

SPECIFICATIONS FOR NATIONAL KEY PERFORMANCE INDICATORS AND ONLINE SERVICES REPORTING

Prepared by NPS MedicineWise for
Department of Health, Indigenous Health Division

December 2021 | v12 .1

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Suggested citation

NPS MedicineWise, Specifications for national Key Performance Indicators and Online Services Reporting. Sydney: NPS MedicineWise, 2021

Acknowledgments

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Version Control

Version	Date	Author	Change Description
8.2	17 Sept 2018	Improvement Foundation	Updates to include nKPI 22 relating to cervical cancer and disaggregation
9.0	26 June 2019	Indigenous Health Division	Transition activity and updates – Department of Health taking ownership and maintenance responsibility for the document. Includes cut down OSR for July 2019 reporting
9.1	26 June 2019	Indigenous Health Division	Inclusive of OSR Stage 2 for July 2020 reporting
10.0	03 December 2019 to 06 April 2020	NPS MedicineWise	Assume ownership from IHD Restrict scope to nKPI and OSR reporting only Modify some definitions to improve clarity Update system-specific lists
10.1	August 2020	NPS MedicineWise	Modifications to PI03, PI07, PI14 and PI22 and related measure codes
11.0	December 2020	NPS MedicineWise	Modifications to PI01, PI02, PI04, PI08, PI09, PI10, PI11, PI13 and PI24 and related measure codes. Added age disaggregation to OSR3a and updated related measure codes.
12.0	September 2021	NPS MedicineWise	Modifications to PI12, PI15, PI18, PI19A and PI19B and related measure codes. Updating of visit types and health provider roles by CIS. Suspended and retired nKPIs moved to Appendix C. Result code tables complied (Appendix D).
12.1	December 2021	NPS MedicineWise	Addition of condition coding framework (Appendix E).

INTRODUCTION

In 2011 the National Aboriginal and Torres Strait Islander Health Plan 2013-2023 was developed and Australian Health Ministers' Advisory Council (AHMAC) approved a set of 24 national Key Performance Indicators (nKPIs) to track and evaluate the Closing the Gap health outcomes of Aboriginal and Torres Strait Islander people. The nKPIs have been collected from around 230 organisations since June 2012. (In June 2018 data was submitted by 233 organisations.) The Australian Institute of Health and Welfare (AIHW) has produced national reports on the data set since May 2014.

The Online Service Report (OSR) data are currently reported annually from around 200 organisations funded by the Australian Government (through the Department of Health and the Department of the Prime Minister and Cabinet) to provide primary health care, child health care and maternal health care to Aboriginal and Torres Strait Islander people. Data for a small number of non-Indigenous clients attending these services were also included. Data collection has been ongoing for over 10 years, commencing in 2008–09.

In 2011, with the introduction of OCHREStreams, the Improvement Foundation added functionality to accept measures submitted to the National Key Performance. In 2013, further functionality was added with the ability to accept some of the indicators for the Online Services Report from data extraction tools.

In December 2018 the Health Data Portal replaced OCHREStreams as the official reporting mechanism for the OSR and nKPI data collections.

From a privacy perspective, the nKPI and OSR reporting set does not collect any personally identifying information (PII). All measures are based on aggregated practice level data and the use of data is covered in the Grant agreements between the Commonwealth and Health Services.

This document details the nKPI and OSR reporting requirements for all measures which can be generated from a complying clinical information system (CIS). A full description of each measure, as well as the clinical conditions, tests or procedures relevant to each measure are included.

This document is intended for use by service providers and software vendors as a single point of reference for defining the indicators included in the nKPI and OSR reports. As well providing references to standard national definitions such as the AIHWs Metadata Online Registry (METeOR), additional information regarding counting rules and other notes related to variations in process and CIS functionality is included. The additional detail and clarification are intended to ensure consistency (and thus comparability) in the reported measures.

Review of the nKPIs

In 2018 the Department of Health commenced a comprehensive review of the National Key Performance Indicators for Aboriginal and Torres Strait Islander primary health care (nKPI) and Online Services Report (OSR) data collections.

As a result of the review, some indicators will be updated to better align with clinical best practice and guidelines. The indicator updates will be implemented in phases. These specifications will be updated as the indicator changes come into effect. Some indicators will be retired or hibernated. These specifications remain in the document but have been moved to Appendix C.

Condition Coding Framework

NPS MedicineWise was contracted by the Department of Health in 2021 to undertake a review of the condition codes utilised in the nKPIs, and to produce a Condition Coding Framework (the Framework). Each CIS has their own coding system and the formats and methods for producing nKPI results are specific to each. The Framework accommodates the different clinical taxonomies used by each CIS. It

provides sufficient detail to enable a consistent condition definition across all CIS, that aligns with agreed national definitions. The Framework is included in Appendix E.

1 CLINICAL INFORMATION SYSTEM REQUIREMENTS

1.1 Report automation

Each vendor's software must allow the users to be able to schedule the initial population of the nKPI and OSR reports from the database within the CIS.

This enables users to schedule report generation overnight and reduce resource demand through normal operating hours.

1.2 Electronic data submission

The Health Data Portal (the Portal) allows electronic data submission from Health Services.

The Department has extended the use of the previously developed XML schema for OCHREStreams, allowing the submission of data directly to the Portal via a secure data exchange. The XML data submission details are provided to each software vendor via email.

At the commencement of a reporting period, Health Services required to report on their health-related data will be notified via email that the reporting round has commenced.

Each Health Service with a complying CIS will produce and review the required report and then transfer this report directly to the Portal as a data file. This is known as direct load and automatically creates a draft data asset submission in the Portal.

If there are any issues with the data at the time of the direct load, the Health Service will receive an email informing them of the issues. The Health Service can then log into the Portal and amend the data file as required before submitting the data asset for review and/or approval as needed.

Quick Reference Guides are available to guide users through this process in a step-by-step manner.

1.3 Functionality and capacity

Amendments to measures or expansion of report scope place additional demands on CIS vendors as functional changes are required to their systems. This necessitates investment of resources, financial and otherwise, and in some cases may require substantial structural database changes to allow for the appropriate capture of information.

The Department is committed to working with vendors and service providers to ensure that CISs remain aligned with the requirements of government and associated legislation to capture the information required for informed decision-making.

2 FOUNDATION DATA CONCEPTS

The following data concepts are fundamental in accurately identifying indicators and measures for nKPI and OSR reporting.

2.1 Clients

Client definition

(Used in nKPI and OSR reporting)

A client¹ is a consumer of health services provided by the reporting organisation, for whom a client record has been created in the CIS. Where the CIS includes a 'record status', the following exclusions apply, unless specifically defined within the indicator:

Record status	
Counted as a client	Not counted as a client
<ul style="list-style-type: none">• Active• Banned• Current patient• Emergency contact• Inactive• Next of kin• Past patient• Transient patient• Visiting	<ul style="list-style-type: none">• Deceased• Fictitious• Non-patient

Regular client

(Used in nKPI reporting)

A regular client is defined as a client who has an active medical record; that is, a client who attended² the Department of Health-funded primary health care service at least 3 times in the past 2 years.

(METeOR link: <https://meteor.aihw.gov.au/content/index.phtml/itemId/686291>)

There may be minor variations between health services with respect to the way in which multiple encounters with the same provider on the same day are recorded. Where a client attends a second or subsequent encounter with the same provider on the same day, each CIS provides the user with the option of continuing to add information to the initial visit record, or opening a new visit. Thus, all CISs have the capacity to capture multiple visits with the same provider on the same day.

Three of the four CISs that report directly to the Health Data Portal count each visit individually for the purpose of determining regular patient status. However, MMEx counts multiple visits with the same provider on the same day as a single visit, for the purpose of determining regular patient status. The impact of this variation is considered to be minimal.

¹ The definition of a regular client does not include deceased persons.

² The number of times a client 'attended' the service is equivalent to the number of visits recorded. More than one visit can be recorded on a single day.

2.2 Client demographics

Indigenous status

(Used in nKPI and OSR reporting)

Indigenous status is defined by whether a person identifies as being of Aboriginal or Torres Strait Islander origin.

Permissible values are:

- 1 Aboriginal but not Torres Strait Islander origin
- 2 Torres Strait Islander but not Aboriginal origin
- 3 Both Aboriginal and Torres Strait Islander origin
- 4 Neither Aboriginal nor Torres Strait Islander origin
- 9 Not stated/inadequately described

(METeOR link: <https://meteor.aihw.gov.au/content/index.phtml/itemId/602543>)

Note 1: Categories 1, 2 and 3 are classified as Indigenous. Category 4 is classified as Non-Indigenous.

Note 2: Where a baby does not have a separate client record, and the mother's record is used as a source of birth details for reporting nKPI01 and nKPI02, the baby is considered Indigenous if the mother is Indigenous.

The nKPI report includes only Indigenous clients for all indicators.

The OSR report includes all clients of the service including non-Indigenous clients. Each measure is disaggregated by Indigenous status (labelled 'Ethnicity') as:

- Indigenous (labelled 'Aboriginal and Torres Strait Islander')
- Non-Indigenous (labelled 'Non-Aboriginal and Torres Strait Islander')
- Not stated/inadequately described (labelled 'Aboriginal and Torres Strait Islander status not recorded')

Gender

(Used in nKPI and OSR reporting)

The distinction between male, female, and other genders which are a combination of male and female, or neither male nor female.

Permissible values are:

- 1 Male
- 2 Female
- 3 Other
- 9 Not stated/inadequately described

(METeOR link: <https://meteor.aihw.gov.au/content/index.phtml/itemId/635994>)

Age

(Used in nKPI and OSR reporting)

Where the definition of a measure or disaggregation includes the client's age, this refers to the age of the client as at the census date.

All nKPIs are defined or disaggregated by age or age group. Clients with unknown age are excluded from nKPI reports.

Clients with unknown age are not excluded from OSR reports.

2.3 Service measures

Visit/Client contact

(Used in nKPI reporting [Visit] and OSR reporting [Client contact])

A Visit/Client contact is defined as a clinical interaction between a client and the service, that leads to either the creation of a new client record or the updating of an existing client record in the CIS. This could include clinical interactions by telephone (telehealth).

Visits/Client contacts do not include:

- ▷ group contacts (eg, group antenatal classes, men's groups, support groups)
- ▷ administration activities (eg, sending SMS reminder, non-clinical phone calls)
- ▷ transport that does not involve the direct provision of health care
- ▷ participation in programs subcontracted to other organisations and funded externally
- ▷ routine care of clients in residential homes run by the service (where regular progress notes may be recorded in the residential aged care facility CIS).

Multiple visits/client contacts may occur on a single day.

Where the CIS includes a 'visit type' field, the following exclusions apply, unless specifically defined within the indicator:

Visit type	
Counted as a visit	Not counted as a visit
<ul style="list-style-type: none">• Home visit consultation• Hostel• Locum service• Nursing home consultation• RACF (residential aged care facility) consultation• Surgery consultation• Telehealth (clinical)• Other• Hospital consultation	<ul style="list-style-type: none">• Email• Non-visit• Out of office• Practice admin• SMS• Telephone (non-clinical)

Visits types included in four major Australian CISs (as at July 2021) are listed below.

Best Practice	Communicare	Medical Director	MMEx*
Counted as a visit (for reporting)			
<ul style="list-style-type: none"> • Home • Hostel • Locum service • Nursing home consultation • Surgery • Telehealth 	<ul style="list-style-type: none"> • Aboriginal health service • Client's home • Clinic – consult • Commercial setting (eg, pharmacy) • Community health centre • Community services centre • Day aged care centre • Day procedure centre (free-standing) • Dental room • Drug and alcohol agency • Health care practitioner office (any discipline) • Hostel • Inreach • Mobile clinic • Nursing home • Outreach • Prison • Renal dialysis centre (free-standing) • Respite care facility (non-hostel or nursing) • School • Supported residential accommodation • Telehealth video • Health Service • Telehealth-Provider • Telehealth-recipient • Court • Other • Hospital – all types • Hospital – emergency department • Hospital – general practice • Telephone 	<ul style="list-style-type: none"> • Home visit consultation • Locum service • Nursing home consultation • Surgery consultation • Telehealth 	<ul style="list-style-type: none"> • Attended appointments • Progress notes with the progress note class of 'consultation' • Patient billed visit
Not counted as a visit (for reporting)			
<ul style="list-style-type: none"> • Email • Hospital • Non visit • Out of office • SMS • Telephone • Other 	<ul style="list-style-type: none"> • Administration – client contact • Administration – no client contact • Contact attempt unsuccessful – no client contact • Dispensary – no client contact 	<ul style="list-style-type: none"> • Email • Practice admin • SMS • Other • Telephone • Hospital consultation 	<ul style="list-style-type: none"> • Appointments with the status of 'did not attend' • Progress notes with the progress note class of 'non-consultation'

*MMEx visit types are customisable so organisation can add additional visit types to this base set as required.

Episode of care

(Used in OSR reporting)

An episode of care comprises any client contacts occurring on a single calendar day. Multiple contacts on a single day are counted as one episode of care.

3 NATIONAL MANDATORY REPORTING

Health Services funded under the Indigenous Australians' Health Programme (IAHP) are required to provide reporting data via the Health Data Portal for three data collections, namely:

- ▷ National Key Performance Indicators (six-monthly)
- ▷ Online Services Report (annually) and
- ▷ Health Care Provider reports (annually).

This document includes only those measures (from the nKPI and OSR reports) which can be reported directly from CISs.

For each measure, relevant information is provided in the tabular format below. Where disaggregation options are available, these are matched to measure codes in Appendix A Measure Code Disaggregation.

[indicator/measure set code] – [indicator short name]	
Full name	[indicator long name]
Description	[indicator description]
Measure type	[indicator measure type]
Numerator	[numerator calculation description]
Denominator	[denominator calculation description]
Disaggregation	[disaggregation group] [disaggregation options]
Disaggregation points	[total number of measures]
Measure codes	[measure codes]
Counting rules	[specific counting instructions]
Notes	[notes relating to the indicator]
Definition owner	[indicator owner] ([indicator source])
METeOR link	[hyperlink to related METeOR definition]

3.1 National Key Performance Indicators

As part of the National Indigenous Reform Agreement, the Council of Australian Governments agreed that the Department of Health (formerly the Department of Health and Ageing), in partnership with the state and territory health departments and in collaboration with the Australian Institute of Health and Welfare, would develop a set of national Key Performance Indicators (nKPI) for Indigenous specific primary health care services.

The Indigenous primary health care national key performance indicators will monitor, inform, and provide a direct line of sight between the activities of federal and state- and territory-funded services that provide primary health care to Aboriginal and Torres Strait Islander people, and the Council of Australian Governments Closing the Gap targets, in particular the targets for life expectancy and child mortality.

The indicators will enable monitoring of the contribution of this part of the health system in achieving Closing the Gap targets. The nKPI are intended to:

- ▷ indicate the major health issues pertaining to the regular client population of Indigenous-specific primary health care services (especially those of maternal health, early childhood and the detection and prevention of chronic diseases)
- ▷ outline the extent to which government-funded Indigenous-specific primary health care services collect, record and review pertinent data on these issues, and
- ▷ reveal changes in health risks or outcomes that may be driven by the quality of care that government-funded services provide to their clients.

The nKPIs provide measures of the extent to which various general indicators of individual health and health-related behaviours among the Indigenous population are being captured by a targeted number of government-funded Indigenous-specific primary health care services. Further indicators may be added to the indicator set as new national data definitions are developed and incorporated into the Indigenous primary health care data set specification.

The population of interest in the nKPI is the 'regular client' population of an Australian Government Department of Health-funded primary health care service that is required to report against the Indigenous primary health care key performance indicators.

Additional context can be viewed in the [Indigenous primary health care key performance indicators 2020–2021](#).

NKPI – PI01: Birthweight recorded	
Full name	Proportion of Indigenous babies born within the previous 12 months, who attended the organisation more than once whose birthweight was recorded
Description	Proportion of babies born within the previous 12 months, who have had more than one visit and whose birthweight has been recorded at the primary health care service
Measure type	Percentage
Numerator	Number of Indigenous babies born within the previous 12 months who have had more than one visit and whose birthweight has been recorded at the primary health care service
Denominator	Total number of Indigenous babies born within the previous 12 months who have had more than one visit and had a medical record at the primary health care service
Disaggregation	Nil
Disaggregation points	One (1) measure is derived from this assessment
Counting rules	<ul style="list-style-type: none"> • Birthweight is defined as the first weight of a baby obtained after birth • Only live births are included • Results arising from measurements conducted outside of the service, that are known by the service, are included in the calculation of this indicator • Where a baby does not have a separate client record, and the mother's record is used as a source of birth details, the baby is considered Indigenous if the mother is Indigenous
Measure Code/s	NKPI-01002
Notes	<ul style="list-style-type: none"> • 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. (Note that this is a deviation from the METeOR definition)
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

NKPI – PI02: Birthweight result	
Full name	Proportion of Indigenous babies born within the previous 12 months, who attended the organisation more than once whose birthweight result was within specified categories
Description	Proportion of Indigenous babies born within the previous 12 months, who had had more than one visit and whose birthweight results were categorised as one of the following: <ul style="list-style-type: none"> • Low (less than 2,500 grams) • Normal (2,500 grams to less than 4,500 grams) • High (4,500 grams and over)
Measure type	Percentage
Numerator	The number of babies born within the previous 12 months, who have had more than one visit and whose birthweight results were categorised as [Disaggregation: Birthweight]
Denominator	The number of babies born within the previous 12 months, who have had more than one visit and whose birthweight has been recorded
Disaggregation	Birthweight: <ul style="list-style-type: none"> - bw-1 - bw-2 - bw-3
Disaggregation points	Three (3) measures are derived from this assessment
Measure Code/s	NKPI-02001 to 02003
Counting rules	<ul style="list-style-type: none"> • Birthweight is defined as the first weight of a baby obtained after birth • Only live births are included • Results arising from measurements conducted outside of the service, that are known by the service, are included in the calculation of this indicator • Where a baby does not have a separate client record, and the mother's record is used as a source of birth details, the baby is considered Indigenous if the mother is Indigenous
Notes	<ul style="list-style-type: none"> • 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
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

NKPI – PI03: Indigenous Health Assessment completed	
Full name	Proportion of Indigenous regular clients with a current completed Indigenous health assessment
Description	<p>Proportion of Indigenous regular clients who have a current completed Indigenous health assessment as indicated by:</p> <ul style="list-style-type: none"> An MBS-rebated Indigenous health assessment: <ul style="list-style-type: none"> In-person MBS-rebated items - MBS items: 715 or 228 Telehealth MBS-rebated items - MBS items: 92004, 92016, 92011 or 92023 <p>For ages 0–14: an Indigenous health assessment is counted if it was completed within the previous 12 months</p> <p>For ages 15+: an Indigenous health assessment is counted if it was completed within the previous 24 months</p>
Measure type	Percentage
Numerator	<p>Calculation A: Number of [Disaggregation: Gender] Indigenous regular clients aged [Disaggregation: Age] who have a current completed in-person MBS-rebated Indigenous health assessment (MBS items: 715 or 228)</p> <p>Calculation B: Number of [Disaggregation: Gender] Indigenous regular clients aged [Disaggregation: Age] who have a current completed Telehealth MBS-rebated Indigenous health assessment (MBS items: 92004, 92016, 92011 or 92023)</p>
Denominator	Calculation A and B: Total number of [Disaggregation: Gender] Indigenous regular clients aged [Disaggregation: Age]
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> 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 <p>Gender:</p> <ul style="list-style-type: none"> Male Female <p>Type of health assessment:</p> <ul style="list-style-type: none"> In-person MBS-rebated Indigenous health assessment Telehealth MBS-rebated Indigenous health assessment
Disaggregation points	Thirty-two (32) measures are derived from this assessment
Measure Code/s	NKPI-03002 to 03006, NKPI-03008 to 03034
Counting rules	<p>Count is of people, not assessments</p> <p>Consider only the most recent assessment</p>
Notes	<p>This indicator is likely to be further revised for the June 2021 collection period to include equivalent Indigenous health assessments</p> <p>A 'total' Indigenous health assessment category will be calculated for national reporting purposes based on submitted data but is not required to be collected/submitted by organisations</p>

Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/731804

NKPI – PI05: HbA1c recorded	
Full name	PI05: Proportion of regular clients with type 2 diabetes who have had an HbA1c measurement result recorded
Description	Proportion of clients with Type 2 diabetes, who have had an HbA1c measurement result recorded within the previous: <ul style="list-style-type: none"> • 6 months • 12 months
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients with Type 2 diabetes aged [Disaggregation: Age] who have had an HbA1c test result recorded within the previous [Disaggregation: Test within previous]
Denominator	The number of [Disaggregation: Gender] clients with Type 2 diabetes aged [Disaggregation: Age]
Disaggregation	Age: <ul style="list-style-type: none"> - 0–4 years - 5–14 years - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and over Gender: <ul style="list-style-type: none"> - Male - Female Test within previous: <ul style="list-style-type: none"> - 6 months - 12 months
Disaggregation points	Thirty-two (32) measures are derived from this assessment
Measure Code/s	NKPI-05001 to 05032
Counting rules	Nil
Notes	'HbA1c' – glycosylated haemoglobin 'Type 2 diabetes' – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/739347

NKPI – PI06: HbA1c result	
Full name	PI06: Proportion of regular clients with Type 2 diabetes whose HbA1c measurement result was within a specified level
Description	<p>Proportion of regular clients who are Indigenous, have Type 2 diabetes and whose HbA1c measurement result, recorded within either the previous 6 months or 12 months, was categorised as one of the following:</p> <ul style="list-style-type: none"> • less than or equal to 7% • greater than 7% but less than or equal to 8% • greater than 8% but less than 10% • greater than or equal to 10%
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients with Type 2 diabetes aged [Disaggregation: Age] whose most recent HbA1c measurement result, recorded within the previous [Disaggregation: Test within previous] , was [Disaggregation: HbA1c result]
Denominator	The number of [Disaggregation: Gender] clients with Type 2 diabetes aged [Disaggregation: Age] who have had an HbA1c test result recorded within the previous [Disaggregation: Test within previous]
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - 0–4 years - 5–14 years - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and over <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female <p>Test within previous:</p> <ul style="list-style-type: none"> - 6 months - 12 months <p>HbA1c result:</p> <ul style="list-style-type: none"> - hr-1 - hr-2 - hr-3 - hr-4
Disaggregation points	One-hundred and twenty-eight (128) measures are derived from this assessment
Measure Code/s	NKPI-06001 to 06128
Counting rules	Nil
Notes	'Type 2 diabetes' – specifically excludes Type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance

	<p>Conversion of HbA1c results from percentage to mmol/mol and vice-versa is performed by using the 'master equation' specified in the Medical Journal of Australia³:</p> $\text{HbA1c (mmol/mol)} = (10.93 \times \text{HbA1c (\%)}) - 23.50$
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/739353

³ Jones G, Barker G, Goodall I, Schneider H-G Shephard M, Twigg S (2011) Change of HbA1c reporting to the new SI units, Medical Journal of Australia, Med J Aust 2011; 195 (1): 45-46. <https://www.mja.com.au/journal/2011/195/1/change-HbA1c-reporting-new-si-units>
<http://www.abs.gov.au/ausstats/abs@.nsf/Lookup/4363.0.55.001Chapter670222011-13>

NKPI – PI07: Chronic Disease Management Plan prepared	
Full name	PI07: Proportion of Indigenous regular clients with a chronic disease for whom a Chronic Disease Management Plan was prepared
Description	<p>Proportion of Indigenous regular clients who have a chronic disease (Type 2 diabetes) and for whom a Chronic Disease Management Plan was prepared within the previous 24 months as indicated by:</p> <ul style="list-style-type: none"> An MBS-rebated Chronic Disease Management Plan: <ul style="list-style-type: none"> In-person MBS-rebated items: 721 or 229 Telehealth MBS-rebated items: 92024, 92068, 92055, or 92099
Measure type	Percentage
Numerator	<p>Calculation A: Number of [Disaggregation: Gender] Indigenous regular clients aged [Disaggregation: Age] who have Type 2 diabetes and for whom an in-person MBS-rebated Chronic Disease Management Plan (MBS items: 721 or 229) was prepared within the previous 24 months.</p> <p>Calculation B: Number of [Disaggregation: Gender] Indigenous regular clients aged [Disaggregation: Age] who have Type 2 diabetes and for whom a Telehealth MBS-rebated Chronic Disease Management Plan (MBS items: 92024, 92068, 92055, or 92099) was prepared within the previous 24 months</p>
Denominator	Calculation A and B: Total number of [Disaggregation: Gender] Indigenous regular clients aged [Disaggregation: Age] who have Type 2 diabetes
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> 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 <p>Gender:</p> <ul style="list-style-type: none"> Male Female <p>Type of Chronic Disease Management Plan:</p> <ul style="list-style-type: none"> In-person MBS-rebated Chronic Disease Management Plan Telehealth MBS-rebated Chronic Disease Management Plan
Disaggregation points	Thirty-two (32) measures are derived from this assessment
Measure Code/s	NKPI-07001 to 07032
Counting rules	<p>Count is of people, not plans</p> <p>Consider only the most recent plan</p>
Notes	<p>‘Type 2 diabetes’ – specifically excludes Type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance</p> <p>This indicator is likely to be further revised for the June 2021 collection period to include:</p> <ul style="list-style-type: none"> equivalent Chronic Disease Management Plans other chronic diseases

	A 'total' Chronic Disease Management Plan category will be calculated for national reporting purposes based on submitted data but is not required to be collected/submitted by organisations
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/731846

NKPI – PI09: Smoking status recorded	
Full name	PI09: Proportion of Indigenous regular clients whose smoking status was recorded
Description	Proportion of regular clients who are Indigenous, aged 11 and over and whose smoking status has been recorded at the primary health care service within the previous 24 months
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] whose smoking status has been recorded
Denominator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age]
Disaggregation	Age: <ul style="list-style-type: none"> - 11–14 years - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and older Gender: <ul style="list-style-type: none"> - Male - Female
Disaggregation points	Fourteen (14) measures are derived from this assessment
Measure Code/s	NKPI-09001 to 09012, NKPI-09041, NKPI-09051
Counting rules	<ul style="list-style-type: none"> • Where the smoking status does not have an assessment date assigned within the Clinical Information System (CIS), smoking status recorded in the CIS 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
Notes	Nil
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

NKPI – PI10: Smoking status	
Full name	PI10: Proportion of Indigenous regular clients whose smoking status result was within specified categories
Description	Proportion of regular clients who are Indigenous, aged 11 and over and whose smoking status has been recorded within the previous 24 months as one of the following: <ul style="list-style-type: none"> • current smoker • ex-smoker or • never smoked
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] whose most recent smoking status has been recorded as [Disaggregation: Smoking Status]
Denominator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] whose smoking status has been recorded
Disaggregation	Age: <ul style="list-style-type: none"> - 11–14 years - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and older Gender: <ul style="list-style-type: none"> - Male - Female Smoking Status: <ul style="list-style-type: none"> - current smoker - ex-smoker - never smoked
Disaggregation points	Forty-two (42) measures are derived from this assessment
Measure Code/s	NKPI-10001 to 10036, NKPI-10041 to 10043, NKPI-10051 to 10053
Counting rules	<ul style="list-style-type: none"> • Where the smoking status does not have an assessment date assigned within the Clinical Information System (CIS), smoking status recorded in the CIS 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
Notes	Nil
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

NKPI – PI11: Smoking status of female Indigenous regular clients who gave birth within the previous 12 months

Full name	PI11: Proportion of female Indigenous regular clients who gave birth within the previous 12 months whose smoking status result was within specified categories
Description	Proportion of female regular clients who are Indigenous, who gave birth within the previous 12 months and whose smoking status was recorded during pregnancy as one of the following: <ul style="list-style-type: none"> • current smoker • ex-smoker or • never smoked
Measure type	Percentage
Numerator	The number of female clients aged [Disaggregation: Age] who gave birth within the previous 12 months, and whose most recent smoking status has been recorded as [Disaggregation: Smoking Status]
Denominator	The number of female clients aged [Disaggregation: Age] who gave birth within the previous 12 months, and whose smoking status has been recorded
Disaggregation	Age: <ul style="list-style-type: none"> - less than 20 years - 20–34 years - 35 years and older Smoking Status: <ul style="list-style-type: none"> - current smoker - ex-smoker - never smoked
Disaggregation points	Nine (9) measures are derived from this assessment
Measure Code/s	NKPI-11004, NKPI-11008, NKPI-11012, NKPI-11021 to 11026
Counting rules	<ul style="list-style-type: none"> • 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
Notes	Nil
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

NKPI – P112: Body mass index of clients

Full name	PI12: Proportion of Indigenous regular clients who have a Body Mass Index (BMI) result within specified categories.										
Description	<p>Proportion of regular clients who are Indigenous, aged 18 and over who have had their body mass index (BMI) classified as:</p> <ul style="list-style-type: none"> • underweight (<18.50) • normal weight (≥ 18.50 but <25) • overweight (≥ 25 but <30) • obese (≥ 30) • not calculated <p>within the previous 24 months.</p>										
Measure type	Percentage										
Numerator	The number of indigenous regular [Disaggregation: Gender] clients aged [Disaggregation: Age] who have had their BMI classified as [Disaggregation: BMI classification] within the previous 24 months										
Denominator	The number of indigenous regular [Disaggregation: Gender] clients aged [Disaggregation: Age]										
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - 18–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and older <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female <p>BMI classification*:</p> <table border="1"> <tr> <td>bmi-1</td> <td>overweight (≥ 25.00 but <30)</td> </tr> <tr> <td>bmi-2</td> <td>obese (≥ 30)</td> </tr> <tr> <td>bmi-4</td> <td>normal weight (≥ 18.50 but <25)</td> </tr> <tr> <td>bmi-5</td> <td>underweight (<18.50)</td> </tr> <tr> <td>bmi-6</td> <td>not calculated</td> </tr> </table> <p>*Note. 'bmi-3' is not currently in use. Refer to Results Codes in Appendix for more information.</p>	bmi-1	overweight (≥ 25.00 but <30)	bmi-2	obese (≥ 30)	bmi-4	normal weight (≥ 18.50 but <25)	bmi-5	underweight (<18.50)	bmi-6	not calculated
bmi-1	overweight (≥ 25.00 but <30)										
bmi-2	obese (≥ 30)										
bmi-4	normal weight (≥ 18.50 but <25)										
bmi-5	underweight (<18.50)										
bmi-6	not calculated										
Disaggregation points	Sixty (60) measures are derived from this assessment										
Measure Code/s	NKPI-12021 to 12080										
Counting rules	Counts clients who recorded 3 or more visits in the previous 2 years, whose BMI was classified using a weight measurement taken within the previous 24 months and a height measurement taken since the client turned 18.										
Notes	<p>'Constituent Elements of a BMI' – weight in kilograms, recorded within the previous 24 months; height in meters, recorded since the client turned 18 years of age.</p> <p>'Body Mass Index (BMI)' – is a measure of an adult's weight (body mass) relative to height used to assess the extent of weight deficit or excess where height and weight have been measured. BMI is the weight in kilograms divided by the square of the height in metres (WHO 2000)</p>										

