Bp Premier nKPI and OSR Field Mappings

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Document Name **Bp Premier nKPI and OSR Field Mappings**

Product Name Bp Premier

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1. Purpose

As part of the nKPI (National Key Performance Indicators) project, a utility will be supplied to participating health clinics to enable them to upload aggregated, deidentified patient information to the Federal Government's portal. This document provides detail on where in Bp Premier this information is sourced from.

2. Change Control

Date	Version	Change by	Reason
24/04/2018	V0.1	Thomas Clarke	Final development draft of document
05/05/2018	V0.2	Jessica White	Final customer facing review and update
15/05/2018	V0.3	Thomas Clarke	Include additional CVD term names
11/10/2018	V0.4	Thomas Clarke	Update OSR Measures to include new visit types referenced in DoH email
12/10/2018	V0.5	Thomas Clarke	Corrections to NKPI-21 to correct error with Low measures
15/10/2018	V0.6	Thomas Clarke	Corrections to NKPI-21 to correct other errors
03/07/2019	V0.7	Thomas Clarke	Update OSR-CS2 measures to correct error in Chiropractor location, add new Allied Health Other types and new Jade user groups
12/07/2019	V0.8	Thomas Clarke	Add Clinical Pharmacist user type to OSR-CS2
06/2023	V1.0	Jamie Atkinson	Update document to reflect changes between 2019 and 2023: • nKPI01 and nKPI02 updated criteria to have had at least one Visit in the last 12 months • nKPI09 and nKPI10 updated to include 11-14 year old clients • nKPI11 renamed to 'Smoking status of regular clients who gave birth within the previous 12 months with smoking status recorded during pregnancy' and updated the age disaggregation to 'less than 20 years', '20-34 years', '35 years and older' to align with PI13 • nKPI13 renamed to 'Proportion of regular clients who gave birth within the previous 12 months who had their first antenatal visit within specified periods' and updated the disaggregation of gestation age at first visit to 'before 11 weeks gestation', '11 to 13 weeks', '14 to 19 weeks' and '20 weeks or later' • nKPI24 updated the target blood pressure value to less than or equal to 140/90mmHG • OSR CS3a changes for disaggregation of data by age and sex (in addition to existing ethnicity breakdown) • nKPI12 renamed to 'Proportion of Indigenous Regular Clients who have a BMI result within specified categories' and BMI now broken down into 5 groups: underweight (<18.50), normal weight (18.50–24.99), overweight (25.00–29.99),

			obese (≥30), and not calculated, with new codes. Denominated updated to 'every client within age and sex range' since there's a new category for 'not calculated' and age group aggregation of 18-24 years added • nKPI18 age group 15-24 years updated to 18-24 years, indicator will now break down test type into 4 groups: both eGFR and ACR recorded, only eGFR result recorded, only ACR result recorded, and neither eGFR or ACR result recorded. Aggregation is now broken down into 3 groups: Type 2 diabetes, Cardiovascular disease (CVD), and CVD and/or Type 2 diabetes • nKPI19A and nKPI19B are now retired and amalgamated into one measure nKPI19 • nKPI25 added with details and measures
12/2023	V1.1	Aaron Lim	nKPI25 Updated search inclusions • Chlamydia LOINC Codes • Chlamydia Text Strings • Gonorrhoea LOINC Codes • Gonorrhoea Text Strings New search inclusions and exclusions • Chlamydia Non-LOINC Codes • Chlamydia LOINC Code Exclusions • Gonorrhoea Non-LOINC Codes • Chlamydia and Gonorrhoea LOINC Codes • Chlamydia and Gonorrhoea Non-LOINC • Antibody and Immunoglobulin Exclusions
06/2024	V1.2	Aaron Lim Hannah Pineda	Updated the nKPI and OSR Field Mapping document for the following reports: nKPI03 • Updated Telehealth MBS Items to 92004 or 92011 nKPI07 • Updated Telehealth MBS Items to 92004 or 92011 NKPI11 • Updated Numerator and Denominator table to correctly reflect the age disaggregation nKPI22 • Alter inclusion criteria to exclude ‘Pap smear’ • Change the time interval for accepted tests to ‘within 5 years and on or after

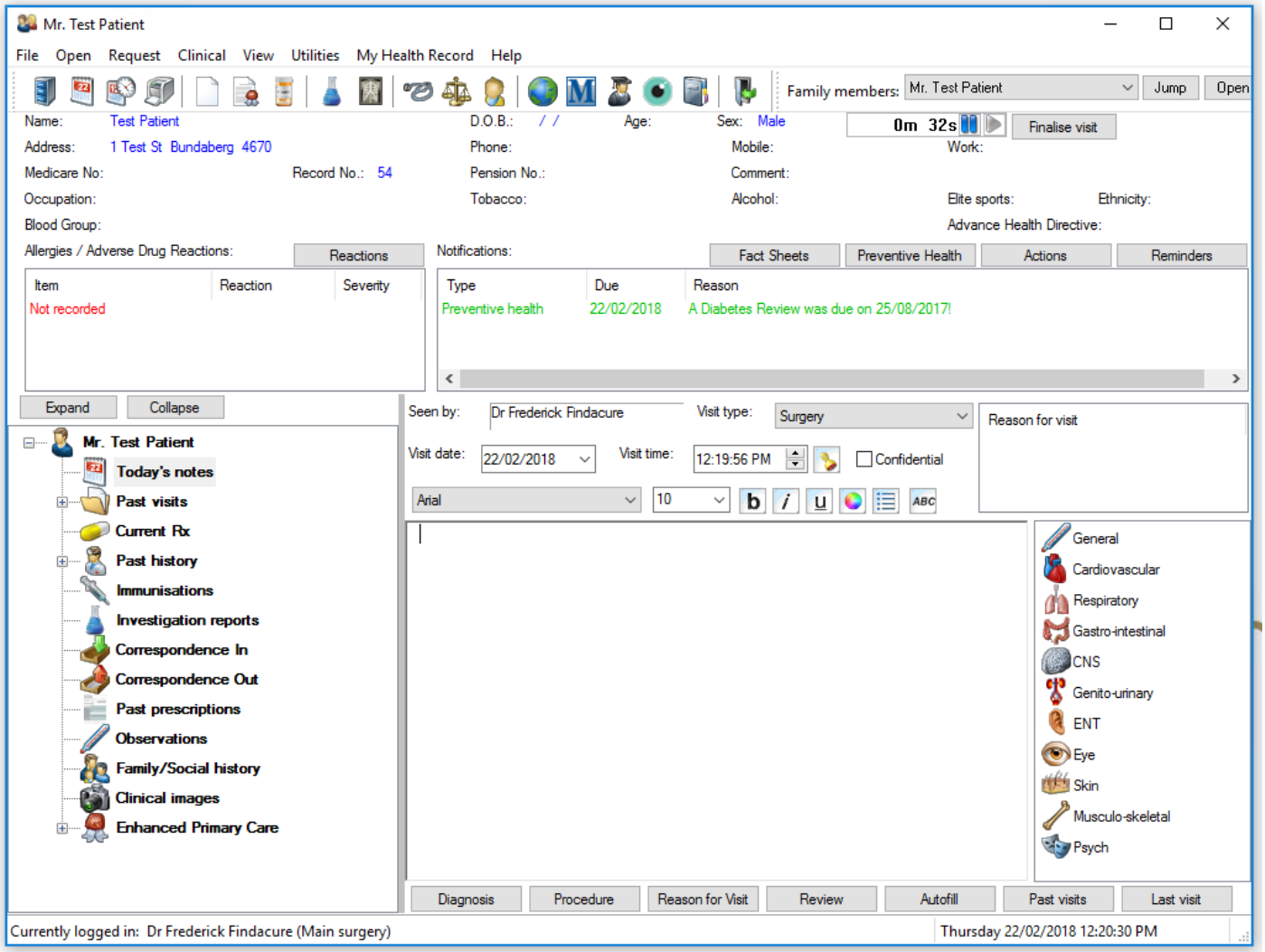
			01 December 2017' (remove disaggregation) Removed information for the following retired or suspended reports: • PI04, PI08, PI15, PI17 Added table of included and excluded visit types in Section 3 Regular Client Added Section 5 Health Provider Role Classification for Reporting Added nKPI26 Report - Ear Health Check Indicator • Hearing loss is now an excluded clinical diagnosis and new terms have been added to the list of exclusions. • Addition of included clinical diagnosis codes and terms. • Addition of included procedure codes and terms. • Addition of excluded clinical diagnosis codes and terms. • Some previously excluded procedure codes and terms have now moved to included procedures. • The introductory text for the ear coding framework and the principles for inclusion/exclusion have been revised.

3. Regular Client

Most mappings in this document reference patients who are defined as r*egular clients.* A *regular client* is a patient who exists in the practice database who has had three or more **visit types** counted as a visit for reporting.

Counted as a Visit	Not counted as a visit
Home	Email
Hospital	Non visit
Hostel	Other
Locum service	SMS
Out of Office	
RACF (residential aged care facility)	
Surgery	
Telehealth (clinical)	
Telephone	

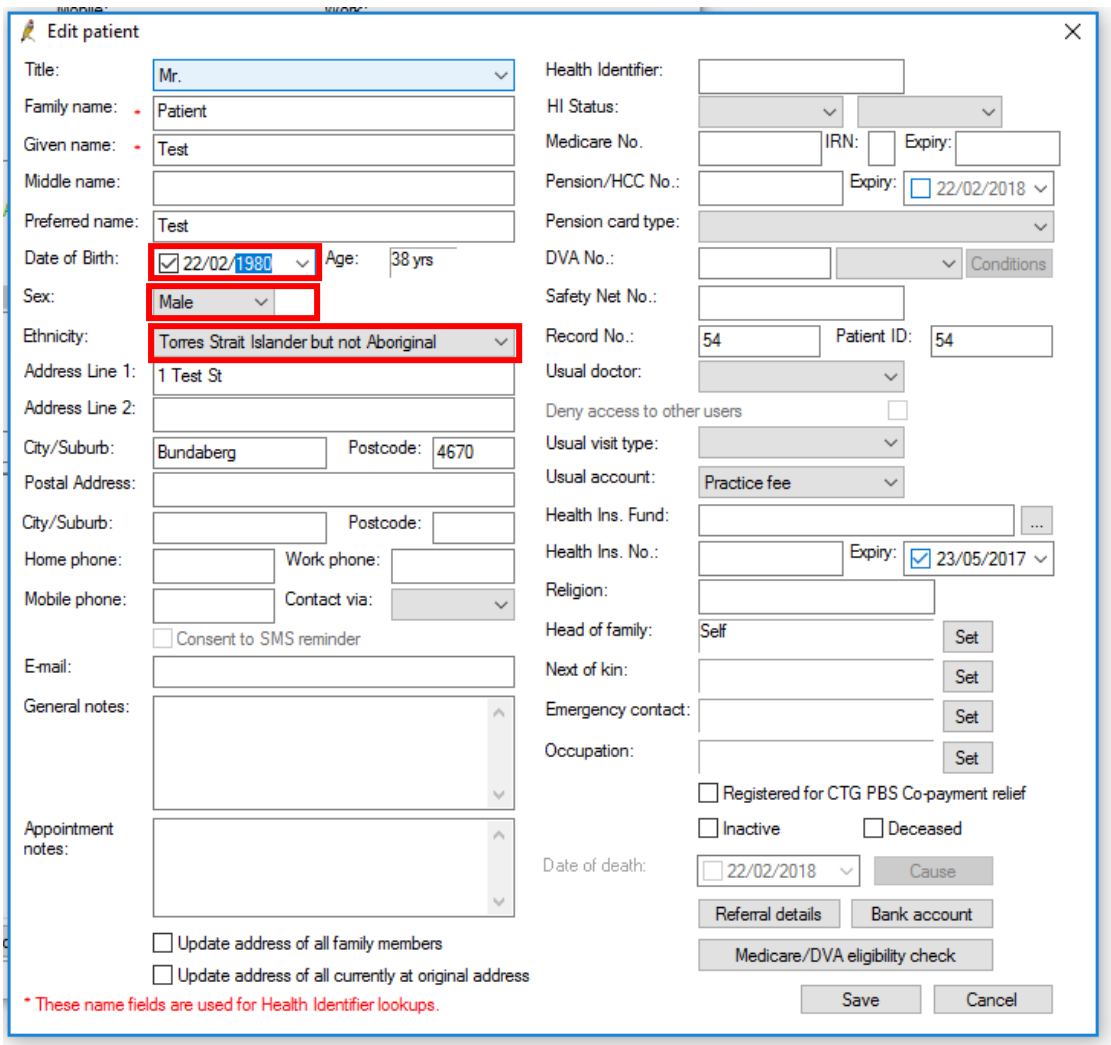
A **visit** is recorded in the **Patient Clinical Record** when any information is saved against the patient, for example by filling out the **Today's Notes** section.



4. Mapping Details

4.1. NKPI-00 – Recording of sex/age for indigenous clients

The NKPI-00 element consists of four elements that each provide a count. In order to appear in the NKPI-00 element, the patient must meet the definition of *regular client,* have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander.*



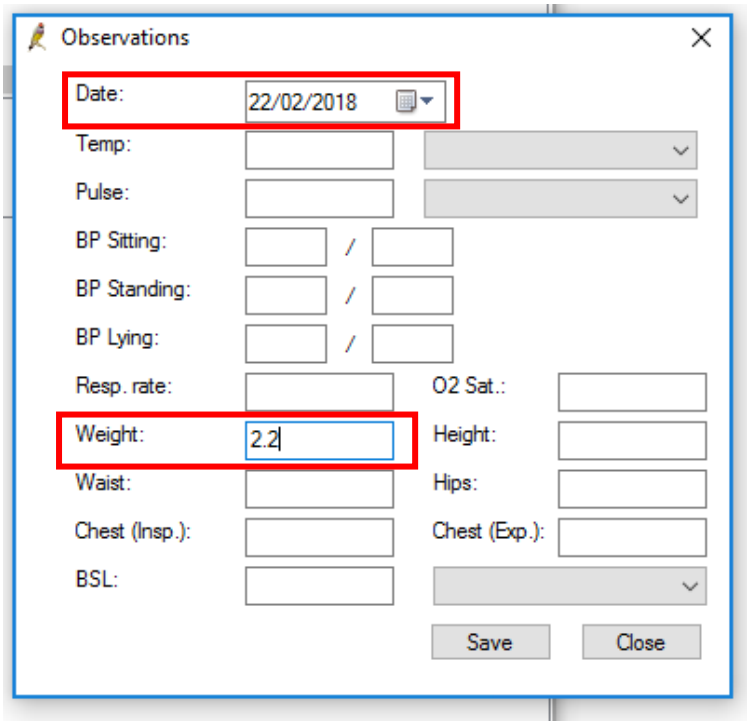
Patients meeting these criteria are then added to one of the measures in the table below based on whether their **Sex** and **Date of Birth** are recorded in the system.

	Sex *not recorded*	**Sex** *recorded*
Date of Birth *not recorded*	NKPI-00001	NKPI-00002
Date of Birth *recorded*	NKPI-00003	NKPI-00004

4.2. NKPI-01002 – recording of birth weight for Indigenous babies

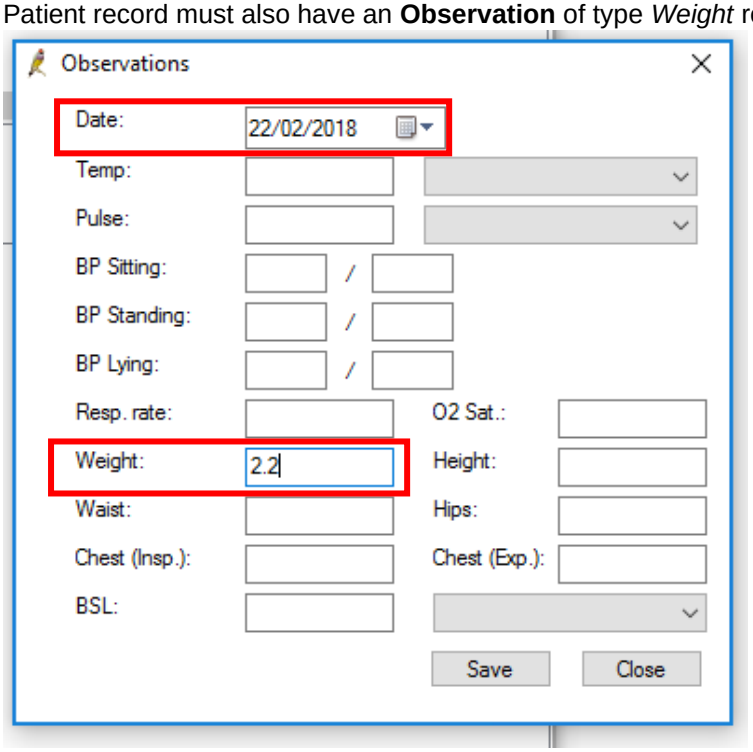
The NKPI-01002 measure consists of a numerator and a denominator. In order to appear in the denominator for the NKPI-01002 measure, the Patient record must have a **Date of Birth** recorded within the previous twelve months, have had at least one **Visit** in the last 12 months and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander.*

To appear in the numerator for this measure, the Patient record must also have an **Observation** of type *Weight* recorded on their **Date of Birth.**



4.3. NKPI-02 – birth weight ranges for Indigenous babies

The NKPI-02 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-02 measures, the Patient record must have a **Date of Birth** recorded within the previous twelve months, have had at least one **Visit** in the last 12 months and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander.* The Patient record must also have an **Observation** of type *Weight* recorded on their **Date of Birth.**



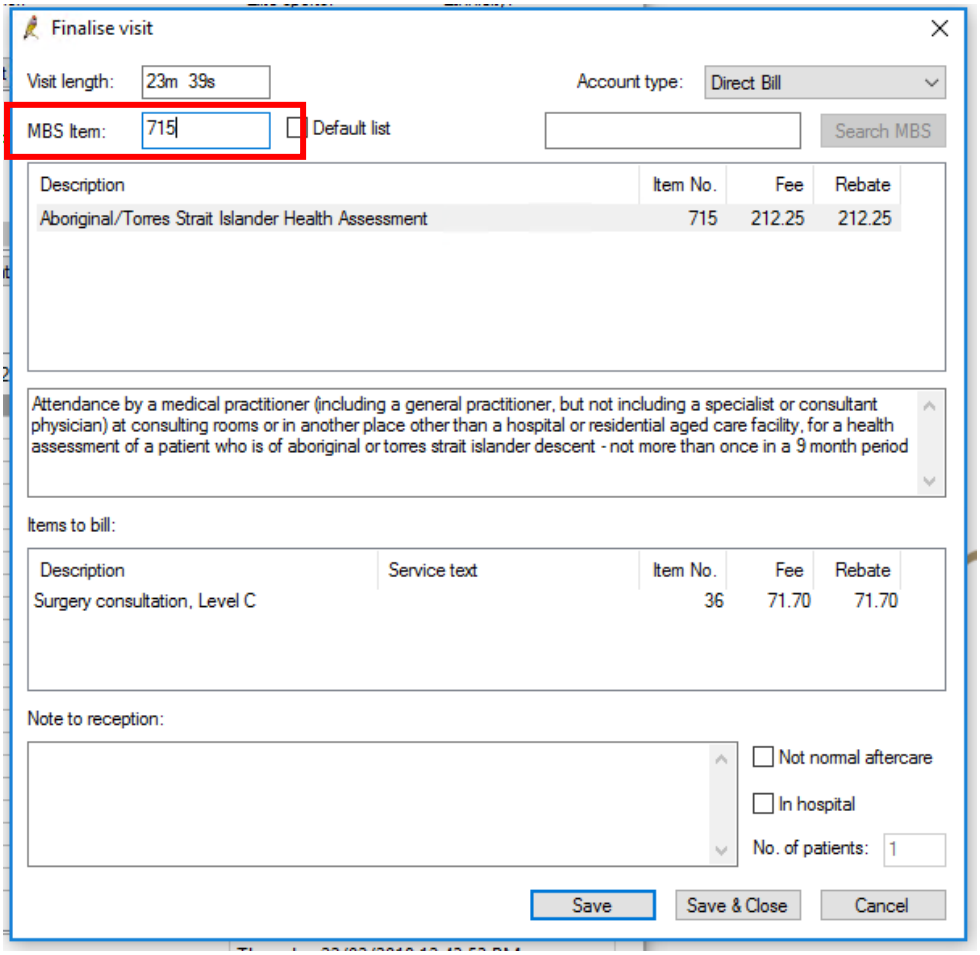
In order to appear in the numerator for a measure under the NKPI-02 element, the value recorded for the patient's *Weight* **Observation** (multiplied by 1000 in order to convert from kilograms to grams) should fall within the range specified for the measure in the below table:

	Measure
Weight *<2500g*	NKPI-02001
Weight *>= 2500g - < 4500g*	NKPI-02002
Weight *>=4500g*	NKPI-02003

4.4. NKPI-03 – Patients of a given gender and age range claiming a Health Assessment

The NKPI-03 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-03 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander.* The Patient must also have an **age** and **gender** as specified for the measure in the below table.

