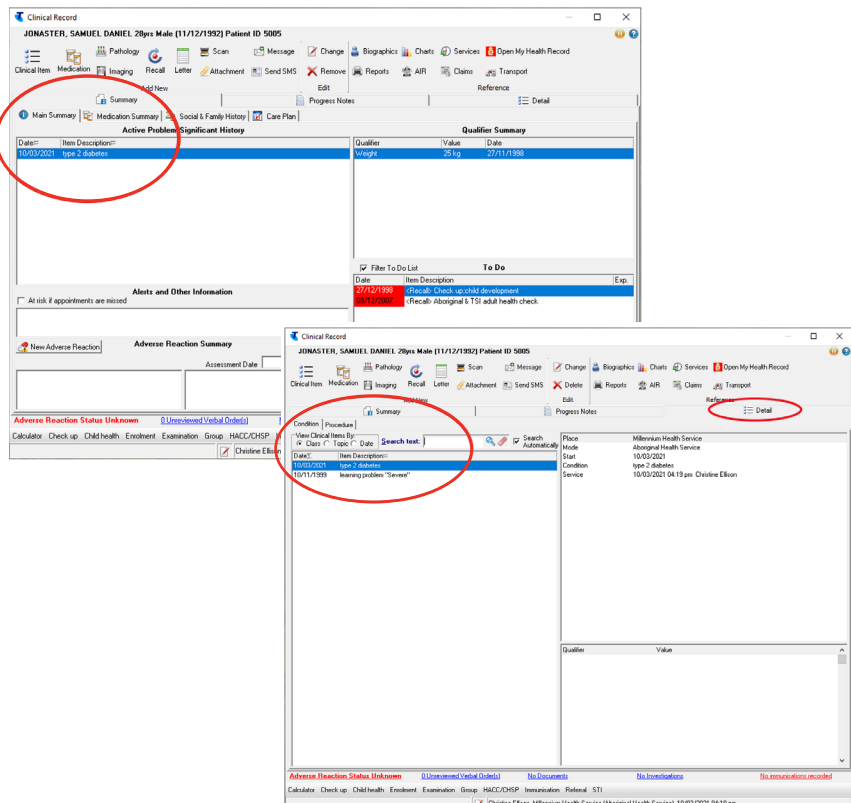
- Number of Indigenous regular patients with Type 2 diabetes.

Data Entry Field

1. Report > National KPI > PI05 Diabetes HbA1c Tests
2. Report > National KPI > PI05 Diabetes HbA1c Tests Patients

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 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 \leq 7%) 39%
--------------------	---------------------------

Primary Responsibility

- Nurses
- AHW
- GPs
- Chronic care coordinator

Improvement Strategies

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

Action

- Only Type 2 diabetes is considered
- 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. Report > National KPI > PI06 Diabetes HbA1c Results 6 Months
2. Report > National KPI > PI06 Diabetes HbA1c Results 12 Months
3. Report > National KPI > PI06 Diabetes HbA1c Results Patients

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**

Add Clinical Item - JONASTER, SAMUEL DANIEL 28yrs Current Patient Male

Test:HbA1c

Christine Ellison, Millennium Health Service (Aboriginal Health Service) 10/03/2021 04:19 pm

Comment Display on Main Summary

Performed date: 10/03/2021

Actual duration (minutes):

Point of care test (No previous values)

This qualifier captures HbA1c values recorded in mmol/mol. If the value you have recorded in % then either record this in the qualifier 'HbA1c (%)' or convert using this formula:
SI HbA1c unit (mmol/mol) = 10.93 x NGSP unit (%) - 23.50

HbA1c: mmol/mol (No previous values)

HbA1c (%): 5.9 % (No previous values)

Viewing right: Common

Print & Save Save Cancel Help

If the patient is diabetic there should be a diagnosis/condition listed in their Clinical Record, Main Summary, in the 'Active Problem/Significant History' panel, and/or under the 'Details' tab, viewing by 'Class' and on the 'Condition' tab.

The image displays two screenshots of a clinical record system for patient JONASTER, SAMUEL DANIEL (28yrs Male, Patient ID 5005).

Left Screenshot: Shows the 'Active Problem/Significant History' panel. A red circle highlights the entry: Date: 10/03/2021, Item Description: type 2 diabetes.