	If a client had their BMI recorded more than once in the previous 24 months, include only the most recently recorded result
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

NKPI – PI13: First Antenatal Visit	
Full name	PI13: Proportion of female Indigenous regular clients who gave birth within the previous 12 months who had their first antenatal care visit within specified periods
Description	<p>Proportion of regular clients who are Indigenous, who gave birth within the previous 12 months, and who:</p> <ul style="list-style-type: none"> • had gestational age recorded at their first antenatal care visit with results less than 11/40 weeks; • had gestational age recorded at their first antenatal care visit with results at or after 11/40 weeks and less than 14/40 weeks; • had gestational age recorded at their first antenatal care visit with results at or after 14/40 weeks and less than 20/40 weeks • had gestational age recorded at their first antenatal care visit with results at or after 20/40 weeks; • did not have gestational age recorded at their first antenatal care visit or; • did not attend an antenatal care visit
Measure type	Percentage
Numerator	The number of female clients aged [Disaggregation: Age] who gave birth within the previous 12 months, who had gestational age recorded at their first antenatal care visit with results [Disaggregation: Gestational age] , or who had no antenatal visit recorded
Denominator	The number of female clients aged [Disaggregation: Age] who gave birth within the previous 12 months
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - less than 20 years - 20–34 years - 35 years and older <p>Gestational age:</p> <ul style="list-style-type: none"> - ga-1 - ga-2 - ga-3 - ga-4 - ga-5 - ga-6
Disaggregation points	Eighteen (18) measures are derived from this assessment
Measure Code/s	NKPI-13007 to 13015, NKPI-13021 to 13029
Counting rules	Nil
Notes	'Birth' includes live births, and still births if the birthweight was at least 400 grams or the gestational age was 20 weeks or more.
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

NKPI – P114: Clients who are immunised against influenza	
Full name	PI14: Proportion of Indigenous regular clients aged 6 months and over who are immunised against influenza
Description	Proportion of Indigenous regular clients aged 6 months and over who are immunised against influenza
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] regular clients aged [Disaggregation: Age] who are immunised against influenza
Denominator	The number of [Disaggregation: Gender] regular clients aged [Disaggregation: Age]
Disaggregation	Gender: <ul style="list-style-type: none"> - Male - Female Age: <ul style="list-style-type: none"> - 6 months–4 years - 5–14 years - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and older
Disaggregation points	Sixteen (16) measures are derived from this assessment
Measure Code/s	NKPI-14010 to 14017, NKPI-14020 to 14027
Counting rules	Nil
Notes	An Indigenous person aged 6 months and over is immunised against influenza if they have received an influenza vaccine within the previous year
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/731856

NKPI – P116: Alcohol consumption recorded	
Full name	PI16: Proportion of regular clients whose alcohol consumption status has been recorded
Description	Proportion of regular clients who are Indigenous, aged 15 and over and who have had their alcohol consumption status recorded at the primary health care service within the previous 24 months
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] who have had their alcohol consumption status recorded within the previous 24 months
Denominator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age]
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and older <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female
Disaggregation points	Twelve (12) measures are derived from this assessment
Measure Code/s	NKPI-16001 to 16012
Counting rules	Nil
Notes	'Alcohol consumption status' – is considered recorded where the service has either a record of whether the client consumes alcohol, OR a record specifying the amount AND frequency of the client's alcohol consumption
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/739405

NKPI – P117: AUDIT-C result	
Full name	PI17: Proportion of regular clients who had an AUDIT-C with result within specified levels
Description	Proportion of clients who have had an AUDIT-C result recorded within the previous 24 months with a score of: <ul style="list-style-type: none"> greater than or equal to 4 in males and 3 in females or less than 4 in males and 3 in females
Measure type	Percentage
Numerator	<p>Calculation A:</p> <p>The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] who have had an AUDIT-C result recorded within the previous 24 months, whose most recent AUDIT-C result was [Disaggregation: Result]</p> <p>Calculation B:</p> <p>The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] who have had an AUDIT-C result recorded within the previous 24 months, whose most recent AUDIT-C result was [Disaggregation: Result]</p>
Denominator	<p>Calculation A:</p> <p>The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] who have had an AUDIT-C result recorded within the previous 24 months</p> <p>Calculation B:</p> <p>The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] who have had an AUDIT-C result recorded within the previous 24 months</p>
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> 15–24 years 25–34 years 35–44 years 45–54 years 55–64 years 65 years and older <p>Gender:</p> <p>Calculation A only</p> <ul style="list-style-type: none"> Male <p>Calculation B only</p> <ul style="list-style-type: none"> Female <p>Result:</p> <p>Calculation A only</p> <ul style="list-style-type: none"> ac-1 ac-2 <p>Calculation B only</p> <ul style="list-style-type: none"> ac-3 ac-4
Disaggregation points	Twenty-four (24) measures are derived from this assessment
Measure Code/s	NKPI-17001 to 17024
Counting rules	Nil
Notes	'AUDIT-C' – is a three-item alcohol screen (modified version of the 10 question AUDIT instrument) that can help identify persons who are hazardous drinkers or have active alcohol use disorders (including alcohol abuse or dependence)

Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/739426

NKPI – P118: Kidney Function Testing	
Full name	PI18: Proportion of Indigenous regular clients with a selected chronic disease who have a kidney function test result recorded
Description	<p>Proportion of regular clients who are Indigenous, who are recorded as having</p> <ul style="list-style-type: none"> - Type 2 diabetes OR - Cardiovascular disease (CVD) OR - Type 2 diabetes and/or CVD <p>AND who have had either:</p> <ul style="list-style-type: none"> - an estimated glomerular filtration rate (eGFR) AND an albumin/creatinine ratio (ACR) test result recorded - only an eGFR test result recorded - only an ACR test result recorded - neither an eGFR NOR an ACR test result recorded <p>within the previous 12 months.</p>
Measure type	Percentage
Numerator	The number of Indigenous regular [Disaggregation: Gender] clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] who have had [Disaggregation: Tests] recorded within the previous 12 months
Denominator	The number of Indigenous regular [Disaggregation: Gender] clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age]
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - 0–14 years - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and older <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female <p>Chronic disease:</p> <ul style="list-style-type: none"> - Type 2 diabetes - Cardiovascular disease - Either or both of the above <p>Test:</p> <ul style="list-style-type: none"> - an eGFR only - an ACR only - both an eGFR and an ACR - neither an eGFR nor an ACR
Disaggregation points	One hundred and sixty-eight (168) measures are derived from this assessment
Measure Code/s	NKPI-18001-18018, 18025-18042, 18051-18182
Counting rules	Nil

Notes	<p>'Type 2 diabetes' – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance</p> <p>'ACR' – refers to an albumin/creatinine ratio</p> <p>'an eGFR only' – a recorded eGFR result, where an ACR result HAS NOT been recorded</p> <p>'an ACR only' – a recorded ACR result, where an eGFR result HAS NOT been recorded</p> <p>'both an eGFR and an ACR' – a recorded eGFR result AND a recorded ACR result</p> <p>'neither an eGFR NOR an ACR' – an eGFR result AND an ACR result HAS NOT been recorded</p>
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

NKPI – PI19: Kidney function test result

Full name	PI19: Proportion of Indigenous regular clients with a selected chronic disease who have had a kidney function result (eGFR and ACR) within specified categories.								
Description	<p>Proportion of regular clients who are Indigenous with:</p> <ul style="list-style-type: none"> - type 2 diabetes, OR - cardiovascular disease, OR - type 2 diabetes and/or CVD <p>whose estimated glomerular filtration rate (eGFR) AND albumin/creatinine ratio (ACR) recorded within the previous 12 months were categorised as:</p> <ul style="list-style-type: none"> - normal risk - low risk - moderate risk - high risk - severe risk - indeterminate risk <p>Note: Some risk groups have more than one result classification (See <i>description of risk categories</i> table below).</p> <table border="1"> <thead> <tr> <th colspan="2">Description of risk categories</th> </tr> </thead> <tbody> <tr> <td>Normal risk</td> <td> eGFR greater than or equal to 60 mL/min/1.73m² AND: <ul style="list-style-type: none"> - ACR less than 3.5 mg/mmol for females OR <ul style="list-style-type: none"> - ACR less than 2.5 mg/mmol for males. </td> </tr> <tr> <td>Low risk</td> <td> eGFR greater than or equal to 45 mL/min/1.73m² and less than 60 mL/min/1.73m² AND <ul style="list-style-type: none"> - ACR less than 3.5 mg/mmol for females OR <ul style="list-style-type: none"> - ACR less than 2.5 mg/mmol for males OR eGFR greater than or equal to 60 mL/min/1.73m² AND <ul style="list-style-type: none"> - ACR greater than or equal to 3.5 mg/mmol and less than or equal to 35 mg/mmol for females OR <ul style="list-style-type: none"> - ACR greater than or equal to 2.5 mg/mmol and less than or equal to 25 mg/mmol for males. </td> </tr> <tr> <td>Moderate risk</td> <td> eGFR greater than or equal to 45 mL/min/1.73m² and less than 60 mL/min/1.73m² AND <ul style="list-style-type: none"> - ACR greater than or equal to 3.5 mg/mmol and less than or equal to 35 mg/mmol for females OR <ul style="list-style-type: none"> - ACR greater than or equal to 2.5 mg/mmol and less than or equal to 25 mg/mmol for males. OR eGFR greater than or equal to 60 mL/min/1.73m² AND </td> </tr> </tbody> </table>	Description of risk categories		Normal risk	eGFR greater than or equal to 60 mL/min/1.73m ² AND: <ul style="list-style-type: none"> - ACR less than 3.5 mg/mmol for females OR <ul style="list-style-type: none"> - ACR less than 2.5 mg/mmol for males. 	Low risk	eGFR greater than or equal to 45 mL/min/1.73m ² and less than 60 mL/min/1.73m ² AND <ul style="list-style-type: none"> - ACR less than 3.5 mg/mmol for females OR <ul style="list-style-type: none"> - ACR less than 2.5 mg/mmol for males OR eGFR greater than or equal to 60 mL/min/1.73m ² AND <ul style="list-style-type: none"> - ACR greater than or equal to 3.5 mg/mmol and less than or equal to 35 mg/mmol for females OR <ul style="list-style-type: none"> - ACR greater than or equal to 2.5 mg/mmol and less than or equal to 25 mg/mmol for males. 	Moderate risk	eGFR greater than or equal to 45 mL/min/1.73m ² and less than 60 mL/min/1.73m ² AND <ul style="list-style-type: none"> - ACR greater than or equal to 3.5 mg/mmol and less than or equal to 35 mg/mmol for females OR <ul style="list-style-type: none"> - ACR greater than or equal to 2.5 mg/mmol and less than or equal to 25 mg/mmol for males. OR eGFR greater than or equal to 60 mL/min/1.73m ² AND
Description of risk categories									
Normal risk	eGFR greater than or equal to 60 mL/min/1.73m ² AND: <ul style="list-style-type: none"> - ACR less than 3.5 mg/mmol for females OR <ul style="list-style-type: none"> - ACR less than 2.5 mg/mmol for males. 								
Low risk	eGFR greater than or equal to 45 mL/min/1.73m ² and less than 60 mL/min/1.73m ² AND <ul style="list-style-type: none"> - ACR less than 3.5 mg/mmol for females OR <ul style="list-style-type: none"> - ACR less than 2.5 mg/mmol for males OR eGFR greater than or equal to 60 mL/min/1.73m ² AND <ul style="list-style-type: none"> - ACR greater than or equal to 3.5 mg/mmol and less than or equal to 35 mg/mmol for females OR <ul style="list-style-type: none"> - ACR greater than or equal to 2.5 mg/mmol and less than or equal to 25 mg/mmol for males. 								
Moderate risk	eGFR greater than or equal to 45 mL/min/1.73m ² and less than 60 mL/min/1.73m ² AND <ul style="list-style-type: none"> - ACR greater than or equal to 3.5 mg/mmol and less than or equal to 35 mg/mmol for females OR <ul style="list-style-type: none"> - ACR greater than or equal to 2.5 mg/mmol and less than or equal to 25 mg/mmol for males. OR eGFR greater than or equal to 60 mL/min/1.73m ² AND								

		<ul style="list-style-type: none"> - ACR greater than 35 mg/mmol and less than or equal to 300 mg/mmol for females OR - ACR greater than 25 mg/mmol and less than or equal to 300 mg/mmol for males.
	High risk	<p>eGFR greater than or equal to 15 mL/min/1.73m² and less than 45 mL/min/1.73m² AND ACR less than or equal to 300 mg/mmol</p> <p>OR</p> <p>eGFR greater than or equal to 45 mL/min/1.73m² and less than 60 mL/min/1.73m² AND</p> <ul style="list-style-type: none"> - ACR greater than 35 mg/mmol and less than or equal to 300 mg/mmol for females - ACR greater than 25 mg/mmol less than or equal to 300 mg/mmol for males.
	Severe risk	eGFR less than 15 mL/min/1.73m ² AND/OR ACR greater than 300
	Indeterminate risk	Indeterminate eGFR and/or ACR result that does not allow risk to be calculated
Measure type	Percentage	
Numerator	<p>Calculation A (males)</p> <p>The number of [Disaggregation: Gender] Indigenous regular clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] whose most recent eGFR and ACR results, recorded within the previous 12 months, were [Disaggregation: Results]</p> <p>Calculation B (females)</p> <p>The number of [Disaggregation: Gender] Indigenous regular clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] whose most recent eGFR and ACR results, recorded within the previous 12 months, were [Disaggregation: Results]</p>	
Denominator	<p>Calculation A (males)</p> <p>The number of [Disaggregation: Gender] Indigenous regular clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] who had both and eGFR and ACR result recorded within the previous 12 months</p> <p>Calculation B (females)</p> <p>The number of [Disaggregation: Gender] Indigenous regular clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] who had both and eGFR and ACR result recorded within the previous 12 months</p>	
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - 0–14 years - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years 	

	<ul style="list-style-type: none"> - 65 years and older <p>Gender:</p> <ul style="list-style-type: none"> Calculation A only <ul style="list-style-type: none"> - Male Calculation B only <ul style="list-style-type: none"> - Female <p>Chronic disease:</p> <ul style="list-style-type: none"> - Type 2 diabetes - Cardiovascular disease - Type 2 diabetes and/or CVD <p>Result:</p> <table border="1"> <thead> <tr> <th>Renal function test result</th> <th>Range</th> <th>Calculation</th> </tr> </thead> <tbody> <tr> <td>rfr-1</td> <td>eGFR \geq60 and ACR $<$2.5</td> <td>A</td> </tr> <tr> <td>rfr-2</td> <td>eGFR \geq60 and ACR $<$3.5</td> <td>B</td> </tr> <tr> <td>rfr-3</td> <td>eGFR \geq45 but $<$60 and ACR $<$2.5 OR, eGFR \geq60 and ACR \geq2.5 but \leq25</td> <td>A</td> </tr> <tr> <td>rfr-4</td> <td>eGFR \geq45 but $<$60 and ACR $<$3.5 OR, eGFR \geq60 and ACR \geq3.5 but \leq35</td> <td>B</td> </tr> <tr> <td>rfr-5</td> <td>eGFR \geq45 but $<$60 and ACR \geq2.5 but \leq25 OR, eGFR \geq60 and ACR $>$25 but \leq300</td> <td>A</td> </tr> <tr> <td>rfr-6</td> <td>eGFR \geq45 but $<$60 and ACR \geq3.5 but \leq35 OR, eGFR \geq60 and ACR $>$35 but \leq300</td> <td>B</td> </tr> <tr> <td>rfr-7</td> <td>eGFR \geq15 but $<$45 and ACR \leq300 OR, eGFR \geq45 but $<$60 and ACR $>$25 but \leq300</td> <td>A</td> </tr> <tr> <td>rfr-8</td> <td>eGFR \geq15 but $<$45 and ACR \leq300 OR, eGFR \geq45 but $<$60 and ACR $>$35 but \leq300</td> <td>B</td> </tr> <tr> <td>rfr-9</td> <td>eGFR $<$15 and/or ACR $>$300</td> <td>A and B</td> </tr> <tr> <td>rfr-10</td> <td>eGFR and/or ACR result that does not allow risk to be calculated</td> <td>A and B</td> </tr> </tbody> </table>	Renal function test result	Range	Calculation	rfr-1	eGFR \geq 60 and ACR $<$ 2.5	A	rfr-2	eGFR \geq 60 and ACR $<$ 3.5	B	rfr-3	eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but \leq 25	A	rfr-4	eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35	B	rfr-5	eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300	A	rfr-6	eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR, eGFR \geq 60 and ACR $>$ 35 but \leq 300	B	rfr-7	eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300	A	rfr-8	eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300	B	rfr-9	eGFR $<$ 15 and/or ACR $>$ 300	A and B	rfr-10	eGFR and/or ACR result that does not allow risk to be calculated	A and B
Renal function test result	Range	Calculation																																
rfr-1	eGFR \geq 60 and ACR $<$ 2.5	A																																
rfr-2	eGFR \geq 60 and ACR $<$ 3.5	B																																
rfr-3	eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but \leq 25	A																																
rfr-4	eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35	B																																
rfr-5	eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300	A																																
rfr-6	eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR, eGFR \geq 60 and ACR $>$ 35 but \leq 300	B																																
rfr-7	eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300	A																																
rfr-8	eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300	B																																
rfr-9	eGFR $<$ 15 and/or ACR $>$ 300	A and B																																
rfr-10	eGFR and/or ACR result that does not allow risk to be calculated	A and B																																
Disaggregation points	Two-hundred and fifty-two (252) measures are derived from this assessment																																	
Measure Code/s	NKPI-19181 to 19432																																	
Counting rules	Consider only the most recent eGFR and ACR tests																																	
Notes	'Type 2 diabetes' – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance																																	

	'ACR' – refers to an albumin/creatinine ratio
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR	To be advised

NKPI – PI20: CVD risk assessment factors	
Full name	PI20: Proportion of regular clients who have had the necessary risk factors assessed to enable cardiovascular disease (CVD) assessment
Description	- Proportion of Indigenous regular clients with no known cardiovascular disease (CVD), assessed aged 35 to 74, with information available to calculate their absolute CVD risk
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] that are not coded with a diagnosis matching the CVD definition who have had the following information recorded: <ul style="list-style-type: none"> • smoking status, AND • systolic blood pressure result recorded within the previous 24 months, AND • total cholesterol result recorded within the previous 24 months, AND High Density Lipoprotein (HDL) cholesterol result recorded within the previous 24 months
Denominator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] that are not coded with a diagnosis matching the CVD definition
Disaggregation	Age: <ul style="list-style-type: none"> - 35-44 years - 45–54 years - 55–64 years - 65–74 years Gender: <ul style="list-style-type: none"> - Male - Female Known high absolute risk
Disaggregation points	Eight (8) measures are derived from this assessment
Measure Code/s	NKPI-20001 to 20008
Counting rules	Nil
Notes	Nil
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/739465

NKPI – PI21: CVD risk assessment result	
Full name	PI21: Proportion of regular clients aged 35 to 74 years who have had an absolute cardiovascular disease (CVD) risk assessment with results within specified levels
Description	<p>Proportion of Indigenous regular clients, aged 35 to 74 and with no known history of cardiovascular disease (CVD), who have had an absolute CVD risk assessment recorded within the previous 24 months and whose CVD risk was categorised as one of the following:</p> <ul style="list-style-type: none"> • 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)
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] that are not coded with a diagnosis matching the CVD definition, who have had an absolute CVD risk assessment result recorded within the previous 24 months, whose most recent absolute CVD risk assessment result was categorised as [Disaggregation: Result]
Denominator	The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] that are not coded with a diagnosis matching the CVD definition, who have had an absolute CVD risk assessment result recorded within the previous 24 months
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - 35–44 years - 45–54 years - 55–64 years - 65–74 years <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female <p>Result:</p> <ul style="list-style-type: none"> - ar-1 - ar-2 - ar-3
Disaggregation points	Twenty-four (24) measures are derived from this assessment
Measure Code/s	NKPI-21001 to 21024
Counting rules	Nil
Notes	'Absolute CVD risk assessment' – refers to a risk assessment performed with the National Vascular Disease Prevention Alliance (NVDPA) absolute cardiovascular disease risk calculator. Where the Central Australian Rural Practitioners Association (CARPA) CVD risk assessment calculator is used, 5% is to be deducted from the reported result

Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/739470

NKPI – PI22: Female clients who have had a cervical screening (HPV) test	
Full name	PI22: Proportion of female Indigenous regular clients who have had a cervical screening (HPV) test
Description	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 where the test occurred on or after 1 December 2017
Measure type	Percentage
Numerator	Number of female Indigenous regular clients aged 25–74 who have not had a hysterectomy and who have had a cervical screening (HPV) test within the previous 5 years where the test occurred on or after 1 December 2017
Denominator	Number of female Indigenous regular clients aged 25–74 who have not had a hysterectomy
Disaggregation	Age: <ul style="list-style-type: none"> - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65–74 years
Disaggregation points	Five (5) measures are derived from this assessment
Measure Code/s	NKPI-22016 to 22019, NKPI-22024
Counting rules	Count is of women, not tests
Notes	Include HPV tests where the sample is either collected by a health practitioner or self-collected
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/731863

NKPI – PI23: Blood Pressure recorded	
Full name	PI23: Proportion of regular clients with Type 2 diabetes who have had a blood pressure measurement result recorded
Description	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
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients with Type 2 diabetes aged [Disaggregation: Age] who have had blood pressure test result recorded within the previous 6 months
Denominator	The number of [Disaggregation: Gender] clients with Type 2 diabetes aged [Disaggregation: Age]
Disaggregation	Age: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - Male - Female
Disaggregation points	Sixteen (16) measures are derived from this assessment
Measure Code/s	NKPI-23001 to 23016
Counting rules	Nil
Notes	'Type 2 diabetes' – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/739478

NKPI – PI24: Blood Pressure result	
Full name	PI24: Proportion of Indigenous regular clients with Type 2 diabetes whose blood pressure measurement result was within specified categories
Description	Proportion of regular clients who are Indigenous, have Type 2 diabetes and whose blood pressure measurement result, recorded within the previous 6 months, was less than or equal to 140/90 mmHg
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients with Type 2 diabetes aged [Disaggregation: Age] who have had blood pressure test result recorded within the previous 6 months, whose most recent result was 140/90 mmHg
Denominator	The number of [Disaggregation: Gender] clients with Type 2 diabetes aged [Disaggregation: Age] who have had blood pressure test result recorded within the previous 6 months
Disaggregation	Age: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - Male - Female
Disaggregation points	Sixteen (16) measures are derived from this assessment
Measure Code/s	NKPI-24001 to 24016
Counting rules	Nil
Notes	‘Type 2 diabetes’ – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance ‘Less than or equal to 140/90 mmHg’ – the client 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)
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	To be advised

3.2 Online Services Report

The Online Services Report (OSR), refers to the annual report all Australian Government funded Indigenous health services are required to submit to the Department of Health.

The OSR collects information on the services organisations provide, client numbers, client contacts, episodes of care and staffing levels. Contextual information about each organisation is also collected.

Most of the questions in the OSR require manual data entry (through an online data collection instrument) however some measures related to client numbers, client contacts or episodes of care can be electronically extracted directly from the organisation's CIS. This document includes only those measures which are currently mandatory, and which can be extracted from the CIS.

The population of interest for the OSR is the total client population of the reporting service, regardless of Indigenous status. Activity measures report activity recorded in the last 12 months (unless otherwise specified). All measures reporting client activity are disaggregated by Indigenous status (labelled 'Ethnicity' in the OSR report).

OSR – CS1a – Episodes of care	
Full name	CS1a – Episodes of care
Description	Number of episodes of care provided within the previous 12 months
Measure type	Count
Numerator	The number of episodes of care provided within the previous 12 months to [Disaggregation: Ethnicity] [Disaggregation: Gender] clients
Denominator	N/A
Disaggregation	Ethnicity: <ul style="list-style-type: none"> - Aboriginal and Torres Strait Islander - Non-Aboriginal and Torres Strait Islander - Aboriginal and Torres Strait Islander status not recorded Gender: <ul style="list-style-type: none"> - Male - Female - Other or not stated
Disaggregation points	Nine (9) measures are derived from this assessment
Measure codes	OSR-CS1a-0001 to 0009
Counting rules	Nil
Notes	Nil
Definition owner	Indigenous Health Division, Australian Government Department of Health (Clinical Services module)

OSR – CS2 – Client contacts (general staff)

Full name	CS2 – Client contacts (general)
Description	<p>Number of client contacts provided by:</p> <ul style="list-style-type: none"> • Aboriginal and Torres Strait Islander health worker • Aboriginal and Torres Strait Islander health practitioner • Doctor – General practitioner • Nurse • Midwife • Substance misuse / drug and alcohol worker • Tobacco worker / co-ordinator • Dentists / dental therapist • Dental support (eg, dental assistant / dental technician) • Sexual health worker • Traditional healer • Other health / clinical staff • Transport – health professionals who do not work for the service • Transport – health professionals who work for the service <p>within the previous 12 months</p>
Measure type	Count
Numerator	The number of contacts provided by [Disaggregation: Worker type] within the previous 12 months to [Disaggregation: Ethnicity] [Disaggregation: Gender] clients
Denominator	N/A
Disaggregation	<p>Worker type:</p> <ul style="list-style-type: none"> - Aboriginal and Torres Strait Islander health worker - Aboriginal and Torres Strait Islander health practitioner - Doctor – General practitioner - Nurse - Midwife - Substance misuse / drug and alcohol worker - Tobacco worker / co-ordinator - Dentists / dental therapists - Dental support (eg, dental assistant / dental technician) - Sexual health worker - Traditional healer - Other health / clinical staff - Transport (health professionals who do not work for the service) - Transport (health professionals who work for the service) <p>Ethnicity:</p> <ul style="list-style-type: none"> - Aboriginal and Torres Strait Islander - Non-Aboriginal and Torres Strait Islander - Aboriginal and Torres Strait Islander status not recorded <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female - Other or not stated
Disaggregation points	One hundred and twenty-six (126) measures are derived from this assessment

Measure codes	OSR-CS2-0001 to 0126
Counting rules	Nil
Notes	Nil
Definition owner	Indigenous Health Division, Australian Government Department of Health (Clinical Services module)

OSR – CS2 – Client contacts (medical specialists)	
Full name	CS2 – Client contacts (medical specialists)
Description	<p>Number of client contacts provided by:</p> <ul style="list-style-type: none"> • Paediatrician • Endocrinologist • Ophthalmologist • Obstetrician / Gynaecologist • Ear, nose and throat specialist • Cardiologist • Renal medicine specialist • Psychiatrist / Psychiatric registrar • Dermatologist • Surgeon • Specialist other or not specified <p>within the previous 12 months</p>
Measure type	Count
Numerator	The number of contacts provided by [Disaggregation: Worker type] within the previous 12 months to [Disaggregation: Ethnicity] [Disaggregation: Gender] clients
Denominator	N/A
Disaggregation	<p>Worker type:</p> <ul style="list-style-type: none"> - Paediatrician - Endocrinologist - Ophthalmologist - Obstetrician / Gynaecologist - Ear, nose and throat specialist - Cardiologist - Renal medicine specialist - Psychiatrist / Psychiatric registrar - Dermatologist - Surgeon - Specialist other or not specified <p>Ethnicity:</p> <ul style="list-style-type: none"> - Aboriginal and Torres Strait Islander - Non-Aboriginal and Torres Strait Islander - Aboriginal and Torres Strait Islander status not recorded <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female - Other or not stated
Disaggregation points	Ninety-nine (99) measures are derived from this assessment
Measure codes	OSR-CS12-0127 to 0225
Counting rules	Nil
Notes	Nil
Definition owner	Indigenous Health Division, Australian Government Department of Health (Clinical Services module)

OSR – CS2 – Client contacts (social and emotional wellbeing / counsellors)

Full name	CS2 – Client contacts (social and emotional wellbeing / counsellors)
Description	<p>Number of client contacts provided by:</p> <ul style="list-style-type: none"> • Psychologist • Counsellor • Social worker • Welfare worker • Social and emotional wellbeing (SEWB) staff: Link Up caseworkers • SEWB staff other or not specified <p>within the previous 12 months</p>
Measure type	Count
Numerator	The number of contacts provided by [Disaggregation: Worker type] within the previous 12 months to [Disaggregation: Ethnicity] [Disaggregation: Gender] clients
Denominator	N/A
Disaggregation	<p>Worker type:</p> <ul style="list-style-type: none"> - Psychologist - Counsellor - Social worker - Welfare worker - SEWB staff: Link Up caseworker - SEWB staff other or not specified <p>Ethnicity:</p> <ul style="list-style-type: none"> - Aboriginal and Torres Strait Islander - Non-Aboriginal and Torres Strait Islander - Aboriginal and Torres Strait Islander status not recorded <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female - Other or not stated
Disaggregation points	Fifty-four (54) measures are derived from this assessment
Measure codes	OSR-CS2-0226 to 0279
Counting rules	Nil
Notes	Nil
Definition owner	Indigenous Health Division, Australian Government Department of Health (Clinical Services module)

OSR – CS2 – Client contacts (allied health professionals)

Full name	CS2 – Client contacts (allied health professionals)
Description	<p>Number of client contacts provided by:</p> <ul style="list-style-type: none"> • Audiologist / Audiometrist • Diabetes educator • Dietician • Optometrist • Pharmacist • Physiotherapist • Podiatrist • Speech pathologist • Allied health other or not specified <p>within the previous 12 months</p>
Measure type	Count
Numerator	The number of contacts provided by [Disaggregation: Worker type] within the previous 12 months to [Disaggregation: Ethnicity] [Disaggregation: Gender] clients
Denominator	N/A
Disaggregation	<p>Worker type:</p> <ul style="list-style-type: none"> - Audiologist / Audiometrist - Diabetes educator - Dietician - Optometrist - Pharmacist - Physiotherapist - Podiatrist - Speech pathologist - Allied health other or not specified <p>Ethnicity:</p> <ul style="list-style-type: none"> - Aboriginal and Torres Strait Islander - Non-Aboriginal and Torres Strait Islander - Aboriginal and Torres Strait Islander status not recorded <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female - Other or not stated
Disaggregation points	Eighty (80) measures are derived from this assessment
Measure codes	OSR-CS2-0280 to 0360
Counting rules	Counts client contacts.
Notes	Nil
Definition owner	Indigenous Health Division, Australian Government Department of Health (Clinical Services module)

OSR – CS3a – Individual clients seen	
Full name	CS3a – Individual clients seen
Description	Number of clients seen within the previous 12 months
Measure type	Count
Numerator	The number of [Disaggregation: Ethnicity] [Disaggregation: Age] [Disaggregation: Gender] clients seen within the previous 12 months
Denominator	N/A
Disaggregation	<p>Ethnicity:</p> <ul style="list-style-type: none"> - Aboriginal and/or Torres Strait Islander - Non-Aboriginal and Torres Strait Islander - Aboriginal and Torres Strait Islander status not recorded <p>Age:</p> <ul style="list-style-type: none"> - 0-4 years - 5-9 years - 10-14 years - 15-19 years - 20-24 years - 25-29 years - 30-34 years - 35-39 years - 40-44 years - 45-49 years - 50-54 years - 55-59 years - 60-64 years - 65 years and older <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female - Other or not stated
Disaggregation points	One hundred and twenty-six (126) measures are derived from this assessment
Measure codes	OSR-CS3a-0010 to 0135
Counting rules	Counts individual / unique clients
Notes	<ul style="list-style-type: none"> • ‘Seen’ – refers to having had a client contact. Each individual client is counted once only, no matter how many times they attended in the reference period. • Include visitors and transient patients
Definition owner	Indigenous Health Division, Australian Government Department of Health (Clinical Services module)

APPENDIX A – MEASURE CODE DISAGGREGATION

The following tables list nKPIs for which disaggregation options apply. A separate measure code is allocated to each combination of disaggregation values and these are used when reporting to the Health Data Portal. (Indicators without disaggregation options are not listed.)