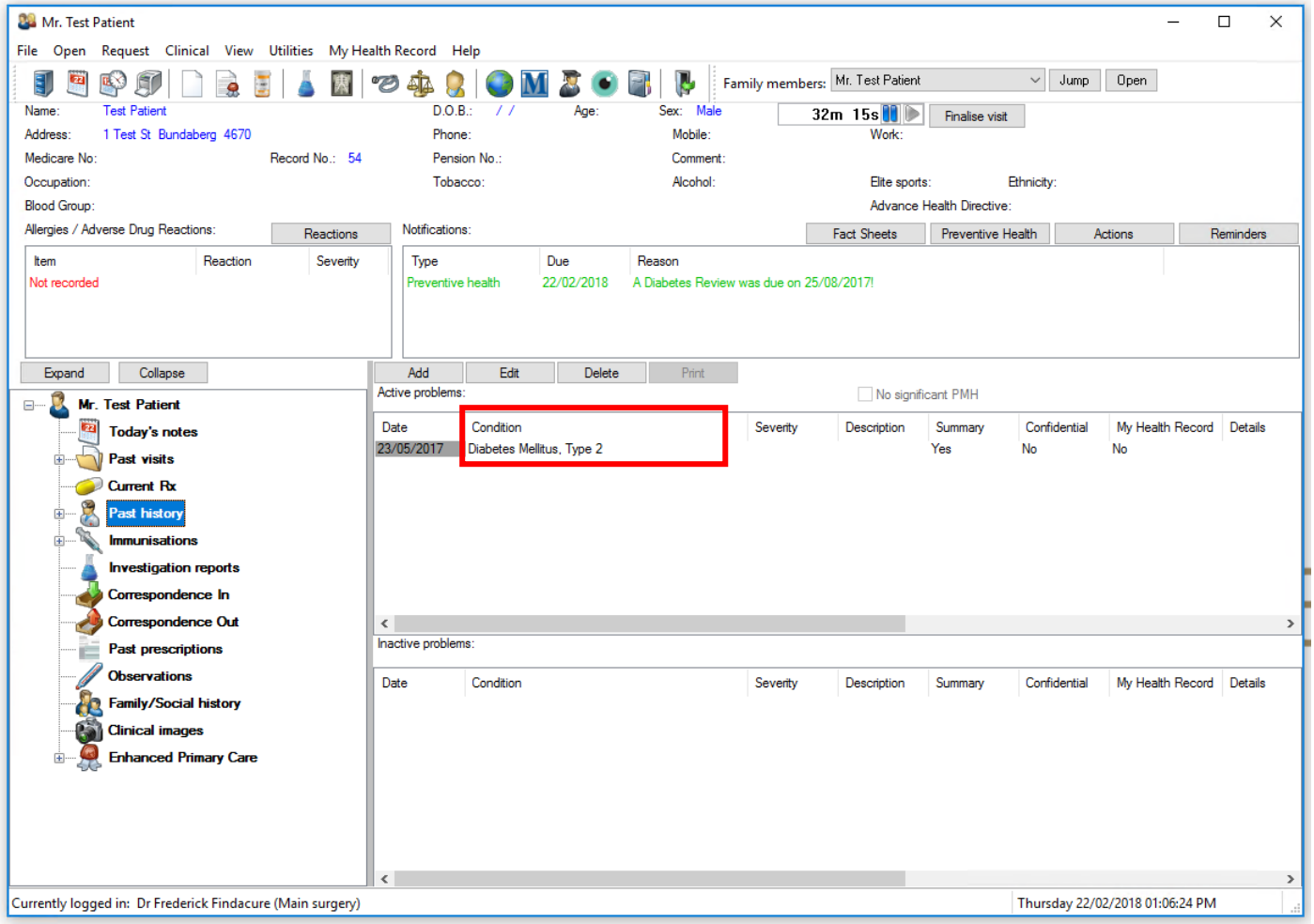
In order to appear in the numerator for a given measure, the patient must meet the conditions to appear in the denominator, as well as having a **Service** record for *MBS Item 715 or 228* for the in-person measure) or *MBS item 92004 or 92011* (for the Telehealth measures) with a **Service Date** within the previous 24 months (or 12 months for NKPI-03001).



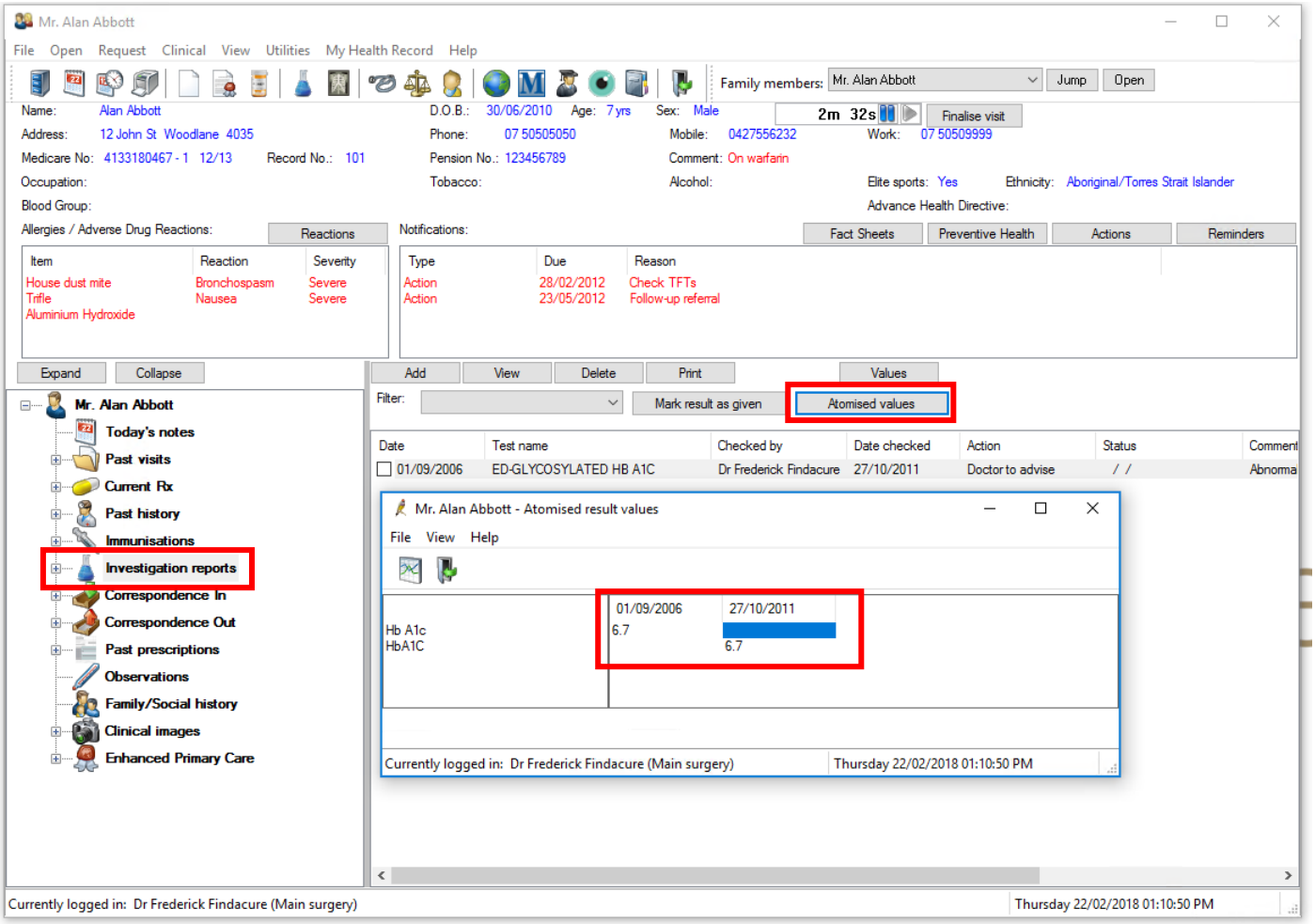
		Sex *Male*		**Sex** *Female*	
		In-person	*Telehealth*	*In-person*	*Telehealth*
Assessment in previous 12 months	**Age** *0-4 years*	NKPI-03013	NKPI-03014	NKPI-03017	NKPI-03018
	Age *5-14 years*	NKPI-03015	NKPI-03016	NKPI-03019	NKPI-03020
Assessment in previous 24 months	**Age** *15-24 years*	NKPI-03021	NKPI-03022	NKPI-03028	NKPI-03029
	Age *25-34 years*	NKPI-03002	NKPI-03023	NKPI-03008	NKPI-03030
	Age *35-44 years*	NKPI-03003	NKPI-03024	NKPI-03009	NKPI-03031
	Age *45-54 years*	NKPI-03004	NKPI-03025	NKPI-03010	NKPI-03032
	Age *55-64 years*	NKPI-03005	NKPI-03026	NKPI-03011	NKPI-03033
	Age *65+ years*	NKPI-03006	NKPI-03027	NKPI-03012	NKPI-03034

4.5. NKPI-05 – Clients with Type 2 Diabetes who have had a HbA1c test

The NKPI-05 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-05 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander.* The Patient must also be aged within the range specified in the below table for the measure, and have a **Past History** record indicating diagnosis with *Type 2 Diabetes*[1]:



In order to appear in the numerator for a measure, the patient must meet all criteria for the denominator, and must additionally have a HbA1c test recorded within the date range specified in the table below. These tests can be viewed in the **Atomised Values** screen within **Investigation Reports.**

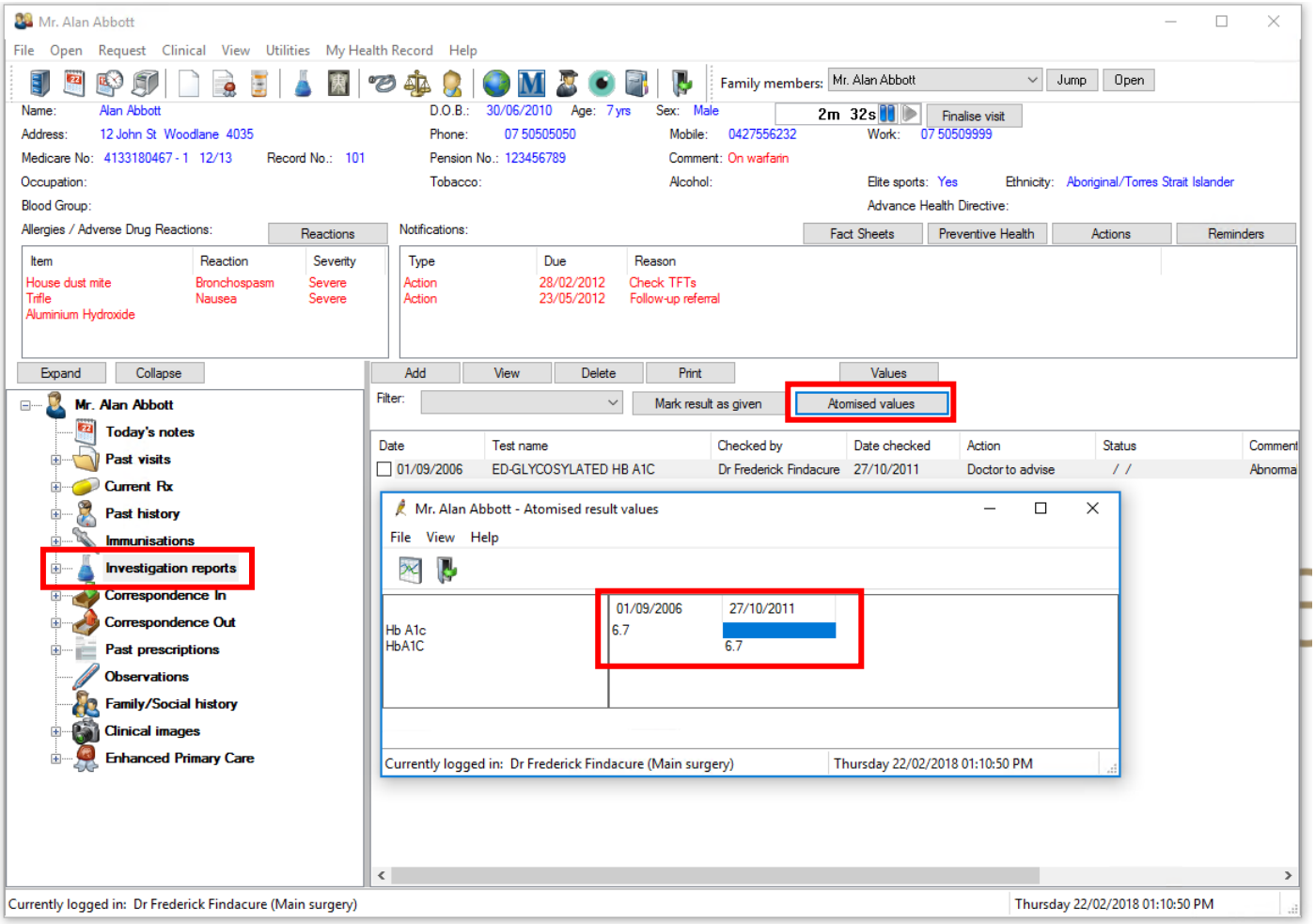


	Sex *Male*	**Sex** *Female*	
Age *0-4 years*	NKPI-05001	NKPI-05009	**HbA1c test** *within previous 6 months*
	NKPI-05017	NKPI-05025	**HbA1c test** *within previous 12 months*
Age *5-14 years*	NKPI-05002	NKPI-05010	**HbA1c test** *within previous 6 months*
	NKPI-05018	NKPI-05026	**HbA1c test** *within previous 12 months*
Age *15-24 years*	NKPI-05003	NKPI-05011	**HbA1c test** *within previous 6 months*
	NKPI-05019	NKPI-05027	**HbA1c test** *within previous 12 months*
Age *25-34 years*	NKPI-05004	NKPI-05012	**HbA1c test** *within previous 6 months*
	NKPI-05020	NKPI-05028	**HbA1c test** *within previous 12 months*
Age *35-44 years*	NKPI-05005	NKPI-05013	**HbA1c test** *within previous 6 months*
	NKPI-05021	NKPI-05029	**HbA1c test** *within previous 12 months*
Age *45-54 years*	NKPI-05006	NKPI-05014	**HbA1c test** *within previous 6 months*
	NKPI-05022	NKPI-05030	**HbA1c test** *within previous 12 months*
Age *55-64 years*	NKPI-05007	NKPI-05015	**HbA1c test** *within previous 6 months*
	NKPI-05023	NKPI-05031	**HbA1c test** *within previous 12 months*
Age *65+ years*	NKPI-05008	NKPI-05016	**HbA1c test** *within previous 6 months*
	NKPI-05024	NKPI-05032	**HbA1c test** *within previous 12 months*

[1]Type 2 Diabetes includes the following term names within Past History: Diabetes Mellitus, NIDDM; Diabetes Mellitus, Type 2; NIDDM; Non insulin dependent Diabetes Mellitus; Type 2 Diabetes Mellitus

4.6. NKPI-06 – Clients with Type 2 Diabetes who have had a HbA1c test with a given result

The NKPI-06 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-06 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be aged within the range specified in the below tables for the measure, and have a **Past History** record indicating diagnosis with *Type 2 Diabetes*[1]. The patient must also have had a HbA1c test within the date range specified in the table below. These tests can be viewed in the **Atomised Values** screen within **Investigation Reports.**



In order to appear in the numerator for a measure, the patient's most recent HbA1c result must be within the range specified for the measure in the below tables.

4.6.1. Test within previous 6 months

	Sex *Male*	**Sex** *Female*	
Age *0-4 years*	NKPI-06001	NKPI-06009	**HbA1c result** <= *7%*
	NKPI-06017	NKPI-06025	**HbA1c result** > *7% - <= 8%*
	NKPI-06033	NKPI-06041	**HbA1c result** > *8% - <= 10%*
	NKPI-06049	NKPI-06057	**HbA1c result** > *10%*
Age *5-14 years*	NKPI-06002	NKPI-06010	**HbA1c result** <= *7%*
	NKPI-06018	NKPI-06026	**HbA1c result** > *7% - <= 8%*
	NKPI-06034	NKPI-06042	**HbA1c result** > *8% - <= 10%*
	NKPI-06050	NKPI-06058	**HbA1c result** > *10%*

Age *15-24 years*	NKPI-06003	NKPI-06011	**HbA1c result** *<= 7%*
	NKPI-06019	NKPI-06027	**HbA1c result** *> 7% - <= 8%*
	NKPI-06035	NKPI-06043	**HbA1c result** *> 8% - <= 10%*
	NKPI-06051	NKPI-06059	**HbA1c result** *> 10%*
Age *25-34 years*	NKPI-06004	NKPI-06012	**HbA1c result** *<= 7%*
	NKPI-06020	NKPI-06028	**HbA1c result** *> 7% - <= 8%*
	NKPI-06036	NKPI-06044	**HbA1c result** *> 8% - <= 10%*
	NKPI-06052	NKPI-06060	**HbA1c result** *> 10%*
Age *35-44 years*	NKPI-06005	NKPI-06013	**HbA1c result** *<= 7%*
	NKPI-06021	NKPI-06029	**HbA1c result** *> 7% - <= 8%*
	NKPI-06037	NKPI-06045	**HbA1c result** *> 8% - <= 10%*
	NKPI-06053	NKPI-06061	**HbA1c result** *> 10%*
Age *45-54 years*	NKPI-06006	NKPI-06014	**HbA1c result** *<= 7%*
	NKPI-06022	NKPI-06030	**HbA1c result** *> 7% - <= 8%*
	NKPI-06038	NKPI-06046	**HbA1c result** *> 8% - <= 10%*
	NKPI-06054	NKPI-06062	**HbA1c result** *> 10%*
Age *55-64 years*	NKPI-06007	NKPI-06015	**HbA1c result** *<= 7%*
	NKPI-06023	NKPI-06031	**HbA1c result** *> 7% - <= 8%*
	NKPI-06039	NKPI-06057	**HbA1c result** *> 8% - <= 10%*
	NKPI-06055	NKPI-06063	**HbA1c result** *> 10%*
Age *65+ years*	NKPI-06008	NKPI-06016	**HbA1c result** *<= 7%*
	NKPI-06024	NKPI-06032	**HbA1c result** *> 7% - <= 8%*
	NKPI-06040	NKPI-06048	**HbA1c result** *> 8% - <= 10%*
	NKPI-06056	NKPI-06064	**HbA1c result** *> 10%*

4.6.2. Test within previous 12 months

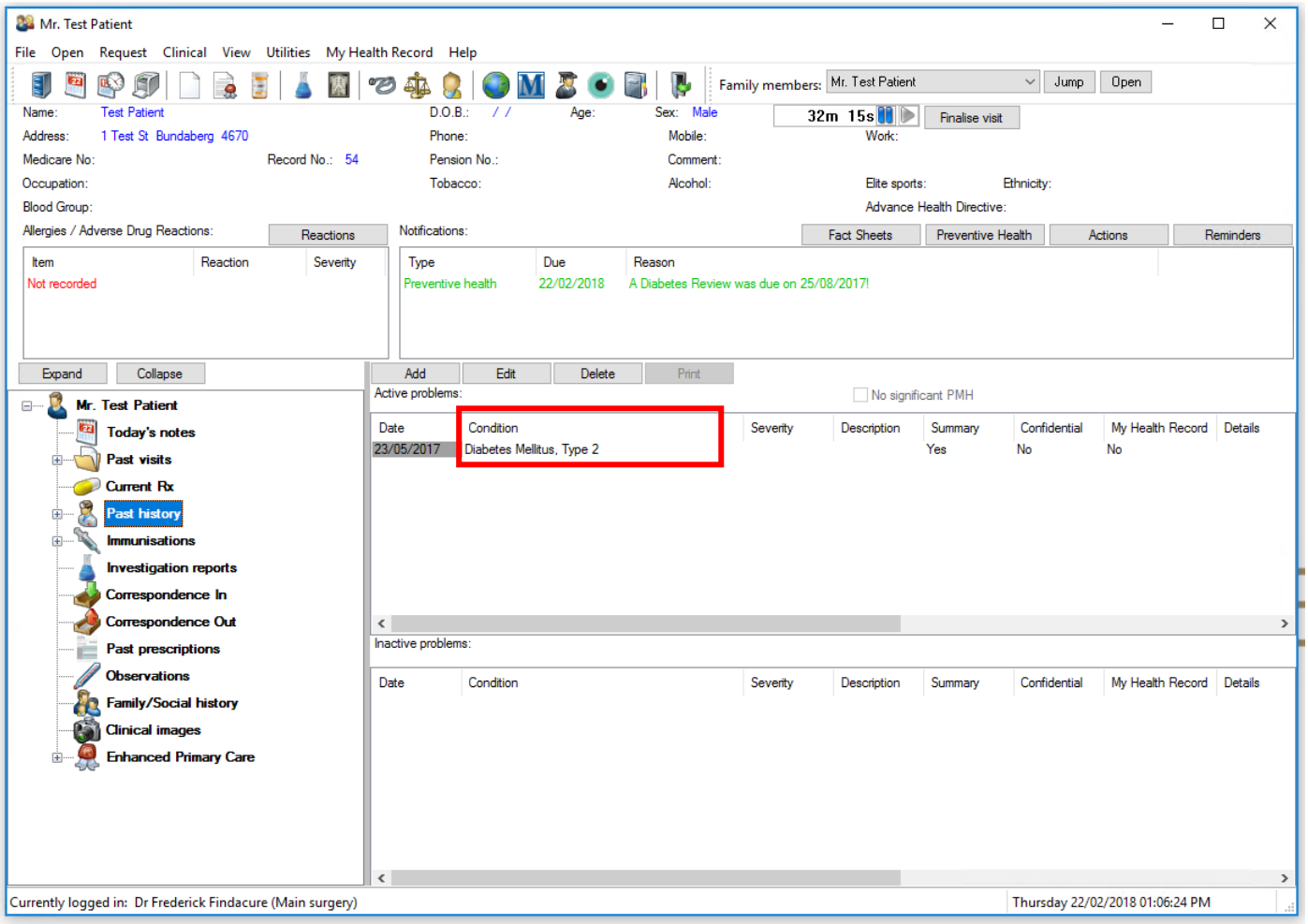
	Sex *Male*	**Sex** *Female*	
Age *0-4 years*	NKPI-06065	NKPI-06073	**HbA1c result** *<= 7%*
	NKPI-06081	NKPI-06089	**HbA1c result** *> 7% - <= 8%*
	NKPI-06097	NKPI-06105	**HbA1c result** *> 8% - <= 10%*
	NKPI-06113	NKPI-06121	**HbA1c result** *> 10%*
Age *5-14 years*	NKPI-06066	NKPI-06074	**HbA1c result** *<= 7%*
	NKPI-06082	NKPI-06090	**HbA1c result** *> 7% - <= 8%*
	NKPI-06098	NKPI-06106	**HbA1c result** *> 8% - <= 10%*
	NKPI-06114	NKPI-06122	**HbA1c result** *> 10%*
Age *15-24 years*	NKPI-06067	NKPI-06075	**HbA1c result** *<= 7%*
	NKPI-06083	NKPI-06091	**HbA1c result** *> 7% - <= 8%*
	NKPI-06099	NKPI-06107	**HbA1c result** *> 8% - <= 10%*
	NKPI-06115	NKPI-06123	**HbA1c result** *> 10%*
Age *25-34 years*	NKPI-06068	NKPI-06076	**HbA1c result** *<= 7%*
	NKPI-06084	NKPI-06092	**HbA1c result** *> 7% - <= 8%*
	NKPI-06100	NKPI-06108	**HbA1c result** *> 8% - <= 10%*
	NKPI-06116	NKPI-06124	**HbA1c result** *> 10%*
Age *35-44 years*	NKPI-06069	NKPI-06077	**HbA1c result** *<= 7%*
	NKPI-06085	NKPI-06093	**HbA1c result** *> 7% - <= 8%*
	NKPI-06101	NKPI-06109	**HbA1c result** *> 8% - <= 10%*
	NKPI-06117	NKPI-06125	**HbA1c result** *> 10%*
Age *45-54 years*	NKPI-06070	NKPI-06078	**HbA1c result** *<= 7%*
	NKPI-06086	NKPI-06094	**HbA1c result** *> 7% - <= 8%*
	NKPI-06102	NKPI-06110	**HbA1c result** *> 8% - <= 10%*
	NKPI-06118	NKPI-06126	**HbA1c result** *> 10%*
Age *55-64 years*	NKPI-06071	NKPI-06079	**HbA1c result** *<= 7%*
	NKPI-06087	NKPI-06095	**HbA1c result** *> 7% - <= 8%*
	NKPI-06103	NKPI-06111	**HbA1c result** *> 8% - <= 10%*
	NKPI-06119	NKPI-06127	**HbA1c result** *> 10%*