Right Screenshot: Shows the 'Details' tab for the condition. A red circle highlights the entry: Date: 10/03/2021, Item Description: type 2 diabetes. The 'Condition' column lists 'type 2 diabetes' and 'learning problem "Severe"'. The 'Procedure' column lists 'type 2 diabetes'.

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

- A patient is deemed to have received a GP Management Plan if a service has the MBS item checked for claiming, regardless of whether it has been submitted or paid..

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

1. Report > National KPI > PI07 Diabetes GP Management Plan
2. Report > National KPI > PI07 Diabetes GP Management Plan Patients

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**

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%
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Primary Responsibility

- IHPs
- Nurses

Improvement Strategies

- Include in IHP screening and assessment
- Include in Nurse screening and assessment
- Data extraction shows clients with no smoking status recorded for follow up

Action

- Patients must have had a qualifier recorded with a system code of SMO or SMP to be included. Central qualifiers are Smoking status and smoking during pregnancy.

Numerator

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

Denominator

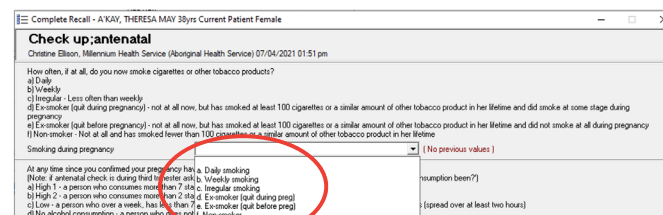
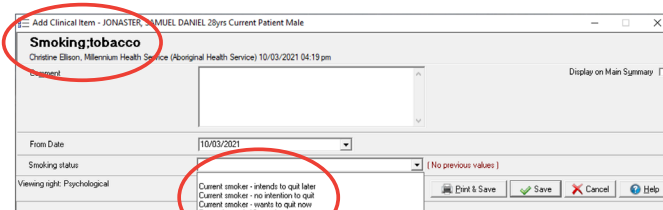
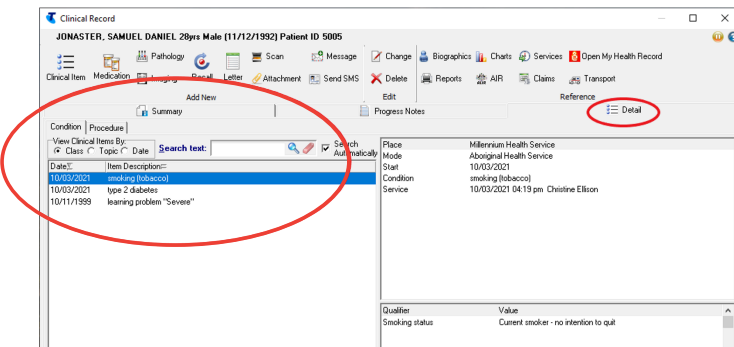
- Regular, Indigenous patients aged 11 years and over.

Data Entry Field

1. Report > National KPI > PI09 Smoking Status
2. Report > National KPI > PI09 Smoking Status Patients

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 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

Current %

National Current %	52%
National Target %	40%

Primary Responsibility

- Clinic staff
- New Directions

Improvement Strategies

- Include in IHP screening and assessment
- Include in Nurse screening and assessment
- Data extraction shows clients with no smoking status recorded for follow up

Action

- Patients must have had a qualifier recorded with a system code of SMO or SMP to be included. Central qualifiers are Smoking status and smoking during pregnancy
- For 'current smoker' – add together 'daily smoker', 'weekly smoker' and 'irregular smoker'.

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. Report > National KPI > PI10 Smoking Status
2. Report > National KPI > PI10 Smoking Status Patients

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**

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

Current %

National Current %	50%
National Target %	37%

Primary Responsibility

- New Directions
- Nurse/AWA
- GPs

Improvement Strategies

- Include in IHP screening and assessment
- Include in nurse screening and assessment
- Data extraction shows clients with no smoking status recorded for follow up
- Smoking status recorded/ details updated at each visit

Action

- Patients must have had a qualifier recorded with a system code of SMO or SMP to be included. Central qualifiers are Smoking status and smoking during pregnancy
- Include only the most recent smoking status recorded prior to the completion of the latest pregnancy. Where an Indigenous regular client's tobacco smoking status does not have an assessment date assigned in the CIS, smoking status should not be counted.