Health Services funded under the Indigenous Australians' Health Programme (IAHP) are required to provide reporting data via the Health Data Portal for three data collections, namely:

- National Key Performance Indicators (six-monthly)
- Online Services Report (annually) and
- Health Care Provider reports (annually).

This document includes only those measures (from the nKPI and OSR reports) which can be reported directly from CISs.

For each measure, relevant information is provided in the tabular format below. Where disaggregation options are available, these are matched to measure codes in Appendix A Measure Code Disaggregation.

[indicator/measure set code] – [indicator short name]	
Full name	[indicator long name]
Description	[indicator description]
Measure type	[indicator measure type]
Numerator	[numerator calculation description]
Denominator	[denominator calculation description]
Disaggregation	[disaggregation group] [disaggregation options]
Disaggregation points	[total number of measures]
Measure codes	[measure codes]
Counting rules	[specific counting instructions]
Notes	[notes relating to the indicator]
Definition owner	[indicator owner] ([indicator source])
METeOR link	[hyperlink to related METeOR definition]

National Key Performance Indicators

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
PI02: Birthweights				
NKPI-02001	bw-1 (low)			
NKPI-02002	bw-2 (normal)			
NKPI-02003	bw-3 (high)			
PI03: Indigenous Health Assessment completed				
NKPI-03002	25-34 years	Male	In-person	
NKPI-03003	35-44 years	Male	In-person	
NKPI-03004	45-54 years	Male	In-person	
NKPI-03005	55-64 years	Male	In-person	
NKPI-03006	65 years and older	Male	In-person	
NKPI-03008	25-34 years	Female	In-person	
NKPI-03009	35-44 years	Female	In-person	
NKPI-03010	45-54 years	Female	In-person	
NKPI-03011	55-64 years	Female	In-person	
NKPI-03012	65 years and older	Female	In-person	
NKPI-03013	0-4 years	Male	In-person	
NKPI-03014	0-4 years	Male	Telehealth	
NKPI-03015	5-14 years	Male	In-person	
NKPI-03016	5-14 years	Male	Telehealth	
NKPI-03017	0-4 years	Female	In-person	
NKPI-03018	0-4 years	Female	Telehealth	
NKPI-03019	5-14 years	Female	In-person	
NKPI-03020	5-14 years	Female	Telehealth	
NKPI-03021	15-24 years	Male	In-person	
NKPI-03022	15-24 years	Male	Telehealth	
NKPI-03023	25-34 years	Male	Telehealth	
NKPI-03024	35-44 years	Male	Telehealth	
NKPI-03025	45-54 years	Male	Telehealth	
NKPI-03026	55-64 years	Male	Telehealth	
NKPI-03027	65 years and older	Male	Telehealth	
NKPI-03028	15-24 years	Female	In-person	
NKPI-03029	15-24 years	Female	Telehealth	
NKPI-03030	25-34 years	Female	Telehealth	
NKPI-03031	35-44 years	Female	Telehealth	
NKPI-03032	45-54 years	Female	Telehealth	
NKPI-03033	55-64 years	Female	Telehealth	
NKPI-03034	65 years and older	Female	Telehealth	
PI04: Indigenous children who are fully immunised				
NKPI-04001	12 months to less than 24 months			
NKPI-04002	24 months to less than 36 months			
NKPI-04003	60 months to less than 72 months			
PI05: HbA1c recorded				
NKPI-05001	0-4 years	Male	6 months	
NKPI-05002	5-14 years	Male	6 months	
NKPI-05003	15-24 years	Male	6 months	
NKPI-05004	25-34 years	Male	6 months	
NKPI-05005	35-44 years	Male	6 months	
NKPI-05006	45-54 years	Male	6 months	
NKPI-05007	55-64 years	Male	6 months	
NKPI-05008	65 years and older	Male	6 months	
NKPI-05009	0-4 years	Female	6 months	
NKPI-05010	5-14 years	Female	6 months	
NKPI-05011	15-24 years	Female	6 months	
NKPI-05012	25-34 years	Female	6 months	
NKPI-05013	35-44 years	Female	6 months	
NKPI-05014	45-54 years	Female	6 months	
NKPI-05015	55-64 years	Female	6 months	
NKPI-05016	65 years and older	Female	6 months	
NKPI-05017	0-4 years	Male	12 months	
NKPI-05018	5-14 years	Male	12 months	
NKPI-05019	15-24 years	Male	12 months	
NKPI-05020	25-34 years	Male	12 months	
NKPI-05021	35-44 years	Male	12 months	

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-05022	45-54 years	Male	12 months	
NKPI-05023	55-64 years	Male	12 months	
NKPI-05024	65 years and older	Male	12 months	
NKPI-05025	0-4 years	Female	12 months	
NKPI-05026	5-14 years	Female	12 months	
NKPI-05027	15-24 years	Female	12 months	
NKPI-05028	25-34 years	Female	12 months	
NKPI-05029	35-44 years	Female	12 months	
NKPI-05030	45-54 years	Female	12 months	
NKPI-05031	55-64 years	Female	12 months	
NKPI-05032	65 years and older	Female	12 months	
PI06: HbA1c result				
NKPI-06001	0-4 years	Male	6 months	hr-1 (<=7%)
NKPI-06002	5-14 years	Male	6 months	hr-1 (<=7%)
NKPI-06003	15-24 years	Male	6 months	hr-1 (<=7%)
NKPI-06004	25-34 years	Male	6 months	hr-1 (<=7%)
NKPI-06005	35-44 years	Male	6 months	hr-1 (<=7%)
NKPI-06006	45-54 years	Male	6 months	hr-1 (<=7%)
NKPI-06007	55-64 years	Male	6 months	hr-1 (<=7%)
NKPI-06008	65 years and older	Male	6 months	hr-1 (<=7%)
NKPI-06009	0-4 years	Female	6 months	hr-1 (<=7%)
NKPI-06010	5-14 years	Female	6 months	hr-1 (<=7%)
NKPI-06011	15-24 years	Female	6 months	hr-1 (<=7%)
NKPI-06012	25-34 years	Female	6 months	hr-1 (<=7%)
NKPI-06013	35-44 years	Female	6 months	hr-1 (<=7%)
NKPI-06014	45-54 years	Female	6 months	hr-1 (<=7%)
NKPI-06015	55-64 years	Female	6 months	hr-1 (<=7%)
NKPI-06016	65 years and older	Female	6 months	hr-1 (<=7%)
NKPI-06017	0-4 years	Male	6 months	hr-2 (>7% but <=8%)
NKPI-06018	5-14 years	Male	6 months	hr-2 (>7% but <=8%)
NKPI-06019	15-24 years	Male	6 months	hr-2 (>7% but <=8%)
NKPI-06020	25-34 years	Male	6 months	hr-2 (>7% but <=8%)
NKPI-06021	35-44 years	Male	6 months	hr-2 (>7% but <=8%)
NKPI-06022	45-54 years	Male	6 months	hr-2 (>7% but <=8%)
NKPI-06023	55-64 years	Male	6 months	hr-2 (>7% but <=8%)
NKPI-06024	65 years and older	Male	6 months	hr-2 (>7% but <=8%)
NKPI-06025	0-4 years	Female	6 months	hr-2 (>7% but <=8%)
NKPI-06026	5-14 years	Female	6 months	hr-2 (>7% but <=8%)
NKPI-06027	15-24 years	Female	6 months	hr-2 (>7% but <=8%)
NKPI-06028	25-34 years	Female	6 months	hr-2 (>7% but <=8%)
NKPI-06029	35-44 years	Female	6 months	hr-2 (>7% but <=8%)
NKPI-06030	45-54 years	Female	6 months	hr-2 (>7% but <=8%)
NKPI-06031	55-64 years	Female	6 months	hr-2 (>7% but <=8%)
NKPI-06032	65 years and older	Female	6 months	hr-2 (>7% but <=8%)
NKPI-06033	0-4 years	Male	6 months	hr-3 (>8% but <10%)
NKPI-06034	5-14 years	Male	6 months	hr-3 (>8% but <10%)
NKPI-06035	15-24 years	Male	6 months	hr-3 (>8% but <10%)
NKPI-06036	25-34 years	Male	6 months	hr-3 (>8% but <10%)
NKPI-06037	35-44 years	Male	6 months	hr-3 (>8% but <10%)
NKPI-06038	45-54 years	Male	6 months	hr-3 (>8% but <10%)
NKPI-06039	55-64 years	Male	6 months	hr-3 (>8% but <10%)
NKPI-06040	65 years and older	Male	6 months	hr-3 (>8% but <10%)
NKPI-06041	0-4 years	Female	6 months	hr-3 (>8% but <10%)
NKPI-06042	5-14 years	Female	6 months	hr-3 (>8% but <10%)
NKPI-06043	15-24 years	Female	6 months	hr-3 (>8% but <10%)
NKPI-06044	25-34 years	Female	6 months	hr-3 (>8% but <10%)
NKPI-06045	35-44 years	Female	6 months	hr-3 (>8% but <10%)
NKPI-06046	45-54 years	Female	6 months	hr-3 (>8% but <10%)
NKPI-06047	55-64 years	Female	6 months	hr-3 (>8% but <10%)
NKPI-06048	65 years and older	Female	6 months	hr-3 (>8% but <10%)
NKPI-06049	0-4 years	Male	6 months	hr-4 (>=10%)
NKPI-06050	5-14 years	Male	6 months	hr-4 (>=10%)
NKPI-06051	15-24 years	Male	6 months	hr-4 (>=10%)
NKPI-06052	25-34 years	Male	6 months	hr-4 (>=10%)
NKPI-06053	35-44 years	Male	6 months	hr-4 (>=10%)
NKPI-06054	45-54 years	Male	6 months	hr-4 (>=10%)
NKPI-06055	55-64 years	Male	6 months	hr-4 (>=10%)
NKPI-06056	65 years and older	Male	6 months	hr-4 (>=10%)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-06057	0-4 years	Female	6 months	hr-4 (>=10%)
NKPI-06058	5-14 years	Female	6 months	hr-4 (>=10%)
NKPI-06059	15-24 years	Female	6 months	hr-4 (>=10%)
NKPI-06060	25-34 years	Female	6 months	hr-4 (>=10%)
NKPI-06061	35-44 years	Female	6 months	hr-4 (>=10%)
NKPI-06062	45-54 years	Female	6 months	hr-4 (>=10%)
NKPI-06063	55-64 years	Female	6 months	hr-4 (>=10%)
NKPI-06064	65 years and older	Female	6 months	hr-4 (>=10%)
NKPI-06065	0-4 years	Male	12 months	hr-1 (<=7%)
NKPI-06066	5-14 years	Male	12 months	hr-1 (<=7%)
NKPI-06067	15-24 years	Male	12 months	hr-1 (<=7%)
NKPI-06068	25-34 years	Male	12 months	hr-1 (<=7%)
NKPI-06069	35-44 years	Male	12 months	hr-1 (<=7%)
NKPI-06070	45-54 years	Male	12 months	hr-1 (<=7%)
NKPI-06071	55-64 years	Male	12 months	hr-1 (<=7%)
NKPI-06072	65 years and older	Male	12 months	hr-1 (<=7%)
NKPI-06073	0-4 years	Female	12 months	hr-1 (<=7%)
NKPI-06074	5-14 years	Female	12 months	hr-1 (<=7%)
NKPI-06075	15-24 years	Female	12 months	hr-1 (<=7%)
NKPI-06076	25-34 years	Female	12 months	hr-1 (<=7%)
NKPI-06077	35-44 years	Female	12 months	hr-1 (<=7%)
NKPI-06078	45-54 years	Female	12 months	hr-1 (<=7%)
NKPI-06079	55-64 years	Female	12 months	hr-1 (<=7%)
NKPI-06080	65 years and older	Female	12 months	hr-1 (<=7%)
NKPI-06081	0-4 years	Male	12 months	hr-2 (>7% but <=8%)
NKPI-06082	5-14 years	Male	12 months	hr-2 (>7% but <=8%)
NKPI-06083	15-24 years	Male	12 months	hr-2 (>7% but <=8%)
NKPI-06084	25-34 years	Male	12 months	hr-2 (>7% but <=8%)
NKPI-06085	35-44 years	Male	12 months	hr-2 (>7% but <=8%)
NKPI-06086	45-54 years	Male	12 months	hr-2 (>7% but <=8%)
NKPI-06087	55-64 years	Male	12 months	hr-2 (>7% but <=8%)
NKPI-06088	65 years and older	Male	12 months	hr-2 (>7% but <=8%)
NKPI-06089	0-4 years	Female	12 months	hr-2 (>7% but <=8%)
NKPI-06090	5-14 years	Female	12 months	hr-2 (>7% but <=8%)
NKPI-06091	15-24 years	Female	12 months	hr-2 (>7% but <=8%)
NKPI-06092	25-34 years	Female	12 months	hr-2 (>7% but <=8%)
NKPI-06093	35-44 years	Female	12 months	hr-2 (>7% but <=8%)
NKPI-06094	45-54 years	Female	12 months	hr-2 (>7% but <=8%)
NKPI-06095	55-64 years	Female	12 months	hr-2 (>7% but <=8%)
NKPI-06096	65 years and older	Female	12 months	hr-2 (>7% but <=8%)
NKPI-06097	0-4 years	Male	12 months	hr-3 (>8% but <10%)
NKPI-06098	5-14 years	Male	12 months	hr-3 (>8% but <10%)
NKPI-06099	15-24 years	Male	12 months	hr-3 (>8% but <10%)
NKPI-06100	25-34 years	Male	12 months	hr-3 (>8% but <10%)
NKPI-06101	35-44 years	Male	12 months	hr-3 (>8% but <10%)
NKPI-06102	45-54 years	Male	12 months	hr-3 (>8% but <10%)
NKPI-06103	55-64 years	Male	12 months	hr-3 (>8% but <10%)
NKPI-06104	65 years and older	Male	12 months	hr-3 (>8% but <10%)
NKPI-06105	0-4 years	Female	12 months	hr-3 (>8% but <10%)
NKPI-06106	5-14 years	Female	12 months	hr-3 (>8% but <10%)
NKPI-06107	15-24 years	Female	12 months	hr-3 (>8% but <10%)
NKPI-06108	25-34 years	Female	12 months	hr-3 (>8% but <10%)
NKPI-06109	35-44 years	Female	12 months	hr-3 (>8% but <10%)
NKPI-06110	45-54 years	Female	12 months	hr-3 (>8% but <10%)
NKPI-06111	55-64 years	Female	12 months	hr-3 (>8% but <10%)
NKPI-06112	65 years and older	Female	12 months	hr-3 (>8% but <10%)
NKPI-06113	0-4 years	Male	12 months	hr-4 (>=10%)
NKPI-06114	5-14 years	Male	12 months	hr-4 (>=10%)
NKPI-06115	15-24 years	Male	12 months	hr-4 (>=10%)
NKPI-06116	25-34 years	Male	12 months	hr-4 (>=10%)
NKPI-06117	35-44 years	Male	12 months	hr-4 (>=10%)
NKPI-06118	45-54 years	Male	12 months	hr-4 (>=10%)
NKPI-06119	55-64 years	Male	12 months	hr-4 (>=10%)
NKPI-06120	65 years and older	Male	12 months	hr-4 (>=10%)
NKPI-06121	0-4 years	Female	12 months	hr-4 (>=10%)
NKPI-06122	5-14 years	Female	12 months	hr-4 (>=10%)
NKPI-06123	15-24 years	Female	12 months	hr-4 (>=10%)
NKPI-06124	25-34 years	Female	12 months	hr-4 (>=10%)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-06125	35-44 years	Female	12 months	hr-4 (>=10%)
NKPI-06126	45-54 years	Female	12 months	hr-4 (>=10%)
NKPI-06127	55-64 years	Female	12 months	hr-4 (>=10%)
NKPI-06128	65 years and older	Female	12 months	hr-4 (>=10%)
PI07: Chronic Disease Management Plan prepared				
NKPI-07001	0-4 years	Male	In-person	
NKPI-07002	5-14 years	Male	In-person	
NKPI-07003	15-24 years	Male	In-person	
NKPI-07004	25-34 years	Male	In-person	
NKPI-07005	35-44 years	Male	In-person	
NKPI-07006	45-54 years	Male	In-person	
NKPI-07007	55-64 years	Male	In-person	
NKPI-07008	65 years and older	Male	In-person	
NKPI-07009	0-4 years	Female	In-person	
NKPI-07010	5-14 years	Female	In-person	
NKPI-07011	15-24 years	Female	In-person	
NKPI-07012	25-34 years	Female	In-person	
NKPI-07013	35-44 years	Female	In-person	
NKPI-07014	45-54 years	Female	In-person	
NKPI-07015	55-64 years	Female	In-person	
NKPI-07016	65 years and older	Female	In-person	
NKPI-07017	0-4 years	Male	Telehealth	
NKPI-07018	5-14 years	Male	Telehealth	
NKPI-07019	15-24 years	Male	Telehealth	
NKPI-07020	25-34 years	Male	Telehealth	
NKPI-07021	35-44 years	Male	Telehealth	
NKPI-07022	45-54 years	Male	Telehealth	
NKPI-07023	55-64 years	Male	Telehealth	
NKPI-07024	65 years and older	Male	Telehealth	
NKPI-07025	0-4 years	Female	Telehealth	
NKPI-07026	5-14 years	Female	Telehealth	
NKPI-07027	15-24 years	Female	Telehealth	
NKPI-07028	25-34 years	Female	Telehealth	
NKPI-07029	35-44 years	Female	Telehealth	
NKPI-07030	45-54 years	Female	Telehealth	
NKPI-07031	55-64 years	Female	Telehealth	
NKPI-07032	65 years and older	Female	Telehealth	
PI09: Smoking status recorded				
NKPI-09001	15-24 years	Male		
NKPI-09002	25-34 years	Male		
NKPI-09003	35-44 years	Male		
NKPI-09004	45-54 years	Male		
NKPI-09005	55-64 years	Male		
NKPI-09006	65 years and older	Male		
NKPI-09007	15-24 years	Female		
NKPI-09008	25-34 years	Female		
NKPI-09009	35-44 years	Female		
NKPI-09010	45-54 years	Female		
NKPI-09011	55-64 years	Female		
NKPI-09012	65 years and older	Female		
NKPI-09041	11-14 years	Male		
NKPI-09051	11-14 years	Female		
PI10: Smoking status				
NKPI-10001	15-24 years	Male	current smoker	
NKPI-10002	25-34 years	Male	current smoker	
NKPI-10003	35-44 years	Male	current smoker	
NKPI-10004	45-54 years	Male	current smoker	
NKPI-10005	55-64 years	Male	current smoker	
NKPI-10006	65 years and older	Male	current smoker	
NKPI-10007	15-24 years	Male	ex-smoker	
NKPI-10008	25-34 years	Male	ex-smoker	
NKPI-10009	35-44 years	Male	ex-smoker	
NKPI-10010	45-54 years	Male	ex-smoker	
NKPI-10011	55-64 years	Male	ex-smoker	
NKPI-10012	65 years and older	Male	ex-smoker	
NKPI-10013	15-24 years	Male	never smoked	
NKPI-10014	25-34 years	Male	never smoked	
NKPI-10015	35-44 years	Male	never smoked	

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-10016	45-54 years	Male	never smoked	
NKPI-10017	55-64 years	Male	never smoked	
NKPI-10018	65 years and older	Male	never smoked	
NKPI-10019	15-24 years	Female	current smoker	
NKPI-10020	25-34 years	Female	current smoker	
NKPI-10021	35-44 years	Female	current smoker	
NKPI-10022	45-54 years	Female	current smoker	
NKPI-10023	55-64 years	Female	current smoker	
NKPI-10024	65 years and older	Female	current smoker	
NKPI-10025	15-24 years	Female	ex-smoker	
NKPI-10026	25-34 years	Female	ex-smoker	
NKPI-10027	35-44 years	Female	ex-smoker	
NKPI-10028	45-54 years	Female	ex-smoker	
NKPI-10029	55-64 years	Female	ex-smoker	
NKPI-10030	65 years and older	Female	ex-smoker	
NKPI-10031	15-24 years	Female	never smoked	
NKPI-10032	25-34 years	Female	never smoked	
NKPI-10033	35-44 years	Female	never smoked	
NKPI-10034	45-54 years	Female	never smoked	
NKPI-10035	55-64 years	Female	never smoked	
NKPI-10036	65 years and older	Female	never smoked	
NKPI-10041	11-14 years	Male	current smoker	
NKPI-10042	11-14 years	Male	ex-smoker	
NKPI-10043	11-14 years	Male	never smoked	
NKPI-10051	11-14 years	Female	current smoker	
NKPI-10052	11-14 years	Female	ex-smoker	
NKPI-10053	11-14 years	Female	never smoked	
PI11: Smoking status result of women who gave birth				
NKPI-11004	35 years and older	current smoker		
NKPI-11008	35 years and older	ex-smoker		
NKPI-11012	35 years and older	never smoked		
NKPI-11021	less than 20 years	current smoker		
NKPI-11022	20-34 years	current smoker		
NKPI-11023	less than 20 years	ex-smoker		
NKPI-11024	20-34 years	ex-smoker		
NKPI-11025	less than 20 years	never smoked		
NKPI-11026	20-34 years	never smoked		
PI12: Body mass index of clients				
NKPI-12021	18-24 years	Male	bmi-5 (underweight)	
NKPI-12022	25-34 years	Male	bmi-5 (underweight)	
NKPI-12023	35-44 years	Male	bmi-5 (underweight)	
NKPI-12024	45-54 years	Male	bmi-5 (underweight)	
NKPI-12025	55-64 years	Male	bmi-5 (underweight)	
NKPI-12026	65 years and older	Male	bmi-5 (underweight)	
NKPI-12027	18-24 years	Female	bmi-5 (underweight)	
NKPI-12028	25-34 years	Female	bmi-5 (underweight)	
NKPI-12029	35-44 years	Female	bmi-5 (underweight)	
NKPI-12030	45-54 years	Female	bmi-5 (underweight)	
NKPI-12031	55-64 years	Female	bmi-5 (underweight)	
NKPI-12032	65 years and older	Female	bmi-5 (underweight)	
NKPI-12033	18-24 years	Male	bmi-4 (normal weight)	
NKPI-12034	25-34 years	Male	bmi-4 (normal weight)	
NKPI-12035	35-44 years	Male	bmi-4 (normal weight)	
NKPI-12036	45-54 years	Male	bmi-4 (normal weight)	
NKPI-12037	55-64 years	Male	bmi-4 (normal weight)	
NKPI-12038	65 years and older	Male	bmi-4 (normal weight)	
NKPI-12039	18-24 years	Female	bmi-4 (normal weight)	
NKPI-12040	25-34 years	Female	bmi-4 (normal weight)	
NKPI-12041	35-44 years	Female	bmi-4 (normal weight)	
NKPI-12042	45-54 years	Female	bmi-4 (normal weight)	
NKPI-12043	55-64 years	Female	bmi-4 (normal weight)	
NKPI-12044	65 years and older	Female	bmi-4 (normal weight)	
NKPI-12045	18-24 years	Male	bmi-1 (overweight)	
NKPI-12046	25-34 years	Male	bmi-1 (overweight)	
NKPI-12047	35-44 years	Male	bmi-1 (overweight)	
NKPI-12048	45-54 years	Male	bmi-1 (overweight)	
NKPI-12049	55-64 years	Male	bmi-1 (overweight)	
NKPI-12050	65 years and older	Male	bmi-1 (overweight)	

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-12051	18-24 years	Female	bmi-1 (overweight)	
NKPI-12052	25-34 years	Female	bmi-1 (overweight)	
NKPI-12053	35-44 years	Female	bmi-1 (overweight)	
NKPI-12054	45-54 years	Female	bmi-1 (overweight)	
NKPI-12055	55-64 years	Female	bmi-1 (overweight)	
NKPI-12056	65 years and older	Female	bmi-1 (overweight)	
NKPI-12057	18-24 years	Male	bmi-2 (obese)	
NKPI-12058	25-34 years	Male	bmi-2 (obese)	
NKPI-12059	35-44 years	Male	bmi-2 (obese)	
NKPI-12060	45-54 years	Male	bmi-2 (obese)	
NKPI-12061	55-64 years	Male	bmi-2 (obese)	
NKPI-12062	65 years and older	Male	bmi-2 (obese)	
NKPI-12063	18-24 years	Female	bmi-2 (obese)	
NKPI-12064	25-34 years	Female	bmi-2 (obese)	
NKPI-12065	35-44 years	Female	bmi-2 (obese)	
NKPI-12066	45-54 years	Female	bmi-2 (obese)	
NKPI-12067	55-64 years	Female	bmi-2 (obese)	
NKPI-12068	65 years and older	Female	bmi-2 (obese)	
NKPI-12069	18-24 years	Male	bmi-6 (not calculated)	
NKPI-12070	25-34 years	Male	bmi-6 (not calculated)	
NKPI-12071	35-44 years	Male	bmi-6 (not calculated)	
NKPI-12072	45-54 years	Male	bmi-6 (not calculated)	
NKPI-12073	55-64 years	Male	bmi-6 (not calculated)	
NKPI-12074	65 years and older	Male	bmi-6 (not calculated)	
NKPI-12075	18-24 years	Female	bmi-6 (not calculated)	
NKPI-12076	25-34 years	Female	bmi-6 (not calculated)	
NKPI-12077	35-44 years	Female	bmi-6 (not calculated)	
NKPI-12078	45-54 years	Female	bmi-6 (not calculated)	
NKPI-12079	55-64 years	Female	bmi-6 (not calculated)	
NKPI-12080	65 years and older	Female	bmi-6 (not calculated)	
PI13: Antenatal Visits				
NKPI-13007	less than 20 years	ga-4 (>=20 weeks)		
NKPI-13008	20-34 years	ga-4 (>=20 weeks)		
NKPI-13009	35 years and older	ga-4 (>=20 weeks)		
NKPI-13010	less than 20 years	ga-5 (no GA recorded)		
NKPI-13011	20-34 years	ga-5 (no GA recorded)		
NKPI-13012	35 years and older	ga-5 (no GA recorded)		
NKPI-13013	less than 20 years	no antenatal visit recorded		
NKPI-13014	20-34 years	no antenatal visit recorded		
NKPI-13015	35 years and older	no antenatal visit recorded		
NKPI-13021	less than 20 years	ga-1 (<11 weeks)		
NKPI-13022	20-34 years	ga-1 (<11 weeks)		
NKPI-13023	35 years and older	ga-1 (<11 weeks)		
NKPI-13024	less than 20 years	ga-2 (>=11 but <14 weeks)		
NKPI-13025	20-34 years	ga-2 (>=11 but <14 weeks)		
NKPI-13026	35 years and older	ga-2 (>=11 but <14 weeks)		
NKPI-13027	less than 20 years	ga-3 (>=14 but < 20 weeks)		
NKPI-13028	20-34 years	ga-3 (>=14 but < 20 weeks)		
NKPI-13029	35 years and older	ga-3 (>=14 but < 20 weeks)		
PI14: Clients who are immunised against influenza				
NKPI-14010	6 months - 4 years	Male		
NKPI-14011	5 - 14 years	Male		
NKPI-14012	15 - 24 years	Male		
NKPI-14013	25 - 34 years	Male		
NKPI-14014	35 - 44 years	Male		
NKPI-14015	45 - 54 years	Male		
NKPI-14016	55 - 64 years	Male		
NKPI-14017	65 years and older	Male		
NKPI-14020	6 months - 4 years	Female		
NKPI-14021	5 - 14 years	Female		
NKPI-14022	15 - 24 years	Female		
NKPI-14023	25 - 34 years	Female		
NKPI-14024	35 - 44 years	Female		
NKPI-14025	45 - 54 years	Female		
NKPI-14026	55 - 64 years	Female		
NKPI-14027	65 years and older	Female		
PI15: Clients with Type 2 diabetes or COPD who are immunised against influenza (retired)				
NKPI-15001	15-24 years	Male	Type 2 diabetes	