Age *65+ years*	NKPI-06072	NKPI-06080	**HbA1c result** <= *7%*
	NKPI-06088	NKPI-06096	**HbA1c result** > *7% - <= 8%*
	NKPI-06104	NKPI-06112	**HbA1c result** > *8% - <= 10%*
	NKPI-06120	NKPI-06128	**HbA1c result** > *10%*

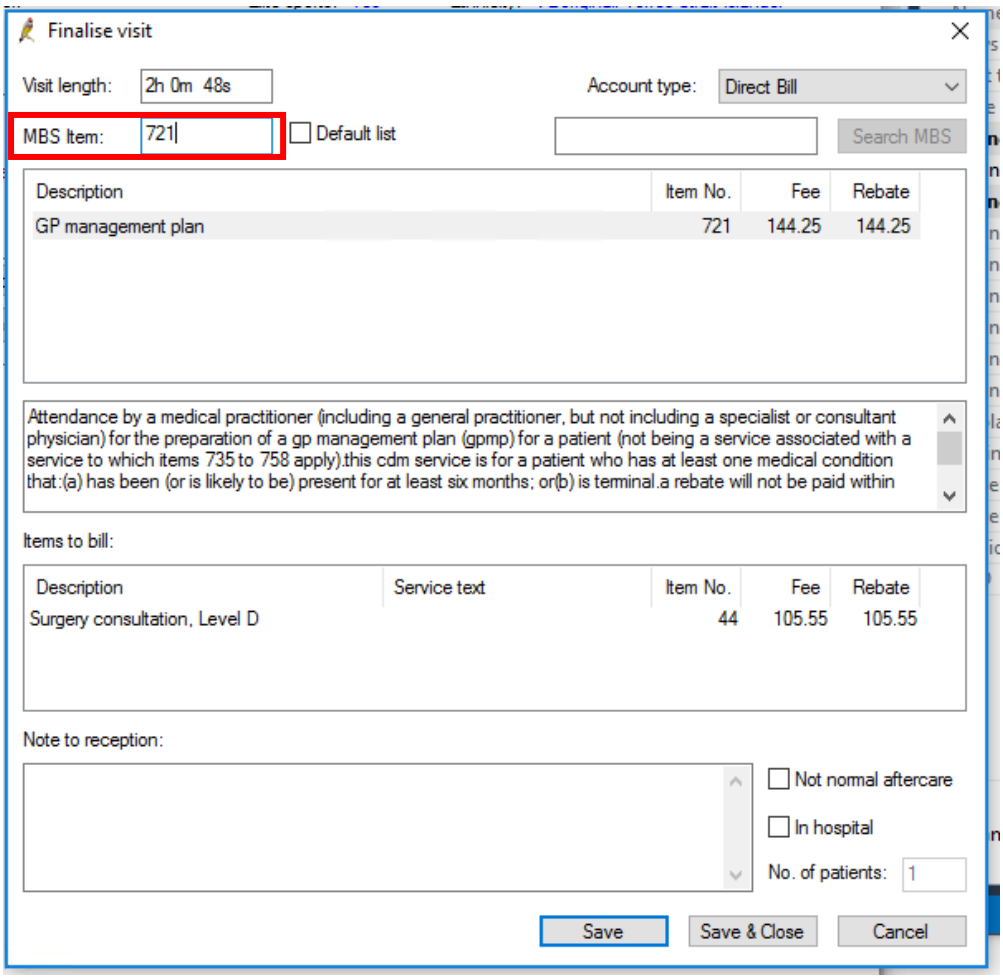
[1]Type 2 Diabetes includes the following term names within Past History: Diabetes Mellitus, NIDDM; Diabetes Mellitus, Type 2; NIDDM; Non insulin dependent Diabetes Mellitus; Type 2 Diabetes Mellitus

4.7. NKPI-07 – Clients with a given condition claiming GP Management Plan

The NKPI-07 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-07 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be aged within the range specified in the below tables for the measure, have the gender specified against the measure in the table below and have a **Past History** record matching the condition identified in the table below.



In order to appear in the numerator for a given measure, the patient must meet the conditions to appear in the denominator, as well as having a **Service** record for *MBS Item 721 or 229* (for in-person measures) or *MBS Item 92004,* 92011 (for Telehealth measures) with a **Service Date** within the previous 24 months.



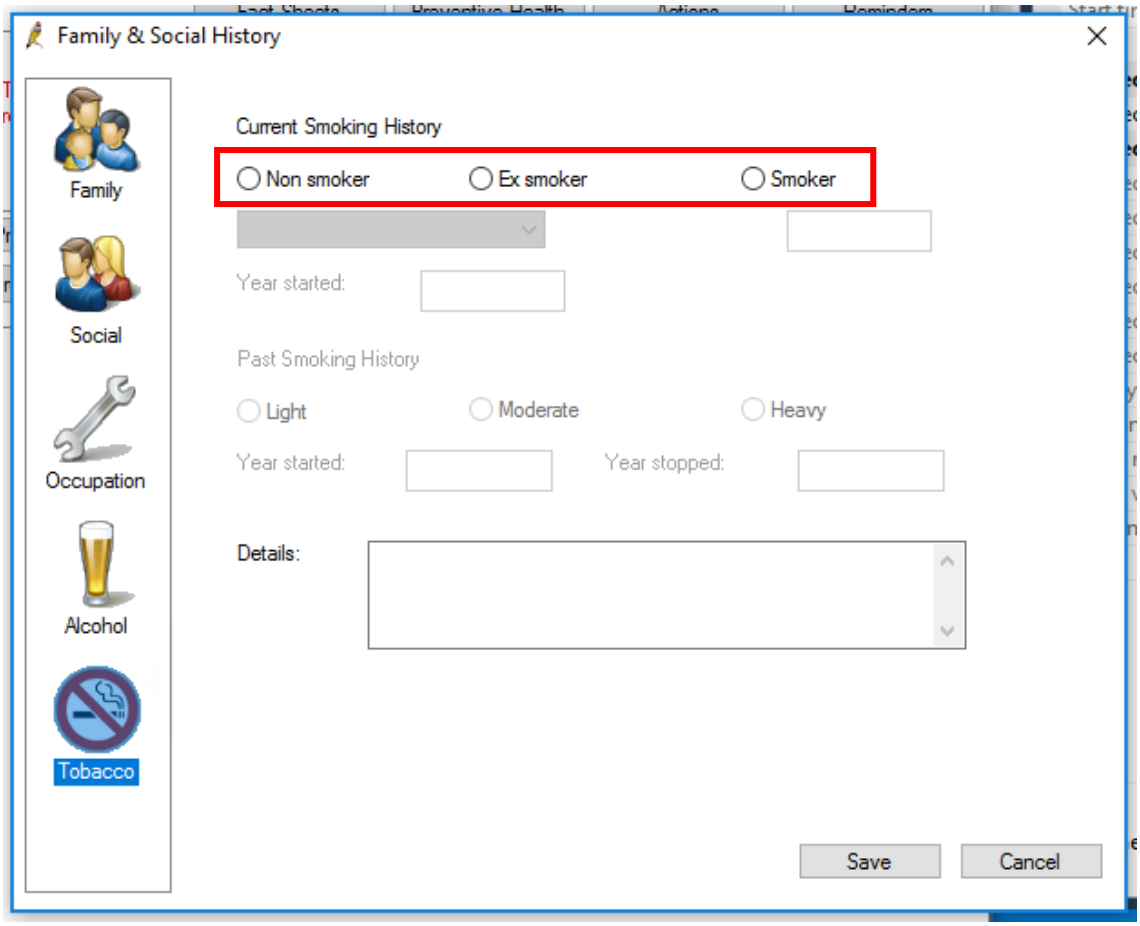
	Sex *Male*		**Sex** *Female*		
	In-person	*Telehealth*	*In-person*	*Telehealth*	
Age *0-4 years*	NKPI-07001	NKPI-07017	NKPI-07009	NKPI-07025	**Condition** *Type 2 Diabetes*[1]
Age *5-14 years*	NKPI-07002	NKPI-07018	NKPI-07010	NKPI-07026	**Condition** *Type 2 Diabetes*[1]
Age *15-24 years*	NKPI-07003	NKPI-07019	NKPI-07011	NKPI-07027	**Condition** *Type 2 Diabetes*[1]
Age *25-34 years*	NKPI-07004	NKPI-07020	NKPI-07012	NKPI-07028	**Condition** *Type 2 Diabetes*[1]
Age *35-44 years*	NKPI-07005	NKPI-07021	NKPI-07013	NKPI-07029	**Condition** *Type 2 Diabetes*[1]
Age *45-54 years*	NKPI-07006	NKPI-07022	NKPI-07014	NKPI-07030	**Condition** *Type 2 Diabetes*[1]
Age *55-64 years*	NKPI-07007	NKPI-07023	NKPI-07015	NKPI-07031	**Condition** *Type 2 Diabetes*[1]
Age *65+ years*	NKPI-07008	NKPI-07024	NKPI-07016	NKPI-07032	**Condition** *Type 2 Diabetes*[1]

[1]Type 2 Diabetes includes the following term names within Past History: Diabetes Mellitus, NIDDM; Diabetes Mellitus, Type 2; NIDDM; Non insulin dependent Diabetes Mellitus; Type 2 Diabetes Mellitus

4.8. NKPI-09 – Clients with a smoking status recorded

The NKPI-09 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-09 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be aged within the range specified in the below tables for the measure and have the gender specified against the measure in the table below.

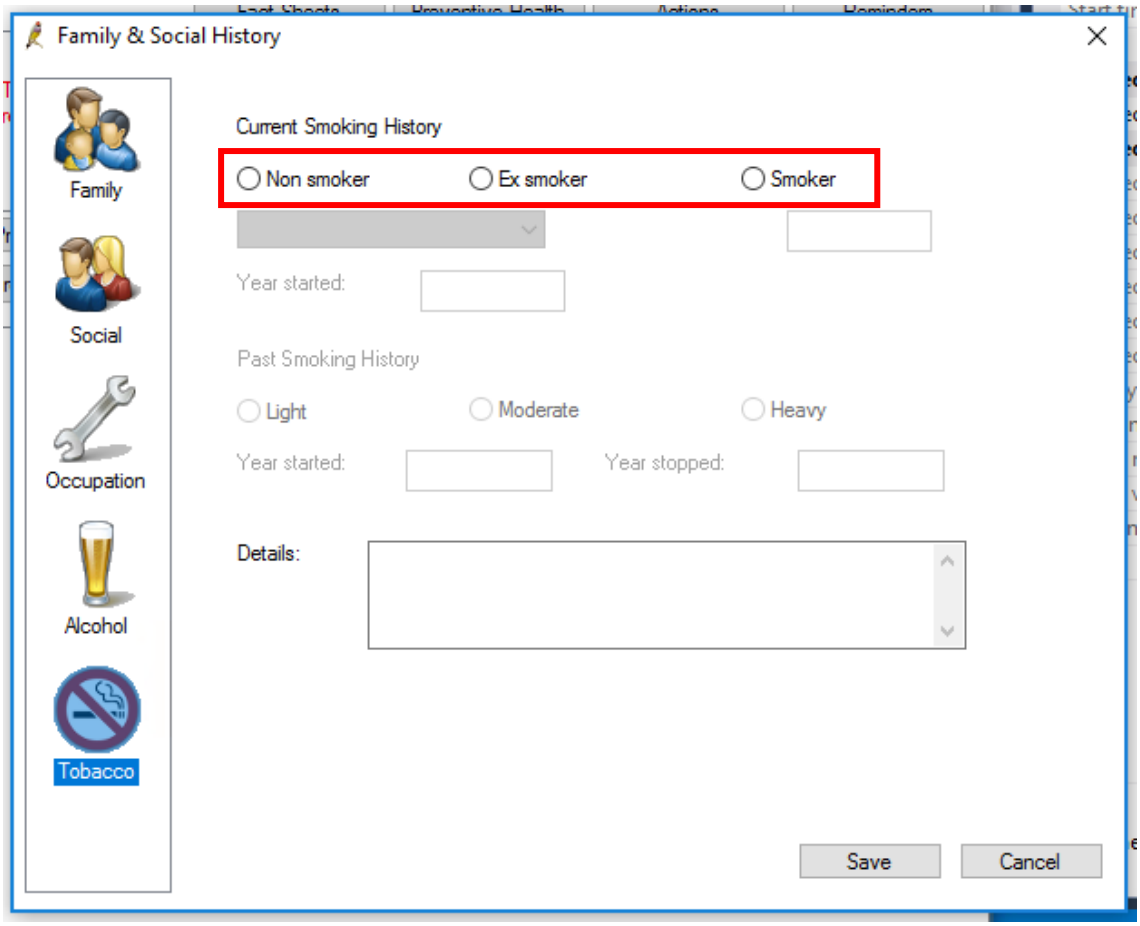
In order to appear in the numerator field, the patient must meet the criteria to appear in the denominator field, and have a **Smoking Status** recorded in the **Smoking** screen:



	Sex *Male*	**Sex** *Female*
Age *11-14 years*	NKPI-09041	NKPI-09051
Age *15-24 years*	NKPI-09001	NKPI-09007
Age *25-34 years*	NKPI-09002	NKPI-09008
Age *35-44 years*	NKPI-09003	NKPI-09009
Age *45-54 years*	NKPI-09004	NKPI-09010
Age *55-64 years*	NKPI-09005	NKPI-09011
Age *65+ years*	NKPI-09006	NKPI-09012

4.9. NKPI-10 – Clients with a specified smoking status

The NKPI-10 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-10 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be aged within the range specified in the below tables for the measure, have the gender specified against the measure in the table below, and have a **Smoking Status** recorded in the **Smoking** screen:



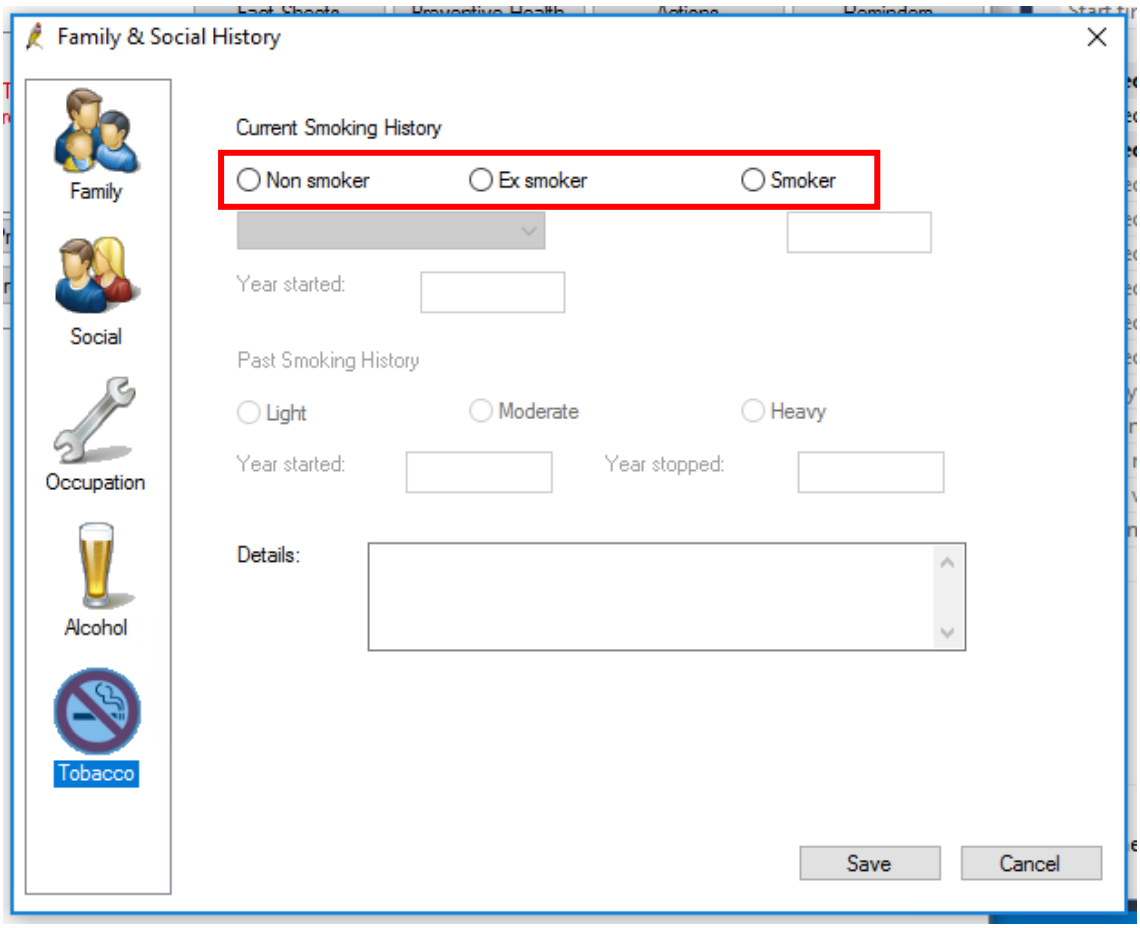
In order to appear in the numerator field, the patient must meet the criteria to appear in the denominator field, and have the **smoking status** beside the measure in the table below:

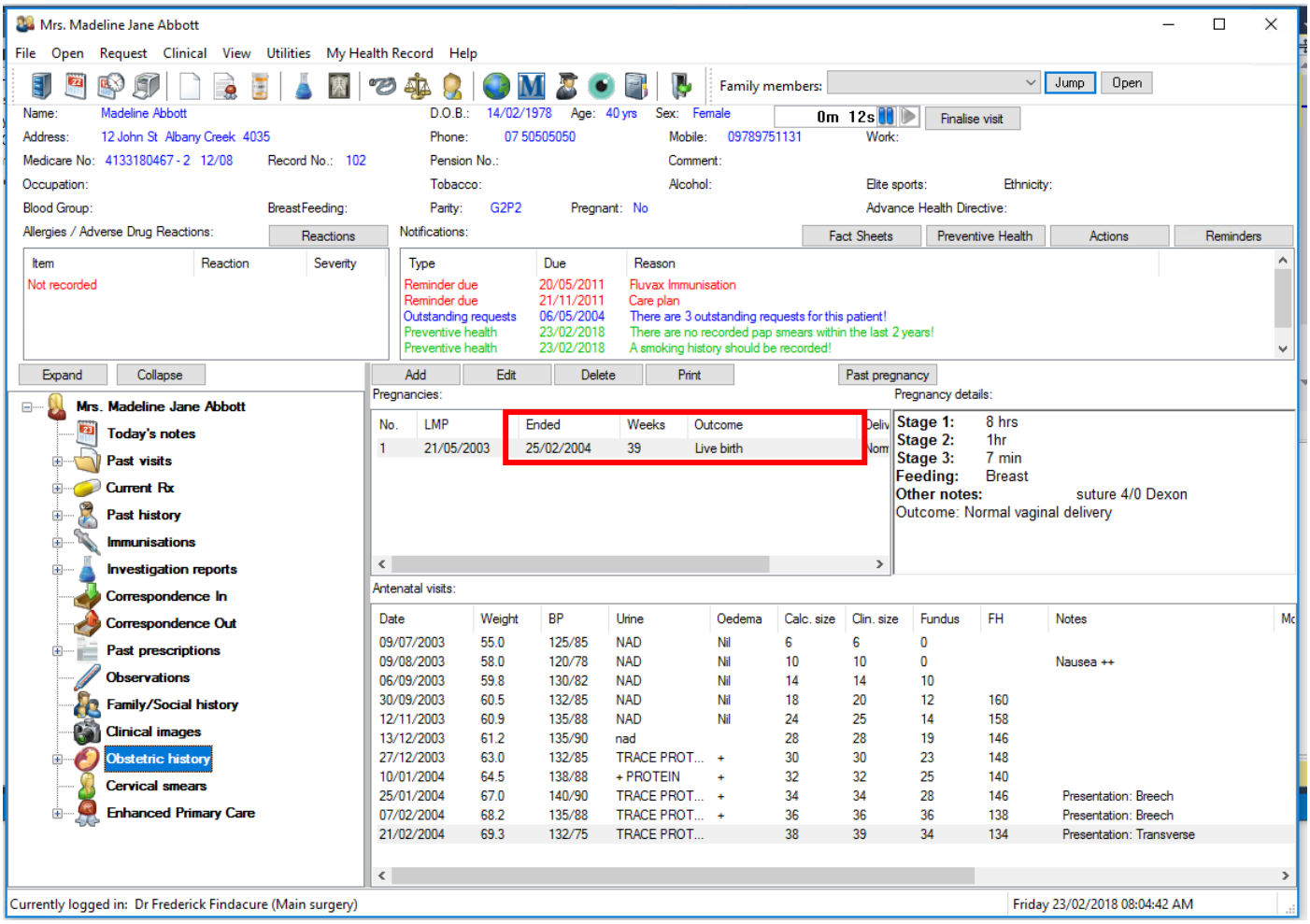
	Sex *Male*	**Sex** *Female*	
Age *11-14 years*	NKPI-10041	NKPI-10051	**Smoking Status** *Current smoker*
	NKPI-10042	NKPI-10052	**Smoking Status** *Ex smoker*
	NKPI-10043	NKPI-10053	**Smoking Status** *Non smoker*
Age *15-24 years*	NKPI-10001	NKPI-10019	**Smoking Status** *Current smoker*
	NKPI-10007	NKPI-10025	**Smoking Status** *Ex smoker*
	NKPI-10013	NKPI-10031	**Smoking Status** *Non smoker*
Age *25-34 years*	NKPI-10002	NKPI-10020	**Smoking Status** *Current smoker*
	NKPI-10008	NKPI-10026	**Smoking Status** *Ex smoker*
	NKPI-10014	NKPI-10032	**Smoking Status** *Non smoker*
Age *35-44 years*	NKPI-10003	NKPI-10021	**Smoking Status** *Current smoker*
	NKPI-10009	NKPI-10027	**Smoking Status** *Ex smoker*
	NKPI-10015	NKPI-10033	**Smoking Status** *Non smoker*
Age *45-54 years*	NKPI-10004	NKPI-10022	**Smoking Status** *Current smoker*
	NKPI-10010	NKPI-10028	**Smoking Status** *Ex smoker*