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. Report > National KPI > PI11 Smoking in Pregnancy
2. Report > National KPI > PI11 Smoking in Pregnancy Patients

Disaggregation

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

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
<ul style="list-style-type: none"> • AWA • Nurses

Improvement Strategies
<ul style="list-style-type: none"> • Include in IHP screening and assessment • Offer nurse or MBS item 81300 follow up • Refer to Dietitian

Action

- Only the most recent measurement result with a system code of BMI in the previous 24 months is considered.
- Only include clients with both height and weight recorded whose BMI was classified using a height measurement taken since the client turned 18 years old and a weight measurement taken within the previous 24 months. The 'not calculated' category includes clients with neither height nor weight recorded, as well as those with invalid height and/or weight recorded.

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

1. Report > National KPI > PI12 Overweight
2. Report > National KPI > PI12 Overweight Patients

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**

Weight	<input type="text" value="78"/>	kg
Height	<input type="text" value="159"/>	cm
Click in the BMI box to automatically calculate from last recorded weight and height.		
BMI	<input type="text" value="30.9"/>	kg/m2

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

- IHPs
- Nurses/AHW
- New Directions

Improvement Strategies

- Data entry training for staff
- Clinic staff education
- Patient education and resources

Action

- Although the category of No result is included as part of the specifications, the additional category of (No known antenatal care) is specifically to report on patients where, in Communicare, the clinical item No known antenatal care has been recorded, and there is no prior or subsequent antenatal activity recorded.
- 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. Report > National KPI > PI13 Antenatal Care
2. Report > National KPI > PI13 Antenatal Care Patients

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

Complete Recall - A'KAY, THERESA MAY 38yrs Current Patient Female

Check up;antenatal
Christine Ellison, Millennium Health Service (Aboriginal Health Service) 07/04/2021 01:51 pm

Pregnancy details

Date of LNMP	<input type="text"/>	(11/07/2007 25/06/2007)
Estimated delivery (by ultrasound)	<input type="text" value="08/04/2021"/>	(No previous values)
Estimated delivery (by date)	<input type="text" value="08/04/2021"/>	(11/07/2007 31/03/2008)

[If weeks and days are known then enter days as a decimal: 0.1 for one day, 0.3 for two days, 0.4 for three days, 0.6 for four days, 0.7 for five days and 0.9 for six days. For example, for 31/40 + 4 enter 31.6.]

Gestation	<input type="text" value="39"/> weeks	(12/06/2008 40 weeks)
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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
- Nurses
- GPs
- IHPs

Improvement Strategies

- Data entry training for staff
- Dedicated flu shot days
- Offer incentives
- All clients are offered flu vaccine

Action

- All immunisations are to be entered into the file even if they were not administered at this clinic (just note as 'not given here')
- Do not include Indigenous regular clients in the numerator if they have not been vaccinated, regardless of the reason.

Numerator

- Number of Indigenous regular clients aged 6 months and over who were immunized 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. Report > National KPI > PI14 Influenza Immunisations
2. Report > National KPI > PI14 Influenza Immunisations Patients

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

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
- IHPs

Improvement Strategies

- Include in IHP Screening and assessment
- Include in Nurse screening and assessment
- Data extraction shows clients with no alcohol status recorded or details recorded for follow up
- Alcohol status recorded / details updated at each visit

Action

- Patients must have had a qualifier with a system code of ALC or ALPreceded to be included
- Central qualifiers are Alcohol Consumption Level and Alcohol Consumption During Pregnancy.
- Example clinical items include Checkup; Aboriginal & TSI adult, Checkup; antenatal
- Alternatively, in the AUDIT-C assessment (Checkup; alcohol; AUDIT-C), they may have at least the first two qualifiers recorded, or an AUDIT-C score or a full AUDIT score.