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-15002	25-34 years	Male	Type 2 diabetes	
NKPI-15003	35-44 years	Male	Type 2 diabetes	
NKPI-15004	45-49 years	Male	Type 2 diabetes	
NKPI-15005	15-24 years	Male	COPD	
NKPI-15006	25-34 years	Male	COPD	
NKPI-15007	35-44 years	Male	COPD	
NKPI-15008	45-49 years	Male	COPD	
NKPI-15009	15-24 years	Female	Type 2 diabetes	
NKPI-15010	25-34 years	Female	Type 2 diabetes	
NKPI-15011	35-44 years	Female	Type 2 diabetes	
NKPI-15012	45-49 years	Female	Type 2 diabetes	
NKPI-15013	15-24 years	Female	COPD	
NKPI-15014	25-34 years	Female	COPD	
NKPI-15015	35-44 years	Female	COPD	
NKPI-15016	45-49 years	Female	COPD	
PI16: Alcohol consumption recorded				
NKPI-16001	15-24 years	Male		
NKPI-16002	25-34 years	Male		
NKPI-16003	35-44 years	Male		
NKPI-16004	45-54 years	Male		
NKPI-16005	55-64 years	Male		
NKPI-16006	65 years and older	Male		
NKPI-16007	15-24 years	Female		
NKPI-16008	25-34 years	Female		
NKPI-16009	35-44 years	Female		
NKPI-16010	45-54 years	Female		
NKPI-16011	55-64 years	Female		
NKPI-16012	65 years and older	Female		
PI17: AUDIT-C result				
NKPI-17001	15-24 years	Male	ac-1 (>=4)	
NKPI-17002	25-34 years	Male	ac-1 (>=4)	
NKPI-17003	35-44 years	Male	ac-1 (>=4)	
NKPI-17004	45-54 years	Male	ac-1 (>=4)	
NKPI-17005	55-64 years	Male	ac-1 (>=4)	
NKPI-17006	65 years and older	Male	ac-1 (>=4)	
NKPI-17007	15-24 years	Female	ac-3 (>=3)	
NKPI-17008	25-34 years	Female	ac-3 (>=3)	
NKPI-17009	35-44 years	Female	ac-3 (>=3)	
NKPI-17010	45-54 years	Female	ac-3 (>=3)	
NKPI-17011	55-64 years	Female	ac-3 (>=3)	
NKPI-17012	65 years and older	Female	ac-3 (>=3)	
NKPI-17013	15-24 years	Male	ac-2 (<4)	
NKPI-17014	25-34 years	Male	ac-2 (<4)	
NKPI-17015	35-44 years	Male	ac-2 (<4)	
NKPI-17016	45-54 years	Male	ac-2 (<4)	
NKPI-17017	55-64 years	Male	ac-2 (<4)	
NKPI-17018	65 years and older	Male	ac-2 (<4)	
NKPI-17019	15-24 years	Female	ac-4 (<3)	
NKPI-17020	25-34 years	Female	ac-4 (<3)	
NKPI-17021	35-44 years	Female	ac-4 (<3)	
NKPI-17022	45-54 years	Female	ac-4 (<3)	
NKPI-17023	55-64 years	Female	ac-4 (<3)	
NKPI-17024	65 years and older	Female	ac-4 (<3)	
PI18: Kidney Function Testing				
NKPI-18051	0-14 years	Male	type 2 diabetes	an eGFR only
NKPI-18001	15-24 years	Male	type 2 diabetes	an eGFR only
NKPI-18002	25-34 years	Male	type 2 diabetes	an eGFR only
NKPI-18003	35-44 years	Male	type 2 diabetes	an eGFR only
NKPI-18004	45-54 years	Male	type 2 diabetes	an eGFR only
NKPI-18005	55-64 years	Male	type 2 diabetes	an eGFR only
NKPI-18006	65 years and older	Male	type 2 diabetes	an eGFR only
NKPI-18052	0-14 years	Male	type 2 diabetes	an ACR only
NKPI-18007	15-24 years	Male	type 2 diabetes	an ACR only
NKPI-18008	25-34 years	Male	type 2 diabetes	an ACR only
NKPI-18009	35-44 years	Male	type 2 diabetes	an ACR only
NKPI-18010	45-54 years	Male	type 2 diabetes	an ACR only
NKPI-18011	55-64 years	Male	type 2 diabetes	an ACR only
NKPI-18012	65 years and older	Male	type 2 diabetes	an ACR only

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-18053	0-14 years	Male	type 2 diabetes	both eGFR and ACR
NKPI-18013	15-24 years	Male	type 2 diabetes	both eGFR and ACR
NKPI-18014	25-34 years	Male	type 2 diabetes	both eGFR and ACR
NKPI-18015	35-44 years	Male	type 2 diabetes	both eGFR and ACR
NKPI-18016	45-54 years	Male	type 2 diabetes	both eGFR and ACR
NKPI-18017	55-64 years	Male	type 2 diabetes	both eGFR and ACR
NKPI-18018	65 years and older	Male	type 2 diabetes	both eGFR and ACR
NKPI-18057	0-14 years	Male	type 2 diabetes	neither an eGFR or ACR
NKPI-18058	15-24 years	Male	type 2 diabetes	neither an eGFR or ACR
NKPI-18059	25-34 years	Male	type 2 diabetes	neither an eGFR or ACR
NKPI-18060	35-44 years	Male	type 2 diabetes	neither an eGFR or ACR
NKPI-18061	45-54 years	Male	type 2 diabetes	neither an eGFR or ACR
NKPI-18062	55-64 years	Male	type 2 diabetes	neither an eGFR or ACR
NKPI-18063	65 years and older	Male	type 2 diabetes	neither an eGFR or ACR
NKPI-18054	0-14 years	Female	type 2 diabetes	an eGFR only
NKPI-18025	15-24 years	Female	type 2 diabetes	an eGFR only
NKPI-18026	25-34 years	Female	type 2 diabetes	an eGFR only
NKPI-18027	35-44 years	Female	type 2 diabetes	an eGFR only
NKPI-18028	45-54 years	Female	type 2 diabetes	an eGFR only
NKPI-18029	55-64 years	Female	type 2 diabetes	an eGFR only
NKPI-18030	65 years and older	Female	type 2 diabetes	an eGFR only
NKPI-18055	0-14 years	Female	type 2 diabetes	an ACR only
NKPI-18031	15-24 years	Female	type 2 diabetes	an ACR only
NKPI-18032	25-34 years	Female	type 2 diabetes	an ACR only
NKPI-18033	35-44 years	Female	type 2 diabetes	an ACR only
NKPI-18034	45-54 years	Female	type 2 diabetes	an ACR only
NKPI-18035	55-64 years	Female	type 2 diabetes	an ACR only
NKPI-18036	65 years and older	Female	type 2 diabetes	an ACR only
NKPI-18056	0-14 years	Female	type 2 diabetes	Both eGFR and ACR
NKPI-18037	15-24 years	Female	type 2 diabetes	both eGFR and ACR
NKPI-18038	25-34 years	Female	type 2 diabetes	both eGFR and ACR
NKPI-18039	35-44 years	Female	type 2 diabetes	both eGFR and ACR
NKPI-18040	45-54 years	Female	type 2 diabetes	both eGFR and ACR
NKPI-18041	55-64 years	Female	type 2 diabetes	both eGFR and ACR
NKPI-18042	65 years and older	Female	type 2 diabetes	both eGFR and ACR
NKPI-18064	0-14 years	Female	type 2 diabetes	neither an eGFR or ACR
NKPI-18065	15-24 years	Female	type 2 diabetes	neither an eGFR or ACR
NKPI-18066	25-34 years	Female	type 2 diabetes	neither an eGFR or ACR
NKPI-18067	35-44 years	Female	type 2 diabetes	neither an eGFR or ACR
NKPI-18068	45-54 years	Female	type 2 diabetes	neither an eGFR or ACR
NKPI-18069	55-64 years	Female	type 2 diabetes	neither an eGFR or ACR
NKPI-18070	65 years and older	Female	type 2 diabetes	neither an eGFR or ACR
NKPI-18071	0-14 years	Male	cardiovascular disease	an eGFR only
NKPI-18072	15-24 years	Male	cardiovascular disease	an eGFR only
NKPI-18073	25-34 years	Male	cardiovascular disease	an eGFR only
NKPI-18074	35-44 years	Male	cardiovascular disease	an eGFR only
NKPI-18075	45-54 years	Male	cardiovascular disease	an eGFR only
NKPI-18076	55-64 years	Male	cardiovascular disease	an eGFR only
NKPI-18077	65 years and older	Male	cardiovascular disease	an eGFR only
NKPI-18078	0-14 years	Male	cardiovascular disease	an ACR only
NKPI-18079	15-24 years	Male	cardiovascular disease	an ACR only
NKPI-18080	25-34 years	Male	cardiovascular disease	an ACR only
NKPI-18081	35-44 years	Male	cardiovascular disease	an ACR only
NKPI-18082	45-54 years	Male	cardiovascular disease	an ACR only
NKPI-18083	55-64 years	Male	cardiovascular disease	an ACR only
NKPI-18084	65 years and older	Male	cardiovascular disease	an ACR only
NKPI-18085	0-14 years	Male	cardiovascular disease	both eGFR and ACR
NKPI-18086	15-24 years	Male	cardiovascular disease	both eGFR and ACR
NKPI-18087	25-34 years	Male	cardiovascular disease	both eGFR and ACR
NKPI-18088	35-44 years	Male	cardiovascular disease	both eGFR and ACR
NKPI-18089	45-54 years	Male	cardiovascular disease	both eGFR and ACR
NKPI-18090	55-64 years	Male	cardiovascular disease	both eGFR and ACR
NKPI-18091	65 years and older	Male	cardiovascular disease	both eGFR and ACR
NKPI-18092	0-14 years	Male	cardiovascular disease	neither an eGFR or ACR
NKPI-18093	15-24 years	Male	cardiovascular disease	neither an eGFR or ACR
NKPI-18094	25-34 years	Male	cardiovascular disease	neither an eGFR or ACR
NKPI-18095	35-44 years	Male	cardiovascular disease	neither an eGFR or ACR
NKPI-18096	45-54 years	Male	cardiovascular disease	neither an eGFR or ACR

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-18097	55-64 years	Male	cardiovascular disease	neither an eGFR or ACR
NKPI-18098	65 years and older	Male	cardiovascular disease	neither an eGFR or ACR
NKPI-18099	0-14 years	Female	cardiovascular disease	an eGFR only
NKPI-18100	15-24 years	Female	cardiovascular disease	an eGFR only
NKPI-18101	25-34 years	Female	cardiovascular disease	an eGFR only
NKPI-18102	35-44 years	Female	cardiovascular disease	an eGFR only
NKPI-18103	45-54 years	Female	cardiovascular disease	an eGFR only
NKPI-18104	55-64 years	Female	cardiovascular disease	an eGFR only
NKPI-18105	65 years and older	Female	cardiovascular disease	an eGFR only
NKPI-18106	0-14 years	Female	cardiovascular disease	an ACR only
NKPI-18107	15-24 years	Female	cardiovascular disease	an ACR only
NKPI-18108	25-34 years	Female	cardiovascular disease	an ACR only
NKPI-18109	35-44 years	Female	cardiovascular disease	an ACR only
NKPI-18110	45-54 years	Female	cardiovascular disease	an ACR only
NKPI-18111	55-64 years	Female	cardiovascular disease	an ACR only
NKPI-18112	65 years and older	Female	cardiovascular disease	an ACR only
NKPI-18113	0-14 years	Female	cardiovascular disease	both eGFR and ACR
NKPI-18114	15-24 years	Female	cardiovascular disease	both eGFR and ACR
NKPI-18115	25-34 years	Female	cardiovascular disease	both eGFR and ACR
NKPI-18116	35-44 years	Female	cardiovascular disease	both eGFR and ACR
NKPI-18117	45-54 years	Female	cardiovascular disease	both eGFR and ACR
NKPI-18118	55-64 years	Female	cardiovascular disease	both eGFR and ACR
NKPI-18119	65 years and older	Female	cardiovascular disease	both eGFR and ACR
NKPI-18120	0-14 years	Female	cardiovascular disease	neither an eGFR or ACR
NKPI-18121	15-24 years	Female	cardiovascular disease	neither an eGFR or ACR
NKPI-18122	25-34 years	Female	cardiovascular disease	neither an eGFR or ACR
NKPI-18123	35-44 years	Female	cardiovascular disease	neither an eGFR or ACR
NKPI-18124	45-54 years	Female	cardiovascular disease	neither an eGFR or ACR
NKPI-18125	55-64 years	Female	cardiovascular disease	neither an eGFR or ACR
NKPI-18126	65 years and older	Female	cardiovascular disease	neither an eGFR or ACR
NKPI-18127	0-14 years	Male	type 2 diabetes and/or CVD	an eGFR only
NKPI-18128	15-24 years	Male	type 2 diabetes and/or CVD	an eGFR only
NKPI-18129	25-34 years	Male	type 2 diabetes and/or CVD	an eGFR only
NKPI-18130	35-44 years	Male	type 2 diabetes and/or CVD	an eGFR only
NKPI-18131	45-54 years	Male	type 2 diabetes and/or CVD	an eGFR only
NKPI-18132	55-64 years	Male	type 2 diabetes and/or CVD	an eGFR only
NKPI-18133	65 years and older	Male	type 2 diabetes and/or CVD	an eGFR only
NKPI-18134	0-14 years	Male	type 2 diabetes and/or CVD	an ACR only
NKPI-18135	15-24 years	Male	type 2 diabetes and/or CVD	an ACR only
NKPI-18136	25-34 years	Male	type 2 diabetes and/or CVD	an ACR only
NKPI-18137	35-44 years	Male	type 2 diabetes and/or CVD	an ACR only
NKPI-18138	45-54 years	Male	type 2 diabetes and/or CVD	an ACR only
NKPI-18139	55-64 years	Male	type 2 diabetes and/or CVD	an ACR only
NKPI-18140	65 years and older	Male	type 2 diabetes and/or CVD	an ACR only
NKPI-18141	0-14 years	Male	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18142	15-24 years	Male	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18143	25-34 years	Male	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18144	35-44 years	Male	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18145	45-54 years	Male	type 2 diabetes and/or CVD	both eGFR and ACR

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-18146	55-64 years	Male	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18147	65 years and older	Male	Type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18148	0-14 years	Male	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18149	15-24 years	Male	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18150	25-34 years	Male	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18151	35-44 years	Male	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18152	45-54 years	Male	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18153	55-64 years	Male	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18154	65 years and older	Male	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18155	0-14 years	Female	type 2 diabetes and/or CVD	an eGFR only
NKPI-18156	15-24 years	Female	type 2 diabetes and/or CVD	an eGFR only
NKPI-18157	25-34 years	Female	type 2 diabetes and/or CVD	an eGFR only
NKPI-18158	35-44 years	Female	type 2 diabetes and/or CVD	an eGFR only
NKPI-18159	45-54 years	Female	type 2 diabetes and/or CVD	an eGFR only
NKPI-18160	55-64 years	Female	type 2 diabetes and/or CVD	an eGFR only
NKPI-18161	65 years and older	Female	type 2 diabetes and/or CVD	an eGFR only
NKPI-18162	0-14 years	Female	type 2 diabetes and/or CVD	an ACR only
NKPI-18163	15-24 years	Female	type 2 diabetes and/or CVD	an ACR only
NKPI-18164	25-34 years	Female	type 2 diabetes and/or CVD	an ACR only
NKPI-18165	35-44 years	Female	type 2 diabetes and/or CVD	an ACR only
NKPI-18166	45-54 years	Female	type 2 diabetes and/or CVD	an ACR only
NKPI-18167	55-64 years	Female	type 2 diabetes and/or CVD	an ACR only
NKPI-18168	65 years and older	Female	type 2 diabetes and/or CVD	an ACR only
NKPI-18169	0-14 years	Female	type 2 diabetes and/or CVD	Both eGFR and ACR
NKPI-18170	15-24 years	Female	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18171	25-34 years	Female	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18172	35-44 years	Female	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18173	45-54 years	Female	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18174	55-64 years	Female	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18175	65 years and older	Female	type 2 diabetes and/or CVD	both eGFR and ACR
NKPI-18176	0-14 years	Female	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18177	15-24 years	Female	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18178	25-34 years	Female	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18179	35-44 years	Female	type 2 diabetes and/or CVD	neither an eGFR or ACR

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-18180	45-54 years	Female	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18181	55-64 years	Female	type 2 diabetes and/or CVD	neither an eGFR or ACR
NKPI-18182	65 years and older	Female	type 2 diabetes and/or CVD	neither an eGFR or ACR
PI19: Kidney function test results				
Clients with type 2 diabetes				
NKPI-19181	0-14 years	Male	type 2 diabetes	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19182	15-24 years	Male	type 2 diabetes	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19183	25-34 years	Male	type 2 diabetes	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19184	35-44 years	Male	type 2 diabetes	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19185	45-54 years	Male	type 2 diabetes	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19186	55-64 years	Male	type 2 diabetes	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19187	65 years and older	Male	type 2 diabetes	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19223	0-14 years	Female	type 2 diabetes	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19224	15-24 years	Female	type 2 diabetes	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19225	25-34 years	Female	type 2 diabetes	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19226	35-44 years	Female	type 2 diabetes	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19227	45-54 years	Female	type 2 diabetes	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19228	55-64 years	Female	type 2 diabetes	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19229	65 years and older	Female	type 2 diabetes	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19188	0-14 years	Male	type 2 diabetes	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR eGFR \geq 60 and ACR \geq 2.5 but \leq 25)
NKPI-19189	15-24 years	Male	type 2 diabetes	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR eGFR \geq 60 and ACR \geq 2.5 but \leq 25)
NKPI-19190	25-34 years	Male	type 2 diabetes	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19191	35-44 years	Male	type 2 diabetes	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but \leq 25)
NKPI-19192	45-54 years	Male	type 2 diabetes	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but \leq 25)
NKPI-19193	55-64 years	Male	type 2 diabetes	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but \leq 25)
NKPI-19194	65 years and older	Male	type 2 diabetes	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but \leq 25)
NKPI-19230	0-14 years	Female	type 2 diabetes	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19231	15-24 years	Female	type 2 diabetes	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19232	25-34 years	Female	type 2 diabetes	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19233	35-44 years	Female	type 2 diabetes	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19234	45-54 years	Female	type 2 diabetes	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19235	55-64 years	Female	type 2 diabetes	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19236	65 years and older	Female	type 2 diabetes	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19195	0-14 years	Male	type 2 diabetes	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19196	15-24 years	Male	type 2 diabetes	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19197	25-34 years	Male	type 2 diabetes	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19198	35-44 years	Male	type 2 diabetes	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19199	45-54 years	Male	type 2 diabetes	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19200	55-64 years	Male	type 2 diabetes	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19201	65 years and older	Male	type 2 diabetes	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19237	0-14 years	Female	type 2 diabetes	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19238	15-24 years	Female	type 2 diabetes	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19239	25-34 years	Female	type 2 diabetes	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19240	35-44 years	Female	type 2 diabetes	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19241	45-54 years	Female	type 2 diabetes	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19242	55-64 years	Female	type 2 diabetes	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19243	65 years and older	Female	type 2 diabetes	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19202	0-14 years	Male	type 2 diabetes	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19203	15-24 years	Male	type 2 diabetes	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19204	25-34 years	Male	type 2 diabetes	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19205	35-44 years	Male	type 2 diabetes	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19206	45-54 years	Male	type 2 diabetes	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19207	55-64 years	Male	type 2 diabetes	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19208	65 years and older	Male	type 2 diabetes	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19244	0-14 years	Female	type 2 diabetes	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19245	15-24 years	Female	type 2 diabetes	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19246	25-34 years	Female	type 2 diabetes	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19247	35-44 years	Female	type 2 diabetes	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19248	45-54 years	Female	type 2 diabetes	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19249	55-64 years	Female	type 2 diabetes	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19250	65 years and older	Female	type 2 diabetes	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19209	0-14 years	Male	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19210	15-24 years	Male	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19211	25-34 years	Male	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19212	35-44 years	Male	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19213	45-54 years	Male	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19214	55-64 years	Male	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19215	65 years and older	Male	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19251	0-14 years	Female	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19252	15-24 years	Female	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19253	25-34 years	Female	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19254	35-44 years	Female	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19255	45-54 years	Female	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19256	55-64 years	Female	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19257	65 years and older	Female	type 2 diabetes	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19216	0-14 years	Male	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19217	15-24 years	Male	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19218	25-34 years	Male	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19219	35-44 years	Male	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19220	45-54 years	Male	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19221	55-64 years	Male	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19222	65 years and older	Male	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19258	0-14 years	Female	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19259	15-24 years	Female	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19260	25-34 years	Female	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19261	35-44 years	Female	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19262	45-54 years	Female	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19263	55-64 years	Female	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19264	65 years and older	Female	type 2 diabetes	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
Clients with cardiovascular disease				
NKPI-19265	0-14 years	Male	cardiovascular disease	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19266	15-24 years	Male	cardiovascular disease	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19267	25-34 years	Male	cardiovascular disease	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19268	35-44 years	Male	cardiovascular disease	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19269	45-54 years	Male	cardiovascular disease	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19270	55-64 years	Male	cardiovascular disease	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19271	65 years and older	Male	cardiovascular disease	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19307	0-14 years	Female	cardiovascular disease	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19308	15-24 years	Female	cardiovascular disease	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19309	25-34 years	Female	cardiovascular disease	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19310	35-44 years	Female	cardiovascular disease	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19311	45-54 years	Female	cardiovascular disease	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19312	55-64 years	Female	cardiovascular disease	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19313	65 years and older	Female	cardiovascular disease	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19272	0-14 years	Male	cardiovascular disease	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19273	15-24 years	Male	cardiovascular disease	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19274	25-34 years	Male	cardiovascular disease	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19275	35-44 years	Male	cardiovascular disease	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19276	45-54 years	Male	cardiovascular disease	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19277	55-64 years	Male	cardiovascular disease	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19278	65 years and older	Male	cardiovascular disease	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19314	0-14 years	Female	cardiovascular disease	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19315	15-24 years	Female	cardiovascular disease	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19316	25-34 years	Female	cardiovascular disease	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19317	35-44 years	Female	cardiovascular disease	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19318	45-54 years	Female	cardiovascular disease	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19319	55-64 years	Female	cardiovascular disease	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19320	65 years and older	Female	cardiovascular disease	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19279	0-14 years	Male	cardiovascular disease	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19280	15-24 years	Male	cardiovascular disease	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19281	25-34 years	Male	cardiovascular disease	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19282	35-44 years	Male	cardiovascular disease	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19283	45-54 years	Male	cardiovascular disease	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19284	55-64 years	Male	cardiovascular disease	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19285	65 years and older	Male	cardiovascular disease	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19321	0-14 years	Female	cardiovascular disease	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19322	15-24 years	Female	cardiovascular disease	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19323	25-34 years	Female	cardiovascular disease	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19324	35-44 years	Female	cardiovascular disease	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19325	45-54 years	Female	cardiovascular disease	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19326	55-64 years	Female	cardiovascular disease	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19327	65 years and older	Female	cardiovascular disease	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19286	0-14 years	Male	cardiovascular disease	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19287	15-24 years	Male	cardiovascular disease	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19288	25-34 years	Male	cardiovascular disease	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19289	35-44 years	Male	cardiovascular disease	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19290	45-54 years	Male	cardiovascular disease	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19291	55-64 years	Male	cardiovascular disease	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19292	65 years and older	Male	cardiovascular disease	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19328	0-14 years	Female	cardiovascular disease	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19329	15-24 years	Female	cardiovascular disease	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19330	25-34 years	Female	cardiovascular disease	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19331	35-44 years	Female	cardiovascular disease	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19332	45-54 years	Female	cardiovascular disease	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19333	55-64 years	Female	cardiovascular disease	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19334	65 years and older	Female	cardiovascular disease	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19293	0-14 years	Male	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19294	15-24 years	Male	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19295	25-34 years	Male	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19296	35-44 years	Male	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19297	45-54 years	Male	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19298	55-64 years	Male	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19299	65 years and older	Male	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19335	0-14 years	Female	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19336	15-24 years	Female	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19337	25-34 years	Female	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19338	35-44 years	Female	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19339	45-54 years	Female	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19340	55-64 years	Female	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19341	65 years and older	Female	cardiovascular disease	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19300	0-14 years	Male	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19301	15-24 years	Male	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19302	25-34 years	Male	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19303	35-44 years	Male	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19304	45-54 years	Male	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19305	55-64 years	Male	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19306	65 years and older	Male	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19342	0-14 years	Female	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19343	15-24 years	Female	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19344	25-34 years	Female	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19345	35-44 years	Female	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19346	45-54 years	Female	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19347	55-64 years	Female	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19348	65 years and older	Female	cardiovascular disease	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
Clients with type 2 diabetes and/or cardiovascular disease				
NKPI-19349	0-14 years	Male	type 2 diabetes and/or CVD	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19350	15-24 years	Male	type 2 diabetes and/or CVD	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19351	25-34 years	Male	type 2 diabetes and/or CVD	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19352	35-44 years	Male	type 2 Diabetes and/or CVD	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19353	45-54 years	Male	type 2 diabetes and/or CVD	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19354	55-64 years	Male	type 2 diabetes and/or CVD	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19355	65 years and older	Male	type 2 diabetes and/or CVD	rfr-1 (eGFR \geq 60 and ACR $<$ 2.5)
NKPI-19391	0-14 years	Female	type 2 diabetes and/or CVD	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19392	15-24 years	Female	type 2 diabetes and/or CVD	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19393	25-34 years	Female	type 2 diabetes and/or CVD	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19394	35-44 years	Female	type 2 diabetes and/or CVD	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19395	45-54 years	Female	type 2 diabetes and/or CVD	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19396	55-64 years	Female	type 2 diabetes and/or CVD	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19397	65 years and older	Female	type 2 diabetes and/or CVD	rfr-2 (eGFR \geq 60 and ACR $<$ 3.5)
NKPI-19356	0-14 years	Male	type 2 diabetes and/or CVD	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19357	15-24 years	Male	type 2 diabetes and/or CVD	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19358	25-34 years	Male	type 2 diabetes and/or CVD	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19359	35-44 years	Male	type 2 diabetes and/or CVD	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19360	45-54 years	Male	type 2 diabetes and/or CVD	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19361	55-64 years	Male	type 2 diabetes and/or CVD	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19362	65 years and older	Male	type 2 diabetes and/or CVD	rfr-3 (eGFR \geq 45 but $<$ 60 and ACR $<$ 2.5 OR, eGFR \geq 60 and ACR \geq 2.5 but $<$ 25)
NKPI-19398	0-14 years	Female	type 2 diabetes and/or CVD	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19399	15-24 years	Female	type 2 diabetes and/or CVD	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19400	25-34 years	Female	type 2 diabetes and/or CVD	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19401	35-44 years	Female	type 2 diabetes and/or CVD	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19402	45-54 years	Female	type 2 diabetes and/or CVD	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19403	55-64 years	Female	type 2 diabetes and/or CVD	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19404	65 years and older	Female	type 2 diabetes and/or CVD	rfr-4 (eGFR \geq 45 but $<$ 60 and ACR $<$ 3.5 OR, eGFR \geq 60 and ACR \geq 3.5 but \leq 35)
NKPI-19363	0-14 years	Male	type 2 diabetes and/or CVD	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19364	15-24 years	Male	type 2 diabetes and/or CVD	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19365	25-34 years	Male	type 2 diabetes and/or CVD	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19366	35-44 years	Male	type 2 diabetes and/or CVD	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19367	45-54 years	Male	type 2 diabetes and/or CVD	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19368	55-64 years	Male	type 2 diabetes and/or CVD	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19369	65 years and older	Male	type 2 diabetes and/or CVD	rfr-5 (eGFR \geq 45 but $<$ 60 and ACR \geq 2.5 but \leq 25 OR, eGFR \geq 60 and ACR $>$ 25 but \leq 300)
NKPI-19405	0-14 years	Female	type 2 diabetes and/or CVD	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19406	15-24 years	Female	type 2 diabetes and/or CVD	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19407	25-34 years	Female	type 2 diabetes and/or CVD	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19408	35-44 years	Female	type 2 diabetes and/or CVD	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19409	45-54 years	Female	type 2 diabetes and/or CVD	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19410	55-64 years	Female	type 2 diabetes and/or CVD	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19411	65 years and older	Female	type 2 diabetes and/or CVD	rfr-6 (eGFR \geq 45 but $<$ 60 and ACR \geq 3.5 but \leq 35 OR eGFR \geq 60 and ACR $>$ 35 but \leq 300)
NKPI-19370	0-14 years	Male	type 2 diabetes and/or CVD	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19371	15-24 years	Male	type 2 diabetes and/or CVD	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19372	25-34 years	Male	type 2 diabetes and/or CVD	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19373	35-44 years	Male	type 2 diabetes and/or CVD	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19374	45-54 years	Male	type 2 diabetes and/or CVD	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19375	55-64 years	Male	type 2 diabetes and/or CVD	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)
NKPI-19376	65 years and older	Male	type 2 diabetes and/or CVD	rfr-7 (eGFR \geq 15 but $<$ 45 and ACR \leq 300 OR eGFR \geq 45 but $<$ 60 and ACR $>$ 25 but \leq 300)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19412	0-14 years	Female	type 2 diabetes and/or CVD	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19413	15-24 years	Female	type 2 diabetes and/or CVD	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19414	25-34 years	Female	type 2 diabetes and/or CVD	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19415	35-44 years	Female	type 2 diabetes and/or CVD	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19416	45-54 years	Female	type 2 diabetes and/or CVD	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19417	55-64 years	Female	type 2 diabetes and/or CVD	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19418	65 years and older	Female	type 2 diabetes and/or CVD	rfr-8 (eGFR \geq 15 but $<$ 45 AND ACR \leq 300 OR, eGFR \geq 45 but $<$ 60 and ACR $>$ 35 but \leq 300)
NKPI-19377	0-14 years	Male	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19378	15-24 years	Male	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19379	25-34 years	Male	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19380	35-44 years	Male	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19381	45-54 years	Male	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19382	55-64 years	Male	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19383	65 years and older	Male	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19419	0-14 years	Female	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19420	15-24 years	Female	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19421	25-34 years	Female	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19422	35-44 years	Female	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19423	45-54 years	Female	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19424	55-64 years	Female	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19425	65 years and older	Female	type 2 diabetes and/or CVD	rfr-9 (eGFR $<$ 15 and/or ACR $>$ 300)
NKPI-19384	0-14 years	Male	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19385	15-24 years	Male	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19386	25-34 years	Male	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19387	35-44 years	Male	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19388	45-54 years	Male	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19389	55-64 years	Male	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19390	65 years and older	Male	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19426	0-14 years	Female	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19427	15-24 years	Female	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19428	25-34 years	Female	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19429	35-44 years	Female	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19430	45-54 years	Female	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19431	55-64 years	Female	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
NKPI-19432	65 years and older	Female	type 2 diabetes and/or CVD	rfr-10 (eGFR and/or ACR that doesn't allow risk to be calculated)
PI-19A: eGFR result (retired)				
NKPI-19001	15-24 years	Male	Type 2 diabetes	egfr-1 (>=90)
NKPI-19002	25-34 years	Male	Type 2 diabetes	egfr-1 (>=90)
NKPI-19003	35-44 years	Male	Type 2 diabetes	egfr-1 (>=90)
NKPI-19004	45-54 years	Male	Type 2 diabetes	egfr-1 (>=90)
NKPI-19005	55-64 years	Male	Type 2 diabetes	egfr-1 (>=90)
NKPI-19006	65 years and older	Male	Type 2 diabetes	egfr-1 (>=90)
NKPI-19007	15-24 years	Female	Type 2 diabetes	egfr-1 (>=90)
NKPI-19008	25-34 years	Female	Type 2 diabetes	egfr-1 (>=90)
NKPI-19009	35-44 years	Female	Type 2 diabetes	egfr-1 (>=90)
NKPI-19010	45-54 years	Female	Type 2 diabetes	egfr-1 (>=90)
NKPI-19011	55-64 years	Female	Type 2 diabetes	egfr-1 (>=90)
NKPI-19012	65 years and older	Female	Type 2 diabetes	egfr-1 (>=90)
NKPI-19013	15-24 years	Male	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19014	25-34 years	Male	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19015	35-44 years	Male	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19016	45-54 years	Male	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19017	55-64 years	Male	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19018	65 years and older	Male	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19019	15-24 years	Female	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19020	25-34 years	Female	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19021	35-44 years	Female	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19022	45-54 years	Female	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19023	55-64 years	Female	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19024	65 years and older	Female	Type 2 diabetes	egfr-2 (>=60 but <90)
NKPI-19025	15-24 years	Male	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19026	25-34 years	Male	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19027	35-44 years	Male	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19028	45-54 years	Male	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19029	55-64 years	Male	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19030	65 years and older	Male	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19031	15-24 years	Female	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19032	25-34 years	Female	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19033	35-44 years	Female	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19034	45-54 years	Female	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19035	55-64 years	Female	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19036	65 years and older	Female	Type 2 diabetes	egfr-3 (>=45 but <60)
NKPI-19037	15-24 years	Male	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19038	25-34 years	Male	Type 2 diabetes	egfr-4 (>=30 but <45)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19039	35-44 years	Male	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19040	45-54 years	Male	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19041	55-64 years	Male	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19042	65 years and older	Male	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19043	15-24 years	Female	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19044	25-34 years	Female	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19045	35-44 years	Female	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19046	45-54 years	Female	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19047	55-64 years	Female	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19048	65 years and older	Female	Type 2 diabetes	egfr-4 (>=30 but <45)
NKPI-19049	15-24 years	Male	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19050	25-34 years	Male	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19051	35-44 years	Male	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19052	45-54 years	Male	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19053	55-64 years	Male	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19054	65 years and older	Male	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19055	15-24 years	Female	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19056	25-34 years	Female	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19057	35-44 years	Female	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19058	45-54 years	Female	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19059	55-64 years	Female	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19060	65 years and older	Female	Type 2 diabetes	egfr-5 (>=15 but <30)
NKPI-19061	15-24 years	Male	Type 2 diabetes	egfr-6 (<15)
NKPI-19062	25-34 years	Male	Type 2 diabetes	egfr-6 (<15)
NKPI-19063	35-44 years	Male	Type 2 diabetes	egfr-6 (<15)
NKPI-19064	45-54 years	Male	Type 2 diabetes	egfr-6 (<15)
NKPI-19065	55-64 years	Male	Type 2 diabetes	egfr-6 (<15)
NKPI-19066	65 years and older	Male	Type 2 diabetes	egfr-6 (<15)
NKPI-19067	15-24 years	Female	Type 2 diabetes	egfr-6 (<15)
NKPI-19068	25-34 years	Female	Type 2 diabetes	egfr-6 (<15)
NKPI-19069	35-44 years	Female	Type 2 diabetes	egfr-6 (<15)
NKPI-19070	45-54 years	Female	Type 2 diabetes	egfr-6 (<15)
NKPI-19071	55-64 years	Female	Type 2 diabetes	egfr-6 (<15)
NKPI-19072	65 years and older	Female	Type 2 diabetes	egfr-6 (<15)
NKPI-19073	15-24 years	Male	cardiovascular disease	egfr-1 (>=90)
NKPI-19074	25-34 years	Male	cardiovascular disease	egfr-1 (>=90)
NKPI-19075	35-44 years	Male	cardiovascular disease	egfr-1 (>=90)
NKPI-19076	45-54 years	Male	cardiovascular disease	egfr-1 (>=90)
NKPI-19077	55-64 years	Male	cardiovascular disease	egfr-1 (>=90)
NKPI-19078	65 years and older	Male	cardiovascular disease	egfr-1 (>=90)
NKPI-19079	15-24 years	Female	cardiovascular disease	egfr-1 (>=90)
NKPI-19080	25-34 years	Female	cardiovascular disease	egfr-1 (>=90)
NKPI-19081	35-44 years	Female	cardiovascular disease	egfr-1 (>=90)
NKPI-19082	45-54 years	Female	cardiovascular disease	egfr-1 (>=90)
NKPI-19083	55-64 years	Female	cardiovascular disease	egfr-1 (>=90)
NKPI-19084	65 years and older	Female	cardiovascular disease	egfr-1 (>=90)
NKPI-19085	15-24 years	Male	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19086	25-34 years	Male	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19087	35-44 years	Male	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19088	45-54 years	Male	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19089	55-64 years	Male	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19090	65 years and older	Male	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19091	15-24 years	Female	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19092	25-34 years	Female	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19093	35-44 years	Female	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19094	45-54 years	Female	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19095	55-64 years	Female	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19096	65 years and older	Female	cardiovascular disease	egfr-2 (>=60 but <90)
NKPI-19097	15-24 years	Male	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19098	25-34 years	Male	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19099	35-44 years	Male	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19100	45-54 years	Male	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19101	55-64 years	Male	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19102	65 years and older	Male	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19103	15-24 years	Female	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19104	25-34 years	Female	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19105	35-44 years	Female	cardiovascular disease	egfr-3 (>=45 but <60)
NKPI-19106	45-54 years	Female	cardiovascular disease	egfr-3 (>=45 but <60)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19107	55-64 years	Female	cardiovascular disease	egfr-3 (≥ 45 but < 60)
NKPI-19108	65 years and older	Female	cardiovascular disease	egfr-3 (≥ 45 but < 60)
NKPI-19109	15-24 years	Male	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19110	25-34 years	Male	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19111	35-44 years	Male	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19112	45-54 years	Male	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19113	55-64 years	Male	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19114	65 years and older	Male	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19115	15-24 years	Female	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19116	25-34 years	Female	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19117	35-44 years	Female	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19118	45-54 years	Female	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19119	55-64 years	Female	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19120	65 years and older	Female	cardiovascular disease	egfr-4 (≥ 30 but < 45)
NKPI-19121	15-24 years	Male	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19122	25-34 years	Male	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19123	35-44 years	Male	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19124	45-54 years	Male	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19125	55-64 years	Male	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19126	65 years and older	Male	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19127	15-24 years	Female	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19128	25-34 years	Female	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19129	35-44 years	Female	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19130	45-54 years	Female	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19131	55-64 years	Female	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19132	65 years and older	Female	cardiovascular disease	egfr-5 (≥ 15 but < 30)
NKPI-19133	15-24 years	Male	cardiovascular disease	egfr-6 (< 15)
NKPI-19134	25-34 years	Male	cardiovascular disease	egfr-6 (< 15)
NKPI-19135	35-44 years	Male	cardiovascular disease	egfr-6 (< 15)
NKPI-19136	45-54 years	Male	cardiovascular disease	egfr-6 (< 15)
NKPI-19137	55-64 years	Male	cardiovascular disease	egfr-6 (< 15)
NKPI-19138	65 years and older	Male	cardiovascular disease	egfr-6 (< 15)
NKPI-19139	15-24 years	Female	cardiovascular disease	egfr-6 (< 15)
NKPI-19140	25-34 years	Female	cardiovascular disease	egfr-6 (< 15)
NKPI-19141	35-44 years	Female	cardiovascular disease	egfr-6 (< 15)
NKPI-19142	45-54 years	Female	cardiovascular disease	egfr-6 (< 15)
NKPI-19143	55-64 years	Female	cardiovascular disease	egfr-6 (< 15)
NKPI-19144	65 years and older	Female	cardiovascular disease	egfr-6 (< 15)
PI19-B: ACR result (retired)				
NKPI-19145	15-24 years	Male	Type 2 diabetes	uacr-3 (< 2.5)
NKPI-19146	25-34 years	Male	Type 2 diabetes	uacr-3 (< 2.5)
NKPI-19147	35-44 years	Male	Type 2 diabetes	uacr-3 (< 2.5)
NKPI-19148	45-54 years	Male	Type 2 diabetes	uacr-3 (< 2.5)
NKPI-19149	55-64 years	Male	Type 2 diabetes	uacr-3 (< 2.5)
NKPI-19150	65 years and older	Male	Type 2 diabetes	uacr-3 (< 2.5)
NKPI-19151	15-24 years	Female	Type 2 diabetes	uacr-6 (< 3.5)
NKPI-19152	25-34 years	Female	Type 2 diabetes	uacr-6 (< 3.5)
NKPI-19153	35-44 years	Female	Type 2 diabetes	uacr-6 (< 3.5)
NKPI-19154	45-54 years	Female	Type 2 diabetes	uacr-6 (< 3.5)
NKPI-19155	55-64 years	Female	Type 2 diabetes	uacr-6 (< 3.5)
NKPI-19156	65 years and older	Female	Type 2 diabetes	uacr-6 (< 3.5)
NKPI-19157	15-24 years	Male	Type 2 diabetes	uacr-4 (≥ 2.5 to ≤ 25.0)
NKPI-19158	25-34 years	Male	Type 2 diabetes	uacr-4 (≥ 2.5 to ≤ 25.0)
NKPI-19159	35-44 years	Male	Type 2 diabetes	uacr-4 (≥ 2.5 to ≤ 25.0)
NKPI-19160	45-54 years	Male	Type 2 diabetes	uacr-4 (≥ 2.5 to ≤ 25.0)
NKPI-19161	55-64 years	Male	Type 2 diabetes	uacr-4 (≥ 2.5 to ≤ 25.0)
NKPI-19162	65 years and older	Male	Type 2 diabetes	uacr-4 (≥ 2.5 to ≤ 25.0)
NKPI-19163	15-24 years	Female	Type 2 diabetes	uacr-7 (≥ 3.5 to ≤ 35.0)
NKPI-19164	25-34 years	Female	Type 2 diabetes	uacr-7 (≥ 3.5 to ≤ 35.0)
NKPI-19165	35-44 years	Female	Type 2 diabetes	uacr-7 (≥ 3.5 to ≤ 35.0)
NKPI-19166	45-54 years	Female	Type 2 diabetes	uacr-7 (≥ 3.5 to ≤ 35.0)
NKPI-19167	55-64 years	Female	Type 2 diabetes	uacr-7 (≥ 3.5 to ≤ 35.0)
NKPI-19168	65 years and older	Female	Type 2 diabetes	uacr-7 (≥ 3.5 to ≤ 35.0)
NKPI-19169	15-24 years	Male	Type 2 diabetes	uacr-5 (> 25.0)
NKPI-19170	25-34 years	Male	Type 2 diabetes	uacr-5 (> 25.0)
NKPI-19171	35-44 years	Male	Type 2 diabetes	uacr-5 (> 25.0)
NKPI-19172	45-54 years	Male	Type 2 diabetes	uacr-5 (> 25.0)
NKPI-19173	55-64 years	Male	Type 2 diabetes	uacr-5 (> 25.0)

