

## CAT QAIHC Indicator Quick Reference Guide

The Queensland Aboriginal and Islander Health Council (QAIHC) have developed a set of core indicators, funded through the Health Information Project, designed to support quality improvement initiatives. A subset of these indicators is provided in the CAT QAIHC Indicators report.

The CAT QAIHC Indicators report is available for MD users only. MBS Item Indicators in the report (indicators 10, 12, 14 and 20) are available for MD/Pracsoft2 users only.

This guide provides a description of each indicator in the report. The 'CAT User Guide Appendices B: Medical Director Data Mappings' provides an explanation of where most of the data items are collected from in MD. This guide provides any additional explanations required and details of any calculations used.

### Notes:

- 1) All indicators report data from only patients that have had a visit in the last 6 months.  
A visit in MD is any patient contact that has been recorded in the progress notes.
- 2) In this report a child is 0-14 years and an adult  $\geq 15$  years.
- 3) To maximise your service's performance, all clinical staff or clinical service providers should have their own log ins for Medical Director and make a record of client or patient visits or consultations in progress notes and other parts of the MD 3 record as appropriate.

### 1. Service Contacts

The number of service contacts in the last 6 months

- Total
- Breakdown by the provider who has recorded the visit

### 6. Smoking

This indicator provides the Adult smoking status breakdown.

### 7. Alcohol

This indicator provides the Adult alcohol consumption status breakdown.

A drinker is **at risk** if they

- drink  $> 2$  drinks on a regular occasion
- binge drink which in MD is currently recorded as  $\geq 6$  drinks on any occasion

A drinker is **low risk** if they drink but do not meet the at risk criteria

### 8. Obesity and Overweight Prevalence

- a) Waist
- b) BMI

This indicator looks at Adult measurements taken in the last 12 months. It provides the breakdown of waist and bmi measurements by gender.

## 9. Physical Activity

This indicator looks at Adult physical activity assessment recorded in the last 2 years. A patient meets the physical activity guidelines if they are assessed with a moderate/high level of activity.

In MD a physical activity assessment is done by clicking on the 'running man' icon or choosing 'Assessment > Physical Activity' from the menu.

A physical activity assessment is deemed as done if either an assessment or a prescription is recorded.

Where an assessment has been done, if the score is > 5 the patient meets the physical activity guidelines, otherwise they do not meet the guidelines.

## 10. Adult Health Checks (MBS 704,706,710)

Adult patients who have had an adult health check done in the last 2 years

- 15-54 years
- >= 55 years

Note: MBS Item Indicators in the report are available for MD/Pracsoft2 users only.

## 11. Diabetic Client Coverage

The number of Adult patients with a diagnosis of Diabetes.  
This is compared with the expected % of 15%.

## 12. Diabetic Patients on GPMP (MBS 721)

The number of Adult Diabetic Type II patients who have had a GP Management Plan done in the last 2 years.

Note: MBS Item Indicators in the report are available for MD/Pracsoft2 users only.

## 13. Diabetes HbA1c Recorded

The number of Adult Diabetic Type II patients who have had an HbA1c recorded in the last 12 months.

## 14. CHD Patients on GPMP (MBS 721)

The number of Adult CHD patients who have had a GP Management Plan done in the last 2 years.

Note: MBS Item Indicators in the report are available for MD/Pracsoft2 users only.

## 15. Hypertension Prevalence and Screening

- a) BP < 12 mths
- b) Patients with Hypertension
- c) Patients with Hypertension and BP < 6mths

The risk of cardiovascular diseases increases as BP increases. These indicators look at the level of BP recording in the Adult patient population and the Adult patient population with Hypertension.

- a) The number of adult patients in the population who have had a BP recorded in the last 12 months
- b) The number of adult patients with a diagnosis of Hypertension  
This is compared with an expected % of 10%.
- c) The of adult patients with a diagnosis of Hypertension who have had a BP recorded in the last 6 months

## 16. Hypertension on correct Medication

The number of Adult Hypertension patients currently on an ACE or A2 medication.

## 17. Antenatal Care Coverage

The Proportion of Indigenous women who gave birth in the last 6 months who attended antenatal care.