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. Report > National KPI > PI16 Alcohol Status
2. Report > National KPI > PI16 Alcohol Status Patients

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

Christine Ellison, Millennium Health Service (Aboriginal Health Service) 07/04/2021 02:17 pm

Comment

Planned date: 20/12/2000

Recall expiry date

Responsibility

Performed date: 07/04/2021

Actual duration (minutes)

Pre-check Examination of the patient Assessment of patient

Smoking status

Alcohol consumption level

AUDIT-C offered

Ask question "How often do you have a drink containing alcohol?"

Ex-drinker
Non-drinker
Unsafe - needs intervention
Within safe drinking limits

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
- IHPs

Improvement Strategies

- Alcohol patient education and resources
- Clinical staff updated on AUDIT-C assessment tool
- Alcohol status to be updated at each visit

Action

- Any numeric qualifier with an export code of AUDITC is considered an AUDIT-C result. For example, in Check up; alcohol; AUDIT-C, the three Alcohol audit interview questions must have a value and the Alcohol AUDIT-C total must be calculated. These four qualifiers can be added to any clinical item to augment data collection.
- Do not include results from any other alcohol use screening tool.

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. Report > National KPI > PI17 AUDIT-C
2. Report > National KPI > PI17 AUDIT-C Patients

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**

Add Clinical Item - BROWN, MARTIN EVAN 55yrs Current Patient Male

Check up; alcohol; AUDIT-C

Begin the AUDIT by saying, "Now I am going to ask you some questions about your use of alcoholic beverages during the past year". Explain what is meant by "alcoholic beverages" by using local examples of beer, wine, vodka, etc.
Recommended limits (double-click to view and/or print):

Christine Ellison, Millennium Health Service (Aboriginal Health Service) 29/03/2021 02:59 pm

Comment:

Performed date: 29/03/2021

Actual duration (minutes):

Ask question "How often do you have a drink containing alcohol?"
 Alcohol audit interview Q1: (No previous values)

Ask question "How many drinks containing alcohol do you have on a typical day when you are drinking?"
 Alcohol audit interview Q2: (No previous values)

Ask question "How often do you have six or more drinks on one occasion?"
 Alcohol audit interview Q3: (No previous values)

In men, a score of 4 or more is considered positive, optimal for identifying hazardous drinking or active alcohol disorders. In women, a score of 3 or more is considered positive (same as above). However, when all the points are from Question 1 alone (2 and 3 are zero), it can be assumed that the patient is drinking below recommended limits and it is suggested that the provider review the patient's alcohol intake over the past few months to confirm accuracy. Generally, the higher the score, the more likely it is that the patient's drinking is affecting his or her safety.

Alcohol AUDIT-C total: score: 0 (No previous values)

Calculate Alcohol AUDIT-C total

Viewing right: Psychological

Print & Save Save Cancel Help

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%
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Primary Responsibility

- Nurses
- GPs
- IHPs

Improvement Strategies

- Screening updated
- Clinic staff training
- eGFR and ACR must occur at least once in a 12 month period

Action

- ACR results are identified as belonging to a qualifier with the system code of ACR and eGFR results are identified as belonging to a qualifier with the system code of GFE. Both laboratory and manually entered results are included.
- Do include results from all relevant pathology tests.
- In the 'type 2 diabetes and/or CVD' category, count clients with either or both conditions once only. For example, count a client with both type 2 diabetes and CVD once, not twice.

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. Report > National KPI > PI18 Kidney Function
2. Report > National KPI > PI18 Kidney Function Patients

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

Check up: Aboriginal & TSI adult

The Medicare item for Aboriginal and Torres Strait Islander people's health assessment should be claimed when this health assessment is complete.

Christine Ellison, Millennium Health Service (Aboriginal Health Service) 07/04/2021 02:17 pm

Cognit

Planned date: 20/12/2000
 Recall expiry date:
 Responsibility:
 Performed date: 07/04/2021
 Actual duration (minutes):

Pre-check: Examination of the patient | Assessment of patient

ACR (µmol/l) (Fasting) [No previous values]

Creatinine is used to record both Serum and Plasma Creatinine without differentiation.
 Creatinine [No previous values]

eGFR (Estimated GFR) [No previous values]

Click in the GFR box to automatically calculate from last recorded weight, height and creatinine.
 GFR (ideal body weight) [No previous values]

Total cholesterol/HDL ratio [No previous values]