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-19174	65 years and older	Male	Type 2 diabetes	uacr-5 (>25.0)
NKPI-19175	15-24 years	Female	Type 2 diabetes	uacr-8 (>35.0)
NKPI-19176	25-34 years	Female	Type 2 diabetes	uacr-8 (>35.0)
NKPI-19177	35-44 years	Female	Type 2 diabetes	uacr-8 (>35.0)
NKPI-19178	45-54 years	Female	Type 2 diabetes	uacr-8 (>35.0)
NKPI-19179	55-64 years	Female	Type 2 diabetes	uacr-8 (>35.0)
NKPI-19180	65 years and older	Female	Type 2 diabetes	uacr-8 (>35.0)
PI20: CVD risk assessment factors				
NKPI-20001	35-44 years	Male		
NKPI-20002	45-54 years	Male		
NKPI-20003	55-64 years	Male		
NKPI-20004	65-74 years	Male		
NKPI-20005	35-44 years	Female		
NKPI-20006	45-54 years	Female		
NKPI-20007	55-64 years	Female		
NKPI-20008	65-74 years	Female		
PI21: CVD risk assessment result				
NKPI-21001	35-44 years	Male	ar-1 (>15%)	
NKPI-21002	45-54 years	Male	ar-1 (>15%)	
NKPI-21003	55-64 years	Male	ar-1 (>15%)	
NKPI-21004	65-74 years	Male	ar-1 (>15%)	
NKPI-21005	35-44 years	Female	ar-1 (>15%)	
NKPI-21006	45-54 years	Female	ar-1 (>15%)	
NKPI-21007	55-64 years	Female	ar-1 (>15%)	
NKPI-21008	65-74 years	Female	ar-1 (>15%)	
NKPI-21009	35-44 years	Male	ar-2 (10-15%)	
NKPI-21010	45-54 years	Male	ar-2 (10-15%)	
NKPI-21011	55-64 years	Male	ar-2 (10-15%)	
NKPI-21012	65-74 years	Male	ar-2 (10-15%)	
NKPI-21013	35-44 years	Female	ar-2 (10-15%)	
NKPI-21014	45-54 years	Female	ar-2 (10-15%)	
NKPI-21015	55-64 years	Female	ar-2 (10-15%)	
NKPI-21016	65-74 years	Female	ar-2 (10-15%)	
NKPI-21017	35-44 years	Male	ar-3 (<10%)	
NKPI-21018	45-54 years	Male	ar-3 (<10%)	
NKPI-21019	55-64 years	Male	ar-3 (<10%)	
NKPI-21020	65-74 years	Male	ar-3 (<10%)	
NKPI-21021	35-44 years	Female	ar-3 (<10%)	
NKPI-21022	45-54 years	Female	ar-3 (<10%)	
NKPI-21023	55-64 years	Female	ar-3 (<10%)	
NKPI-21024	65-74 years	Female	ar-3 (<10%)	
PI22: Female clients who have had a cervical screening (HPV) test				
NKPI-22016	25-34 years			
NKPI-22017	35-44 years			
NKPI-22018	45-54 years			
NKPI-22019	55-64 years			
NKPI-22024	65-74 years			
PI23: Blood Pressure recorded				
NKPI-23001	0-4 years	Male		
NKPI-23002	5-14 years	Male		
NKPI-23003	15-24 years	Male		
NKPI-23004	25-34 years	Male		
NKPI-23005	35-44 years	Male		
NKPI-23006	45-54 years	Male		
NKPI-23007	55-64 years	Male		
NKPI-23008	65 years and older	Male		
NKPI-23009	0-4 years	Female		
NKPI-23010	5-14 years	Female		
NKPI-23011	15-24 years	Female		
NKPI-23012	25-34 years	Female		
NKPI-23013	35-44 years	Female		
NKPI-23014	45-54 years	Female		
NKPI-23015	55-64 years	Female		
NKPI-23016	65 years and older	Female		
PI24: Blood Pressure result				
NKPI-24001	0-4 years	Male		
NKPI-24002	5-14 years	Male		
NKPI-24003	15-24 years	Male		

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3	Disaggregation Option 4
NKPI-24004	25-34 years	Male		
NKPI-24005	35-44 years	Male		
NKPI-24006	45-54 years	Male		
NKPI-24007	55-64 years	Male		
NKPI-24008	65 years and older	Male		
NKPI-24009	0-4 years	Female		
NKPI-24010	5-14 years	Female		
NKPI-24011	15-24 years	Female		
NKPI-24012	25-34 years	Female		
NKPI-24013	35-44 years	Female		
NKPI-24014	45-54 years	Female		
NKPI-24015	55-64 years	Female		
NKPI-24016	65 years and older	Female		
Total number of clients				
NKPI-00001	without gender or age recorded			
NKPI-00002	with gender recorded but not age recorded			
NKPI-00003	with age recorded but not gender recorded			
NKPI-00004	with both gender and age recorded			

Online Services Report

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3
OSR-CS1a-0001	Aboriginal and Torres Strait Islander	Male	
OSR-CS1a-0002	Non-Aboriginal and Torres Strait Islander	Male	
OSR-CS1a-0003	Aboriginal and Torres Strait Islander status not recorded	Male	
OSR-CS1a-0004	Aboriginal and Torres Strait Islander	Female	
OSR-CS1a-0005	Non-Aboriginal and Torres Strait Islander	Female	
OSR-CS1a-0006	Aboriginal and Torres Strait Islander status not recorded	Female	
OSR-CS1a-0007	Aboriginal and Torres Strait Islander	Other or not stated	
OSR-CS1a-0008	Non-Aboriginal and Torres Strait Islander	Other or not stated	
OSR-CS1a-0009	Aboriginal and Torres Strait Islander status not recorded	Other or not stated	
OSR-CS2-0001	Aboriginal and Torres Strait Islander Health Workers	Aboriginal and Torres Strait Islander	Male
OSR-CS2-0002	Aboriginal and Torres Strait Islander Health Workers	Non-Aboriginal and Torres Strait Islander	Male
OSR-CS2-0003	Aboriginal and Torres Strait Islander Health Workers	Aboriginal and Torres Strait Islander status not recorded	Male
OSR-CS2-0004	Aboriginal and Torres Strait Islander Health Workers	Aboriginal and Torres Strait Islander	Female
OSR-CS2-0005	Aboriginal and Torres Strait Islander Health Workers	Non-Aboriginal and Torres Strait Islander	Female
OSR-CS2-0006	Aboriginal and Torres Strait Islander Health Workers	Aboriginal and Torres Strait Islander status not recorded	Female
OSR-CS2-0007	Aboriginal and Torres Strait Islander Health Workers	Aboriginal and Torres Strait Islander	Other or not stated
OSR-CS2-0008	Aboriginal and Torres Strait Islander Health Workers	Non-Aboriginal and Torres Strait Islander	Other or not stated
OSR-CS2-0009	Aboriginal and Torres Strait Islander Health Workers	Aboriginal and Torres Strait Islander status not recorded	Other or not stated
OSR-CS2-0010 to 0018	Aboriginal and Torres Strait Islander Health Practitioners	As above	As above
OSR-CS2-0019 to 0027	Doctor – General Practitioner	As above	As above
OSR-CS2-0028 to 0036	Nurses	As above	As above
OSR-CS2-0037 to 0045	Midwives	As above	As above
OSR-CS2-0046 to 0054	Substance misuse / drug and alcohol worker	As above	As above
OSR-CS2-0055 to 0063	Tobacco worker / co-ordinator	As above	As above
OSR-CS2-0064 to 0072	Dentists / dental therapists	As above	As above

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3
OSR-CS2-0073 to 0081	Dental support (eg, dental assistant / dental technician)	As above	As above
OSR-CS2-0082 to 0090	Sexual health worker	As above	As above
OSR-CS2-0091 to 0099	Traditional healer	As above	As above
OSR-CS2-0100 to 0108	Other health / clinical staff	As above	As above
OSR-CS2-0109 to 0117	Transport (health professionals who do not work for the service)	As above	As above
OSR-CS2-0118 to 0126	Transport (health professionals who work for the service)	As above	As above
OSR-CS2-0127 to 0135	Paediatrician	As above	As above
OSR-CS2-0136 to 0144	Endocrinologist	As above	As above
OSR-CS2-0145 to 0153	Ophthalmologist	As above	As above
OSR-CS2-0154 to 0162	Obstetrician / Gynaecologist	As above	As above
OSR-CS2-0163 to 0171	Ear, Nose and Throat Specialist	As above	As above
OSR-CS2-0172 to 0180	Cardiologist	As above	As above
OSR-CS2-0181 to 0189	Renal Medicine Specialist	As above	As above
OSR-CS2-0190 to 0198	Psychiatrist / Psychiatric Registrar	As above	As above
OSR-CS2-0199 to 0207	Dermatologist	As above	As above
OSR-CS2-0208 to 0216	Surgeon	As above	As above
OSR-CS2-0217 to 0225	Specialist other or not specified	As above	As above
OCR-CS2-0226 to 0234	Psychologists	As above	As above
OCR-CS2-0235 to 0243	Counsellors	As above	As above
OCR-CS2-0244 to 0252	Social Workers	As above	As above
OCR-CS2-0253 to 0261	Welfare Workers	As above	As above
OCR-CS2-0262 to 0270	Social and Emotional Wellbeing (SEWB) staff: Link Up caseworkers	As above	As above
OCR-CS2-0271 to 0279	SEWB staff other or not specified	As above	As above
OCR-CS2-0280 to 0288	Audiologist / Audiometrists	As above	As above
OCR-CS2-0289 to 0297	Diabetes Educators	As above	As above
OCR-CS2-0298 to 0306	Dieticians	As above	As above
OCR-CS2-0307 to 0315	Optometrists	As above	As above
OCR-CS2-0316 to 0324	Pharmacists	As above	As above
OCR-CS2-0325 to 0333	Physiotherapists	As above	As above
OCR-CS2-0334 to 0342	Podiatrists	As above	As above
OCR-CS2-0343 to 0351	Speech Pathologists	As above	As above
OCR-CS2-0352 to 0360	Allied health other or not specified	As above	As above
CS3a – Individual clients seen			
OSR-CS3a-0010	Aboriginal and Torres Strait Islander	Male	0-4 years
OSR-CS3a-0011	Aboriginal and Torres Strait Islander	Male	5-9 years
OSR-CS3a-0012	Aboriginal and Torres Strait Islander	Male	10-14 years
OSR-CS3a-0013	Aboriginal and Torres Strait Islander	Male	15-19 years
OSR-CS3a-0014	Aboriginal and Torres Strait Islander	Male	20-24 years
OSR-CS3a-0015	Aboriginal and Torres Strait Islander	Male	25-29 years
OSR-CS3a-0016	Aboriginal and Torres Strait Islander	Male	30-34 years
OSR-CS3a-0017	Aboriginal and Torres Strait Islander	Male	35-39 years
OSR-CS3a-0018	Aboriginal and Torres Strait Islander	Male	40-44 years
OSR-CS3a-0019	Aboriginal and Torres Strait Islander	Male	45-49 years
OSR-CS3a-0020	Aboriginal and Torres Strait Islander	Male	50-54 years
OSR-CS3a-0021	Aboriginal and Torres Strait Islander	Male	55-59 years
OSR-CS3a-0022	Aboriginal and Torres Strait Islander	Male	60-64 years
OSR-CS3a-0023	Aboriginal and Torres Strait Islander	Male	65 years and older
OSR-CS3a-0024	Aboriginal and Torres Strait Islander	Female	0-4 years
OSR-CS3a-0025	Aboriginal and Torres Strait Islander	Female	5-9 years
OSR-CS3a-0026	Aboriginal and Torres Strait Islander	Female	10-14 years
OSR-CS3a-0027	Aboriginal and Torres Strait Islander	Female	15-19 years
OSR-CS3a-0028	Aboriginal and Torres Strait Islander	Female	20-24 years
OSR-CS3a-0029	Aboriginal and Torres Strait Islander	Female	25-29 years
OSR-CS3a-0030	Aboriginal and Torres Strait Islander	Female	30-34 years
OSR-CS3a-0031	Aboriginal and Torres Strait Islander	Female	35-39 years
OSR-CS3a-0032	Aboriginal and Torres Strait Islander	Female	40-44 years
OSR-CS3a-0033	Aboriginal and Torres Strait Islander	Female	45-49 years
OSR-CS3a-0034	Aboriginal and Torres Strait Islander	Female	50-54 years
OSR-CS3a-0035	Aboriginal and Torres Strait Islander	Female	55-59 years
OSR-CS3a-0036	Aboriginal and Torres Strait Islander	Female	60-64 years
OSR-CS3a-0037	Aboriginal and Torres Strait Islander	Female	65 years and older
OSR-CS3a-0038	Aboriginal and Torres Strait Islander	Unknown	0-4 years
OSR-CS3a-0039	Aboriginal and Torres Strait Islander	Unknown	5-9 years
OSR-CS3a-0040	Aboriginal and Torres Strait Islander	Unknown	10-14 years

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3
OSR-CS3a-0041	Aboriginal and Torres Strait Islander	Unknown	15-19 years
OSR-CS3a-0042	Aboriginal and Torres Strait Islander	Unknown	20-24 years
OSR-CS3a-0043	Aboriginal and Torres Strait Islander	Unknown	25-29 years
OSR-CS3a-0044	Aboriginal and Torres Strait Islander	Unknown	30-34 years
OSR-CS3a-0045	Aboriginal and Torres Strait Islander	Unknown	35-39 years
OSR-CS3a-0046	Aboriginal and Torres Strait Islander	Unknown	40-44 years
OSR-CS3a-0047	Aboriginal and Torres Strait Islander	Unknown	45-49 years
OSR-CS3a-0048	Aboriginal and Torres Strait Islander	Unknown	50-54 years
OSR-CS3a-0049	Aboriginal and Torres Strait Islander	Unknown	55-59 years
OSR-CS3a-0050	Aboriginal and Torres Strait Islander	Unknown	60-64 years
OSR-CS3a-0051	Aboriginal and Torres Strait Islander	Unknown	65 years and older
OSR-CS3a-0052	Non-Aboriginal and Torres Strait Islander	Male	0-4 years
OSR-CS3a-0053	Non-Aboriginal and Torres Strait Islander	Male	5-9 years
OSR-CS3a-0054	Non-Aboriginal and Torres Strait Islander	Male	10-14 years
OSR-CS3a-0055	Non-Aboriginal and Torres Strait Islander	Male	15-19 years
OSR-CS3a-0056	Non-Aboriginal and Torres Strait Islander	Male	20-24 years
OSR-CS3a-0057	Non-Aboriginal and Torres Strait Islander	Male	25-29 years
OSR-CS3a-0058	Non-Aboriginal and Torres Strait Islander	Male	30-34 years
OSR-CS3a-0059	Non-Aboriginal and Torres Strait Islander	Male	35-39 years
OSR-CS3a-0060	Non-Aboriginal and Torres Strait Islander	Male	40-44 years
OSR-CS3a-0061	Non-Aboriginal and Torres Strait Islander	Male	45-49 years
OSR-CS3a-0062	Non-Aboriginal and Torres Strait Islander	Male	50-54 years
OSR-CS3a-0063	Non-Aboriginal and Torres Strait Islander	Male	55-59 years
OSR-CS3a-0064	Non-Aboriginal and Torres Strait Islander	Male	60-64 years
OSR-CS3a-0065	Non-Aboriginal and Torres Strait Islander	Male	65 years and older
OSR-CS3a-0066	Non-Aboriginal and Torres Strait Islander	Female	0-4 years
OSR-CS3a-0067	Non-Aboriginal and Torres Strait Islander	Female	5-9 years
OSR-CS3a-0068	Non-Aboriginal and Torres Strait Islander	Female	10-14 years
OSR-CS3a-0069	Non-Aboriginal and Torres Strait Islander	Female	15-19 years
OSR-CS3a-0070	Non-Aboriginal and Torres Strait Islander	Female	20-24 years
OSR-CS3a-0071	Non-Aboriginal and Torres Strait Islander	Female	25-29 years
OSR-CS3a-0072	Non-Aboriginal and Torres Strait Islander	Female	30-34 years
OSR-CS3a-0073	Non-Aboriginal and Torres Strait Islander	Female	35-39 years
OSR-CS3a-0074	Non-Aboriginal and Torres Strait Islander	Female	40-44 years
OSR-CS3a-0075	Non-Aboriginal and Torres Strait Islander	Female	45-49 years
OSR-CS3a-0076	Non-Aboriginal and Torres Strait Islander	Female	50-54 years
OSR-CS3a-0077	Non-Aboriginal and Torres Strait Islander	Female	55-59 years
OSR-CS3a-0078	Non-Aboriginal and Torres Strait Islander	Female	60-64 years
OSR-CS3a-0079	Non-Aboriginal and Torres Strait Islander	Female	65 years and older
OSR-CS3a-0080	Non-Aboriginal and Torres Strait Islander	Unknown	0-4 years
OSR-CS3a-0081	Non-Aboriginal and Torres Strait Islander	Unknown	5-9 years
OSR-CS3a-0082	Non-Aboriginal and Torres Strait Islander	Unknown	10-14 years
OSR-CS3a-0083	Non-Aboriginal and Torres Strait Islander	Unknown	15-19 years
OSR-CS3a-0084	Non-Aboriginal and Torres Strait Islander	Unknown	20-24 years
OSR-CS3a-0085	Non-Aboriginal and Torres Strait Islander	Unknown	25-29 years
OSR-CS3a-0086	Non-Aboriginal and Torres Strait Islander	Unknown	30-34 years
OSR-CS3a-0087	Non-Aboriginal and Torres Strait Islander	Unknown	35-39 years
OSR-CS3a-0088	Non-Aboriginal and Torres Strait Islander	Unknown	40-44 years
OSR-CS3a-0089	Non-Aboriginal and Torres Strait Islander	Unknown	45-49 years
OSR-CS3a-0090	Non-Aboriginal and Torres Strait Islander	Unknown	50-54 years
OSR-CS3a-0091	Non-Aboriginal and Torres Strait Islander	Unknown	55-59 years
OSR-CS3a-0092	Non-Aboriginal and Torres Strait Islander	Unknown	60-64 years
OSR-CS3a-0093	Non-Aboriginal and Torres Strait Islander	Unknown	65 years and older
OSR-CS3a-0094	Aboriginal and Torres Strait Islander status unknown	Male	0-4 years
OSR-CS3a-0095	Aboriginal and Torres Strait Islander status unknown	Male	5-9 years
OSR-CS3a-0096	Aboriginal and Torres Strait Islander status unknown	Male	10-14 years
OSR-CS3a-0097	Aboriginal and Torres Strait Islander status unknown	Male	15-19 years
OSR-CS3a-0098	Aboriginal and Torres Strait Islander status unknown	Male	20-24 years
OSR-CS3a-0099	Aboriginal and Torres Strait Islander status unknown	Male	25-29 years
OSR-CS3a-0100	Aboriginal and Torres Strait Islander status unknown	Male	30-34 years
OSR-CS3a-0101	Aboriginal and Torres Strait Islander status unknown	Male	35-39 years
OSR-CS3a-0102	Aboriginal and Torres Strait Islander status unknown	Male	40-44 years
OSR-CS3a-0103	Aboriginal and Torres Strait Islander status unknown	Male	45-49 years
OSR-CS3a-0104	Aboriginal and Torres Strait Islander status unknown	Male	50-54 years
OSR-CS3a-0105	Aboriginal and Torres Strait Islander status unknown	Male	55-59 years
OSR-CS3a-0106	Aboriginal and Torres Strait Islander status unknown	Male	60-64 years
OSR-CS3a-0107	Aboriginal and Torres Strait Islander status unknown	Male	65 years and older
OSR-CS3a-0108	Aboriginal and Torres Strait Islander status unknown	Female	0-4 years

Measure Code	Disaggregation Option 1	Disaggregation Option 2	Disaggregation Option 3
OSR-CS3a-0109	Aboriginal and Torres Strait Islander status unknown	Female	5-9 years
OSR-CS3a-0110	Aboriginal and Torres Strait Islander status unknown	Female	10-14 years
OSR-CS3a-0111	Aboriginal and Torres Strait Islander status unknown	Female	15-19 years
OSR-CS3a-0112	Aboriginal and Torres Strait Islander status unknown	Female	20-24 years
OSR-CS3a-0113	Aboriginal and Torres Strait Islander status unknown	Female	25-29 years
OSR-CS3a-0114	Aboriginal and Torres Strait Islander status unknown	Female	30-34 years
OSR-CS3a-0115	Aboriginal and Torres Strait Islander status unknown	Female	35-39 years
OSR-CS3a-0116	Aboriginal and Torres Strait Islander status unknown	Female	40-44 years
OSR-CS3a-0117	Aboriginal and Torres Strait Islander status unknown	Female	45-49 years
OSR-CS3a-0118	Aboriginal and Torres Strait Islander status unknown	Female	50-54 years
OSR-CS3a-0119	Aboriginal and Torres Strait Islander status unknown	Female	55-59 years
OSR-CS3a-0120	Aboriginal and Torres Strait Islander status unknown	Female	60-64 years
OSR-CS3a-0121	Aboriginal and Torres Strait Islander status unknown	Female	65 years and older
OSR-CS3a-0122	Aboriginal and Torres Strait Islander status unknown	Unknown	0-4 years
OSR-CS3a-0123	Aboriginal and Torres Strait Islander status unknown	Unknown	5-9 years
OSR-CS3a-0124	Aboriginal and Torres Strait Islander status unknown	Unknown	10-14 years
OSR-CS3a-0125	Aboriginal and Torres Strait Islander status unknown	Unknown	15-19 years
OSR-CS3a-0126	Aboriginal and Torres Strait Islander status unknown	Unknown	20-24 years
OSR-CS3a-0127	Aboriginal and Torres Strait Islander status unknown	Unknown	25-29 years
OSR-CS3a-0128	Aboriginal and Torres Strait Islander status unknown	Unknown	30-34 years
OSR-CS3a-0129	Aboriginal and Torres Strait Islander status unknown	Unknown	35-39 years
OSR-CS3a-0130	Aboriginal and Torres Strait Islander status unknown	Unknown	40-44 years
OSR-CS3a-0131	Aboriginal and Torres Strait Islander status unknown	Unknown	45-49 years
OSR-CS3a-0132	Aboriginal and Torres Strait Islander status unknown	Unknown	50-54 years
OSR-CS3a-0133	Aboriginal and Torres Strait Islander status unknown	Unknown	55-59 years
OSR-CS3a-0134	Aboriginal and Torres Strait Islander status unknown	Unknown	60-64 years
OSR-CS3a-0135	Aboriginal and Torres Strait Islander status unknown	Unknown	65 years and older
CS4 – Clinical activities			
OSR-CS4-0001	MBS rebateable (item 715) Aboriginal and Torres Strait Islander adult health checks (for clients aged 25 years and over)	Aboriginal and Torres Strait Islander	
OSR-CS4-0002	Alternative Aboriginal and Torres Strait Islander adult health checks (for clients aged 25 years and over)	Aboriginal and Torres Strait Islander	
OSR-CS4-0003	MBS rebateable (item 721) GP chronic disease management plans	Aboriginal and Torres Strait Islander	
OSR-CS4-0004	Alternative chronic disease management plans	Aboriginal and Torres Strait Islander	
OSR-CS4-0005	MBS rebateable (item 715) Aboriginal and Torres Strait Islander adult health checks (for clients aged 25 years and over)	Non-Aboriginal and Torres Strait Islander	
OSR-CS4-0006	Alternative Aboriginal and Torres Strait Islander adult health checks (for clients aged 25 years and over)	Non-Aboriginal and Torres Strait Islander	
OSR-CS4-0007	MBS rebateable (item 721) GP chronic disease management plans	Non-Aboriginal and Torres Strait Islander	
OSR-CS4-0008	Alternative chronic disease management plans	Non-Aboriginal and Torres Strait Islander	
OSR-CS4-0009	MBS rebateable (item 715) Aboriginal and Torres Strait Islander adult health checks (for clients aged 25 years and over)	Aboriginal and Torres Strait Islander status not recorded	
OSR-CS4-0010	Alternative Aboriginal and Torres Strait Islander adult health checks (for clients aged 25 years and over)	Aboriginal and Torres Strait Islander status not recorded	
OSR-CS4-0011	MBS rebateable (item 721) GP chronic disease management plans	Aboriginal and Torres Strait Islander status not recorded	
OSR-CS4-0012	Alternative chronic disease management plans	Aboriginal and Torres Strait Islander status not recorded	

APPENDIX B – HEALTH PROVIDER ROLES BY CIS

Health provider role classifications included in four major Australian CISs as of July 2021.