	NKPI-10016	NKPI-10034	**Smoking Status** *Non smoker*
Age *55-64 years*	NKPI-10005	NKPI-10023	**Smoking Status** *Current smoker*
	NKPI-10011	NKPI-10029	**Smoking Status** *Ex smoker*
	NKPI-10017	NKPI-10035	**Smoking Status** *Non smoker*
Age *65+ years*	NKPI-10006	NKPI-10024	**Smoking Status** *Current smoker*
	NKPI-10012	NKPI-10030	**Smoking Status** *Ex smoker*
	NKPI-10018	NKPI-10036	**Smoking Status** *Non smoker*

4.10. NKPI-11 – Smoking status of regular clients who gave birth within the previous 12 months with smoking status recorded during pregnancy

The NKPI-11 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-11 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be aged within the range specified in the below tables for the measure, have a **Smoking Status** recorded in the **Smoking** screen, and have a **Birth** recorded within the previous 12 months:



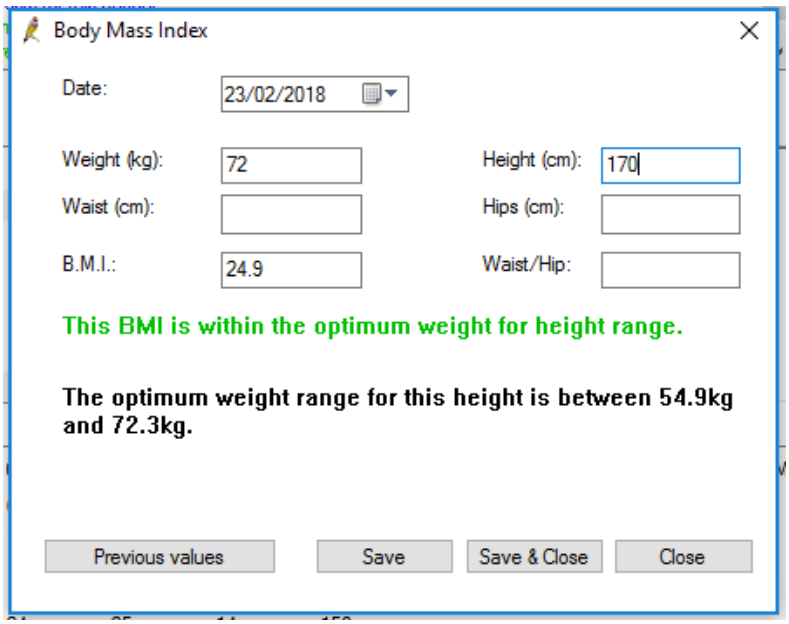


In order to appear in the numerator field, the patient must meet the criteria to appear in the denominator field, and have the **smoking status** beside the measure in the table below:

	Smoking Status *Current Smoker*	**Smoking Status** *Ex Smoker*	**Smoking Status** *Non smoker*
Age *less than 20 years*	NKPI-11021	NKPI-11023	NKPI-11025
Age *20-34 years*	NKPI-11022	NKPI-11024	NKPI-11026
Age *35+ years*	NKPI-11004	NKPI-11008	NKPI-11012

4.11. NKPI-12 – Proportion of Indigenous Regular Clients who have a BMI result within specified categories

The NKPI-12 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-12 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be aged within the range specified in the below tables for the measure, have the gender specified against the measure in the table below and have had a **BMI** recorded within the previous 24 months:



In order to appear in the numerator for this measure, the patient must meet all requirements for the denominator, and additionally their most recently recorded **BMI** must fall within the range specified in the table below:

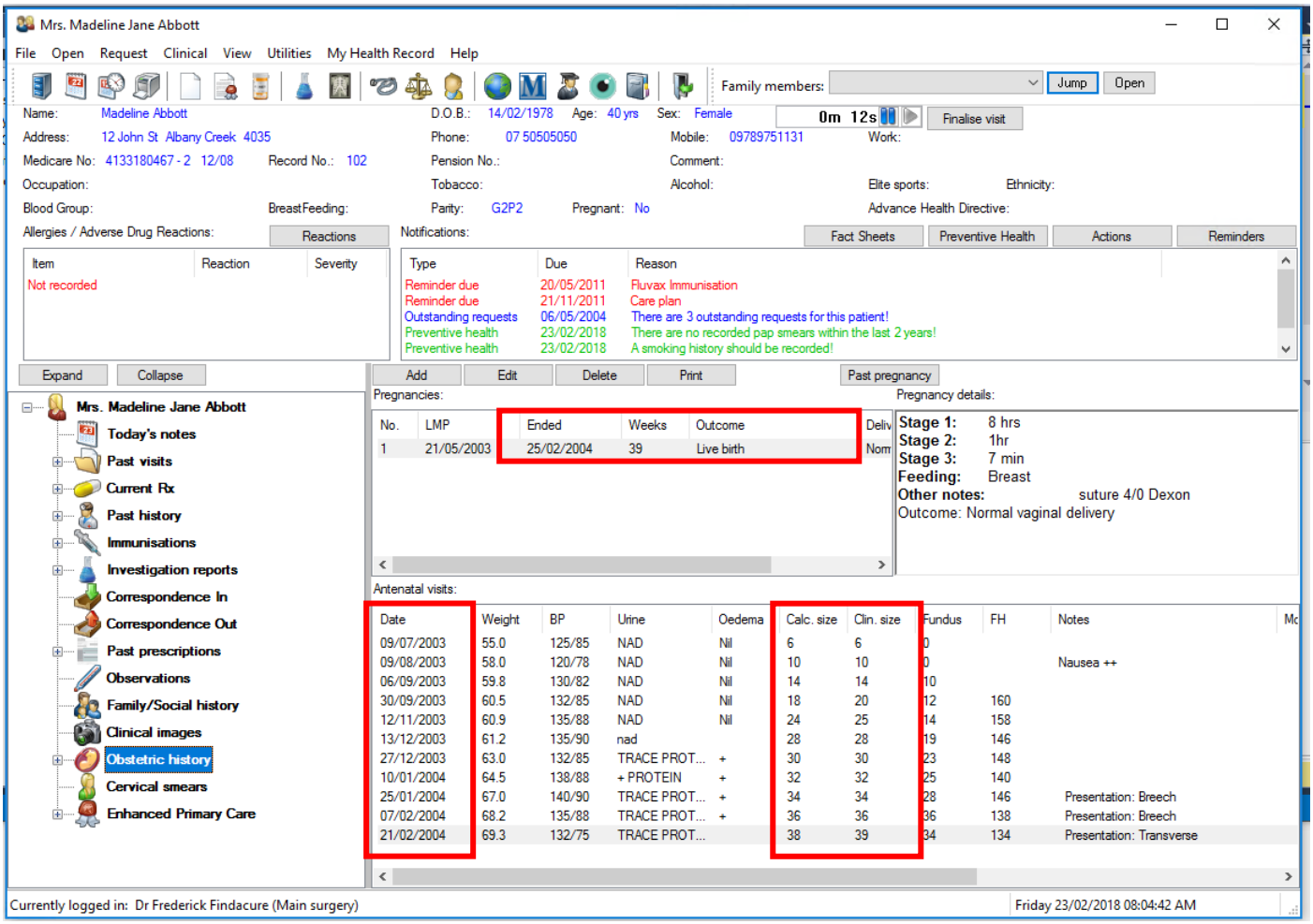
	Sex *Male*	**Sex** *Female*	
Age *18-24 years*	NKPI-12021	NKPI-12027	**BMI** <18.5 (Underweight)
	NKPI-12033	NKPI-12039	**BMI** >= *18.5 - <25* (Normal weight)
	NKPI-12045	NKPI-12051	**BMI** >= *25 - <30 (Overweight)*
	NKPI-12057	NKPI-12063	**BMI** >= *30 (Obese)*
	NKPI-12069	NKPI-12075	**BMI** (Not calculated)
Age *25-34 years*	NKPI-12022	NKPI-12028	**BMI** <18.5 (Underweight)
	NKPI-12034	NKPI-12040	**BMI** >= *18.5 - <25* (Normal weight)
	NKPI-12046	NKPI-12052	**BMI** >= *25 - <30 (Overweight)*
	NKPI-12058	NKPI-12064	**BMI** >= *30 (Obese)*
	NKPI-12070	NKPI-12076	**BMI** (Not calculated)
Age *35-44 years*	NKPI-12023	NKPI-12029	**BMI** <18.5 (Underweight)
	NKPI-12035	NKPI-12041	**BMI** >= *18.5 - <25* (Normal weight)
	NKPI-12047	NKPI-12053	**BMI** >= *25 - <30 (Overweight)*
	NKPI-12059	NKPI-12065	**BMI** >= *30 (Obese)*
	NKPI-12071	NKPI-12077	**BMI** (Not calculated)
Age *45-54 years*	NKPI-12024	NKPI-12030	**BMI** <18.5 (Underweight)
	NKPI-12036	NKPI-12042	**BMI** >= *18.5 - <25* (Normal weight)
	NKPI-12048	NKPI-12054	**BMI** >= *25 - <30 (Overweight)*
	NKPI-12060	NKPI-12066	**BMI** >= *30 (Obese)*
	NKPI-12072	NKPI-12078	**BMI** (Not calculated)
Age *55-64 years*	NKPI-12025	NKPI-12031	**BMI** <18.5 (Underweight)
	NKPI-12037	NKPI-12043	**BMI** >= *18.5 - <25* (Normal weight)

	NKPI-12049	NKPI-12055	**BMI** >= *25 - <30 (Overweight)*
	NKPI-12061	NKPI-12067	**BMI** >= *30 (Obese)*
	NKPI-12073	NKPI-12079	**BMI** (Not calculated)
Age *65+ years*	NKPI-12026	NKPI-12032	**BMI** <18.5 (Underweight)
	NKPI-12038	NKPI-12044	**BMI** >= *18.5 - <25* (Normal weight)
	NKPI-12050	NKPI-12056	**BMI** >= *25 - <30 (Overweight)*
	NKPI-12062	NKPI-12068	**BMI** >= *30 (Obese)*
	NKPI-12074	NKPI-12080	**BMI** (Not calculated)

4.12. NKPI-13 – Proportion of regular clients who gave birth within the previous 12 months who had their first antenatal visit within specified periods

The NKPI-13 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-13 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be aged within the range specified in the below tables for the measure, and have a **Birth** recorded within the previous 12 months.

In order to appear in the numerator for this measure, the patient must meet the criteria to appear in the denominator, as well as having had **gestational age** recorded for their first **Antenatal Visit** within the range specified in the below table:

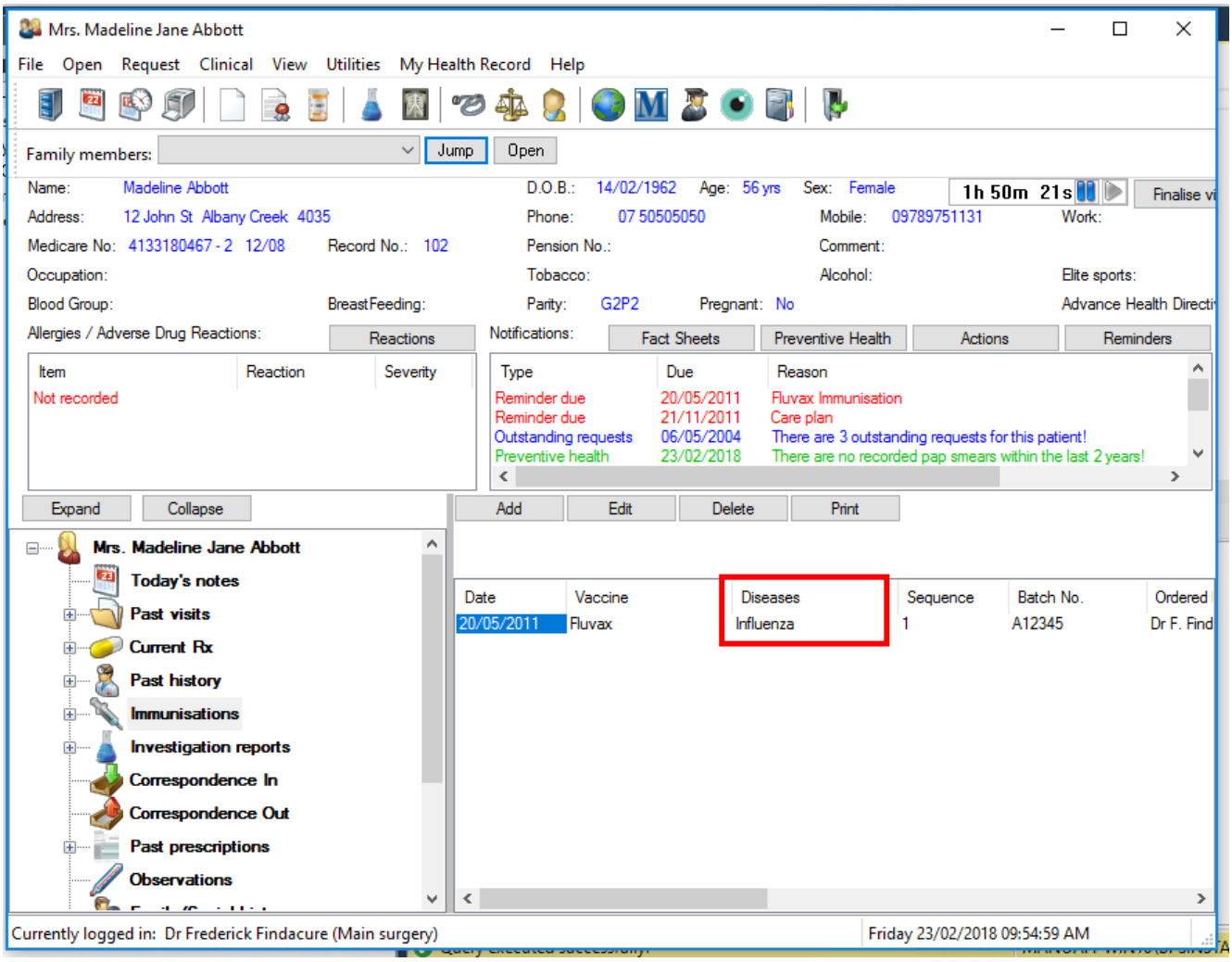


	Weeks *<11 weeks*	**Weeks** *>=11/40 – <14/40*	**Weeks** *>=14/40 – <20/40*	**Weeks** *>=20/40*	No **gestational age** recorded	No **antenatal visit** recorded
Age *<20 years*	NKPI-13021	NKPI-13024	NKPI-13027	NKPI-13007	NKPI-13010	NKPI-13013
Age *20-34 years*	NKPI-13022	NKPI-13025	NKPI-13028	NKPI-13008	NKPI-13011	NKPI-13014
Age *35+ years*	NKPI-13023	NKPI-13026	NKPI-13029	NKPI-13009	NKPI-13012	NKPI-13015

4.13. NKPI-14 – Clients immunised against Influenza

The NKPI-14 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-14 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* have a gender matching that specified in the below table and have an age range matching that specified in the below table.

In order to appear in the numerator for this measure, the patient must meet the criteria to appear in the denominator, as well as having had an **Immunisation** recorded within the previous 12 months protecting them against the *Influenza* disease:

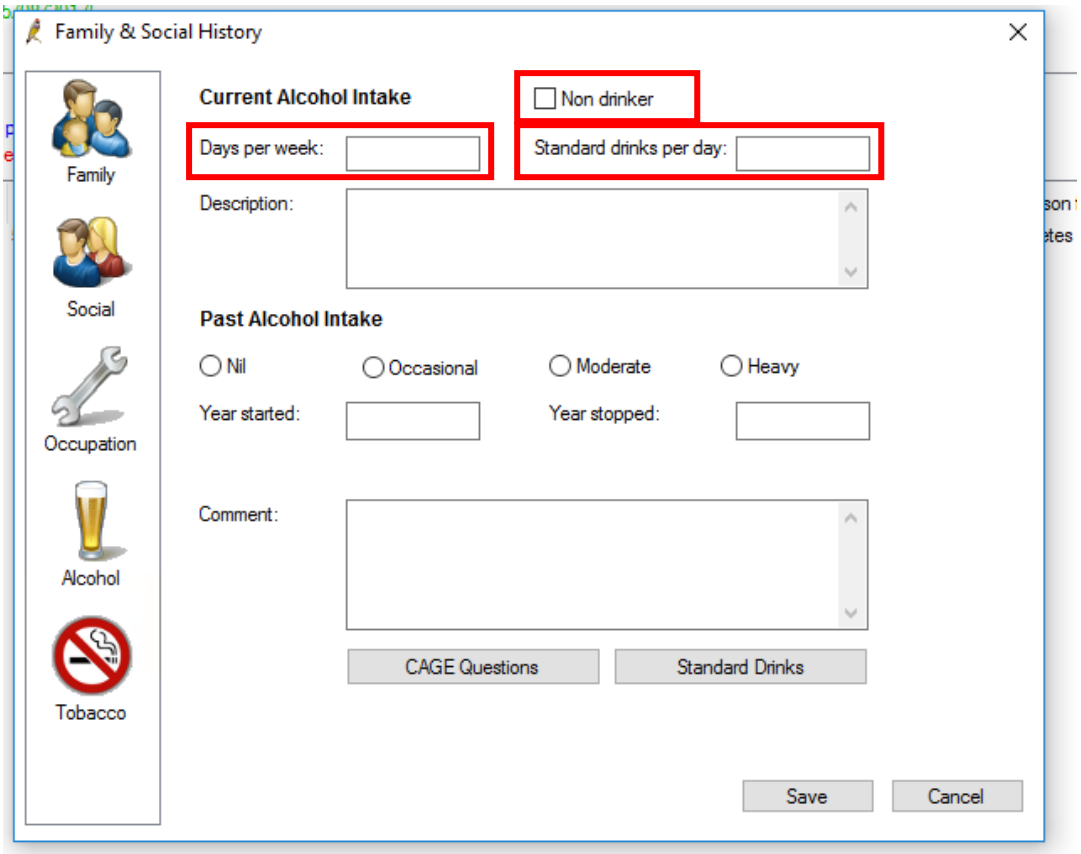


	Sex *Male*	**Sex** *Female*
Age *6 months – 4 years*	NKPI-14010	NKPI-14020
Age *5-14 years*	NKPI-14011	NKPI-14021
Age *15-24 years*	NKPI-14012	NKPI-14022
Age *25-34 years*	NKPI-14013	NKPI-14023
Age *35-44 years*	NKPI-14014	NKPI-14024
Age *45-54 years*	NKPI-14015	NKPI-14025
Age *55-64 years*	NKPI-14016	NKPI-14026
Age *65+ years*	NKPI-14017	NKPI-14027

4.14. NKPI-16 – Clients who have had their alcohol consumption status recorded within the past 24 months

The NKPI-16 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-16 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure and have the **sex** specified against the measure in the table below.