Total cholesterol level [No previous values]

Viewing rights: Common | Save & Write Letter | Print & Save | Save | Cancel | Help

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 > 35 mg/mmol (females)
 - ACR > 25 mg/mmol (males);
 OR eGFR less than 30 mL/min/1.73m² and 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%
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Primary Responsibility

- GPs
- Nurses
- IHPs

Improvement Strategies

- Clinic staff training in CVD risk assessment
- Patient education and resources

Action

- Count is of people, not tests.
- Clients must have both a valid eGFR AND a valid ACR test result recorded to be categorized as normal/low/moderate/high risk.
- Consider only the most recent eGFR and ACR tests. This means that if a client has had several tests, include only the results from the most recent tests.
- Results from all relevant pathology tests.

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. Report > National KPI > PI18 Kidney Function Results
2. Report > National KPI > PI18 Kidney Function Results Patients

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**

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%
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Primary Responsibility

- GPs
- Nurses
- IHPS

Improvement Strategies

- Clinical staff training in CVD risk assessment
- Patient education and resources

Action

- Patients must have a sex and date of birth.
- Patients must have the following recorded in the previous 24 months:
 - smoking status (reference qualifier with system code of SMO or SMP).
 - systolic blood pressure (numeric qualifier with system code of BPS).
 - either total cholesterol and HDL (numeric qualifiers with system codes of CHO and HDL) or cholesterol/HDL level (numeric qualifier with system code of CHR)
- Do not include Indigenous regular clients with CVD.

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

1. Report > National KPI > PI20 CVD Risk Factors
2. Report > National KPI > PI20 CVD Risk Factors Patients

CV Risk Calculator (CARPA STM)

This clinical item assesses the absolute cardiovascular risk for this patient in the next 5 years. Click the 'Calculate Cardiovascular Risk: Audit (CARPA STM)' button to see if you have sufficient data to make the calculation, then click the 'Calculate Cardiovascular Risk: 5 Year (CARPA STM)' button to see the result. [Double-click here for more details...](#)

Christine Elson, Millennium Health Service (Original Health Service) 09/04/2021 10:42 am

Performed date: 09/04/2021

Cardiovascular Risk: Audit (CARPA STM) [No previous values]

Cardiovascular Risk: 5 Year (CARPA STM) [No previous values]

Cardiovascular Risk Details

If required, update the details below with values current for today. The audit above will let you know if any of these are missing or more than 24 months old. Note that missing diagnoses for diabetes, CVD, CKD or LHM must be entered as conditions and missing biographic details such as sex, age and Aboriginality must be entered in the Biographics. In these cases, cancel this item, enter the missing details and then add this item again.

Smoking status: [No previous values]

BP - Systolic blood pressure: [18/12/2020] 125 mm Hg

BP - Diastolic blood pressure: [No previous values]

Total cholesterol level: [No previous values]

HDL level: [No previous values]

Total cholesterol/HDL ratio: [No previous values]

CV Risk Calculator (Framingham)

This clinical item assesses the absolute cardiovascular risk for this patient in the next 5 years. Click the 'Calculate Cardiovascular Risk: Audit (Framingham)' button to see if you have sufficient data to make the calculation, then click the 'Calculate Cardiovascular Risk: 5 Year (Framingham)' button to see the result. [Double-click here for more details...](#)

Christine Elson, Millennium Health Service (Original Health Service) 07/04/2021 02:17 pm

Performed date: 07/04/2021

Cardiovascular Risk: Audit (Framingham) [No previous values]

Cardiovascular Risk: 5 Year (Framingham) [No previous values]

Cardiovascular Risk Details

If required, update the details below with values current for today. The audit above will let you know if any of these are missing or more than 24 months old. Note that missing diagnoses for diabetes, CVD, CKD or LHM must be entered as conditions and missing biographic details such as sex, age and Aboriginality must be entered in the Biographics. In these cases, cancel this item, enter the missing details and then add this item again.