Role Classification for reporting	Best Practice	Communicare	Medical Director	MMEx
General Staff				
ATSI health worker	<ul style="list-style-type: none"> Aboriginal health worker 	<ul style="list-style-type: none"> Aboriginal and TSI health worker Aboriginal family health worker 	<ul style="list-style-type: none"> Aboriginal health worker 	<ul style="list-style-type: none"> Aboriginal Health Worker
ATSI health practitioner	<ul style="list-style-type: none"> Aboriginal and Torres Strait Islander Health Practitioner 	<ul style="list-style-type: none"> Aboriginal and TSI health practitioner 	<ul style="list-style-type: none"> ATSI health practitioner 	<ul style="list-style-type: none"> ATSI Health Practitioner
Doctor – general practitioner	<ul style="list-style-type: none"> Principal doctor Employee doctor 	<ul style="list-style-type: none"> General medical practitioner 	<ul style="list-style-type: none"> Doctor 	<ul style="list-style-type: none"> GP
Nurse practitioner	<ul style="list-style-type: none"> Practice nurse Nurse practitioner Child and Maternal Nurse 	<ul style="list-style-type: none"> Child health nurse Enrolled nurse Mothercraft nurse Nurse educator Nurse manager Nurse practitioner Nurse researcher Registered nurse Registered nurse (dev't disability) Registered nurse (mental health) 	<ul style="list-style-type: none"> Registered nurse Enrolled nurse Nurse practitioner 	<ul style="list-style-type: none"> Nurse
Midwives	<ul style="list-style-type: none"> Midwife 	<ul style="list-style-type: none"> Midwife 	<ul style="list-style-type: none"> Midwife 	<ul style="list-style-type: none"> Midwifery
Substance misuse / drug and alcohol worker	<ul style="list-style-type: none"> Drug and Alcohol Worker 	<ul style="list-style-type: none"> Drug and alcohol counsellor Substance misuse worker 	<ul style="list-style-type: none"> AOD worker Drug and alcohol 	<ul style="list-style-type: none"> Drug and Alcohol Worker
Tobacco worker / co-ordinator	<ul style="list-style-type: none"> Tobacco Worker 	<ul style="list-style-type: none"> Smoking cessation coordinator Smoking cessation officer 	<ul style="list-style-type: none"> Tobacco worker / coordinator 	<ul style="list-style-type: none"> Tobacco Worker
Dentists / dental therapists	<ul style="list-style-type: none"> Dentist 	<ul style="list-style-type: none"> Dental hygienist Dental specialist Dental therapist Dentist 	<ul style="list-style-type: none"> Dentist Dental therapist 	<ul style="list-style-type: none"> Dentist
Dental support (eg, dental assistant / dental technician)	<ul style="list-style-type: none"> Dental prosthetist 	<ul style="list-style-type: none"> Dental – technician or prosthetist Dental assistant Dental prosthetist Dental technician 		<ul style="list-style-type: none"> Dental Support
Sexual health worker	<ul style="list-style-type: none"> Sexual Health Worker 	<ul style="list-style-type: none"> Sexual health worker 	<ul style="list-style-type: none"> Sex health worker 	<ul style="list-style-type: none"> Sexual Health Worker
Traditional healer	<ul style="list-style-type: none"> Traditional Healer 	<ul style="list-style-type: none"> Traditional healer 		<ul style="list-style-type: none"> Traditional Healer
Other health / clinical staff	<ul style="list-style-type: none"> Practice manager Office manager Senior receptionist Receptionist Junior receptionist Guest Medical student 	<ul style="list-style-type: none"> Aboriginal liaison officer Aboriginal community support worker Assistant in nursing Ambulance officer Child care worker Clerical / administrative worker Clinical allergist Community / family representative Community services worker Day care worker Dermal clinician Epidemiologist 	<ul style="list-style-type: none"> Dispensing assistant Practice manager Receptionist Finance officer Medical student CKD 	<ul style="list-style-type: none"> Other Health / Clinical Staff

Role Classification for reporting	Best Practice	Communicare	Medical Director	MMEEx
		<ul style="list-style-type: none"> • Health practice manager • Home help worker • Hospital scientist • Interpreter/translator • Meals/food services worker • Medical receptionist • Other profession/discipline • Pharmacy technician • Phlebotomist • Physician's assistant • Sonographer • Technician • Therapist's assistant • Therapy aide • Voluntary worker • Health information manager • Health promotion officer • Medical intern • Medical practitioner in training • Recreation worker • Registered paramedic • Resident medical officer 		
Transport – work for service		<ul style="list-style-type: none"> • Transport worker 		<ul style="list-style-type: none"> • Transport (Working for Service)
Transport – do not work for service				<ul style="list-style-type: none"> • Transport (Not Working for Service)
Medical specialists				
Paediatrician		<ul style="list-style-type: none"> • Paediatrician 	<ul style="list-style-type: none"> • Paediatrician 	<ul style="list-style-type: none"> • Paediatrics
Endocrinologist		<ul style="list-style-type: none"> • Endocrinologist 	<ul style="list-style-type: none"> • Endocrinologist 	<ul style="list-style-type: none"> • Endocrinologist
Ophthalmologist		<ul style="list-style-type: none"> • Ophthalmologist 	<ul style="list-style-type: none"> • Ophthalmologist 	<ul style="list-style-type: none"> • Ophthalmology
Obstetrician / Gynaecologist		<ul style="list-style-type: none"> • Obstetrician and Gynaecologist 	<ul style="list-style-type: none"> • Obstetrician 	<ul style="list-style-type: none"> • Obstetrician / Gynaecologist
Ear nose and throat specialist		<ul style="list-style-type: none"> • Ear, nose and throat specialist • Otorhinolaryngologist 	<ul style="list-style-type: none"> • ENT 	<ul style="list-style-type: none"> • ENT
Cardiologist		<ul style="list-style-type: none"> • Cardiologist 	<ul style="list-style-type: none"> • Cardiologist 	<ul style="list-style-type: none"> • Cardiologist
Renal medical specialist		<ul style="list-style-type: none"> • Renal medicine specialist 	<ul style="list-style-type: none"> • Renal 	<ul style="list-style-type: none"> • Nephrologist
Psychiatrist/psychiatric registrar		<ul style="list-style-type: none"> • Psychiatrist 	<ul style="list-style-type: none"> • Psychiatrist 	<ul style="list-style-type: none"> • Psychiatrist
Dermatologist		<ul style="list-style-type: none"> • Dermatologist 	<ul style="list-style-type: none"> • Dermatologist 	<ul style="list-style-type: none"> • Dermatology
Surgeon		<ul style="list-style-type: none"> • Surgeon 	<ul style="list-style-type: none"> • Surgeon 	<ul style="list-style-type: none"> • Surgeon
Specialist other or not specified		<ul style="list-style-type: none"> • Anaesthetist • Cardiothoracic surgeon • Clinical cytopathologist • Clinical haematologist • Clinical pharmacologist • Emergency medicine specialist • Gastroenterologist • Geriatrician • Gynaecological oncologist • Immunologist • Intensive care anaesthetist • Intensive care medical specialist 		<ul style="list-style-type: none"> • Specialist

Role Classification for reporting	Best Practice	Communicare	Medical Director	MMEEx
		<ul style="list-style-type: none"> • Medical diagnostic radiographer • Medical oncologist • Nephrologist • Neurologist • Neurosurgeon • Nuclear medicine technologist • Oral and maxillofacial surgeon • Orthopaedic surgeon • Orthoptist • Palliative care physician • Pathologist • Plastic and reconstructive surgeon • Public health physician • Radiation oncologist • Radiologist • Radiotherapist • Respiratory physician • Rheumatologist • Specialist medical practitioner • Specialist physician • Surgeon • Urologist • Vascular surgeon • Veterinarian • Infectious disease specialist 		
Social and Emotional Wellbeing / Counsellors				
Psychologist	<ul style="list-style-type: none"> • Psychologist 	<ul style="list-style-type: none"> • Psychologist • Clinical psychologist • Neuropsychologist 	<ul style="list-style-type: none"> • Psychologist 	<ul style="list-style-type: none"> • Psychologist
Counsellor	<ul style="list-style-type: none"> • Counsellor 	<ul style="list-style-type: none"> • Bth counsellor • Counsellor 	<ul style="list-style-type: none"> • Counsellor 	<ul style="list-style-type: none"> • Counsellor
Social worker	<ul style="list-style-type: none"> • Social worker 	<ul style="list-style-type: none"> • Social worker 	<ul style="list-style-type: none"> • Social worker 	<ul style="list-style-type: none"> • Social Worker
Welfare worker	<ul style="list-style-type: none"> • Welfare Worker 	Welfare worker	<ul style="list-style-type: none"> • Welfare Worker 	<ul style="list-style-type: none"> • Welfare Worker
SEWB staff – link up caseworker			<ul style="list-style-type: none"> • SEWB (LinkUp caseworkers) 	<ul style="list-style-type: none"> • SEWB staff –Link up caseworker
SEWB staff other or not specified	<ul style="list-style-type: none"> • SEWB Staff 	<ul style="list-style-type: none"> • Aboriginal mental health worker • Emotional and social wellbeing staff • Psychotherapist • Team. Psychogeriatric assess team (PGAT) • Youth worker 	<ul style="list-style-type: none"> • Mental health • Mental health nurse 	<ul style="list-style-type: none"> • SEWB Staff Other / Not Specified
Allied Health Professionals				
Audiologist/ audiometrist	<ul style="list-style-type: none"> • Audiologist 	<ul style="list-style-type: none"> • Audiologist 	<ul style="list-style-type: none"> • Audiologist 	<ul style="list-style-type: none"> • Audiology
Diabetes educator	<ul style="list-style-type: none"> • Diabetes educator 	<ul style="list-style-type: none"> • Diabetes educator 	<ul style="list-style-type: none"> • Diabetes educator • Diabetic educator 	<ul style="list-style-type: none"> • Diabetes Educator
Dietician	<ul style="list-style-type: none"> • Dietitian 	<ul style="list-style-type: none"> • Dietitian 	<ul style="list-style-type: none"> • Dietician 	<ul style="list-style-type: none"> • Dietetics
Optometrist	<ul style="list-style-type: none"> • Optometrist 	<ul style="list-style-type: none"> • Optometrist 	<ul style="list-style-type: none"> • Optometrist 	<ul style="list-style-type: none"> • Optometry
Pharmacist	<ul style="list-style-type: none"> • Clinical pharmacist 	<ul style="list-style-type: none"> • Pharmacist 	<ul style="list-style-type: none"> • Pharmacist 	<ul style="list-style-type: none"> • Pharmacist
Physiotherapist	<ul style="list-style-type: none"> • Physiotherapist 	<ul style="list-style-type: none"> • Physiotherapist • Cardiothoracic physiotherapist • Respiratory physiotherapist 	<ul style="list-style-type: none"> • Physiotherapist 	<ul style="list-style-type: none"> • Physiotherapist
Podiatrist	<ul style="list-style-type: none"> • Podiatrist 	<ul style="list-style-type: none"> • Podiatrist 	<ul style="list-style-type: none"> • Podiatrist 	<ul style="list-style-type: none"> • Podiatrist

Role Classification for reporting	Best Practice	Communicare	Medical Director	MMEEx
Speech pathologist	<ul style="list-style-type: none"> • Speech pathologist 	<ul style="list-style-type: none"> • Speech pathologist 	<ul style="list-style-type: none"> • Speech pathologist 	<ul style="list-style-type: none"> • Speech Therapy
Allied health other or not specified	<ul style="list-style-type: none"> • Occupational therapist • Exercise physiologist • Radiographer • Chiropractor • Osteopath • Massage therapist • Orthoptist 	<ul style="list-style-type: none"> • Acupuncturist • Allied health aide • Alternative therapist • Asthma educator • Attendant carer • Chiropractor • Community paramedical • Dermal Clinician • Disability services worker • Environmental health officer • Exercise physiologist • Eye health coordinator • Health diagnosis/treatment Practitioner • Home care worker • Homoeopath • Massage therapist • Music therapist • Natural therapy professional • Naturopath • Occupational therapist • Orthotic prosthetist • Orthotist • Osteopath • Personal care assistant • Physiologist • Psychotherapist • Rehabilitation aide • Speech therapist • Team. Aged care assessment team (ACAT) • Team. Multi-disciplinary team • Cardiac educator • Chronic care coordinator 	<ul style="list-style-type: none"> • Occupational therapist • Respiratory educator • Respiratory physician 	<ul style="list-style-type: none"> • Allied Health

APPENDIX C – RETIRED OR SUSPENDED INDICATORS

NKPI – PI04: Indigenous children who are fully Immunised	
	<p>NOTE: THIS INDICATOR IS CURRENTLY SUSPENDED - IT WILL NOT BE VISIBLE TO HEALTH SERVICES IN THE HEALTH DATA PORTAL FROM JUNE 2021 ONWARDS - NO CHANGE REQUIRED TO CIS REPORTS</p> <p>(May be revived in the future as and when the AIR can provide a data feed to clinical information systems)</p>
Full name	PI04: Proportion of Indigenous children who are fully immunised
Description	<p>Proportion of children who are clients aged:</p> <ul style="list-style-type: none"> • 12 months to less than 24 months • 24 months to less than 36 months • 60 months to less than 72 months, <p>who are 'fully immunised'</p>
Measure type	Percentage
Numerator	The number of children who are regular clients, aged [Disaggregation: Age] , who are 'fully immunised'
Denominator	The number of children who are regular clients, aged [Disaggregation: Age]
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> • 12 months to less than 24 months • 24 months to less than 36 months • 60 months to less than 72 months
Disaggregation points	Three (3) measures are derived from this assessment
Measure Code/s	NKPI-04001 to 04003
Counting rules	<p>A child aged '12 months to less than 24 months' is counted as fully immunised if they have received vaccinations ascribed to the 12 month milestone</p> <p>A child aged '24 months to less than 36 months' is counted as fully immunised if they have received vaccinations ascribed to the 24 month milestone</p> <p>A child aged '60 months to less than 72 months' is counted as fully immunised if they have received vaccinations ascribed to the 60 month milestone</p>
Notes	<p>'Fully immunised' – is determined in accordance with the National Immunisation Program Schedule. The childhood vaccinations essential to be considered 'fully immunised' include:</p> <ul style="list-style-type: none"> • DTPa (diphtheria, tetanus, pertussis) • HiB (haemophilus influenza type B) • Polio • Hep B (hepatitis B) and • MMR (measles, mumps, rubella)

	<p>A child is considered 'fully immunised' if they have received the following vaccinations by the specified age milestones:</p> <ul style="list-style-type: none"> • At 12 months: <ul style="list-style-type: none"> ○ 3 doses DTPa ○ 3 doses Polio ○ 2 or 3 doses HiB ○ 2 or 3 doses Hep B • At 24 months: <ul style="list-style-type: none"> ○ 3 doses DTPa ○ 3 doses Polio ○ 3 or 4 doses HiB ○ 3 doses Hep B ○ 1 dose MMR • At 60 months: <ul style="list-style-type: none"> ○ 4 doses DTPa ○ 4 doses Polio ○ 2 doses MMR
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/717279

NKPI – PI08: Team Care Arrangement claimed (Retired as of Dec 2020)	
	NOTE: THIS INDICATOR IS RETIRED - IT IS NOT VISIBLE TO HEALTH SERVICES IN THE HEALTH DATA PORTAL FROM DECEMBER 2020 ONWARDS - NO CHANGE REQUIRED TO CIS REPORTS
Full name	PI08: Proportion of regular clients with a chronic disease for whom a Team Care Arrangement (MBS Item 723) was claimed
Description	<p>Proportion of clients with:</p> <ul style="list-style-type: none"> • Type 2 diabetes, OR • cardiovascular disease, OR • chronic obstructive pulmonary disease, OR • chronic kidney disease, <p>for whom a Team Care Arrangement (MBS Item 723) was claimed within the previous 24 months</p> <p>At this stage, this indicator is only calculated for Type 2 diabetes as currently this is the only relevant chronic disease type with an agreed national definition</p>
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] for whom a Team Care Arrangement (MBS Item 723) was claimed within the previous 24 months
Denominator	The number of [Disaggregation: Gender] clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age]
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - 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 <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female <p>Chronic disease:</p> <ul style="list-style-type: none"> - Type 2 diabetes - Cardiovascular disease - Chronic obstructive pulmonary disease - Chronic kidney disease
Disaggregation points	Sixty-four (64) measures are derived from this assessment
Measure Code/s	NKPI-08001 to 08064
Counting rules	Nil
Notes	<p>'Claimed' – refers to claims or invoices prepared for presentation to Medicare for reimbursement (regardless of whether these are actually reimbursed by Medicare)</p> <p>'Type 2 diabetes' – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, impaired fasting glucose, and impaired glucose tolerance</p>

	Note: at this stage, this indicator is only calculated for Type 2 diabetes as currently this is the only relevant chronic disease type with an agreed national definition
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/717298

NKPI – P115: Clients with Type 2 diabetes or COPD who are immunised against influenza	
	NOTE: THIS INDICATOR IS RETIRED - IT IS NOT VISIBLE TO HEALTH SERVICES IN THE HEALTH DATA PORTAL FROM DECEMBER 2021 ONWARDS - NO CHANGE REQUIRED TO CIS REPORTS
Full name	P115: Proportion of regular clients with Type 2 diabetes or chronic obstructive pulmonary disease (COPD) who are immunised against influenza
Description	Proportion of regular clients who are Indigenous, aged 15 to 49, are recorded as having Type 2 diabetes or chronic obstructive pulmonary disease (COPD) and are immunised against influenza
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] who have received an influenza vaccination within the previous 12 months
Denominator	The number of [Disaggregation: Gender] regular clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age]
Disaggregation	Age: <ul style="list-style-type: none"> - 15–24 years - 25–34 years - 35–44 years - 45–49 years Gender: <ul style="list-style-type: none"> - Male - Female Chronic disease: <ul style="list-style-type: none"> - Type 2 diabetes - chronic obstructive pulmonary disease
Disaggregation points	Sixteen (16) measures are derived from this assessment
Measure Code/s	NKPI-15001 to 15016
Counting rules	Nil
Notes	'Type 2 diabetes' – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/717326

NKPI – PI19-A: eGFR result	
Full name	<p>PI19-A: Proportion of regular clients with a selected chronic disease who have had a kidney function test (eGFR) with results within specified levels</p> <p>NOTE: From December 2021 PI19-A and PI19-B have been amalgamated to a single new indicator to PI-19. As such PI19-A or PI19-B will not be tested in December 2021.</p>
Description	<p>Proportion of clients with:</p> <ul style="list-style-type: none"> • Type 2 diabetes, OR • cardiovascular disease, <p>who have had an estimated glomerular filtration rate (eGFR) recorded within the previous 12 months with a result of (ml/min/1.73m2):</p> <ul style="list-style-type: none"> • greater than or equal to 90, OR • greater than or equal to 60 but less than 90, OR • greater than or equal to 45 but less than 60, OR • greater than or equal to 30 but less than 45, OR • greater than or equal to 15 but less than 30, OR • less than 15
Measure type	Percentage
Numerator	The number of [Disaggregation: Gender] clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] whose most recent eGFR result, recorded within the previous 12 months, was [Disaggregation: Result]
Denominator	The number of [Disaggregation: Gender] clients with [Disaggregation: Chronic disease] aged [Disaggregation: Age] who have had an eGFR result recorded within the previous 12 months
Disaggregation	<p>Age:</p> <ul style="list-style-type: none"> - 15–24 years - 25–34 years - 35–44 years - 45–54 years - 55–64 years - 65 years and older <p>Gender:</p> <ul style="list-style-type: none"> - Male - Female <p>Chronic disease:</p> <ul style="list-style-type: none"> - Type 2 diabetes - cardiovascular disease <p>Result:</p> <ul style="list-style-type: none"> - egfr-1 - egfr-2 - egfr-3 - egfr-4 - egfr-5 - egfr-6
Disaggregation points	One hundred and forty-four (144) measures are derived from this assessment
Measure Code/s	NKPI-19001 to 19144
Counting rules	Nil

Notes	'Type 2 diabetes' – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR	https://meteor.aihw.gov.au/content/index.phtml/itemId/717344

NKPI – PI19-B: ACR result	
Full name	PI19-B: Proportion of clients with a selected chronic disease who have had a kidney function test with results within specified levels NOTE: From December 2021 PI19-A and PI19-B have been amalgamated to a single new indicator to PI-19. As such PI19-A or PI19-B will not be tested in December 2021.
Description	Proportion of clients with: <ul style="list-style-type: none"> Type 2 diabetes who have had an estimated albumin / creatinine ratio (ACR) recorded within the previous 12 months with a result of (mg/mmol): <ul style="list-style-type: none"> less than 2.5 in males and 3.5 in females, OR greater than or equal to 2.5 in males and 3.5 in females, but less than or equal to 25 in males and 35 in females, OR greater than 25 in males and 35 in females
Measure type	Percentage
Numerator	Calculation A: The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] with [Disaggregation: Chronic disease] who have had an ACR result recorded within the previous 12 months, whose most recent ACR result was [Disaggregation: Result] Calculation B: The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] with [Disaggregation: Chronic disease] who have had an ACR result recorded within the previous 12 months, whose most recent ACR result was [Disaggregation: Result]
Denominator	Calculation A: The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] with [Disaggregation: Chronic disease] , who have had an ACR result recorded within the previous 12 months Calculation B: The number of [Disaggregation: Gender] clients aged [Disaggregation: Age] with [Disaggregation: Chronic disease] , who have had an ACR result recorded within the previous 12 months
Disaggregation	Age: <ul style="list-style-type: none"> 15–24 years 25–34 years 35–44 years 45–54 years 55–64 years 65 years and older Gender: <ul style="list-style-type: none"> Calculation A only <ul style="list-style-type: none"> Male Calculation B only <ul style="list-style-type: none"> Female Chronic disease: <ul style="list-style-type: none"> Type 2 diabetes

	<p>Result:</p> <p>Calculation A only</p> <ul style="list-style-type: none"> - uacr-3 - uacr-4 - uacr-5 <p>Calculation B only</p> <ul style="list-style-type: none"> - uacr-6 - uacr-7 - uacr-8
Disaggregation points	Thirty-six (36) measures are derived from this assessment
Measure Code/s	NKPI-19145 to 19180
Counting rules	Nil
Notes	<p>'Type 2 diabetes' – specifically excludes Type I diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, Impaired fasting glucose, and impaired glucose tolerance</p> <p>'ACR' – refers to an albumin/creatinine ratio, or other micro albumin urine test result</p>
Definition owner	Australian Institute of Health and Welfare (Indigenous primary health care data collection)
METeOR link	https://meteor.aihw.gov.au/content/index.phtml/itemId/717344

APPENDIX D – RESULT CODES

Result codes used for national key performance indicators (including retired indicators). These codes were initiated by the Improvement Foundation and have been updated by NPS MedicineWise as indicators have been revised.

Birthweight Result	
bw-1	Low (less than 2,500 grams)
bw-2	Normal (2,500 grams to less than 4,500 grams)
bw-3	High (4,500 grams and over)

HbA1c Result	
hr-1	Less than or equal to 7% ($\leq 7\%$)
hr-2	Greater than 7% but less than or equal to 8% ($>7\%$ but $\leq 8\%$)
hr-3	Greater than 8% but less than 10% ($>8\%$ but $<10\%$)
hr-4	Greater than or equal to 10% ($\geq 10\%$)

Body Mass Index (BMI) Result		
BMI-1	Overweight (BMI ≥ 25 AND <30)	
BMI-2	Obese (BMI ≥ 30)	
BMI-3	Other (BMI <25)	No longer in use
BMI-4	Normal (BMI ≥ 18.5 AND <25)	
BMI-5	Underweight (BMI <18.5)	
BMI-6	BMI not calculated	

Gestational age recorded	
ga-1	less than 11/40 weeks (<11 weeks)
ga-2	At or after 11/40 weeks and less than 14/40 weeks (≥ 11 but <14 weeks)
ga-3	At or after 14/40 weeks and less than 20/40 weeks (≥ 14 but <20 weeks)
ga-4	At or after 20/40 weeks (≥ 20 week)
ga-5	no gestational age recorded
ga-6	No antenatal visit recorded

AUDIT-C result	
ac-1	Greater than or equal to 4 (≥ 4)
ac-2	Less than <4
ac-3	Greater than or equal to 3 (≥ 3)
ac-4	Less than <3

Renal function test result	
rfr-1	eGFR ≥ 60 and ACR < 2.5
rfr-2	eGFR ≥ 60 and ACR < 3.5
rfr-3	eGFR ≥ 45 but < 60 and ACR < 2.5 OR, eGFR ≥ 60 and ACR ≥ 2.5 but ≤ 25
rfr-4	eGFR ≥ 45 but < 60 and ACR < 3.5 OR, eGFR ≥ 60 and ACR ≥ 3.5 but ≤ 35
rfr-5	eGFR ≥ 45 but < 60 and ACR ≥ 2.5 but ≤ 25 OR, eGFR ≥ 60 and ACR > 25 but ≤ 300
rfr-6	eGFR ≥ 45 but < 60 and ACR ≥ 3.5 but ≤ 35 OR, eGFR ≥ 60 and ACR > 35 but ≤ 300
rfr-7	eGFR ≥ 15 but < 45 and ACR ≤ 300 OR, eGFR ≥ 45 but < 60 and ACR > 25 but ≤ 300
rfr-8	eGFR ≥ 15 but < 45 and ACR ≤ 300 OR, eGFR ≥ 45 but < 60 and ACR > 35 but ≤ 300
rfr-9	eGFR < 15 and/or ACR > 300
rfr-10	eGFR and/or ACR that doesn't allow risk to be calculated

CVD risk assessment result	
ar-1	High: greater than 15% chance of a CV event in next 5 years (>15)
ar-2	Moderate: 10-15% chance of a CV event in the next 5 years (10-15)
ar-3	Low: less than 10% chance of a CV event in the next 5 years (<10)

eGFR result (not currently in use)	
eGFR-1	≥ 90 ml/min/1.73m ²
eGFR-2	≥ 60 but < 90 ml/min/1.73m ²
eGFR-3	≥ 45 but < 60 ml/min/1.73m ²
eGFR-4	≥ 30 but < 45 ml/min/1.73m ²
eGFR-5	≥ 15 but < 30 ml/min/1.73m ²
eGFR-6	< 15 ml/min/1.73m ²

Urinary Albumin and Albumin/Creatinine Ratio (Urinary ACR) (not currently in use)	
uacr-1	≤ 2.6 mg/mmol
uacr-2	≤ 3.6 mg/mmol
uacr-3	< 2.5 mg/mmol
uacr-4	≥ 2.5 but ≤ 25 mg/mmol
uacr-5	> 25 mg/mmol
uacr-6	< 3.5 mg/mmol
uacr-7	≥ 3.5 but ≤ 35 mg/mmol
uacr-8	> 35 mg/mmol

APPENDIX E – CONDITION CODING FRAMEWORK

The new Condition Coding Framework for the nKPIs will be implemented for the January 2022 reporting period.