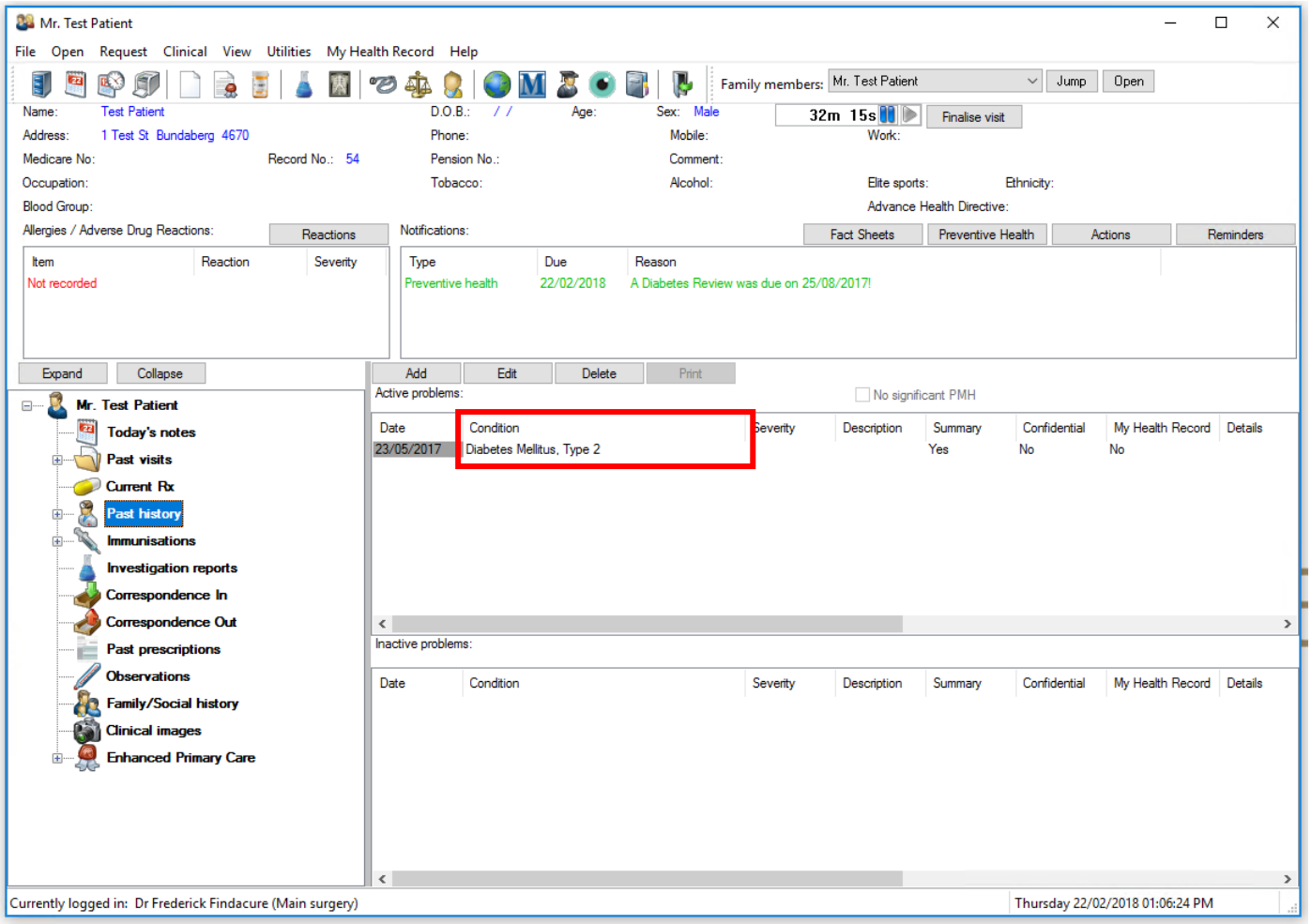
In order to appear in the numerator for a measure in this element, the patient must meet all criteria to appear in the denominator, and have either the **non-drinker** checkbox selected or the **days per week** and/or **standard drinks per day** fields filled out. Additionally, the patient's **alcohol history** must have been updated within the past 24 months – if there is no change to the patient's drinking status or amount, it is suggested that the Description or Comment field be updated indicating that the patient was asked about their alcohol status and no change was indicated.



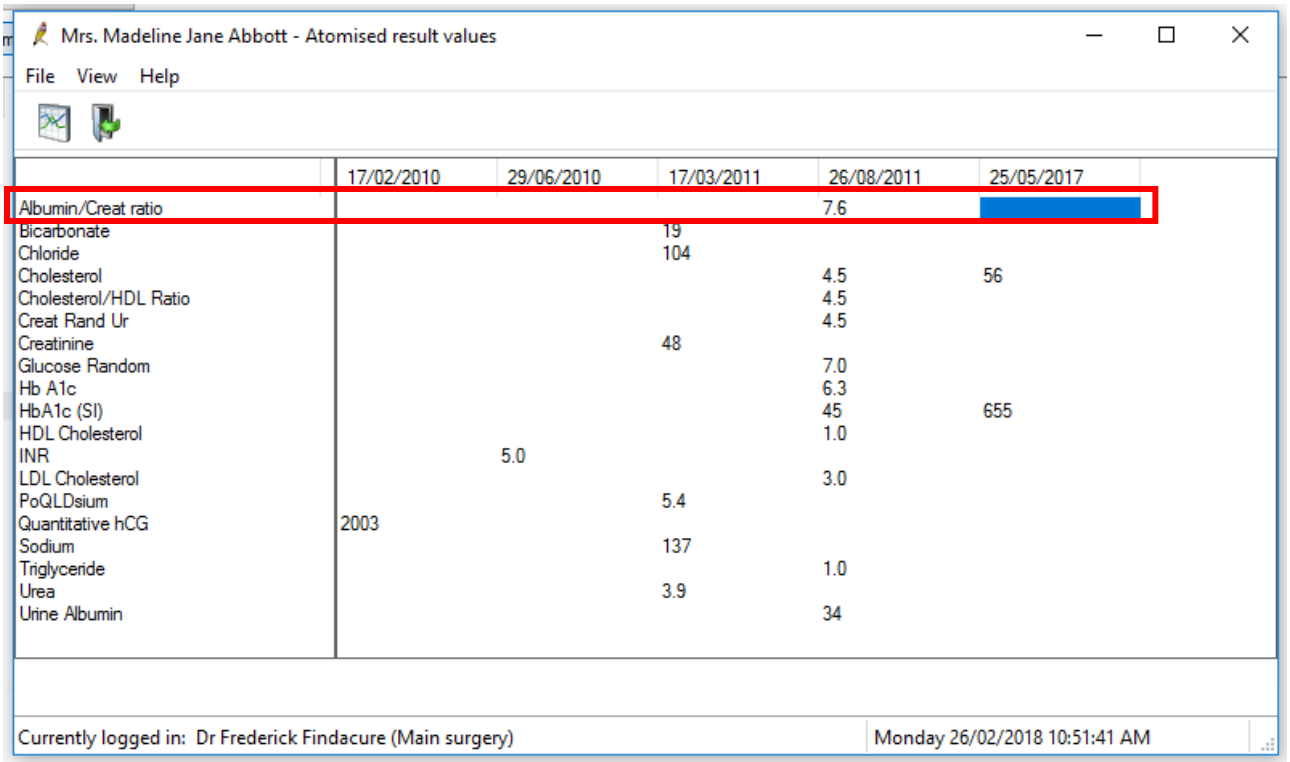
	Sex *Male*	**Sex** *Female*
Age *15-24 years*	NKPI-16001	NKPI-16007
Age *25-34 years*	NKPI-16002	NKPI-16008
Age *35-44 years*	NKPI-16003	NKPI-16009
Age *45-54 years*	NKPI-16004	NKPI-16010
Age *55-64 years*	NKPI-16005	NKPI-16011
Age *65+ years*	NKPI-16006	NKPI-16012

4.15. NKPI-18 - Clients with a given condition with a given result type recorded

The NKPI-18 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-18 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure and have the **sex** specified against the measure in the table below. They must also have had the **Condition** indicated in the table's heading recorded against their **Past History.**



In order to appear in the numerator for this measure, the patient must meet all criteria required to appear in the denominator, and additionally must have results for the test specified in the table below recorded within the previous 12 months. Results for these tests can be found in the **Atomised Values** section of the **Investigation Reports** screen:



	17/02/2010	29/06/2010	17/03/2011	26/08/2011	25/05/2017
Albumin/Creat ratio				7.6	
Bicarbonate			19		
Chloride			104		
Cholesterol				4.5	56
Cholesterol/HDL Ratio				4.5	
Creat Rand Ur				4.5	
Creatinine			48		
Glucose Random				7.0	
Hb A1c				6.3	
HbA1c (SI)				45	655
HDL Cholesterol				1.0	
INR		5.0			
LDL Cholesterol				3.0	
PoQLDsium			5.4		
Quantitative hCG	2003				
Sodium			137		
Triglyceride				1.0	
Urea			3.9		
Urine Albumin				34	

4.15.1. Type 2 Diabetes[1]

	Sex *Male*	**Sex** *Female*	
Age *18-24 years*	NKPI-18183	NKPI-18187	**eGFR Result Only**
	NKPI-18184	NKPI-18188	**ACR Result Only**
	NKPI-18185	NKPI-18189	**eGFR and ACR Result**
	NKPI-18186	NKPI-18190	**Neither an eGFR or ACR Result**
Age *25-34 years*	NKPI-18002	NKPI-18026	**eGFR Result Only**
	NKPI-18008	NKPI-18032	**ACR Result Only**
	NKPI-18014	NKPI-18038	**eGFR and ACR Result**
	NKPI-18059	NKPI-18066	**Neither an eGFR or ACR Result**
Age *35-44 years*	NKPI-18003	NKPI-18027	**eGFR Result Only**
	NKPI-18009	NKPI-18033	**ACR Result Only**
	NKPI-18015	NKPI-18039	**eGFR and ACR Result**
	NKPI-18060	NKPI-18067	**Neither an eGFR or ACR Result**
Age *45-54 years*	NKPI-18004	NKPI-18028	**eGFR Result Only**
	NKPI-18010	NKPI-18034	**ACR Result Only**
	NKPI-18016	NKPI-18040	**eGFR and ACR Result**
	NKPI-18061	NKPI-18068	**Neither an eGFR or ACR Result**
Age *55-64 years*	NKPI-18005	NKPI-18029	**eGFR Result Only**
	NKPI-18011	NKPI-18035	**ACR Result Only**
	NKPI-18017	NKPI-18041	**eGFR and ACR Result**
	NKPI-18062	NKPI-18069	**Neither an eGFR or ACR Result**
Age *65+ years*	NKPI-18006	NKPI-18030	**eGFR Result Only**
	NKPI-18012	NKPI-18036	**ACR Result Only**
	NKPI-18018	NKPI-18042	**eGFR and ACR Result**
	NKPI-18063	NKPI-18070	**Neither an eGFR or ACR Result**

4.15.2. Cardiovascular Disease[2]

	Sex *Male*	**Sex** *Female*	
Age *18-24 years*	NKPI-18191	NKPI-18195	**eGFR Result Only**
	NKPI-18192	NKPI-18196	**ACR Result Only**
	NKPI-18193	NKPI-18197	**eGFR and ACR Result**

	NKPI-18194	NKPI-18198	**Neither an eGFR or ACR Result**
Age *25-34 years*	NKPI-18073	NKPI-18101	**eGFR Result Only**
	NKPI-18080	NKPI-18108	**ACR Result Only**
	NKPI-18087	NKPI-18115	**eGFR and ACR Result**
	NKPI-18094	NKPI-18122	**Neither an eGFR or ACR Result**
Age *35-44 years*	NKPI-18074	NKPI-18102	**eGFR Result Only**
	NKPI-18081	NKPI-18109	**ACR Result Only**
	NKPI-18088	NKPI-18116	**eGFR and ACR Result**
	NKPI-18095	NKPI-18123	**Neither an eGFR or ACR Result**
Age *45-54 years*	NKPI-18075	NKPI-18103	**eGFR Result Only**
	NKPI-18082	NKPI-18110	**ACR Result Only**
	NKPI-18089	NKPI-18117	**eGFR and ACR Result**
	NKPI-18096	NKPI-18124	**Neither an eGFR or ACR Result**
Age *55-64 years*	NKPI-18076	NKPI-18104	**eGFR Result Only**
	NKPI-18083	NKPI-18111	**ACR Result Only**
	NKPI-18090	NKPI-18118	**eGFR and ACR Result**
	NKPI-18097	NKPI-18125	**Neither an eGFR or ACR Result**
Age *65+ years*	NKPI-18077	NKPI-18105	**eGFR Result Only**
	NKPI-18084	NKPI-18112	**ACR Result Only**
	NKPI-18091	NKPI-18119	**eGFR and ACR Result**
	NKPI-18098	NKPI-18126	**Neither an eGFR or ACR Result**

4.15.3. Type 2 Diabetes and/or Cardiovascular Disease[1 & 2]

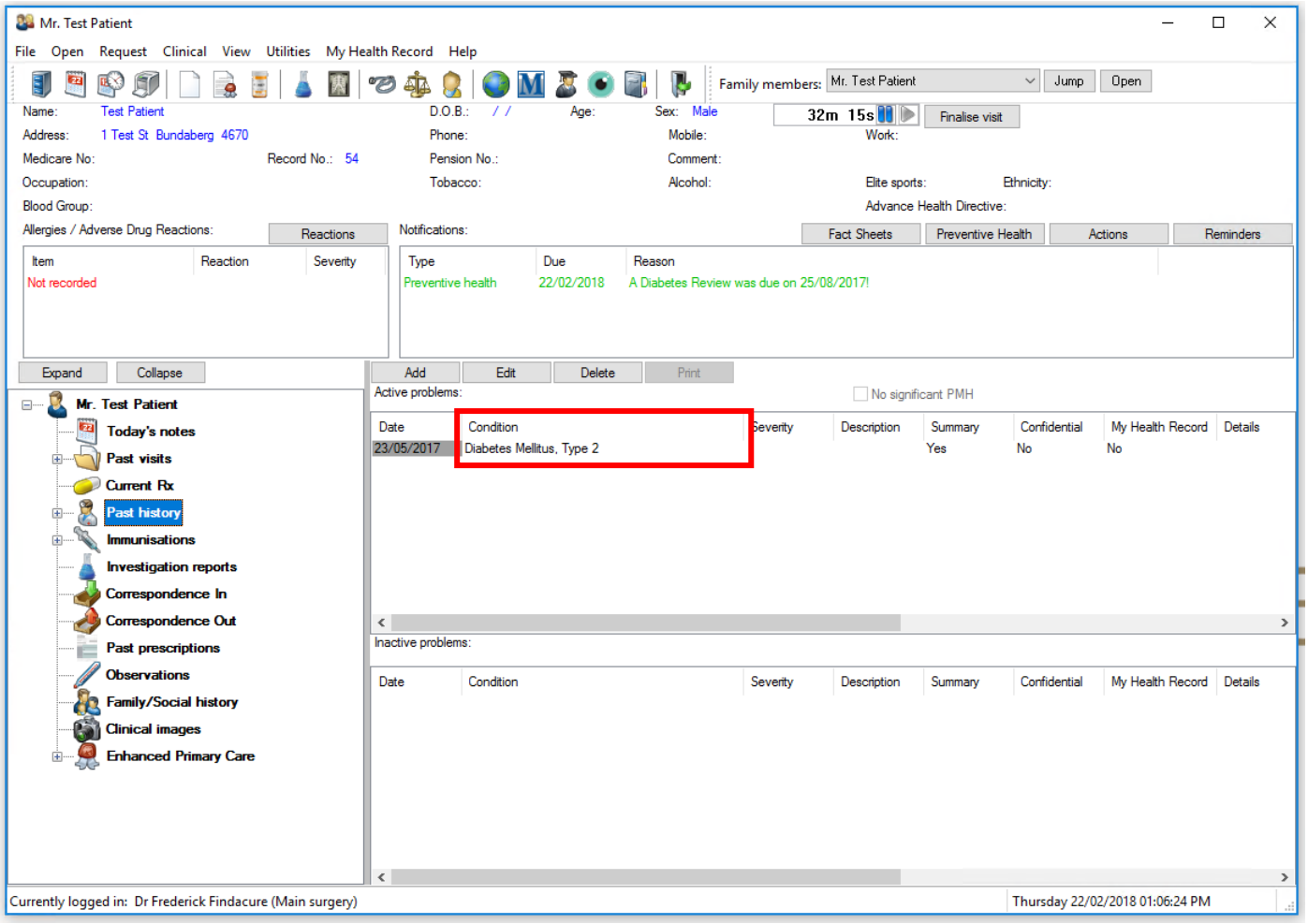
	Sex *Male*	**Sex** *Female*	
Age *18-24 years*	NKPI-18199	NKPI-18203	**eGFR Result Only**
	NKPI-18200	NKPI-18204	**ACR Result Only**
	NKPI-18201	NKPI-18205	**eGFR and ACR Result**
	NKPI-18202	NKPI-18206	**Neither an eGFR or ACR Result**
Age *25-34 years*	NKPI-18129	NKPI-18157	**eGFR Result Only**
	NKPI-18136	NKPI-18164	**ACR Result Only**
	NKPI-18143	NKPI-18171	**eGFR and ACR Result**
	NKPI-18150	NKPI-18178	**Neither an eGFR or ACR Result**
Age *35-44 years*	NKPI-18130	NKPI-18158	**eGFR Result Only**
	NKPI-18137	NKPI-18165	**ACR Result Only**
	NKPI-18144	NKPI-18172	**eGFR and ACR Result**
	NKPI-18151	NKPI-18179	**Neither an eGFR or ACR Result**
Age *45-54 years*	NKPI-18131	NKPI-18159	**eGFR Result Only**
	NKPI-18138	NKPI-18166	**ACR Result Only**
	NKPI-18145	NKPI-18173	**eGFR and ACR Result**
	NKPI-18152	NKPI-18180	**Neither an eGFR or ACR Result**
Age *55-64 years*	NKPI-18132	NKPI-18160	**eGFR Result Only**
	NKPI-18139	NKPI-18167	**ACR Result Only**
	NKPI-18146	NKPI-18174	**eGFR and ACR Result**
	NKPI-18153	NKPI-18181	**Neither an eGFR or ACR Result**
Age *65+ years*	NKPI-18133	NKPI-18161	**eGFR Result Only**
	NKPI-18140	NKPI-18168	**ACR Result Only**
	NKPI-18147	NKPI-18175	**eGFR and ACR Result**
	NKPI-18154	NKPI-18182	**Neither an eGFR or ACR Result**

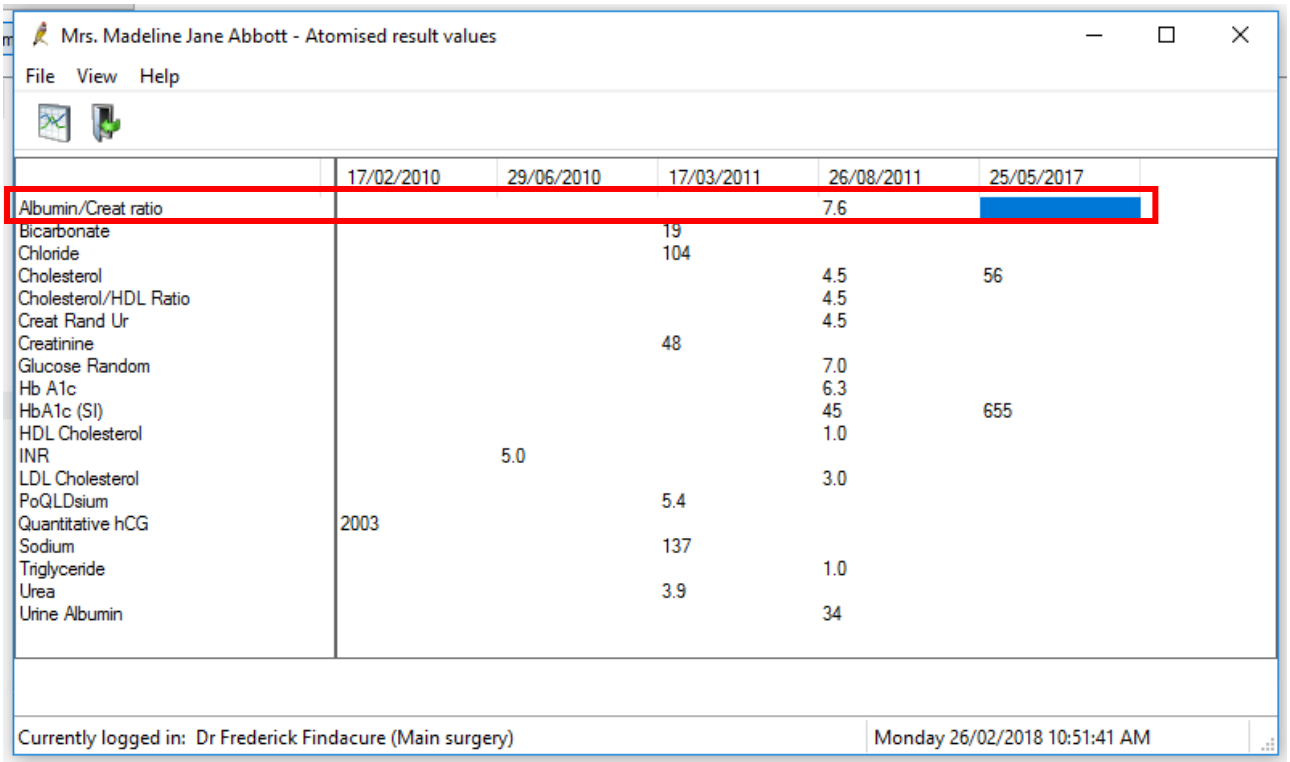
[1]Type 2 Diabetes includes the following term names within Past History: Diabetes Mellitus, NIDDM; Diabetes Mellitus, Type 2; NIDDM; Non insulin dependent Diabetes Mellitus; Type 2 Diabetes Mellitus