Smoking status: [No previous values]

BP - Systolic blood pressure: [No previous values]

BP - Diastolic blood pressure: [No previous values]

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%
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Primary Responsibility

- GPs
- Nurses
- AWH

Improvement Strategies

- Screening updated
- Clinical staff training
- External education

Action

- Do not include Indigenous regular clients with CVD.
- Only the most recently recorded result from an absolute CVD risk assessment. This means that if a client has had several assessments, include only the results from the most recent assessment.
- Patients must have a record of their cardiovascular risk (high, moderate, or low) recorded within the previous 24 months. For the purpose of this report the cardiovascular risk needs to be recorded as a reference type qualifier or a numeric type of qualifier with appropriate export or system codes:
 - For CARPA STM guidelines, either of the following:
 - Reference type qualifier with an export code of CVR-R05C and dropdown references with system codes of H, M or L (for high, moderate, or low)
 - Numeric type qualifier with units of % and an export code of CVR-N05C
 - For Framingham calculations either of the following:
 - Reference type qualifier with an export code of CVR-R05F and dropdown references with system codes of H, M or L (for high, moderate, or low)
 - Numeric type qualifier with units of % and an export code of CVR-N05F

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. Report > National KPI > PI21 CVD Risk
2. Report > National KPI > PI21 CVD Risk Patients

Disaggregation

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

Cervical screening

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 papillomavirus (HPV)) test within the previous 5 years.

Current %

National Current %	28%
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Primary Responsibility

- Nurses/AHW
- GPs
- New Directions

Improvement Strategies

- Women wellness clinic
- Screening updated
- Staff nKPI education

Action

- A cervical screening result is any incoming electronic pathology result identified as being a cervical screening where its laboratory description contains CST, HPV, LBC, CERVICAL SCREEN, GYNAECOLOGICAL CYTOLOGY or NCSP.
- A cervical screening request is a pathology request which has a keyword of CST, HPV, or LBC.
- A cervical screening clinical item is a completed item of any class with the export code of CST, HPV or LBC.
- A cervical screening qualifier is any qualifier which is a Yes/No qualifier with the export code of CST, HPV or LBC where the response recorded was Yes.
- Do not include Indigenous regular clients whose last screening was more than 5 years ago or before 1 December 2017.

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. Report > National KPI > PI22 Cervical Screening
2. Report > National KPI > PI22 Cervical Screening

Disaggregation

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

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

- Only Type 2 diabetes is considered (any ICPC code of T90). Type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, impaired fasting glucose, impaired glucose tolerance is not included. For more information, see System codes.
- Any qualifier with a system code of BPS or BPD is considered a systolic or diastolic blood pressure measurement.

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. Report > National KPI > PI23 Diabetes BP Tests
2. Report > National KPI > PI23 Diabetes BP Tests Patients

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

The screenshot shows a clinical data entry form titled "Check up: blood pressure" for a patient named Greta Bertha. The form includes fields for "Performed date" (01/04/2021), "Actual duration (minutes)", "BP - Systolic blood pressure" (15/10/1998 100 mm Hg), and "BP - Diastolic blood pressure" (15/10/1998 60 mm Hg). There are checkboxes for "Display on Main Summary" and "Display on Qbotetic Summary". At the bottom, there are buttons for "Print & Save", "Save", "Cancel", and "Help".

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%
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Primary Responsibility

- GPs
- Nurses
- AHW

Improvement Strategies

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

Action

- Only Type 2 diabetes is considered (any ICPC code of T90). Type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, impaired fasting glucose, impaired glucose tolerance is not included. For more information, see System codes.
- The patient does not have a blood pressure measurement of less than or equal to 140/90 mmHg if either the systolic or diastolic reading is above the threshold (140 and 90 respectively).
- Only the most recent blood pressure measurement result in previous 6 months is considered.

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. Report > National KPI > PI24 Diabetes BP Results
2. Report > National KPI > PI24 Diabetes BP Results Patients

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

Sexually transmissible infections

Description:

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

Current %

National Current %	n/a
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Primary Responsibility

- GPs
- Nurses
- AHW

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

- Consider only tests where the result is recorded in the Clinical Information System (CIS). Do not include tests that have been requested but a result has not been recorded.
- Ensure that your data are from the correct time period, as specified in the indicator description.
- Count is of people, not tests.
- Consider only the most recent test.