Refer to Table 1 at the end of this guide for MD data:

- Pregnancy pane Date column provides the date of birth (only counting dates <= 6mths)
- Antenatal pane with any visit for this pregnancy is an antenatal attendance

## 18. Timely Antenatal Care

The Proportion of Indigenous women who gave birth in the last 6 months who attended their first antenatal care visit

- <= 13 wks
- 13wks – 20 wks
- > 20 wks

Refer to Table 1 at the end of this guide for MD data:

- Pregnancy pane Date column provides the date of birth (only counting dates <= 6mths)
- Pregnancy pane Gest. column provides the gestation in weeks at birth
- Antenatal pane first visit date for this pregnancy is compared to the gestation to determine which category the first visit falls into

## 19. Low and High Birth weight Babies

The Proportion of babies born to Indigenous women\* whose weight was

- < 2500 grams
- 2500 – 4499 grams
- >= 4500 grams

Refer to Table 1 at the end of this guide for MD data:

- Pregnancy pane Outcome column determines if a birth is live
- Pregnancy pane Date column provides the date of birth (only counting dates <= 6mths)
- Pregnancy pane Gest. column provides the gestation in weeks at birth
- Pregnancy pane B.Weight column provides the birth weight in grams

\* includes live births only, excludes births <= 20 weeks gestation

## 20. Indigenous Child Health Checks (MBS 708)

Indigenous children who have had a child health check done in the last 2 years

- $\leq 5$  years
- $> 5$  and  $< 15$  years

Note: MBS Item Indicators in the report are available for MD/Pracsoft2 users only.

## 21. Under and Overweight Children

- a)  $< 5$  years
- b) 5-15 years

This indicator looks at childrens measurements taken in the last 12 months.

- Children  $< 5$  yrs – weight and height
- Children  $\geq 5$ ,  $< 15$  - bmi

The indicator compares the measurements against the 5<sup>th</sup> and 95<sup>th</sup> percentile of the WHO growth charts. These are available at

<http://www.who.int/childgrowth/standards/en/index.html>

## 26. Adequate Antenatal Care

The Proportion of Indigenous women who gave birth in the last 6 months who attended antenatal care

- $\geq 4$  visits
- $\leq 3$  visits
- No visit recorded

Refer to Table 1 at the end of this guide for MD data:

- Pregnancy pane Date column provides the date of birth (only counting dates  $\leq 6$  mths)
- Antenatal pane visits are counted

## 27. Proportion of Preterm Births

The Proportion of Indigenous women who gave birth in the last 6 months\* who were  $\leq 36$  weeks gestation.

Refer to Table 1 at the end of this guide for MD data:

- Pregnancy pane Outcome column determines if a birth is live
- Pregnancy pane Date column provides the date of birth (only counting dates  $\leq 6$  mths)
- Pregnancy pane Gest. column provides the gestation in weeks at birth

\* includes live births only, excludes births  $\leq 20$  weeks gestation

## 28. Risk of Renal Disease

This indicator provides a breakdown of Adults patients who have had a creatinine or ACR measurement recorded in the last 6 months.

a)-c) eGFR

Creatinine is used to calculate the eGFR using the revised MDRD formula:

$$\text{GFR (mL/min/1.73 m}^2\text{)} = 175 \times (S_{cr})^{-1.154} \times (\text{Age})^{-0.203} \times (0.742 \text{ if female})$$

Patients are reported for:

- eGFR > 90mls/min
- eGFR ≤ 90mls/min, ≥ 60mls/min
- eGFR < 60 mls/min

d) ACR

ACR (mg/mmol) = microalbumin (mg/L) / urinary creatinine (mmol/L)

In MD microalbumin is extracted from the pathology HL7 messages by MD and stored in the measurements table. Urinary creatinine is extracted by CAT from the pathology HL7 message where the pathology result includes the LOINC code 14683-7.

Patients are reported for:

- ACR > 3.5 g/mol

### Table 1: MD Pregnancy, Antenatal and Births

In MD, data on pregnancy, antenatal and births is collected from the Obstetric tab. The top pane provides the list of pregnancies. The bottom pane provides the list of antenatal visits for each pregnancy.

<b>Pregnancy Pane Columns</b>	
Date	Provides the date of birth (only counting dates ≤ 6mths)
Gestation	Gestation in weeks at birth Note: if this field is 0 the gestation will be calculated as date of birth – LNMP
LNMP	Last known menstrual period
Outcome	Live if Outcome and birth weight entered
B.Weight	Birth weight in grams
<b>Antenatal pane columns</b>	
Date	Antenatal visit date for this pregnancy

### Further Information

Further information is available from QAIHC:

PHMO, Dr Katie Panaretto on [KatiePanaretto@qaihc.com.au](mailto:KatiePanaretto@qaihc.com.au)

Health Informatics Project Officer, Melvina Mitchell on [MelvinaMitchell@qaihc.com.au](mailto:MelvinaMitchell@qaihc.com.au)