[2]Cardiovascular Disease includes the following term names within Past History: Abnormal heart chamber dimensions; Accessory atrioventricular pathways; Acute cardiac failure; Acute coronary insufficiency; Acute heart failure; Acute myocardial infarction; AF; Alcoholic cardiomyopathy; AMI; Amyloid cardiomyopathy; Angina pectoris; Angina, unstable; Angina; Angioplasty, coronary; Anterior myocardial infarct; Anterolateral myocardial infarct; Arrhythmia, atrial fibrillation; Arrhythmia, atrial flutter; Arrhythmia, bradycardia; Arrhythmia, nodal tachycardia; Arrhythmia, SVT; Arrhythmia, tachycardia; Arrhythmia, ventricular fibrillation; Arrhythmia, ventricular tachycardia; Atrial fibrillation; Atrial flutter; Atrial tachycardia; Atrio-Ventricular Block; Autosomal recessive long QT syndrome; AV Block; Balloon coronary angioplasty; Bigeminy; Biventricular heart failure; Bradyarrhythmia; Bradycardia; Broken heart syndrome; CABG; Cardiac bradyarrhythmia; Cardiac failure, acute; Cardiac failure; Cardioauditory syndrome; Cardiocutaneous syndrome; Cardiofaciocutaneous syndrome; Cardiogenic shock; Cardiomegaly; Cardiomyopathic lentiginosis; Cardiomyopathy, alcoholic; Cardiomyopathy, amyloid; Cardiomyopathy, congenital; Cardiomyopathy, congestive; Cardiomyopathy, dilated; Cardiomyopathy, haemochromatosis; Cardiomyopathy, hypertensive; Cardiomyopathy, hypertrophic; Cardiomyopathy, idiopathic; Cardiomyopathy, ischaemic; Cardiomyopathy, peripartum; Cardiomyopathy, restrictive; Cardiomyopathy, selenium deficiency; Cardiomyopathy; Cardiovascular disease; Cardioversion - failed; Cardioversion, elective; Cardioversion; Care plan, chronic heart disease; CCF; Chronic heart disease care plan review; Chronic heart disease care plan; Collapse; Complete heart block; Congenital cardiomyopathy; Congenital heart block; Congenital heart defect; Congenital heart disease; Congestive cardiac failure; Congestive cardiomyopathy; Congestive heart failure; Cor pulmonale; Cor Triatriatum; Coronary angioplasty with stent; Coronary angioplasty; Coronary artery bypass graft; Coronary artery disease; Coronary artery endarterectomy; Coronary artery spasm; Coronary artery stent; Coronary endarterectomy; Coronary heart disease; Coronary insufficiency; Coronary occlusion; Cyanotic heart disease; Diastolic cardiac dysfunction; Diastolic heart failure; Dilated cardiomyopathy; Dressler's syndrome; Ectopics, ventricular; Elective cardioversion; Fibrillation, atrial; Fibrillation, ventricular; First degree heart block; Haemochromatosis cardiomyopathy; Heart attack; Heart block, congenital; Heart block, first degree; Heart block, second degree; Heart block, third degree; Heart block; Heart disease, valvular; Heart disease; Heart enlarged; Heart failure - mid range ejection fraction; Heart failure - preserved ejection fraction; Heart failure - reduced ejection fraction; Heart failure, acute; Heart failure, high output; Heart failure, left; Heart failure; Heart sounds - Split; Heart sounds - Triple rhythm; Heart surgery; Heart transplant; Heart valve replacement; HFmrEF; HFpEF; HFrEF; High output cardiac failure; High output heart failure; Hypertensive cardiomyopathy; Hypertensive heart disease; Hypertensive heart failure; Hypertrophic cardiomyopathy; Hypoplastic left heart syndrome; Idiopathic cardiomyopathy; IHD; Inferior myocardial infarction; Intraventricular Block; Intraventricular Heart Block; Ischaemic cardiomyopathy; Ischaemic heart disease; Jervell and Lange-Nielsen syndrome; Keshan disease; Left heart failure; Left Ventricular Failure; LEOPARD syndrome; LHF; LVF; MI; Mobitz type 1 A-V Block; Mobitz type 2 A-V Block; Multiple lentigines syndrome; Myocardial infarction, anterior; Myocardial infarction, anterolateral; Myocardial infarction, inferior; Myocardial infarction, Non STEMI; Myocardial infarction, posterior; Myocardial infarction, STEMI; Myocardial infarction, subendocardial; Myocardial infarction, superior; Myocardial infarction; Neurocardiogenic syncope; Nodal tachycardia; Non ST elevation myocardial infarction; NSTEMI; Occlusion, Coronary artery; Open heart surgery; Organic Heart Disease; PCTA; Percutaneous transluminal angioplasty; Percutaneous transluminal coronary angioplasty; Peripartum cardiomyopathy; Post streptococcal heart disease; Post streptococcal valve disease; Postcardiotomy syndrome; Posterior myocardial infarct; Postmyocardial infarction syndrome; Postpericardiotomy syndrome; Preexcitation syndrome; Preinfarction syndrome; Premature ventricular contractions; Prinzmetal angina; Progressive cardiomyopathic lentiginosis; Prosthetic heart valve endocarditis; Prosthetic heart valve; Rapid AF; Rapid atrial fibrillation; Rapid pulse; Restrictive cardiomyopathy; Rheumatic heart disease; Rheumatic myocarditis; Rheumatic pancarditis; Rheumatic valve disease; RHF; Right heart failure; Right ventricular failure; RVF; Second degree heart block; Shock, cardiogenic; Sick sinus syndrome; Sino-Atrial heart block; Sinus node dysfunction; Split heart sounds; ST elevation myocardial infarction; STEMI; Stent, coronary artery; Stress-induced cardiomyopathy; Subendocardial infarct; Subendocardial myocardial infarct; Superior myocardial infarct; Supraventricular tachycardia; Surdocardiac syndrome; SVT; Syncope, vasovagal; Systolic cardiac dysfunction; Systolic heart failure; Tachycardia, nodal; Tachycardia, supraventricular; Tachycardia, ventricular; Tachycardia; Takotsubo cardiomyopathy; Third degree heart block; Transient apical ballooning; Transplant, heart; Triatrial heart; Triple rhythm heart sounds; Unstable angina; Valvular disease of heart; Valvular heart disease; Variant angina; Vasovagal attack; Vasovagal syncope; Ventricular bigeminy; Ventricular diastolic dysfunction; Ventricular ectopics; Ventricular extrasystoles; Ventricular fibrillation; Ventricular tachycardia; VF; VT; Wenkebach phenomenon; Wolff Parkinson White syndrome; WPW;

4.16. NKPI-19 – Clients with a given condition whose test results fall within a given range

The NKPI-19 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-19 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure and have the **sex** specified against the measure in the table below. They must also have had the **Condition** indicated in the table's heading recorded against their **Past History** and have the test indicated in stored in their **Atomised Results** page**.**





	17/02/2010	29/06/2010	17/03/2011	26/08/2011	25/05/2017
Albumin/Creat ratio				7.6	
Bicarbonate			19		
Chloride			104		
Cholesterol				4.5	56
Cholesterol/HDL Ratio				4.5	
Creat Rand Ur				4.5	
Creatinine			48		
Glucose Random				7.0	
Hb A1c				6.3	
HbA1c (SI)				45	655
HDL Cholesterol				1.0	
INR		5.0			
LDL Cholesterol				3.0	
PoQLDsium			5.4		
Quantitative hCG	2003				
Sodium			137		
Triglyceride				1.0	
Urea			3.9		
Urine Albumin				34	

In order to appear in the numerator for this measure, the patient must meet all criteria required to appear in the denominator, and additionally their most recent result for the given test must have the result range specified in the tables below for the given test.

4.16.1. Type 2 Diabetes[1]

	Sex *Male*	**Sex** *Female*	
Age *18-24 years*	NKPI-19433		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19437	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19434		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR Result** *>=2.5 - <=25*
		NKPI-19438	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19435		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19439	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19436		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19440	**eGFR Result** *>=30 and* **ACR Result** *>35 OR* **eGFR Result** *<30 and any* **ACR Result**
Age *25-34 years*	NKPI-19183		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19225	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19190		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19232	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19197		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19239	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19204		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**

		NKPI-19246	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**
Age *35-44 years*	NKPI-19184		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19226	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19191		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19233	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19198		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19240	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19205		**eGFR Result** *>=30 and* **ACR Result** *>25* *OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19247	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**
Age *45-54 years*	NKPI-19185		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19227	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19192		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19234	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19199		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19241	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19206		**eGFR Result** *>=30 and* **ACR Result** *>25* *OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19248	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**
Age *55-64 years*	NKPI-19186		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19228	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19193		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19235	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19200		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19242	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19207		**eGFR Result** *>=30 and* **ACR Result** *>25* *OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19249	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**
Age *65+ years*	NKPI-19187		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19229	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19194		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19236	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19201		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19243	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19208		**eGFR Result** *>=30 and* **ACR Result** *>25* *OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19250	**eGFR Result** *>=30 and* **ACR Result** *>35*

			OR **eGFR Result** *<30 and any* **ACR Result**

4.16.2. Cardiovascular Disease[2]

	Sex *Male*	**Sex** *Female*	
Age *18-24 years*	NKPI-19441		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19445	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19442		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19446	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19443		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19447	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19444		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19448	**eGFR Result** *>=30 and* **ACR Result** *>35 OR* **eGFR Result** *<30 and any* **ACR Result**
Age *25-34 years*	NKPI-19267		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19309	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19274		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19316	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19281		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19323	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19288		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19330	**eGFR Result** *>=30 and* **ACR Result** *>35 OR* **eGFR Result** *<30 and any* **ACR Result**
Age *35-44 years*	NKPI-19268		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19310	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19275		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19317	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19282		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19324	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19289		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19331	**eGFR Result** *>=30 and* **ACR Result** *>35 OR* **eGFR Result** *<30 and any* **ACR Result**
Age *45-54 years*	NKPI-19269		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19311	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19276		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19318	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19283		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19325	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19290		**eGFR Result** *>=30 and* **ACR Result** *>25*

			OR **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19332	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**
Age *55-64 years*	NKPI-19270		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19312	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19277		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19319	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19284		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19326	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19291		**eGFR Result** *>=30 and* **ACR Result** *>25* *OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19333	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**
Age *65+ years*	NKPI-19271		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19313	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19278		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19320	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19285		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19327	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19292		**eGFR Result** *>=30 and* **ACR Result** *>25* *OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19334	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**

4.16.3. Type 2 Diabetes and/or Cardiovascular Disease[1 & 2]

	Sex *Male*	**Sex** *Female*	
Age *18-24 years*	NKPI-19449		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19453	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19450		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19454	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19451		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19455	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19452		**eGFR Result** *>=30 and* **ACR Result** *>25* *OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19456	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**
Age *25-34 years*	NKPI-19351		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19393	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19358		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19400	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19365		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*

		NKPI-19407	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19372		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19414	**eGFR Result** *>=30 and* **ACR Result** *>35 OR* **eGFR Result** *<30 and any* **ACR Result**
Age *35-44 years*	NKPI-19352		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19394	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19359		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19401	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19366		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19408	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19373		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19415	**eGFR Result** *>=30 and* **ACR Result** *>35 OR* **eGFR Result** *<30 and any* **ACR Result**
Age *45-54 years*	NKPI-19353		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19395	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19360		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19402	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19367		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19409	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19374		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19416	**eGFR Result** *>=30 and* **ACR Result** *>35 OR* **eGFR Result** *<30 and any* **ACR Result**
Age *55-64 years*	NKPI-19354		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19396	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19361		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19403	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19368		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*
		NKPI-19410	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19375		**eGFR Result** *>=30 and* **ACR Result** *>25 OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19417	**eGFR Result** *>=30 and* **ACR Result** *>35 OR* **eGFR Result** *<30 and any* **ACR Result**
Age *65+ years*	NKPI-19355		**eGFR Result** *>=60 and* **ACR Result** *<2.5*
		NKPI-19397	**eGFR Result** *>=60 and* **ACR Result** *<3.5*
	NKPI-19362		**eGFR Result** *>=45 - <60 and* **ACR Result** *<2.5 OR* **eGFR Result** *>=60 and* **ACR** *>=2.5 - <=25*
		NKPI-19404	**eGFR Result** *>=45 - <60 and* **ACR Result** *<3.5 OR* **eGFR Result** *>=60 and* **ACR** *>=3.5 - <=35*
	NKPI-19369		**eGFR Result** *>=45 - <60 and* **ACR Result** *>=2.5 - <=25 OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<25*

		NKPI-19411	**eGFR Result** *>=45 - <60 and* **ACR Result** *>=3.5 - <=35* *OR* **eGFR Result** *>=30 - <45 and* **ACR Result** *<35*
	NKPI-19376		**eGFR Result** *>=30 and* **ACR Result** *>25* *OR* **eGFR Result** *<30 and any* **ACR Result**
		NKPI-19418	**eGFR Result** *>=30 and* **ACR Result** *>35* *OR* **eGFR Result** *<30 and any* **ACR Result**

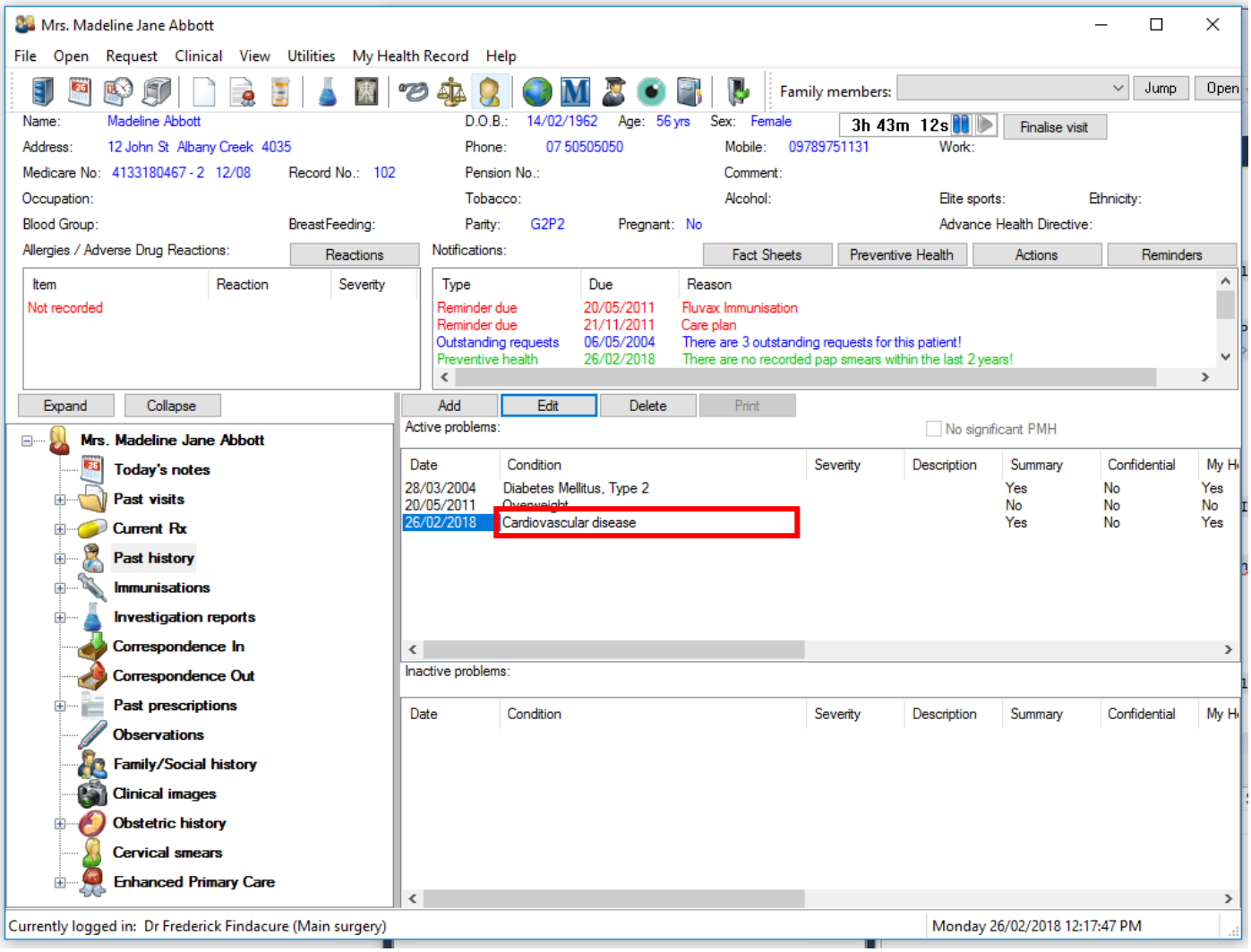
[1]Type 2 Diabetes includes the following term names within Past History: Diabetes Mellitus, NIDDM; Diabetes Mellitus, Type 2; NIDDM; Non insulin dependent Diabetes Mellitus; Type 2 Diabetes Mellitus

[2]Cardiovascular Disease includes the following term names within Past History: Abnormal heart chamber dimensions; Accessory atrioventricular pathways; Acute cardiac failure; Acute coronary insufficiency; Acute heart failure; Acute myocardial infarction; AF; Alcoholic cardiomyopathy; AMI; Amyloid cardiomyopathy; Angina pectoris; Angina, unstable; Angina; Angioplasty, coronary; Anterior myocardial infarct; Anterolateral myocardial infarct; Arrhythmia, atrial fibrillation; Arrhythmia, atrial flutter; Arrhythmia, bradycardia; Arrhythmia, nodal tachycardia; Arrhythmia, SVT; Arrhythmia, tachycardia; Arrhythmia, ventricular fibrillation; Arrhythmia, ventricular tachycardia; Atrial fibrillation; Atrial flutter; Atrial tachycardia; Atrio-Ventricular Block; Autosomal recessive long QT syndrome; AV Block; Balloon coronary angioplasty; Bigeminy; Biventricular heart failure; Bradyarrhythmia; Bradycardia; Broken heart syndrome; CABG; Cardiac bradyarrhythmia; Cardiac failure, acute; Cardiac failure; Cardioauditory syndrome; Cardiocutaneous syndrome; Cardiofaciocutaneous syndrome; Cardiogenic shock; Cardiomegaly; Cardiomyopathic lentiginosis; Cardiomyopathy, alcoholic; Cardiomyopathy, amyloid; Cardiomyopathy, congenital; Cardiomyopathy, congestive; Cardiomyopathy, dilated; Cardiomyopathy, haemochromatosis; Cardiomyopathy, hypertensive; Cardiomyopathy, hypertrophic; Cardiomyopathy, idiopathic; Cardiomyopathy, ischaemic; Cardiomyopathy, peripartum; Cardiomyopathy, restrictive; Cardiomyopathy, selenium deficiency; Cardiomyopathy; Cardiovascular disease; Cardioversion - failed; Cardioversion, elective; Cardioversion; Care plan, chronic heart disease; CCF; Chronic heart disease care plan review; Chronic heart disease care plan; Collapse; Complete heart block; Congenital cardiomyopathy; Congenital heart block; Congenital heart defect; Congenital heart disease; Congestive cardiac failure; Congestive cardiomyopathy; Congestive heart failure; Cor pulmonale; Cor Triatriatum; Coronary angioplasty with stent; Coronary angioplasty; Coronary artery bypass graft; Coronary artery disease; Coronary artery endarterectomy; Coronary artery spasm; Coronary artery stent; Coronary endarterectomy; Coronary heart disease; Coronary insufficiency; Coronary occlusion; Cyanotic heart disease; Diastolic cardiac dysfunction; Diastolic heart failure; Dilated cardiomyopathy; Dressler's syndrome; Ectopics, ventricular; Elective cardioversion; Fibrillation, atrial; Fibrillation, ventricular; First degree heart block; Haemochromatosis cardiomyopathy; Heart attack; Heart block, congenital; Heart block, first degree; Heart block, second degree; Heart block, third degree; Heart block; Heart disease, valvular; Heart disease; Heart enlarged; Heart failure - mid range ejection fraction; Heart failure - preserved ejection fraction; Heart failure - reduced ejection fraction; Heart failure, acute; Heart failure, high output; Heart failure, left; Heart failure; Heart sounds - Split; Heart sounds - Triple rhythm; Heart surgery; Heart transplant; Heart valve replacement; HFmrEF; HFpEF; HFrEF; High output cardiac failure; High output heart failure; Hypertensive cardiomyopathy; Hypertensive heart disease; Hypertensive heart failure; Hypertrophic cardiomyopathy; Hypoplastic left heart syndrome; Idiopathic cardiomyopathy; IHD; Inferior myocardial infarction; Intraventricular Block; Intraventricular Heart Block; Ischaemic cardiomyopathy; Ischaemic heart disease; Jervell and Lange-Nielsen syndrome; Keshan disease; Left heart failure; Left Ventricular Failure; LEOPARD syndrome; LHF; LVF; MI; Mobitz type 1 A-V Block; Mobitz type 2 A-V Block; Multiple lentigines syndrome; Myocardial infarction, anterior; Myocardial infarction, anterolateral; Myocardial infarction, inferior; Myocardial infarction, Non STEMI; Myocardial infarction, posterior; Myocardial infarction, STEMI; Myocardial infarction, subendocardial; Myocardial infarction, superior; Myocardial infarction; Neurocardiogenic syncope; Nodal tachycardia; Non ST elevation myocardial infarction; NSTEMI; Occlusion, Coronary artery; Open heart surgery; Organic Heart Disease; PCTA; Percutaneous transluminal angioplasty; Percutaneous transluminal coronary angioplasty; Peripartum cardiomyopathy; Post streptococcal heart disease; Post streptococcal valve disease; Postcardiotomy syndrome; Posterior myocardial infarct; Postmyocardial infarction syndrome; Postpericardiotomy syndrome; Preexcitation syndrome; Preinfarction syndrome; Premature ventricular contractions; Prinzmetal angina; Progressive cardiomyopathic lentiginosis; Prosthetic heart valve endocarditis; Prosthetic heart valve; Rapid AF; Rapid atrial fibrillation; Rapid pulse; Restrictive cardiomyopathy; Rheumatic heart disease; Rheumatic myocarditis;

Rheumatic pancarditis; Rheumatic valve disease; RHF; Right heart failure; Right ventricular failure; RVF; Second degree heart block; Shock, cardiogenic; Sick sinus syndrome; Sino-Atrial heart block; Sinus node dysfunction; Split heart sounds; ST elevation myocardial infarction; STEMI; Stent, coronary artery; Stress-induced cardiomyopathy; Subendocardial infarct; Subendocardial myocardial infarct; Superior myocardial infarct; Supraventricular tachycardia; Surdocardiac syndrome; SVT; Syncope, vasovagal; Systolic cardiac dysfunction; Systolic heart failure; Tachycardia, nodal; Tachycardia, supraventricular; Tachycardia, ventricular; Tachycardia; Takotsubo cardiomyopathy; Third degree heart block; Transient apical ballooning; Transplant, heart; Triatrial heart; Triple rhythm heart sounds; Unstable angina; Valvular disease of heart; Valvular heart disease; Variant angina; Vasovagal attack; Vasovagal syncope; Ventricular bigeminy; Ventricular diastolic dysfunction; Ventricular ectopics; Ventricular extrasystoles; Ventricular fibrillation; Ventricular tachycardia; VF; VT; Wenkebach phenomenon; Wolff Parkinson White syndrome; WPW;