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

1. Report > National KPI > PI25 STI Results
2. Report > National KPI > PI25 STI Results Patients

Disaggregation

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

nKPI PENCAT EXTRACTIONS for auditing and improvement cycles

PI01 & PI02

- Report Tab
- Maternal Health Care, baby birth weight, patient record tab
- Set the filter as follows:
 - Ethnicity tab—select Indigenous
 - Date Range (results): select results <=12months
 - Recalculate

PI03

- MBS Tab, Count
- Set the filter as follows:
 - Ethnicity tab select Indigenous
- For 0–4 Age**
 - Select Active (3 x in 2yrs)
 - General Tab, End Age = 4
 - Date Range (results): select results <=12months
 - Recalculate
- For 25 and Above Age**
 - General tab, start age = 25, select Active (3 x 2yrs)
 - Date range (results): select results <=24months
 - Recalculate

PI05 & PI06

- Report Tab
- Pathology, HbA1c Tab
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, select Active (3x in 2yrs)
 - Conditions tab, select Diabetes Type II ticked

6 months

- Date range (results): select results <=6months
- Recalculate

12 months

- Run the report again to select results <=12months
- Recalculate

PI07

- Report Tab
- MBS Items, select the 721 segment
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, select Active (3x in 2yrs)
 - Conditions tab, select Diabetes Type II ticked

24 months

- Date Range (results): select results <=24mths
- Recalculate

12 months

- Run the report again to select results <=12mths
- Recalculate

PI09 & PI10

- Report Tab
- Smoking Tab
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, start age 15, select Active (3x in 2yrs)
 - Recalculate

PI11

- Report Tab
- Smoking Tab
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, start age 15, select Active (3x in 2yrs)
 - Conditions tab, select other, select pregnant yes
 - Recalculate

PI12

- Report Tab
- Measures, BMI
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, start age 25, select Active (3x in 2yrs)
 - Date Range (results): select results <=24mths
 - Recalculate

PI13

- Report Tab
- Maternal Health Care, antenatal visits, size in weeks at first visit tab
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, Gender Female, select Active (3x in 2yrs)
 - Recalculate

PI14

- Report Tab
- Immunisations Tab
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, Start age = 6 months, select Active (3x in 2yrs)
 - Recalculate

nKPI PENCAT EXTRACTIONS for auditing and improvement cycles

PI16 & PI17

- Report Tab
- Alcohol Tab
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, Start age = 15, select Active (3x in 2yrs)
 - Date Range (Results) tab, select <=24mths
 - Recalculate

PI18 & PI19

- Report Tab
- Pathology tab, eGFR, ACR, Microalbumin tabs
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, Start age = 15, select Active (3x in 2yrs)
 - Conditions tab, Diabetes Type II and Cardiovascular Disease (CVD) ticked
 - Date Range (Results) tab, select <=24mths
 - Recalculate

PI20

- Report Tab
- CV Event Risk
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, start age 35, End age = 74, select Active (3x in 2yrs)
 - Conditions tab, Cardiovascular Disease "No" ticked
 - Date Range (Results) tab, select <=24mths
 - Recalculate

PI21

- Report Tab
- CV Event Risk
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, start age 35, End age = 74, select Active (3x in 2yrs)
 - Conditions tab, Cardiovascular Disease "No" ticked
 - Date Range (Results) tab, select <=24mths
 - Recalculate
 - General tab, Start age = 20, End Age = 69
 - Gender Female, select Active (3x in 2yrs)
 - Conditions tab, select other, select pregnant yes
 - Recalculate

PI22

- Report Tab
- Screening, Pap Smear tab
- Pap smear done date
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, Start age = 25, End age = 74
 - Gender Female, Select Active (3x in 2yrs)
 - Recalculate

PI23

- Report Tab
- Measures, BP Tab
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, Select Active (3x in 2yrs)
 - Conditions tab, Diabetes type II selected
 - Date Range (Results) tab, select <=6mths
 - Recalculate

PI24

- Report Tab
- Measures, BP Tab
- Set the filter as follows:
 - Ethnicity tab, select Indigenous
 - General tab, Select Active (3x in 2yrs)
 - Conditions tab, Diabetes type II selected
 - Date Range (Results) tab, select <=6mths
 - Recalculate

Notes

Handwriting practice area with horizontal dashed lines.



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