1.1 Introduction

The Condition Coding Framework (the Framework) provides a flexible and sustainable model, reducing the need for frequent revision of condition coding, and future proofing the nKPIs as much as possible. The framework was established through consultation and expert advice to align with definitions in national guidelines.

The Framework includes coded condition terms and Global care plan names, relevant to the current nKPIs, for four CIS:

- ▷ Best Practice (Bp)
- ▷ Communicare
- ▷ Medical Director (MD)
- ▷ MMEx.

Each CIS has their own coding system and the formats and methods for producing nKPI results are specific to each. The Framework accommodates the different clinical taxonomies used by each of the four CIS.

The main method used by the vendors to inform conditions in the nKPI results is to use a diagnosis. The other method is to use specific 'Global care plans tagged to each nKPI'.

- ▷ Best Practice (Bp) – Pyefinch codes and terms.
- ▷ Communicare – a combination of ICPC and ICPC-2 PLUS codes and terms.
- ▷ Medical Director (MD) – Docle codes and terms
- ▷ MMEx – a Global care plan tagged to each nKPI. From 2021 onward it is anticipated that SNOMED-CT-AU codes and terms will be specified within each Global care plan as a list of valid conditions.

The Framework provides sufficient detail to enable a consistent condition definition across all CIS that aligns with agreed national definitions. The Framework contains a detailed list of included and excluded terms, by condition, specific to each vendor. The revised inclusion and exclusion criteria for each condition are also included.

The Framework does not provide an exhaustive list of codes. Rather it outlines included and excluded subgroups to enable vendors to apply new condition codes as they are implemented in the future.

Varying in complexity, the four conditions included in the Framework and relevant to the nKPIs are:

- ▷ [Type 2 diabetes](#)
- ▷ [Chronic kidney disease](#)
- ▷ [Chronic obstructive pulmonary disease](#)
- ▷ [Cardiovascular disease](#)

Each condition is summarised in a table format, so it is clear which codes and terms belong to which CIS. The tables include existing codes and terms (ie, what is currently implemented) and new codes and terms (ie, those currently not implemented). Excluded codes and terms that vendors need to remove (ie, 'wrongly' implemented prior to the release of The Framework) are also listed.

For ease of navigation each CIS is denoted in a different colour:

- ▷ Best Practice is pale green, and codes displayed below are Pyefinch codes.
- ▷ Communicare is peach and codes displayed are a combination of ICPC and IPCP-2 PLUS codes.
- ▷ Medical Director is blue, and codes displayed are Docle codes and terms.
- ▷ MMEx is pale yellow, and codes displayed are SNOMED-CT codes. Global care plan names are also listed.

Please note, in order to avoid confusion in this first release of The Framework, all clinical terms are presented in the original spelling and formats used by the vendors, directly from each vendor list, and have not been 'corrected'.

1.2 Type 2 diabetes

The following principles outline the inclusion and exclusion criteria for Type 2 diabetes:

- ▷ Clinical terms have been removed where they did not explicitly define Type 2 diabetes, eg, latent autoimmune diabetes and complicated diabetes.
- ▷ Diabetic retinopathy has been removed. It was agreed that inclusion of one diabetic complication would require inclusion of ALL diabetic complications. It was recommended that all diabetic complications be omitted.
- ▷ As Diabetes Mellitus is often used by general practitioners (GPs) when referring to Type 2 diabetes it has been included in the definition.
- ▷ Tables 1 and 2 respectively provide the Type 2 diabetes clinical coding definition and then a set of excluded terms.

Type 2 diabetes – INCLUDED TERMS

Table 1: Type 2 diabetes clinical coding definition

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
TYPE 2 DIABETES	TYPE 2 DIABETES	Best Practice	778	Diabetes Mellitus, NIDDM
			778	Diabetes Mellitus, Type 2
			778	NIDDM
			778	Non insulin dependent Diabetes Mellitus
			778	Type 2 Diabetes Mellitus
		Communicare	T90005	Diabetes non insulin depend
			T90007	Diabetes adult onset
			T90009	Diabetes Type 2
			T90016	Diabetes Type 2 insulin treated
		Medical Director	diabm@niddm	Diabetes Mellitus - NIDDM
			diabm@niddm	Diabetes Mellitus - Type II
			diabm@niddm	NIDDM
			diabm@niddm	NIDDM (Non Insulin dependent diabetes mellitus)
			diabm@niddm	Non insulin dependent diabetes mellitus
			diabm@niddm&rx%insu	Diabetes Type II requiring insulin
			diabm@niddm&rx%insu	NIDDM - requiring insulin
		MMEx	44054006	Diabetes mellitus type 2
			44054006	Diabetes mellitus type II
			44054006	T2DM - Type 2 diabetes mellitus
			44054006	Type 2 diabetes mellitus
			44054006	Type II diabetes mellitus
			Global care plan name	DIABETES - type 2
		UNSPECIFIED DIABETES	Best Practice	774
	Communicare		T90002	Diabetes mellitus
	Medical Director		diabm	Diabetes Mellitus

		MMEx	73211009	Diabetes mellitus
			Global care plan name	DIABETES

Type 2 diabetes – MMEx specific inclusions

The primary method used by MMEx to include a patient in a specific nKPI is to ‘tag’ a patient with nKPI Global Care plan. The correct clinical term and corresponding (mapped) Global care plan name for Type 2 Diabetes are shown in the table below.

Table 2: Terms to include Type 2 diabetes clinical coding definition

KPI CONDITION	CONDITION SUBGROUP	CLINICAL TERM	SNOMED CODE	GLOBAL CARE PLAN NAME
TYPE 2 DIABETES	TYPE 2 DIABETES	Diabetes mellitus type 2	44054006	DIABETES
		Diabetes mellitus type II		
		T2DM - Type 2 diabetes mellitus		
		Type 2 diabetes mellitus		
	Type II diabetes mellitus			
	UNSPECIFIED DIABETES	Diabetes mellitus	73211009	DIABETES

Type 2 diabetes – EXCLUDED TERMS

The following terms are excluded from the clinical coding definition of Type 2 diabetes:

- ▷ Latent autoimmune
- ▷ Diabetes complicated
- ▷ Diabetic retinopathy
- ▷ Unspecified diabetes

Table 3: Terms to exclude from Type 2 clinical coding definition

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
TYPE 2 DIABETES	COMPLICATION OF DIABETES	MMEx	Global care plan name	Diabetic Retinopathy (old)
	LATENT AUTOIMMUNE	Communicare	T90.17	Diabetes latent autoimmune
	UNSPECIFIED DIABETES	Communicare	T90.18	Diabetes complicated

Type 2 diabetes – MMEx specific exclusions

MMEx does not have any exclusions for Type 2 Diabetes.

1.3 Chronic kidney disease (CKD)

The following principles outline the inclusion and exclusion criteria for chronic kidney disease.

True 'chronic kidney disease' for the nKPIs is defined as starting from CKD Stage 3. This is consistent with the definition of CKD in Australian guidelines 'An estimated or measured glomerular filtration rate (GFR) <60 mL/min/1.73m² that is present for ≥3 months with or without evidence of kidney damage'.¹ This means Chronic Kidney Disease – Stage 1 and Chronic Kidney Disease – Stage 2 are excluded from the definition.

Chronic Kidney Disease (CKD) – INCLUDED TERMS

Tables 4 through to 6 outline the complete CKD clinical coding definition. Tables 8 to 10 provide the excluded terms.

Table 4: CKD 3 and 4 clinical coding definition

nKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)	
CHRONIC KIDNEY DISEASE (CKD)	CKD 3	Best Practice	7504	Chronic Kidney Disease Stage 3	
			8119	Chronic Kidney Disease Stage 3a	
			8120	Chronic Kidney Disease Stage 3b	
		Medical Director	crf:eval ctx:stag3		Chronic Kidney Disease Stage 3
					Chronic Kidney Disease Stage 3
					CKD (Chronic Kidney Disease) Stage 3
					Kidney Disease Chronic Stage 3
					Renal Disease Chronic Stage 3
		MMEx	Global care plan name		CKD Stage 3 (High Risk)
					CKD Stage 3 (Moderate Risk)
					CKD Stage 3 (Very High Risk)
			433144002	Chronic kidney disease stage 3	
			433144002	CKD stage 3	
		700378005	Chronic kidney disease stage 3A		
		700379002	Chronic kidney disease stage 3B		
		Communicare	U99037		Chronic kidney disease stage 3
					Disease kidney chronic stage 3
				U99043	Disease kidney chronic stage 3A
		U99044	Disease kidney chronic stage 3B		
	CKD 4	Best Practice	7505	Chronic Kidney Disease Stage 4	
		Medical Director	crf:eval ctx:stag4		Chronic Kidney Disease Stage 4
					Chronic Kidney Disease Stage 4
					CKD (Chronic Kidney Disease) Stage 4
					Kidney Disease Chronic Stage 4
					Renal Disease Chronic Stage 4
			Kidney Disease Chronic Stage 4		
		MMEx	Global care plan name		CKD Stage 4
431857002				Chronic kidney disease stage 5	
		431857002	CKD stage 4		
Communicare		U99038		Chronic kidney disease stage 4	
			Disease kidney chronic stage 4		

Table 5: CKD 5 and Dialysis clinical coding definition

nKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)	
CHRONIC KIDNEY DISEASE (CKD)	CKD 5	Best Practice	7506	Chronic Kidney Disease Stage 5	
		Medical Director	crf:eval ctx:stag5	Chronic Kidney Disease Stage 5	
			crf:eval ctx:stag5	Chronic Kidney Disease Stage 5	
			crf:eval ctx:stag5	CKD (Chronic Kidney Disease) Stage 5	
			crf:eval ctx:stag5	Kidney Disease Chronic Stage 5	
			crf:eval ctx:stag5	Renal Disease Chronic Stage 5	
		MMEx	433146000	Chronic kidney disease stage 5	
			433146000	CKD stage 5	
		Communicare	U99039	Chronic kidney disease stage 5	
			U99039	Disease kidney chronic stage 5	
		DIALYSIS	Best Practice	2853	Continuous Ambulatory Peritoneal Dialysis
				2853	Dialysis, peritoneal
	2853			Peritoneal dialysis	
	2882			Dialysis	
	2882			Haemodialysis	
	2882			Renal dialysis	
	Communicare		U59001	Dialysis; kidney (renal)	
			U59008	Haemodialysis	
	MMEx		Global care plan name	HD SATELLITE	
				HHD (Home Haemodialysis) Nursing Care	
				PD Nursing Care	
			71192002	Peritoneal dialysis	
				PD - Peritoneal dialysis	
			302497006	Haemodialysis	
				haemodialysis procedure	
				HD - Haemodialysis	
				Extracorporeal haemodialysis	
			265764009	Renal dialysis	
				Kidney dialysis	
				Artificial kidney dialysis	
	Continuous Ambulatory Peritoneal Dialysis				
	CAPD - Continuous ambulatory peritoneal dialysis				
714152005	Chronic kidney disease stage 5 on dialysis				
	Chronic kidney disease 5d				
	CKD (chronic kidney disease) stage 5d				

		Medical Director	ppoc@capd	CAPD (Continuous Ambulatory Peritoneal Dialysis)		
				Continuous Ambulatory Peritoneal Dialysis		
				Dialysis peritoneal		
				Peritoneal Dialysis		
					ppoc@dial@kidn	Dialysis haemodialysis
						Haemodialysis
						Hemodialysis
						Renal dialysis

Table 6: CKD Kidney transplant clinical coding definition

nKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CHRONIC KIDNEY DISEASE (CKD)	KIDNEY TRANSPLANT	Best Practice	3765	Kidney transplant
				Renal transplant
				Transplant, renal
		Communicare	U28001	Renal transplant
		MMEx	70536003	Kidney transplant
				Tx - Kidney transplantation
				Transplantation of kidney
				Transplant of kidney
		Medical Director	surg.kidn@transpla	Kidney transplant
				Renal transplant
				Surgery - Kidney transplant
				Transplant - kidney

Chronic Kidney Disease (CKD) – MMEEx specific inclusions

The primary method used by MMEEx to include a patient in a specific nKPI is to ‘tag’ a patient with nKPI Global Care plan. The correct clinical term and corresponding (mapped) Global care plan name for CKD are shown in the table below.

Table 7: CKD Kidney transplant clinical coding definition

NKPI CONDITION	CONDITION SUBGROUP	CLINICAL TERM	SNOMED CODE	GLOBAL CARE PLAN NAME	
CHRONIC KIDNEY DISEASE (CKD)	CKD 3	Chronic kidney disease stage 3	433144002	CKD Stage 3 (High Risk) OR CKD Stage 3 (Moderate Risk)	
		CKD stage 3			
		Chronic kidney disease stage 3A	700378005		
			Chronic kidney disease stage 3B	700379002	
	CKD 4	Chronic kidney disease stage 4	431857002	CKD Stage 4 - Very High Risk CKD	
		CKD stage 4			
	CKD 5	Chronic kidney disease stage 5	433146000	CKD Stage 5 - End-stage Renal Disease.	
		CKD stage 5	433146000		
	DIALYSIS	PD - Peritoneal dialysis	Peritoneal dialysis	71192002	PD Nursing Care
			CAPD - Continuous ambulatory peritoneal dialysis		
		Continuous Ambulatory Peritoneal Dialysis	238318009		
		Artificial kidney dialysis	Kidney dialysis	265764009	HD Satellite
			Renal dialysis		
		Extracorporeal haemodialysis	Haemodialysis	302497006	HD Satellite; or HHD Nursing Care
			haemodialysis procedure		
		HD - Haemodialysis			
		Chronic kidney disease 5d	Chronic kidney disease stage 5 on dialysis	714152005	CKD Stage 5 - End-stage Renal Disease.
			CKD (chronic kidney disease) stage 5d		
		TRANSPLANT	Kidney transplant	70536003	Renal Transplant
Tx - Kidney transplantation					
Transplantation of kidney					
Transplant of kidney					
Renal replacement	398887003				

Chronic Kidney Disease (CKD) – EXCLUDED TERMS

The definition of CKD has been clearly defined as starting from Stage 3 and as such the following terms are excluded from the clinical coding definition of CKD:

- ▷ Chronic Kidney Disease – Stage 1
- ▷ Chronic Kidney Disease – Stage 2
- ▷ Nephropathy
- ▷ Terms that describe structural renal impairment eg, Polycystic kidney or Renal stenosis
- ▷ Terms that do not describe a 'chronic' kidney disease eg, CKD Risk, Nephritis, Acute renal failure, Renal impairment
- ▷ Chronic Kidney Disease – where there is no specification as to the stage or is unspecified.

Table 8: Terms to exclude from CKD clinical coding definition – ARF, CKD1, CKD2

nKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM		
CHRONIC KIDNEY DISEASE (CKD)	ACUTE RENAL FAILURE	Medical Director	arf	Kidney failure acute		
				Renal insufficiency acute		
			cirr@arf	Cirrhosis with acute renal failure		
	CKD 1	Best Practice	7502		Chronic Kidney Disease Stage 1	
				Communicare	U99.35	Chronic kidney disease stage 1
			Disease kidney chronic stage 1			
		Medical Director	crf:eval ctx:stag1		Chronic Kidney Disease Stage 1	
					CKD (Chronic Kidney Disease) Stage 1	
					Kidney Disease Chronic Stage 1	
					Renal Disease Chronic Stage 1	
					Chronic Kidney Disease Stage 1	
		CKD 2	Best Practice	7503		Chronic Kidney Disease Stage 2
					Communicare	U99.36
			Disease kidney chronic stage 2			
	Medical Director		crf:eval ctx:stag2		Chronic Kidney Disease Stage 2	
					Chronic Kidney Disease Stage 2	
					CKD (Chronic Kidney Disease) Stage 2	
			Kidney Disease Chronic Stage 2			
		Renal Disease Chronic Stage 2				

Table 9: Terms to exclude from CKD clinical coding definition – CKD unspecified, Kidney disease unspecified

nKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CHRONIC KIDNEY DISEASE (CKD)	CKD UNSPECIFIED	Best Practice	662	Chronic Kidney Disease
		Communicare	U99.34	Chronic kidney disease
				Disease kidney chronic
		Best Practice	662	Chronic renal failure
				Kidney failure chronic
				Renal failure chronic
		Communicare	U99.23	Chronic renal failure
				Failure renal chronic
		Medical Director	crf	Chronic Renal Failure
				Chronic Renal Failure
				Kidney failure chronic
				Renal insufficiency chronic
	Chronic Renal Failure Hyperparathyroidism			
	renaf	Kidney failure		
	KIDNEY DISEASE UNSPECIFIED	Communicare	U85.01	Polycystic kidney
			U88.01	Nephropathy
			U88.02	Nephrosis
			U88.03	Nephrotic syndrome
			U88.04	Nephritis
			U88.08	Glomerulonephritis chronic
			U88.10	Nephropathy analgesic
			U88.11	Nephropathy diabetic
			U88.12	Nephrosclerosis
U88.40		Glomerulonephritis		
Medical Director		glomn@prolifer	Glomerulonephritis Proliferative	
	glomn<strec	Glomerulonephritis Post streptococcal		
	neph	Nephrotic syndrome		
	pck@adul	Polycystic kidney adult		

Table 10: Terms to exclude from CKD clinical coding definition – Renal artery stenosis, renal failure, renal impairment

nKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)	
CHRONIC KIDNEY DISEASE (CKD)	RENAL ARTERY STENOSIS	Medical Director	stenrenaa	Renal artery stenosis	
			stenrenaa	Stenosis Renal artery	
	RENAL FAILURE UNSPECIFIED	Communicare	U99.06	Necrosis renal	
			U99.16	Uraemia	
			U99.24	Necrosis renal papillary	
			U99.30	Failure renal	
			U99.31	Renal failure NOS	
		Medical Director	cirr@arf	Hepatorenal syndrome	
				Renal failure due to cirrhosis	
			renaf	Renal failure	
		renaf	Uraemia		
	RENAL IMPAIRMENT UNSPECIFIED	Communicare	U99.22	Insufficiency renal	
			U99.22	Renal insufficiency	
			U99.32	Impairment renal	
			U99.32	Renal Impairment	
		Medical Director	impa@rena		Impairment Renal
					Kidney Impairment
					Renal Damage
				Renal Impairment	
	nephp@diabm	Diabetic Nephropathy			
	pck@adul	Adult polycystic kidney			

Chronic Kidney Disease (CKD) – MMEEx specific exclusions

The primary method used by MMEEx to include a patient in a specific nKPI is to ‘tag’ a patient with nKPI Global Care plan. The clinical terms and corresponding (mapped) Global care plan name for CKD that should no longer be used are shown in the table below.

Table 11: CKD MMEEx specific exclusions

nKPI CONDITION	CONDITION SUBGROUP	CLINICAL TERM	SNOMED CODE	GLOBAL CARE PLAN NAME
CHRONIC KIDNEY DISEASE (CKD)	CKD RISK	CKD Risk - Macroalbuminuria	SNOMED code does not exist	Macroalbuminuria (High Risk CKD)
		CKD Risk - Microalbuminuria		Microalbuminuria (Moderate Risk CKD)

1.4 Chronic obstructive pulmonary disease (COPD)

The COPD definition is defined as including terms relating to

- ▷ Chronic bronchitis
- ▷ COPD
- ▷ Emphysema

COPD – INCLUDED TERMS

Tables 12 and 13 provide the COPD clinical coding definition. Tables 13 and 14 is a list of excluded terms.

Table 12: COPD clinical coding definition – Chronic bronchitis, COPD, Emphysema

nKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)	CHRONIC BRONCHITIS	Best Practice	598	Bronchitis chronic
				Chronic bronchitis
		Communicare	R79002	Bronchiolitis chronic
			R79003	Bronchitis chronic
		Medical Director	bronchit@chro	Bronchitis Chronic
	MMEEx	63480004	Chronic Bronchitis	
	COPD	Best Practice	598	Chronic Obstructive Airways Disease
				Chronic Obstructive Pulmonary Disease
				COAD
				COPD
		Communicare	R95001	Chronic obstr airways disease
			R95002	Chronic obstr pulmon disease
			R95004	Chronic obstr lung disease
			R95008	Chronic airways limitation
			R95009	Chronic airways disease
		Medical Director	coad	CAL (Chronic Airways Limitation)
				Chronic Airways Limitation
				Chronic Bronchitis
				Chronic Obstructive Airways Disease
				Chronic Obstructive Pulmonary Disease
				COAD
	COAD (Chronic Obstructive Airways Disease)			
	COPD (Chronic Obstructive Pulmonary Disease)			
MMEEx	Global care plan name	COPD		
EMPHYSEMA	Best Practice	598	Emphysema	
	Communicare	R95006	Emphysema	

		Medical Director	emph	Emphysema
		MMEEx	87433001	Emphysema of lung
				Pulmonary emphysema

COPD – MMEEx specific inclusions – Mapping table

The primary method used by MMEEx to include a patient in a specific nKPI is to ‘tag’ a patient with nKPI Global Care plan. The correct clinical term and corresponding (mapped) Global care plan name for CKD are shown in the table below.

Table 13: COPD clinical coding definition – Chronic bronchitis, COPD, Emphysema

NKPI CONDITION	CONDITION SUBGROUP	CLINICAL TERM	SNOMED CODE	GLOBAL CARE PLAN
CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)	CHRONIC BRONCHITIS	Chronic Bronchitis	63480004	CHRONIC BRONCHITIS
	EMPHYSEMA	Emphysema of lung	87433001	COPD OR EMPHYSEMA
		Pulmonary emphysema	87433001	
	COPD	COPD	13645005	COPD

COPD – EXCLUDED TERMS

The COPD definition does not include terms relating to

- ▷ Infective or acute exacerbations
- ▷ Nonspecific respiratory
- ▷ Emphysema

Table 14: Terms to exclude from COPD clinical coding definition – chronic bronchitis, infective exacerbations, smoker’s lung, tracheitis

nKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)	
CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)	ACUTE EXACERBATION	Best Practice	7869	Acute exacerbation of COPD	
	EMPHYSEMA	Medical Director	emph/infe	Emphysema Infective exacerbation	
		INFECTIVE EXACERBATION	Best Practice	929	COAD Infective exacerbation
	COPD Infective exacerbation				
	Infective exacerbation of COAD				
	Infective exacerbation of COPD				
	RESPIRATORY	MMEX	Global care plan name	bronchit@chro/infe	Chronic Bronchitis Infective exacerbation
				coad/infe	COAD Infective exacerbation
				coad/infe	COPD Infective exacerbation
					RESPIRATORY-CHRONIC/RECURRENT

	SMOKER'S LUNG	Communicare	R79.01	Smokers lung
	TRACHEITIS		R79.04	Tracheitis chronic

COPD – MMEEx specific exclusions – Mapping table

The primary method used by MMEEx to include a patient in a specific nKPI is to 'tag' a patient with nKPI Global Care plan. The clinical terms and corresponding (mapped) Global care plan name for COPD that should no longer be used are shown in the table below.

Table 15: MMEEx specific exclusions

NKPI CONDITION	CLINICAL TERM	SNOMED CODE	GLOBAL CARE PLAN NAME
CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)	N/A	N/A	RESPIRATORY- CHRONIC/RECURRENT

1.5 Cardiovascular disease (CVD)

The definition of CVD aligns with definitions by AIHW, RACHP/NACCHO and the Heart Foundation, which all focus on atherosclerotic heart disease.

Terms that relate to other forms of heart disease and not 'atherosclerotic' heart disease, eg, cardiomyopathy, rheumatic heart disease, congenital heart conditions, heart failure etc. are excluded.

CVD subgroups were created to handle the vast number of terms contained within this chronic condition. The following subgroups are included in this definition:

- ▷ Acute coronary syndrome
- ▷ Angina
- ▷ Cardiovascular disease
- ▷ Cardiovascular surgery
- ▷ Carotid artery stenosis
- ▷ Cerebrovascular disease
- ▷ Cerebrovascular disease – CVA
- ▷ Cerebrovascular disease – TIA
- ▷ Cerebrovascular haemorrhage
- ▷ Coronary heart disease
- ▷ Myocardial infarction
- ▷ Peripheral vascular disease
- ▷ Renal artery stenosis
- ▷ CHD care plan (*provided it refers to coronary heart disease*).

Cardiovascular Disease (CVD) – INCLUDED TERMS

Tables 15 through 21 provide lists of the CVD clinical coding definition. Tables 21 through to 27 provide a list of excluded subgroups and terms.

Table 16: CVD Clinical coding definition – Acute coronary syndrome/Angina

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	ACUTE CORONARY SYNDROME (ACS)/ANGINA	Best Practice	226	Angina Angina pectoris
			228	Acute Coronary insufficiency
				Angina unstable
				Preinfarction syndrome
				Unstable Angina
		Communicare	K74001	Angina pectoris
			K74002	Pain angina
			K74004	Unstable angina
			K74006	Insufficiency coronary
			K74007	IHD with angina
			K74008	Acute coronary syndrome Acute coronary syndrome
		Medical Director	angip	Angina Angina pectoris
			angip@unst	Acute coronary insufficiency
				Angina pectoris - unstable
				Preinfarction syndrome
				Unstable Angina
			angip@unst:high@risk	Unstable Angina - High risk
			angip@unst:low@risk	Unstable Angina - Low risk
			angip@unst:moderate@risk	Unstable Angina - Moderate risk
			occl@coroa:acut	ACS (acute coronary syndrome)
				Acute coronary syndrome
		Acute Coronary Syndrome (ACS)		
		MMEx	4557003	Intermediate coronary syndrome
				Preinfarction angina
				Preinfarction syndrome
				Pre-infarction syndrome
				Unstable angina
			194828000	Worsening angina
				Angina
				Angina pectoris
				Anginal syndrome
				AP - Angina pectoris
				Cardiac angina
				Ischaemic heart disease - angina
			Stenocardia [synonym of Angina]	
			394659003	ACS - Acute coronary syndrome
				Acute coronary syndrome
		194823009	Acute coronary insufficiency	

Table 17: CVD clinical coding definition – Myocardial infarction

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	MYOCARDIAL INFARCTION	Best Practice	2376	Acute Myocardial infarction
				AMI
				Heart Attack
				MI
			2377	Myocardial infarction
				Anterior Myocardial infarct
			2378	Myocardial infarction, Anterior
				Anterolateral Myocardial infarct
			2379	Myocardial infarction, Anterolateral
				Inferior Myocardial infarction
			2380	Myocardial infarction, inferior
				Myocardial infarction, posterior
			2381	Posterior Myocardial infarct
				Myocardial infarction, subendocardial
				Subendocardial infarct
			2382	Subendocardial Myocardial infarct
				Myocardial infarction, superior
			4610	Superior Myocardial infarct
				Silent infarct
		6103	Post myocardial infarction syndrome	
			Myocardial infarction, Non STEMI	
		6847	Non ST elevation Myocardial infarction	
			NSTEMI	
			Myocardial infarction, STEMI	
			ST elevation Myocardial infarction	
			STEMI	
Communicare	K75001	Infarction heart		
	K75002	Infarction myocardial acute		
	K75010	Infarction impending		
	K75011	Postmyocardial infarct syndrome		
	K75013	Infarction myocardial		
	K75014	Heart attack		
	K75015	Myocardial infarction STEMI		
	K75016	Myocardial infarction non STEMI		
	K76006	Infarction myocardial healed		
Infarction myocardial old				

Table 17.1: CVD clinical coding definition – Myocardial infarction continued

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	MYOCARDIAL INFARCTION	Medical Director	myoci	Acute myocardial infarction
				AMI (Acute Myocardial Infarction)
				Myocardial Damage
				Myocardial Damage
				Myocardial infarction
			myoci:sans,st@elev	Myocardial Infarction (MI)
				Myocardial infarction-without ST elevation
				Non-ST-elevation myocardial infarction (NSTEMI)
			myoci:st@elev	NSTEMI (non-ST-elevation myocardial infarction)
				Myocardial Infarction-with ST elevation
			myoci@ante	STEMI (ST-Elevation Myocardial Infarction)
				Anterior myocardial infarct
			myoci@antel	Myocardial infarction-anterior
				Anterolateral myocardial infarct
				Myocardial infarction-anterolateral
			myoci@inf	Myocardial infarction-anterolateral
				Inferior myocardial infarction
				Inferior myocardial infarction
				Myocardial infarction-inferior
			myoci@posterio	Myocardial infarction-inferior
				Myocardial infarction-posterior
				Myocardial infarction-posterior
				Posterior myocardial infarct
			myoci@sile	Posterior myocardial infarct
				Myocardial infarction-silent
				Myocardial infarction-silent
				Silent myocardial infarction
			myoci@subendoc	Silent myocardial infarction
				Myocardial infarction-subendocardial
				Myocardial infarction-subendocardial
			myoci@supe	Subendocardial myocardial infarct
				Myocardial infarction-superior
				Myocardial infarction-superior
				Superior myocardial infarct

Table 17.2: CVD clinical coding definition – Myocardial infarction continued

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	MYOCARDIAL INFARCTION	MMEx	1755008	Old myocardial infarction
				Healed myocardial infarction
			22298006	Cardiac infarction
				Heart Attack
				Infarction of heart
				MI - myocardial infarction
				Myocardial infarct
				Myocardial infarction
			54329005	Acute anterior myocardial infarction
				Acute anterior myocardial infarction
				Acute myocardial infarction of anterior wall
				Acute myocardial infarction of anterior wall
				Acute Myocardial infarction
				AMI - Acute myocardial infarction
			73795002	Acute inferior myocardial infarction
				Acute myocardial infarction of diaphragmatic wall
				Acute myocardial infarction of inferior wall
			233839009	Old anterior myocardial infarction
			233840006	Old inferior myocardial infarction
			233843008	MI - Silent myocardial infarction
				Silent myocardial infarction
			703164000	Acute anterior ST segment elevation myocardial infarction
				Acute ST segment elevation myocardial infarction of anterior wall
				Acute STEMI (ST elevation myocardial infarction) of anterior wall
				Acute anterior ST segment elevation myocardial infarction
			703213009	Acute inferior ST segment elevation myocardial infarction
				Acute inferior ST segment elevation myocardial infarction
				Acute ST segment elevation myocardial infarction of inferior wall
				Acute STEMI (ST elevation myocardial infarction) of inferior wall
			73801100016 8103	Anterolateral Myocardial infarction
				Anterolateral myocardial infarction
				Anterolateral myocardial infarction (MI)
			233841005	Old lateral myocardial infarction
401303003	Acute ST segment elevation myocardial infarction			
401303004	STEMI - ST elevation myocardial infarction			
401314000	Acute non-ST segment elevation myocardial infarction			
401314001	NSTEMI - Non-ST segment elevation MI			
401314000	Acute non-ST segment elevation myocardial infarction			
	Acute anterior ST segment elevation myocardial infarction			
	Acute ST segment elevation myocardial infarction of anterior wall			

				Acute STEMI (ST elevation myocardial infarction) of anterior wall
			703213009	Acute inferior ST segment elevation myocardial infarction
				Acute ST segment elevation myocardial infarction of inferior wall
				Acute STEMI (ST elevation myocardial infarction) of inferior wall
			73806100016 8100	Inferior myocardial infarction
				Inferior myocardial infarction (MI)