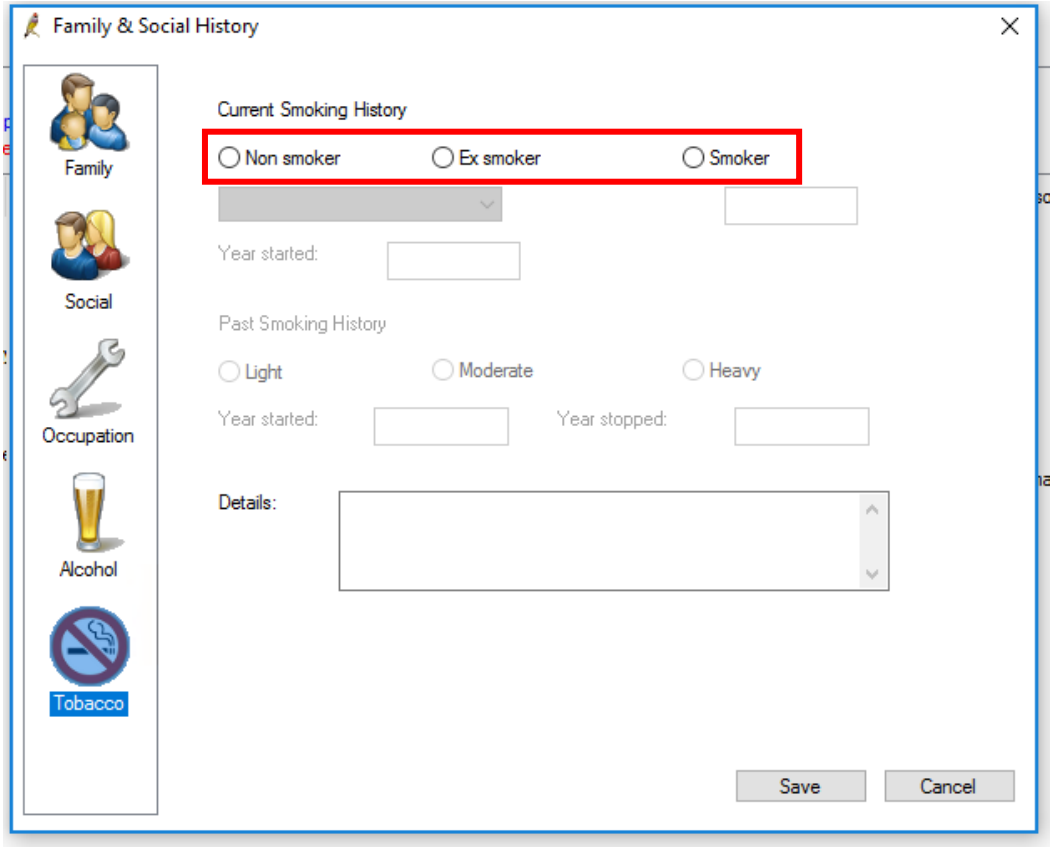
4.17. NKPI-20 – Clients with no known Cardiovascular Disease with information available to calculate their CVD risk

The NKPI-20 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-20 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure, have the **sex** specified against the measure in the table below and have no **Past History** record for a **condition** that is a *Cardiovascular Disease*[1].

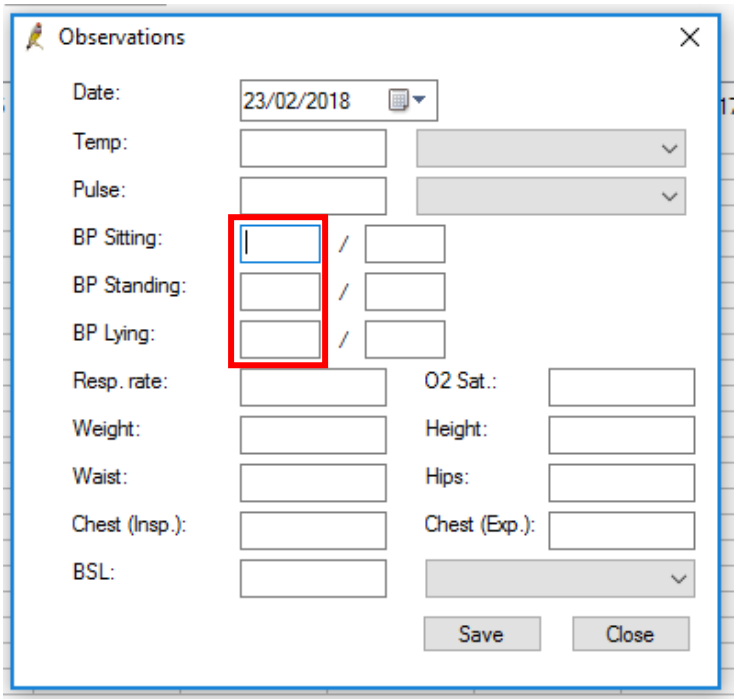


In order to appear in the numerator for this measure, the Patient must meet all criteria required to appear in the denominator, and all the information required to calculate their **absolute CVD risk** must be present in the database recorded within the past 24 months. Data that must be present includes:

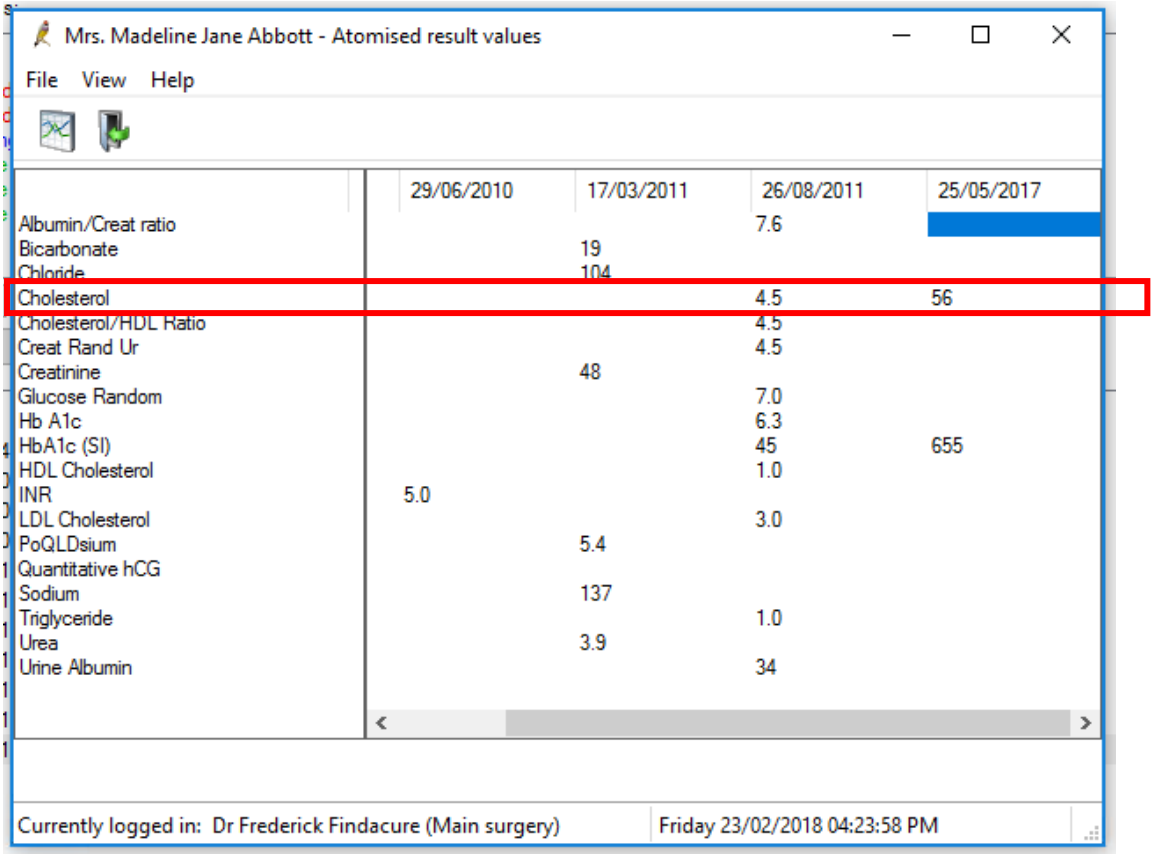
Smoking Status
Recorded in the **Smoking** screen:



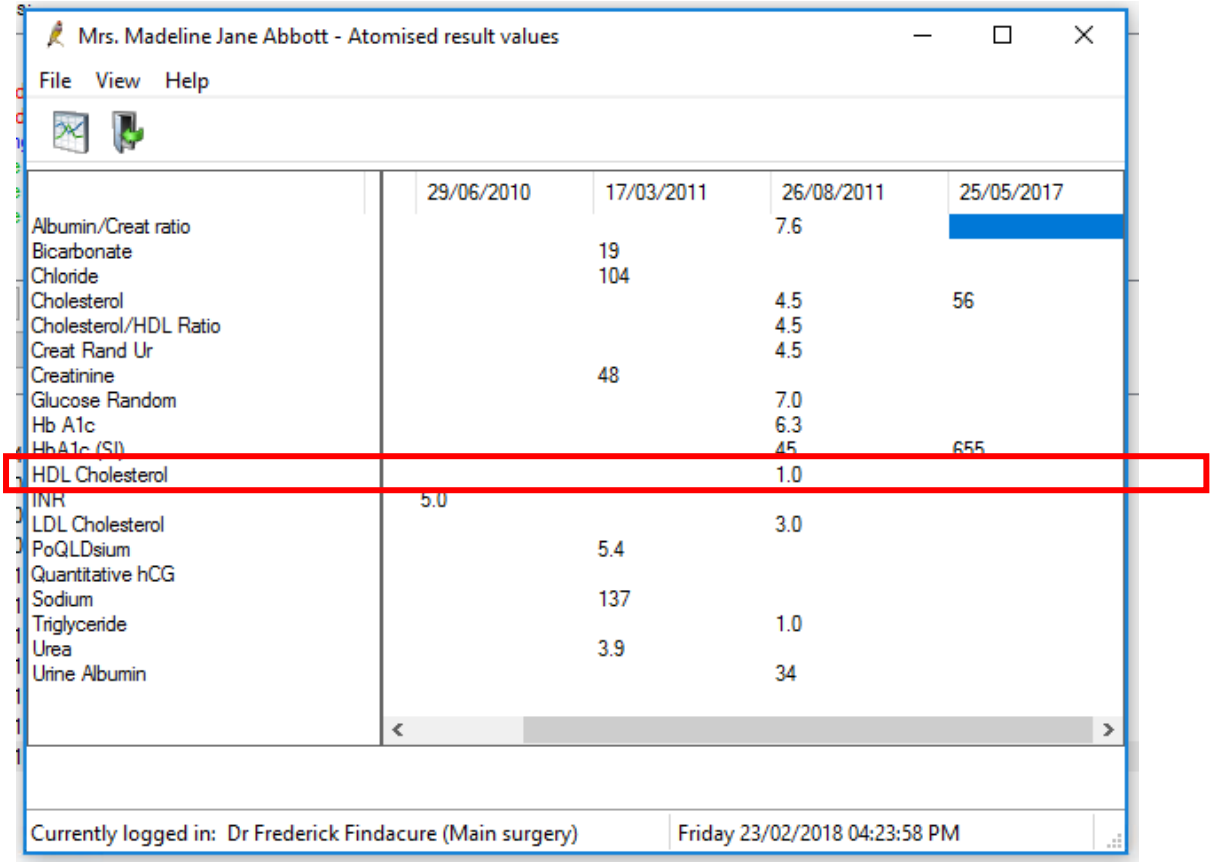
Systolic Blood Pressure
Recorded in the **Observations** screen:



Total Cholesterol
Available in the **Atomised Values** window of the **Investigation Reports** screen.



HDL Cholestrol
Available in the **Atomised Values** window of the **Investigation Reports** screen.



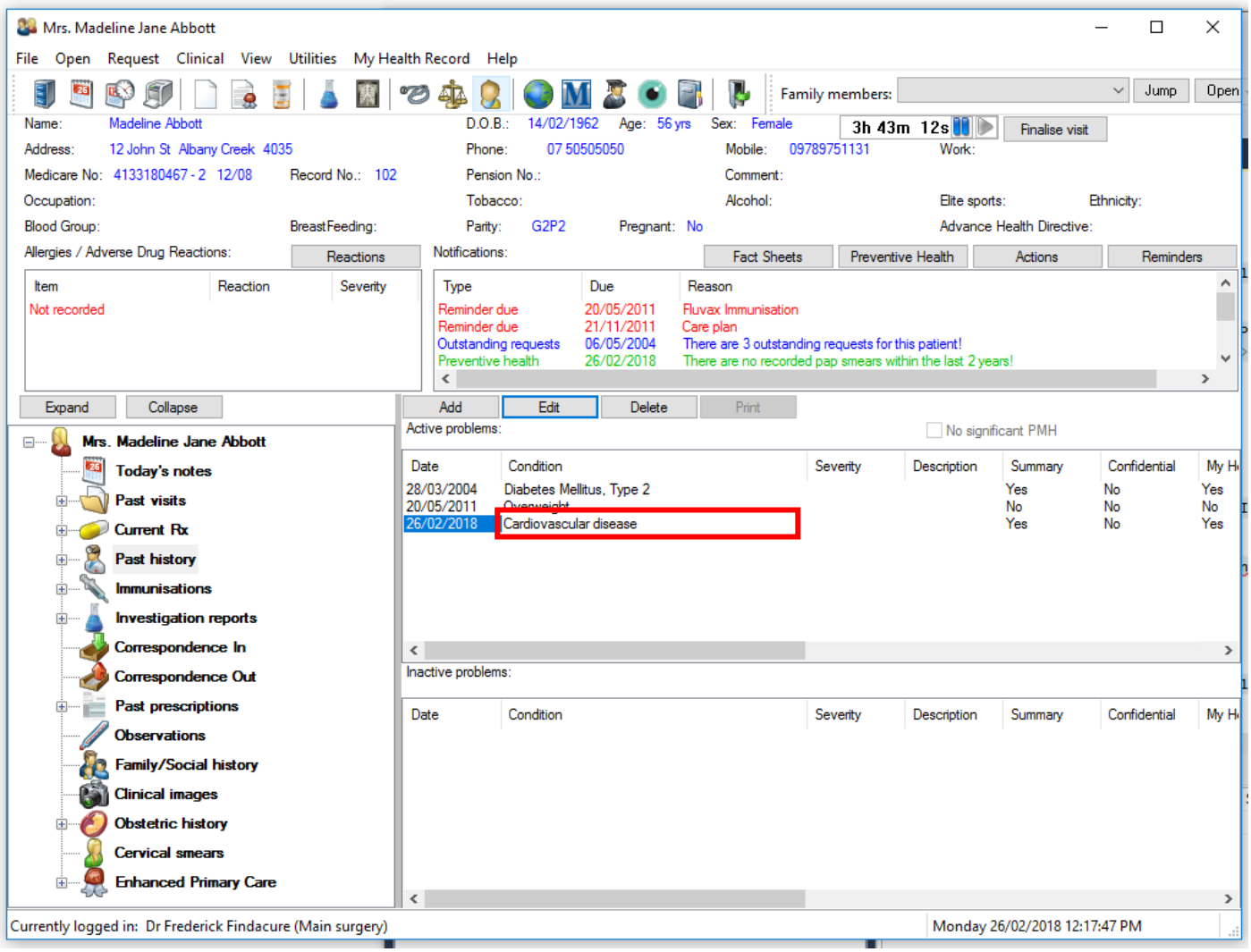
	Sex *Male*	**Sex** *Female*
Age *35-44 years*	NKPI-20001	NKPI-20005
Age *45-54 years*	NKPI-20002	NKPI-20006
Age *55-64 years*	NKPI-20003	NKPI-20007
Age *65-74 years*	NKPI-20004	NKPI-20008

[1]Cardiovascular Disease includes the following term names within Past History: Abnormal heart chamber dimensions; Accessory atrioventricular pathways; Acute cardiac failure; Acute coronary insufficiency; Acute heart failure; Acute myocardial infarction; AF; Alcoholic cardiomyopathy; AMI; Amyloid cardiomyopathy; Angina pectoris; Angina, unstable; Angina; Angioplasty, coronary; Anterior myocardial infarct; Anterolateral myocardial infarct; Arrhythmia, atrial fibrillation; Arrhythmia, atrial flutter; Arrhythmia, bradycardia; Arrhythmia, nodal tachycardia; Arrhythmia, SVT; Arrhythmia, tachycardia; Arrhythmia, ventricular fibrillation; Arrhythmia, ventricular tachycardia; Atrial fibrillation; Atrial flutter; Atrial tachycardia; Atrio-Ventricular Block; Autosomal recessive long QT syndrome; AV Block; Balloon coronary angioplasty; Bigeminy; Biventricular heart failure; Bradyarrhythmia; Bradycardia; Broken heart syndrome; CABG; Cardiac bradyarrhythmia; Cardiac failure, acute; Cardiac failure; Cardioauditory syndrome; Cardiocutaneous syndrome; Cardiofaciocutaneous syndrome; Cardiogenic shock; Cardiomegaly; Cardiomyopathic lentiginosis; Cardiomyopathy, alcoholic; Cardiomyopathy, amyloid; Cardiomyopathy, congenital; Cardiomyopathy, congestive; Cardiomyopathy, dilated; Cardiomyopathy, haemochromatosis; Cardiomyopathy, hypertensive; Cardiomyopathy, hypertrophic; Cardiomyopathy, idiopathic; Cardiomyopathy, ischaemic; Cardiomyopathy, peripartum; Cardiomyopathy, restrictive; Cardiomyopathy, selenium deficiency; Cardiomyopathy; Cardiovascular disease; Cardioversion - failed; Cardioversion, elective; Cardioversion; Care plan, chronic heart disease; CCF; Chronic heart disease care plan review; Chronic heart disease care plan; Collapse; Complete heart block; Congenital cardiomyopathy; Congenital heart block; Congenital heart defect; Congenital heart disease; Congestive cardiac failure; Congestive cardiomyopathy; Congestive heart failure; Cor pulmonale; Cor Triatriatum; Coronary angioplasty with stent; Coronary angioplasty; Coronary artery bypass graft; Coronary artery disease; Coronary artery endarterectomy; Coronary artery spasm; Coronary artery stent; Coronary endarterectomy; Coronary heart disease; Coronary insufficiency; Coronary

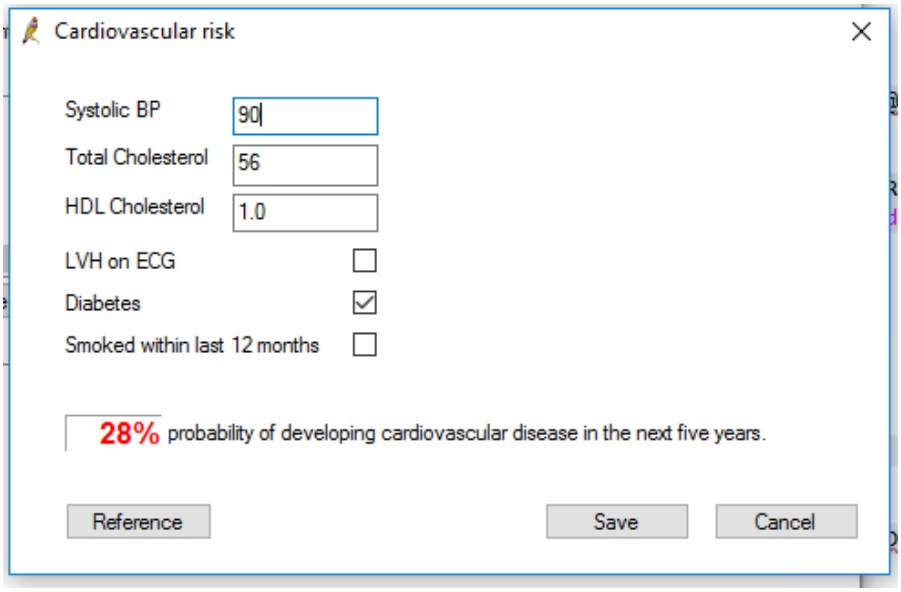
occlusion; Cyanotic heart disease; Diastolic cardiac dysfunction; Diastolic heart failure; Dilated cardiomyopathy; Dressler's syndrome; Ectopics, ventricular; Elective cardioversion; Fibrillation, atrial; Fibrillation, ventricular; First degree heart block; Haemochromatosis cardiomyopathy; Heart attack; Heart block, congenital; Heart block, first degree; Heart block, second degree; Heart block, third degree; Heart block; Heart disease, valvular; Heart disease; Heart enlarged; Heart failure - mid range ejection fraction; Heart failure - preserved ejection fraction; Heart failure - reduced ejection fraction; Heart failure, acute; Heart failure, high output; Heart failure, left; Heart failure; Heart sounds - Split; Heart sounds - Triple rhythm; Heart surgery; Heart transplant; Heart valve replacement; HFmrEF; HFpEF; HFrEF; High output cardiac failure; High output heart failure; Hypertensive cardiomyopathy; Hypertensive heart disease; Hypertensive heart failure; Hypertrophic cardiomyopathy; Hypoplastic left heart syndrome; Idiopathic cardiomyopathy; IHD; Inferior myocardial infarction; Intraventricular Block; Intraventricular Heart Block; Ischaemic cardiomyopathy; Ischaemic heart disease; Jervell and Lange-Nielsen syndrome; Keshan disease; Left heart failure; Left Ventricular Failure; LEOPARD syndrome; LHF; LVF; MI; Mobitz type 1 A-V Block; Mobitz type 2 A-V Block; Multiple lentigines syndrome; Myocardial infarction, anterior; Myocardial infarction, anterolateral; Myocardial infarction, inferior; Myocardial infarction, Non STEMI; Myocardial infarction, posterior; Myocardial infarction, STEMI; Myocardial infarction, subendocardial; Myocardial infarction, superior; Myocardial infarction; Neurocardiogenic syncope; Nodal tachycardia; Non ST elevation myocardial infarction; NSTEMI; Occlusion, Coronary artery; Open heart surgery; Organic Heart Disease; PCTA; Percutaneous transluminal angioplasty; Percutaneous transluminal coronary angioplasty; Peripartum cardiomyopathy; Post streptococcal heart disease; Post streptococcal valve disease; Postcardiotomy syndrome; Posterior myocardial infarct; Postmyocardial infarction syndrome; Postpericardiotomy syndrome; Preexcitation syndrome; Preinfarction syndrome; Premature ventricular contractions; Prinzmetal angina; Progressive cardiomyopathic lentiginosis; Prosthetic heart valve endocarditis; Prosthetic heart valve; Rapid AF; Rapid atrial fibrillation; Rapid pulse; Restrictive cardiomyopathy; Rheumatic heart disease; Rheumatic myocarditis; Rheumatic pancarditis; Rheumatic valve disease; RHF; Right heart failure; Right ventricular failure; RVF; Second degree heart block; Shock, cardiogenic; Sick sinus syndrome; Sino-Atrial heart block; Sinus node dysfunction; Split heart sounds; ST elevation myocardial infarction; STEMI; Stent, coronary artery; Stress-induced cardiomyopathy; Subendocardial infarct; Subendocardial myocardial infarct; Superior myocardial infarct; Supraventricular tachycardia; Surdocardiac syndrome; SVT; Syncope, vasovagal; Systolic cardiac dysfunction; Systolic heart failure; Tachycardia, nodal; Tachycardia, supraventricular; Tachycardia, ventricular; Tachycardia; Takotsubo cardiomyopathy; Third degree heart block; Transient apical ballooning; Transplant, heart; Triatrial heart; Triple rhythm heart sounds; Unstable angina; Valvular disease of heart; Valvular heart disease; Variant angina; Vasovagal attack; Vasovagal syncope; Ventricular bigeminy; Ventricular diastolic dysfunction; Ventricular ectopics; Ventricular extrasystoles; Ventricular fibrillation; Ventricular tachycardia; VF; VT; Wenkebach phenomenon; Wolff Parkinson White syndrome; WPW;