Table 18: CVD clinical coding definition – CHD

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	CORONARY HEART DISEASE	Best Practice	228	Acute coronary insufficiency
				Preinfarction syndrome
			1534	Coronary artery disease
				Coronary heart disease
				IHD
				Ischaemic heart disease
			2556	Coronary occlusion
				Occlusion, Coronary Artery
			7276	Care plan, Chronic heart disease
				Chronic heart disease Care plan
		7278	Chronic heart disease Care plan review	
		11744	Cardiovascular disease	
		Communicare	K74.6	Insufficiency coronary
			K74.7	IHD with angina
			K75.4	Occlusion coronary
			K75.8	Thrombosis artery coronary
			K76.11	Disease ischaemic heart subacute
			K76.13	Coronary heart disease
			K76.14	Disease ischaemic heart
			K76.15	Disease ischaemic heart chronic
			K76.18.	IHD without angina
			K76.19	Atherosclerosis coronary
			K76.3	Coronary artery disease
			K76.5	Disease atherosclerotic heart
			K76.8	Ischaemia myocardial chronic
			K89.15	RIND syndrome
			K89.4	Vertebral artery syndrome
			K89.5	Basilar artery syndrome
			K92.22	Stenosis artery
			K92.24	Atherosclerosis
			K92.25	Arteriosclerosis
			K92.28	Insufficiency vascular
K92.30	Atherosclerosis aorta			
K92.31	Disease small vessel			
K92.7	Occlusion arterial			

Table 18.1: CVD clinical coding definition – CHD continued

CARDIO VASCULAR DISEASE (CVD)	CORONARY HEART DISEASE	Medical Director	atherosc	Arteriosclerosis
				Atherosclerosis
			ihd	Atherosclerotic heart disease
				Coronary artery disease
				Coronary heart disease
				Coronary insufficiency
				IHD
				IHD (Ischaemic Heart Disease)
				Ischaemic heart disease
				Myocardial insufficiency
			occl@coroa	Blockage Coronary Artery
				Coronary Occlusion
				Occlusion-Coronary Artery
		ppoc@reha@ihd	Coronary artery disease-Rehabilitation	
		MMEx	Global care plan name	Chronic heart disease - other
Coronary Heart Disease (CHD)				

Table 19: CVD clinical coding definition – Cerebrovascular disease

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	CEREBRO VASCULAR DISEASE	Best Practice	677	Cerebrovascular accident
				CVA
				Stroke
			678	Cerebral infarction
				Ischaemic stroke
				Stroke, ischaemic
			679	Lacunar infarct
				Lacunar Stroke
				Stroke, lacunar
			680	Migrainous stroke
				Stroke, Migrainous
			681	Stroke, thrombotic
				Thrombotic stroke
			1522	Cerebral haemorrhage
				Haemorrhage, intracerebral
				Haemorrhagic CVA
				Haemorrhagic stroke
				Intracerebral bleed
Intracerebral haemorrhage				
Intracranial haemorrhage				
Stroke, haemorrhagic				
7805	Visual cortex stroke			

Table 19.1: CVD clinical coding definition – Cerebrovascular disease continued

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	CEREBRO VASCULAR DISEASE	Medical Director	cva	Cerebral Infarction
				Cerebrovascular Accident
				CVA (Cerebrovascular Accident)
				Stroke
			cva@isch	Ischaemic Stroke
				Stroke - Ischaemic
				Lacunar Stroke
				Stroke - Lacunar
			cva@migr	Migrainous Stroke
				Stroke - Migrainous
			cva@thrombos	Stroke - Thrombotic
				Thrombotic - Stroke
			cvi	Cerebrovascular insufficiency
			embo.cere	Cerebral Embolism
				Embolism - Cerebral
			ich	Cerebral Haemorrhage
				Haemorrhage - intracerebral
				Haemorrhagic CVA
				Haemorrhagic Stroke
				Intracerebral bleed
		Intracerebral haemorrhage		
		Stroke-Haemorrhagic		
		sah	Haemorrhage - subarachnoid	
			Subarachnoid bleed	
			Subarachnoid haemorrhage	
		MMEx	195190007	Cerebral infarction due to embolism of cerebral arteries
				Cerebrovascular accident
				CVA - Cerebrovascular accident
				Stroke
			371040005	Thrombotic CVA (cerebrovascular accident)
				Thrombotic stroke
			422504002	Ischaemic CVA (cerebrovascular accident)
				Ischaemic stroke
			705128004	Cerebral infarction due to embolism of MCA (middle cerebral artery)
				Cerebral infarction due to embolism of middle cerebral artery
				CVA (cerebrovascular accident) co-occurrent with migraine
				Migraine-induced stroke
				Stroke and migraine
				Stroke co-occurrent with migraine
			230698000	Lacunar stroke
Lacunar infarction				
Lacunar CVA (cerebrovascular accident)				
LI - Lacunar infarction				
LACI - Lacunar infarction				

			371040005	Thrombotic stroke
			371040006	Thrombotic CVA (cerebrovascular accident)
			788884002	Cerebral ischaemic stroke due to subarachnoid haemorrhage
			788884003	Cerebral ischaemic stroke co-occurrent with subarachnoid haemorrhage

Table 20: CVD clinical coding definition – Cerebrovascular disease, TIA and PVD

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)	
CARDIO VASCULAR DISEASE (CVD)	CEREBRO VASCULAR DISEASE - TIA	Best Practice	4253	TIA	
				Syncope, TIA	
		Communicare	K89.13	K89001	Insufficiency basilar
					Transient ischaemic attack
		Medical Director	tia		Arterial Embolism - minor
					Cerebral TIA
					Cerebral Transient Ischaemia
					Cerebral Transient Ischaemic Attacks
					TIA (Transient Ischaemic Attack)
		MMEx	266257000		Transient Ischaemic Attack
					Temporary cerebral vascular dysfunction
					TIA
	TIA - Transient ischaemic attack				
	Transient cerebral ischaemia				
	PERIPHERAL VASCULAR DISEASE (PVD)	Best Practice	3083	Arteriosclerosis obliterans	
				Peripheral arterial disease	
				Peripheral vascular disease	
				PVD	
		Communicare	Code unavailable	K92003	Arteriosclerosis obliterans
					Disease peripheral vascular
		Medical Director	pvd		Arteriosclerosis obliterans
					Peripheral Vascular Disease
					PVD
		MMEx	361133006	400047006	Arteriosclerosis obliterans
PVD - peripheral vascular disease					
840580004					Peripheral arterial disease
	Peripheral artery disease				
400047006	Peripheral vascular disease				

Table 21: CVD clinical coding definition – Carotid stenosis, Renal artery stenosis, Surgery, cardiovascular, carotid

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	CAROTID ARTERY STENOSIS	Best Practice	5340	Carotid artery occlusion Carotid artery stenosis
		Communicare	K91014	Stenosis artery carotid Stenosis, artery, carotid
			K91016	Disease carotid
		Medical Director	sten.caroa	Carotid Stenosis
		MMEx	64586002	Carotid artery narrowing
	Carotid artery stenosis			
	RENAL ARTERY STENOSIS	Best Practice	3398	Renal artery stenosis Stenosis of renal artery
		Communicare	K99.28	Stenosis artery renal
		Medical Director	sten.renaa	Renal Artery Stenosis Stenosis - Renal artery
				RAS - Renal artery stenosis
		MMEx	302233006	Renal artery stenosis
	SURGERY - CARDIO VASCULAR - CAROTID	Best Practice	5833	Carotid artery stent Stent, carotid artery
		Communicare	K52008	Endarterectomy internal carotid
			K53007	Stent(s) carotid
		Medical Director	surg.caroa@bypa@graf	Carotid artery bypass surgery
				Carotid Endarterectomy
			surg.caroa@enda	Endarterectomy - Carotid
				Arterial stent - Carotid artery
		surg.caroa@stent	Carotid artery stent	
			Stent - Carotid artery	
		MMEx	66951008	Carotid endarterectomy
Carotid thromboendarterectomy				
CEA - Carotid endarterectomy				

Table 22: CVD clinical coding definition – Surgery, Cardiovascular, coronary

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	SURGERY - CARDIOVASCULAR - CORONARY	Best Practice	3576	Angioplasty, Coronary
				Balloon Coronary Angioplasty
				Coronary Angioplasty
				PCTA
				Percutaneous transluminal Angioplasty
				Percutaneous transluminal Coronary Angioplasty
			3577	Coronary Artery endarterectomy
				Coronary endarterectomy
			3578	CABG
				Coronary Artery Bypass graft
			3579	Coronary Angioplasty with stent
				Coronary Artery stent
				Stent, Coronary Artery
			Communicare	K53003
		K53009		Stent(s)coronary
		K54007		Graft coronary artery bypass
		Medical Director	surg.coroa	Coronary artery surgery
				Surgery - Coronary artery
			surg.coroa@balloon	Angioplasty - coronary
				Balloon coronary angioplasty
				Coronary artery balloon angioplasty
				PCTA
				Percutaneous transluminal angioplasty
				Surgery - Coronary artery balloon angioplasty
			surg.coroa@enda	Coronary artery endarterectomy
				Surgery - Coronary artery endarterectomy
			surg.coroa@graf	Bypass - coronary
				CABG (Coronary Artery Bypass graft)
				Coronary artery bypass graft
				Surgery - Coronary artery bypass graft
			surg.coroa@stent	Coronary Angiography and Stent
				Coronary artery stent
				Stent - Coronary artery
Surgery - Coronary artery stent				
surg.coroa@stent@eluting	Angioplasty - coronary (with stent)			
	Arterial stent - Coronary artery, drug-eluting			
	Coronary artery, drug-eluting stent			
	Stent - Coronary Artery, drug-eluting			
	Arterial stent - Coronary artery, not drug-eluting			
Coronary artery, not drug-eluting stent				

				Stent - Coronary artery, not drug-eluting
		MMEx	36969009	Insertion of coronary artery stent
				Placement of stent in coronary artery
				Dotter operation for transluminal angioplasty
				PCA - Percutaneous angioplasty
				Percutaneous angioplasty
				Percutaneous transluminal balloon angioplasty
		232717009		CABG (Coronary artery bypass graft)
				CAG - Coronary artery graft
				CBG - Coronary bypass graft
				Coronary artery bypass graft
		5431005		Coronary artery bypass grafting
				Percutaneous transluminal angioplasty

Table 23: CVD clinical coding definition – Cardiovascular surgery, Renal artery

NKPI CONDITION	CONDITION SUBGROUP	CIS	CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	SURGERY – CARDIO VASCULAR - RENAL ARTERY	Best Practice	6456	Renal artery stent
		Communicare	-54	Repair/fixation-suture/cast/prosthetic device (apply/remove)
		Medical Director	surg.renaa	Angioplasty - renal
			surg.renaa@stent	Arterial stent - Renal artery
				Renal artery stent
		MMEx	344990004	Balloon angioplasty of renal artery
			346007006	Angioplasty of renal artery
			414512008	Insertion of renal artery stent
			419827000	Fluoroscopic angioplasty of renal artery
				Fluoroscopy and angioplasty of renal artery

CVD – MMEEx specific inclusions – Mapping table

Table 24: MMEEx specific inclusions – ACS, Angina, Carotid Artery Stenosis, Cerebrovascular disease

NKPI CONDITION	CONDITION SUBGROUP	CLINICAL TERM	SNOMED CODE	GLOBAL CARE PLAN NAME (and suggestions)	
CARDIOVASCULAR DISEASE (CVD)	ACUTE CORONARY SYNDROME (ACS)/ANGINA	Intermediate coronary syndrome	4557003	ACUTE CORONARY SYNDROME (ACS)/ANGINA	
		Preinfarction angina	4557003		
		Preinfarction syndrome	4557003		
		Pre-infarction syndrome	4557003		
		Unstable angina	4557003		
		Worsening angina [synonym of Unstable angina]	4557003		
		Angina	194828000		
		Angina pectoris	194828000		
		Anginal syndrome [synonym of Angina Pectoris and Angina]	194828000		
		AP - Angina pectoris	194828000		
		Cardiac angina	194828000		
		Ischaemic heart disease - angina	194828000		
		Stenocardia [synonym of Angina]	194828000		
		ACS - Acute coronary syndrome	394659003		
		Acute coronary syndrome	394659003		
		Acute coronary insufficiency	194823009		
	CAROTID ARTERY STENOSIS	Carotid artery narrowing	64586002	CAROTID ARTERY STENOSIS	
		Carotid artery stenosis	64586002		
	CEREBROVASCULAR DISEASE	CEREBROVASCULAR DISEASE	Cerebral infarction due to embolism of cerebral arteries	195190007	CEREBROVASCULAR DISEASE
			Cerebrovascular accident	195190007	
			CVA - Cerebrovascular accident	195190007	
			Stroke	195190007	
			Thrombotic CVA (cerebrovascular accident)	371040005	
			Thrombotic stroke	371040005	
			Ischaemic CVA (cerebrovascular accident)	422504002	
			Ischaemic stroke	422504002	
			Cerebral infarction due to embolism of MCA (middle cerebral artery)	705128004	
			Cerebral infarction due to embolism of middle cerebral artery	705128004	
			CVA (cerebrovascular accident) co-occurrent with migraine	724429004	
			Migraine-induced stroke	724429004	
			Stroke and migraine	724429004	
			Stroke co-occurrent with migraine	724429004	
			Lacunar stroke	230698000	
			Lacunar infarction	230698000	
Lacunar CVA (cerebrovascular accident)			230698000		
LI - Lacunar infarction			230698000		
LACI - Lacunar infarction	230698000				
Thrombotic stroke	371040005				

		Thrombotic CVA (cerebrovascular accident)	371040005	
		Cerebral ischaemic stroke due to subarachnoid haemorrhage	788884002	
		Cerebral ischaemic stroke co-occurrent with subarachnoid haemorrhage	788884002	
		Arterial embolism	54687002	

Table 25: MMEEx specific inclusions – Cerebrovascular disease – TIA, Coronary Heart disease, Myocardial infarction

NKPI CONDITION	CONDITION SUBGROUP	CLINICAL TERM	SNOMED CODE	GLOBAL CARE PLAN NAME (and suggestions)
CARDIO VASCULAR DISEASE (CVD)	CEREBRO VASCULAR DISEASE - TIA	Temporary cerebral vascular dysfunction	266257000	CEREBRO VASCULAR DISEASE - TIA
		TIA	266257000	
		TIA - Transient ischaemic attack	266257000	
		Transient cerebral ischaemia	266257000	
		Transient ischaemic attack	266257000	
	CORONARY HEART DISEASE	Chronic heart disease - other	128238001	CORONARY HEART DISEASE
		Coronary Heart Disease (CHD)	53741008	
	MYOCARDIAL INFARCTION	Old myocardial infarction	1755008	MYOCARDIAL INFARCTION
		Healed myocardial infarction	1755008	
		Cardiac infarction	22298006	
		Heart Attack	22298006	
		Infarction of heart	22298006	
		MI - myocardial infarction	22298006	
		Myocardial infarct	22298006	
		Myocardial infarction	22298006	
		Acute anterior myocardial infarction	54329005	
		Acute anterior myocardial infarction	54329005	
		Acute myocardial infarction of anterior wall	54329005	
		Acute myocardial infarction of anterior wall	54329005	
		Acute Myocardial infarction	54329005	
		AMI - Acute myocardial infarction	54329005	
		Acute inferior myocardial infarction	73795002	
		Acute myocardial infarction of diaphragmatic wall	73795002	
		Acute myocardial infarction of inferior wall	73795002	
		Old anterior myocardial infarction	233839009	
		Old inferior myocardial infarction	233840006	
		MI - Silent myocardial infarction	233843008	
		Silent myocardial infarction	233843008	
		Acute anterior ST segment elevation myocardial infarction	703164000	
		Acute ST segment elevation myocardial infarction of anterior wall	703164000	
Acute STEMI (ST elevation myocardial infarction) of anterior wall	703164000			

	Acute inferior ST segment elevation myocardial infarction	703213009	
	Acute inferior ST segment elevation myocardial infarction	703213009	
	Acute ST segment elevation myocardial infarction of inferior wall	703213009	
	Acute STEMI (ST elevation myocardial infarction) of inferior wall	703213009	
	Anterolateral Myocardial infarction	738011000 168103	
	Anterolateral myocardial infarction	738011000 168103	
	Anterolateral myocardial infarction (MI)	738011000 168103	
	Old lateral myocardial infarction	233841005	
	Acute ST segment elevation myocardial infarction	401303003	
	STEMI - ST elevation myocardial infarction	401303003	
	Acute non-ST segment elevation myocardial infarction	401314000	
	NSTEMI - Non-ST segment elevation MI	401314001	
	Acute non-ST segment elevation myocardial infarction	401314002	
	Acute anterior ST segment elevation myocardial infarction	703164000	
	Acute ST segment elevation myocardial infarction of anterior wall	703164000	
	Acute STEMI (ST elevation myocardial infarction) of anterior wall	703164000	
	Acute inferior ST segment elevation myocardial infarction	703213009	
	Acute ST segment elevation myocardial infarction of inferior wall	703213009	
	Acute STEMI (ST elevation myocardial infarction) of inferior wall	703213009	
	Inferior myocardial infarction	738061000 168100	
	Inferior myocardial infarction (MI)	738061000 168100	

Table 26: MMEEx specific inclusions – Peripheral vascular disease, Renal artery stenosis, Surgery – Cardiovascular – Carotid, Coronary, Renal Artery

NKPI CONDITION	CONDITION SUBGROUP	CLINICAL TERM	SNOMED CODE	GLOBAL CARE PLAN NAME (and suggestions)	
CARDIO VASCULAR DISEASE (CVD)	PERIPHERAL VASCULAR DISEASE (PVD)	Arteriosclerosis obliterans	361133006	PERIPHERAL VASCULAR DISEASE (PVD)	
		PVD - peripheral vascular disease	400047006		
		Peripheral arterial disease	840580004		
		Peripheral arterial disease	840580004		
		Peripheral artery disease	840580004		
		Peripheral vascular disease	400047006		
	RENAL ARTERY STENOSIS	RAS - Renal artery stenosis	302233006	RENAL ARTERY STENOSIS	
		Renal artery stenosis	302233006		
	SURGERY – CARDIO VASCULAR - CAROTID	Carotid endarterectomy	66951008	CARDIO VASCULAR DISEASE (CVD) SURGERY	
		Carotid thromboendarterectomy	66951008		
		CEA - Carotid endarterectomy	66951008		
		SURGERY – CARDIO VASCULAR - CORONARY	Insertion of coronary artery stent		36969009
			Placement of stent in coronary artery		36969009
			Dotter operation for transluminal angioplasty		68457009
			PCA - Percutaneous angioplasty		68457009
			Percutaneous angioplasty		68457009
			Percutaneous balloon angioplasty		68457009
			Percutaneous transluminal balloon angioplasty		68457009
			CABG (Coronary artery bypass graft)		232717009
			CAG - Coronary artery graft		232717009
			CBG - Coronary bypass graft		232717009
			Coronary artery bypass graft		232717009
			Coronary artery bypass grafting		232717009
	Percutaneous transluminal angioplasty		5431005		
	SURGERY – CARDIO VASCULAR - RENAL ARTERY		Balloon angioplasty of renal artery	344990004	
		Angioplasty of renal artery	346007006		
		Insertion of renal artery stent	414512008		
		Fluoroscopic angioplasty of renal artery	419827000		
Fluoroscopy and angioplasty of renal artery		419827000			

Cardiovascular Disease (CVD) – EXCLUDED SUBGROUPS AND TERMS

The following subgroups are excluded from the clinical coding definition of CVD:

- ▷ Angina – Prinzmetal
- ▷ Angina – prescription
- ▷ Apoplexy
- ▷ Arrhythmia
- ▷ Atrial fibrillation
- ▷ Atrial flutter
- ▷ Cardiomyopathy
- ▷ Congenital condition
- ▷ Gangrene
- ▷ Heart block
- ▷ Heart failure
- ▷ Hypertension
- ▷ Rheumatic heart disease
- ▷ Rupture
- ▷ Syncope
- ▷ Tachycardia
- ▷ Valve disease
- ▷ Venous embolism.

Table 27: Terms to exclude from CVD clinical coding definition – Angina, Apoplexy and Arrhythmia

NKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	ANGINA - PRESCRIPTION	Medical Director	pres@angip	Anti-angina agent prescription
				Prescription-Angina pectoris
	ANGINA - PRINZMETAL	Best Practice	227	Prinzmetal Angina
		Medical Director	angip@prin	Prinzmetal angina
	APOPLEXY	Communicare	K90015	Seizure apoplectic
			K90024	Apoplexy
	ARRHYTHMIA	Best Practice	7	Cardioversion - failed
			260	Arrhythmia, Bradycardia
				Bradyarrhythmia
				Cardiac Bradyarrhythmia
			1079	Arrhythmia, Atrial fibrillation
				Rapid AF
			1086	Arrhythmia, ventricular fibrillation
				Fibrillation, ventricular
			2527	Ventricular fibrillation
				Arrhythmia, Nodal tachycardia
			2854	Tachycardia, Nodal
				Cardioversion
			4172	Arrhythmia, SVT
				SVT
			4208	Arrhythmia, tachycardia
				Tachycardia
			4474	Ectopics, ventricular
				Premature ventricular Contractions
	4475	Arrhythmia, ventricular tachycardia		
		Tachycardia, ventricular		
	4557	Pre excitation syndrome		
Wolff Parkinson White syndrome				
WPW				
4605	Tachycardia, supraventricular			
6298	Triatrial heart			
6708	Autosomal recessive long QT syndrome			
7828	Bigeminy			
	Ventricular Bigeminy			
8252	Cardioversion, elective			
	Elective Cardioversion			

Table 28: Terms to exclude from CVD clinical coding definition – Atrial fibrillation, Atrial flutter, and Cardiomyopathy

NKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	ATRIAL FIBRILLATION	Best Practice	1079	AF
				Atrial fibrillation
				Fibrillation, Atrial
	ATRIAL FLUTTER	Best Practice	1113	Arrhythmia, Atrial flutter
				Atrial flutter
	CARDIO-MYOPATHY	Best Practice	496	Cardiomyopathy
			497	Cardiomyopathy, Congestive
				Cardiomyopathy, dilated
				Congestive Cardiomyopathy
				Dilated Cardiomyopathy
			498	Cardiomyopathy, hypertrophic
				Hypertrophic Cardiomyopathy
			499	Cardiomyopathy, restrictive
				Restrictive Cardiomyopathy
			2080	Cardiomyopathy, selenium deficiency
			4738	Cardiomyopathy, Congenital
				Congenital Cardiomyopathy
			5179	Cardiomyopathy, ischaemic
				Ischaemic Cardiomyopathy
			5180	Alcoholic Cardiomyopathy
				Cardiomyopathy, Alcoholic
			5181	Amyloid Cardiomyopathy
				Cardiomyopathy, Amyloid
	5182	Cardiomyopathy, idiopathic		
		Idiopathic Cardiomyopathy		
	5183	Cardiomyopathy, peripartum		
		Peripartum Cardiomyopathy		
	5184	Cardiomyopathy, haemochromatosis		
		Haemochromatosis Cardiomyopathy		
	6915	Cardiomyopathy, hypertensive		
		Hypertensive Cardiomyopathy		
	7145	Stress-induced Cardiomyopathy		
Takotsubo Cardiomyopathy				
CONGENITAL CONDITION	Best Practice	521	Congenital heart defect	
		4739	Congenital heart disease	
		4866	Hypoplastic left heart syndrome	
		6261	Cardiofaciocutaneous syndrome	
		6298	Cor Triatriatum	
			Cardio auditory syndrome	
			Jervell And Lange-Nielsen syndrome	
		6516	Cardiocutaneous syndrome	
			Cardiomyopathic lentiginosis	
			LEOPARD syndrome	
			Multiple lentigines syndrome	
7635	Progressive Cardiomyopathic lentiginosis			
	Congenital heart Block			

Table 29: Terms to exclude from CVD clinical coding definition – Embolism, Gangrene and Heart failure

NKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	EMBOLISM	Communicare	K75009	Embolism artery coronary
			K90020	Embolism cerebral
			K91013	Embolism precerebral
			K92018	Embolism arterial
	GANGRENE	Communicare	K92004	Gangrene
			K92006	Ischaemia limb (gangrene)
	HEART BLOCK	Best Practice	628	Intraventricular Block
				Intraventricular Heart Block
			1341	Atrio-Ventricular Block
				AV Block
				Heart Block
				Sino-Atrial heart Block
			1342	First degree heart Block
				Heart Block, first degree
			1343	Heart Block, second degree
				Mobitz type 1A-VBlock
				Second degree heart Block
			1344	Complete heart Block
				Heart Block, third degree
				Third degree heart Block
	1357	Split heart Sounds		
	3390	Sinus Node dysfunction		
	7594	Mobitz type 2A-VBlock		
	7635	Heart Block, Congenital		
	HEART FAILURE	Best Practice	1086	VF
			1345	Cardiac failure
				Heart failure
			1346	Acute Cardiac failure
				Acute heart failure
				Cardiac failure, Acute
				Heart failure, Acute
			1347	Biventricular heart failure
CCF				
Congestive Cardiac failure				
1348			Congestive heart failure	
			Heart failure, left	
			Left heart failure	
			Left Ventricular Failure	
			LHF	
1349			LVF	
			Heart failure, high output	
			High output Cardiac failure	
1350	High output heart failure			
	Cor pulmonale			
	RHF			
	Right heart failure			
	Right ventricular failure			
1475	RVF			
1475	Hypertensive heart failure			
6178	Diastolic Cardiac dysfunction			

				Diastolic heart failure
				Heart failure - preserved ejection fraction
				HFpEF
				Ventricular diastolic dysfunction
			6179	Heart failure - reduced ejection fraction
				HFrEF
				Systolic Cardiac dysfunction
			11800	Heart failure -Mid range ejection fraction
				HFmrEF
		MMEEx	Global care plan name	CHRONIC HEART FAILURE

Table 30: Terms to exclude from CVD clinical coding definition – Hypertension, RHD, Rupture and Syncope

NKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE (CVD)	HYPERTENSION	MMEEx	Global care plan name	HYPERTENSION
	RHEUMATIC HEART DISEASE	Best Practice	3167	Rheumatic heart disease
				Rheumatic Myocarditis
				Rheumatic pancarditis
				Rheumatic valve disease
		MMEEx	Global care plan name	ACUTE RHEUMATIC FEVER
				RHD (Priority 1) - Severe RHD
				RHD (Priority 2) - Moderate RHD
				RHD (Priority 3) - ARF (No RHD) or Mild RHD
	RUPTURE	Communicare	K75005	Rupture myocardium
			K75006	Rupture heart
			K75007	Rupture artery coronary
			K90013	Rupture blood vessel brain
			K90014	Rupture intracranial
	SYNCOPE	Best Practice	4191	Neuro cardiogenic syncope
				Syncope, vasovagal
				Vaso vagal syncope

Table 31: Terms to exclude from CVD clinical coding definition – Tachycardia, Valve disease, Other

NKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)			
CARDIO VASCULAR DISEASE (CVD)	TACHYCARDIA	Best Practice	2527	Nodal tachycardia			
			4172	Atrial tachycardia			
				Supraventricular tachycardia			
			4475	Ventricular Tachycardia			
	VT						
	VALVE DISEASE			1589	Prosthetic heart valve endocarditis		
				3167	Post streptococcal heart disease		
					Post streptococcal valve disease		
				3692	Heart valve replacement		
					Prosthetic heart valve		
				4479	Heart disease, valvular		
					Valvular disease of heart		
					Valvular heart disease		
				OTHER		227	Coronary Artery spasm
						260	Bradycardia
	683		Organic Heart Disease				
	1343		Wenckebach phenomenon				
	1351		Cardiomegaly				
			Heart enlarged				
	1357		Heart sounds - Split				
	1358		Heart sounds - Triple rhythm				
			Triple rhythm heart sounds				
	2080		Keshan disease				
	3265		Cardiogenic shock				
			Shock, Cardiogenic				
	3390		Sick Sinus Syndrome				
	3687		Heart surgery				
			Heart surgery				
			Open heart surgery				
			Open heart surgery				
	3691		Heart transplant				
			Transplant, heart				
	4191		Collapse				
			Vasovagal Attack				
	4208		Rapid pulse				
	4474		Ventricular ectopics				
			Ventricular extra systoles				
	4557		Accessory Atrioventricular pathways				
	4628		Abnormal heart chamber dimensions				
	6103		Dressler's syndrome				
			Post pericardiotomy syndrome				
	6498		Surdo cardiac Syndrome				
7145	Broken heart syndrome						
	Transient Apical Ballooning						
7810	Cyanotic heart disease						
8067	Hypertensive heart disease						
8294	Post cardiectomy syndrome						
11744	Heart disease						
Not supplied	Rapid Bp						

Table 32: Terms to exclude from CVD clinical coding definition – Other

NKPI CONDITION	CONDITION SUBGROUP	CIS	CIS CODE	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
CARDIO VASCULAR DISEASE	OTHER	Communicare	Code not supplied	Necrosis aseptic
			K74003	Spasm artery coronary
			K74005	Cardiac vasospasm
			K76001	Coronary artery aneurysm
			K76020	Ventricular aneurysm
			K89003	Subclavian steal syndrome
			K89009	Spasm artery cerebral
				Vasospasm cerebral
			K89010	Attack(s) drop
			K89014	Amaurosis fugax
			K89016	Transient global amnesia
			K90008	Haemorrhage epidural
			K92001	Disease Buergers
			K92002	Disease Raynaud's
				Raynaud's phenomenon
			K92005	Ischaemia contracture
			K92014	Thrombosis arterial
			K92016	Vasospasm peripheral
			K92017	Claudication intermittent
		K92021	Thromboangitis obliterans	
		K92026	Atheroma	
K92029	Vasospasm nipple			
Medical Director	raynp	Raynaud's phenomenon		

CVD – MMEEx specific exclusions – Mapping table

Table 33: MMEEx specific exclusions for CVD

NKPI CONDITION	CONDITION SUBGROUP	CLINICAL TERM	GLOBAL CARE PLAN NAME	
CARDIO VASCULAR DISEASE (CVD)	HEART FAILURE	CHRONIC HEART FAILURE	CVD	
	HYPERTENSION	Hypertension		
	RHEUMATIC HEART DISEASE	ACUTE RHEUMATIC FEVER		ACUTE RHEUMATIC FEVER
		RHD (Priority 1) - Severe RHD		RHD (Priority 1) - Severe RHD
		RHD (Priority 2) - Moderate RHD		RHD (Priority 2) - Moderate RHD
		RHD (Priority 3) - ARF (No RHD) or Mild RHD		RHD (Priority 3) - ARF (No RHD) or Mild RHD
	RHD (Priority 4) - Inactive	RHD (Priority 4) - Inactive		