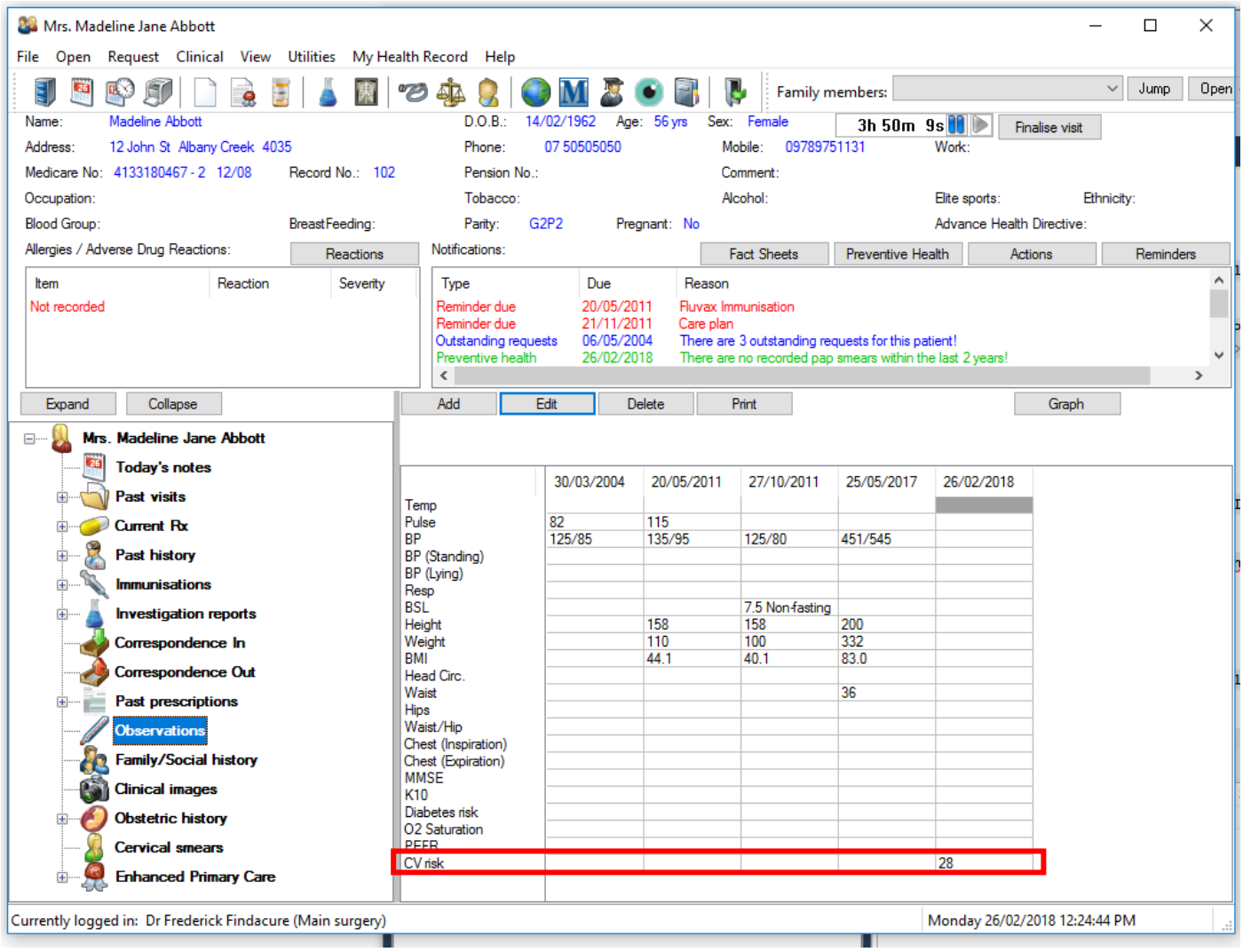
4.18. NKPI-21 – Clients with a given CVD Risk calculated

The NKPI-21 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-21 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure, have the **sex** specified against the measure in the table below and have no **Past History** record for a **condition** that is a *Cardiovascular Disease*[1].



In order to appear in the numerator for this measure, the Patient must meet all criteria required to appear in the denominator, and an **absolute CVD risk** observation must be present in the database recorded within the past 24 months, within the range specified in the table. The **CVD Risk** can be calculated from the **Cardiovascular Risk** screen and appears in the **Observations** screen for the patient once calculated.





	Sex *Male*	**Sex** *Female*	
Age *35-44 years*	NKPI-21001	NKPI-21005	**CVD Risk** *High (>15%)*
	NKPI-21009	NKPI-21013	**CVD Risk** *Moderate (10-15%)*

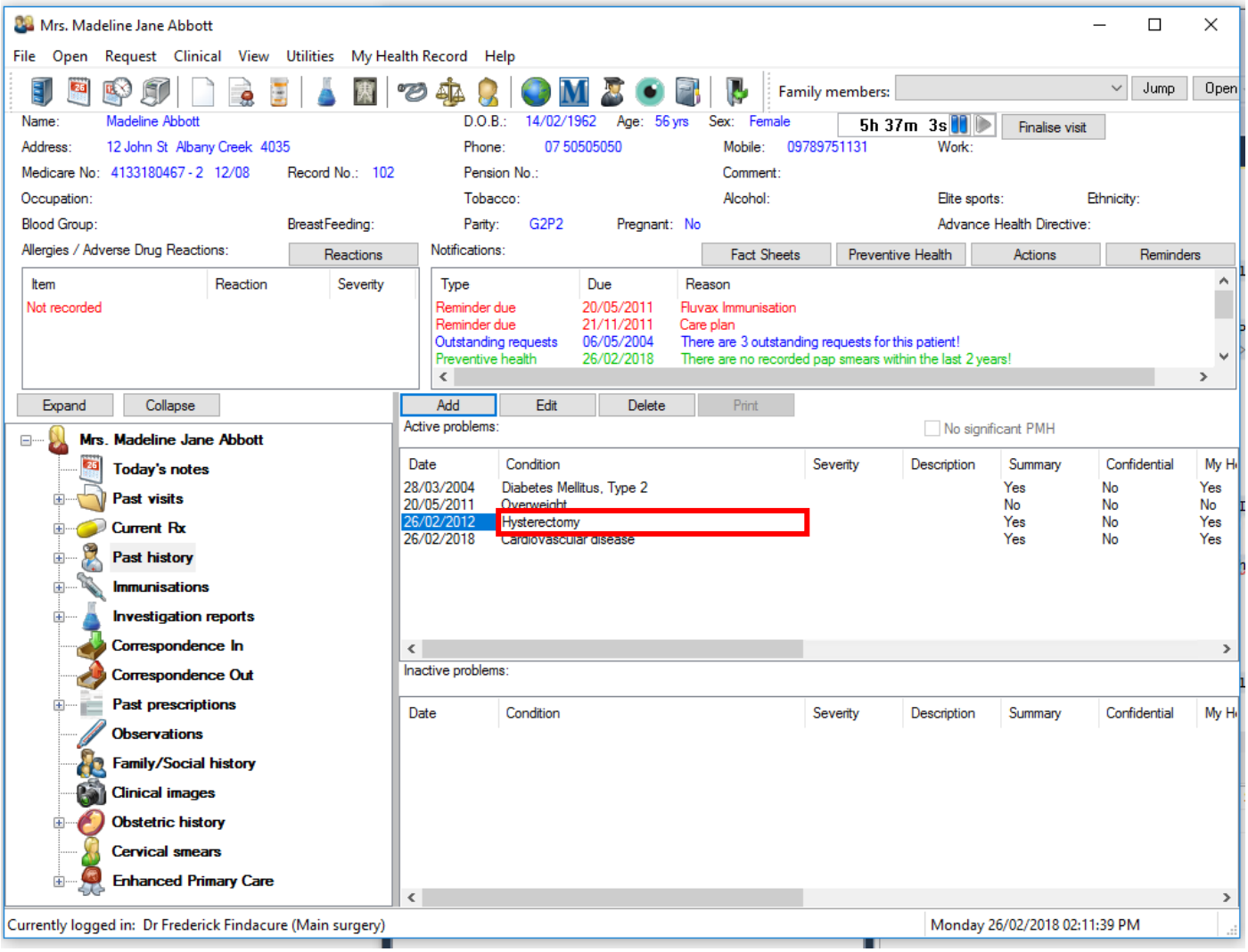
	NKPI-21017	NKPI-21021	**CVD Risk** *Low (<10%)*
Age *45-54 years*	NKPI-21002	NKPI-21006	**CVD Risk** *High (>15%)*
	NKPI-21010	NKPI-21014	**CVD Risk** *Moderate (10-15%)*
	NKPI-21018	NKPI-21022	**CVD Risk** *Low (<10%)*
Age *55-64 years*	NKPI-21003	NKPI-21007	**CVD Risk** *High (>15%)*
	NKPI-21011	NKPI-21015	**CVD Risk** *Moderate (10-15%)*
	NKPI-21019	NKPI-21023	**CVD Risk** *Low (<10%)*
Age *65-74 years*	NKPI-21004	NKPI-21008	**CVD Risk** *High (>15%)*
	NKPI-21012	NKPI-21016	**CVD Risk** *Moderate (10-15%)*
	NKPI-21020	NKPI-21024	**CVD Risk** *Low (<10%)*

[1]Cardiovascular Disease includes the following term names within Past History: Abnormal heart chamber dimensions; Accessory atrioventricular pathways; Acute cardiac failure; Acute coronary insufficiency; Acute heart failure; Acute myocardial infarction; AF; Alcoholic cardiomyopathy; AMI; Amyloid cardiomyopathy; Angina pectoris; Angina, unstable; Angina; Angioplasty, coronary; Anterior myocardial infarct; Anterolateral myocardial infarct; Arrhythmia, atrial fibrillation; Arrhythmia, atrial flutter; Arrhythmia, bradycardia; Arrhythmia, nodal tachycardia; Arrhythmia, SVT; Arrhythmia, tachycardia; Arrhythmia, ventricular fibrillation; Arrhythmia, ventricular tachycardia; Atrial fibrillation; Atrial flutter; Atrial tachycardia; Atrio-Ventricular Block; Autosomal recessive long QT syndrome; AV Block; Balloon coronary angioplasty; Bigeminy; Biventricular heart failure; Bradyarrhythmia; Bradycardia; Broken heart syndrome; CABG; Cardiac bradyarrhythmia; Cardiac failure, acute; Cardiac failure; Cardioauditory syndrome; Cardiocutaneous syndrome; Cardiofaciocutaneous syndrome; Cardiogenic shock; Cardiomegaly; Cardiomyopathic lentiginosis; Cardiomyopathy, alcoholic; Cardiomyopathy, amyloid; Cardiomyopathy, congenital; Cardiomyopathy, congestive; Cardiomyopathy, dilated; Cardiomyopathy, haemochromatosis; Cardiomyopathy, hypertensive; Cardiomyopathy, hypertrophic; Cardiomyopathy, idiopathic; Cardiomyopathy, ischaemic; Cardiomyopathy, peripartum; Cardiomyopathy, restrictive; Cardiomyopathy, selenium deficiency; Cardiomyopathy; Cardiovascular disease; Cardioversion - failed; Cardioversion, elective; Cardioversion; Care plan, chronic heart disease; CCF; Chronic heart disease care plan review; Chronic heart disease care plan; Collapse; Complete heart block; Congenital cardiomyopathy; Congenital heart block; Congenital heart defect; Congenital heart disease; Congestive cardiac failure; Congestive cardiomyopathy; Congestive heart failure; Cor pulmonale; Cor Triatriatum; Coronary angioplasty with stent; Coronary angioplasty; Coronary artery bypass graft; Coronary artery disease; Coronary artery endarterectomy; Coronary artery spasm; Coronary artery stent; Coronary endarterectomy; Coronary heart disease; Coronary insufficiency; Coronary occlusion; Cyanotic heart disease; Diastolic cardiac dysfunction; Diastolic heart failure; Dilated cardiomyopathy; Dressler's syndrome; Ectopics, ventricular; Elective cardioversion; Fibrillation, atrial; Fibrillation, ventricular; First degree heart block; Haemochromatosis cardiomyopathy; Heart attack; Heart block, congenital; Heart block, first degree; Heart block, second degree; Heart block, third degree; Heart block; Heart disease, valvular; Heart disease; Heart enlarged; Heart failure - mid range ejection fraction; Heart failure - preserved ejection fraction; Heart failure - reduced ejection fraction; Heart failure, acute; Heart failure, high output; Heart failure, left; Heart failure; Heart sounds - Split; Heart sounds - Triple rhythm; Heart surgery; Heart transplant; Heart valve replacement; HFmrEF; HFpEF; HFrEF; High output cardiac failure; High output heart failure; Hypertensive cardiomyopathy; Hypertensive heart disease; Hypertensive heart failure; Hypertrophic cardiomyopathy; Hypoplastic left heart syndrome; Idiopathic cardiomyopathy; IHD; Inferior myocardial infarction; Intraventricular Block; Intraventricular Heart Block; Ischaemic cardiomyopathy; Ischaemic heart disease; Jervell and Lange-Nielsen syndrome; Keshan disease; Left heart failure; Left Ventricular Failure; LEOPARD syndrome; LHF; LVF; MI; Mobitz type 1 A-V Block; Mobitz type 2 A-V Block; Multiple lentigines syndrome; Myocardial infarction, anterior; Myocardial infarction, anterolateral; Myocardial infarction, inferior; Myocardial infarction, Non STEMI; Myocardial infarction, posterior; Myocardial infarction, STEMI; Myocardial infarction, subendocardial; Myocardial infarction, superior; Myocardial infarction; Neurocardiogenic syncope; Nodal tachycardia; Non ST elevation myocardial infarction; NSTEMI; Occlusion, Coronary artery; Open heart surgery; Organic Heart Disease; PCTA; Percutaneous transluminal angioplasty; Percutaneous transluminal coronary angioplasty; Peripartum cardiomyopathy; Post streptococcal heart disease; Post streptococcal valve disease; Postcardiotomy syndrome; Posterior myocardial infarct; Postmyocardial infarction syndrome; Postpericardiotomy syndrome; Preexcitation syndrome; Preinfarction syndrome; Premature ventricular contractions; Prinzmetal angina; Progressive cardiomyopathic lentiginosis; Prosthetic heart valve endocarditis; Prosthetic heart valve; Rapid AF; Rapid atrial fibrillation; Rapid pulse; Restrictive cardiomyopathy; Rheumatic heart disease; Rheumatic myocarditis; Rheumatic pancarditis; Rheumatic valve disease; RHF; Right heart failure; Right ventricular failure; RVF; Second

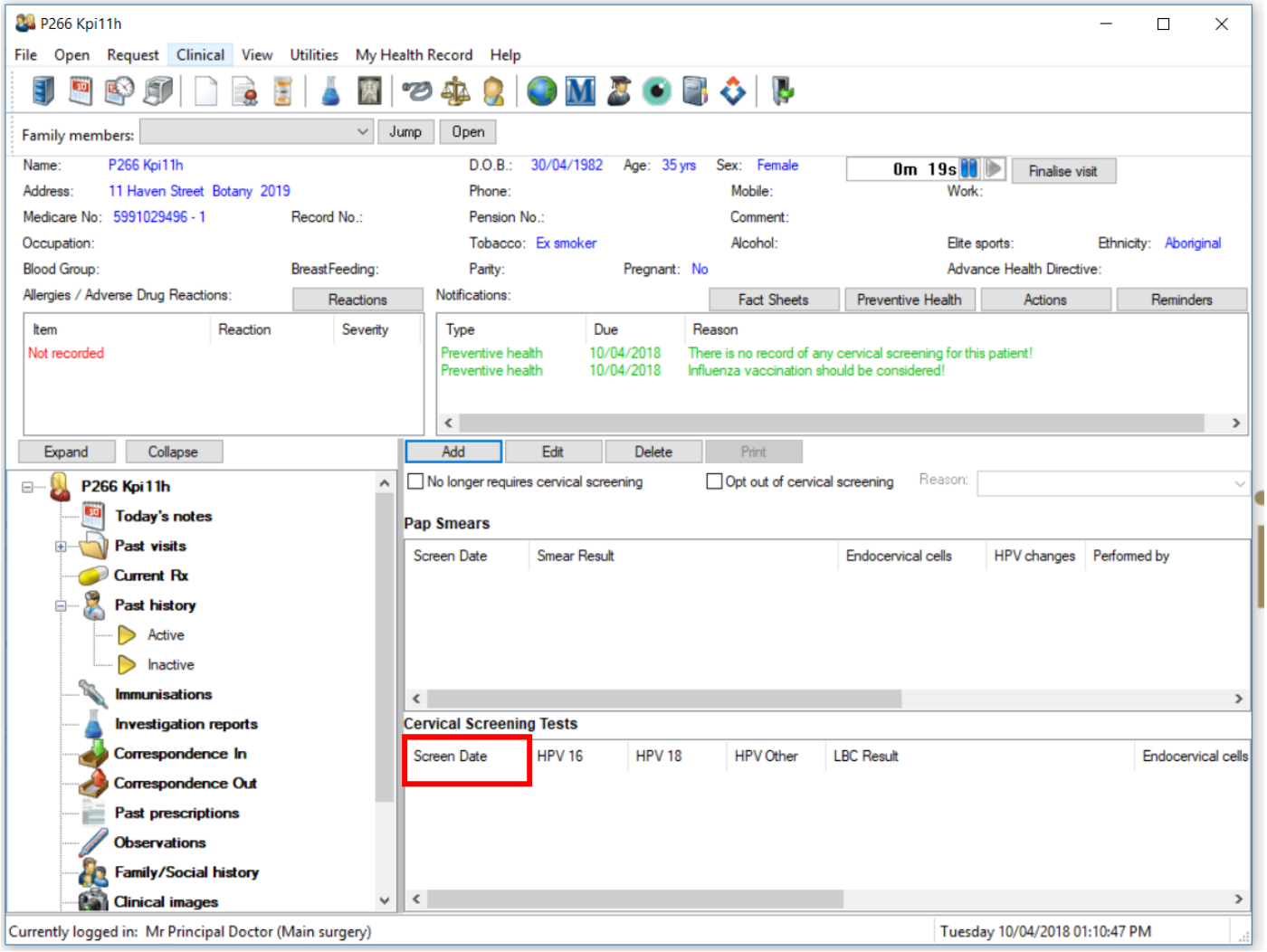
degree heart block; Shock, cardiogenic; Sick sinus syndrome; Sino-Atrial heart block; Sinus node dysfunction; Split heart sounds; ST elevation myocardial infarction; STEMI; Stent, coronary artery; Stress-induced cardiomyopathy; Subendocardial infarct; Subendocardial myocardial infarct; Superior myocardial infarct; Supraventricular tachycardia; Surdocardiac syndrome; SVT; Syncope, vasovagal; Systolic cardiac dysfunction; Systolic heart failure; Tachycardia, nodal; Tachycardia, supraventricular; Tachycardia, ventricular; Tachycardia; Takotsubo cardiomyopathy; Third degree heart block; Transient apical ballooning; Transplant, heart; Triatrial heart; Triple rhythm heart sounds; Unstable angina; Valvular disease of heart; Valvular heart disease; Variant angina; Vasovagal attack; Vasovagal syncope; Ventricular bigeminy; Ventricular diastolic dysfunction; Ventricular ectopics; Ventricular extrasystoles; Ventricular fibrillation; Ventricular tachycardia; VF; VT; Wenkebach phenomenon; Wolff Parkinson White syndrome; WPW;

4.19. NKPI-22 – Clients who have had a recent cervical screening

The NKPI-22 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-22 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the measure table below, have a **sex** of *female*, and have not had a *hysterectomy* recorded in their **Past History.**



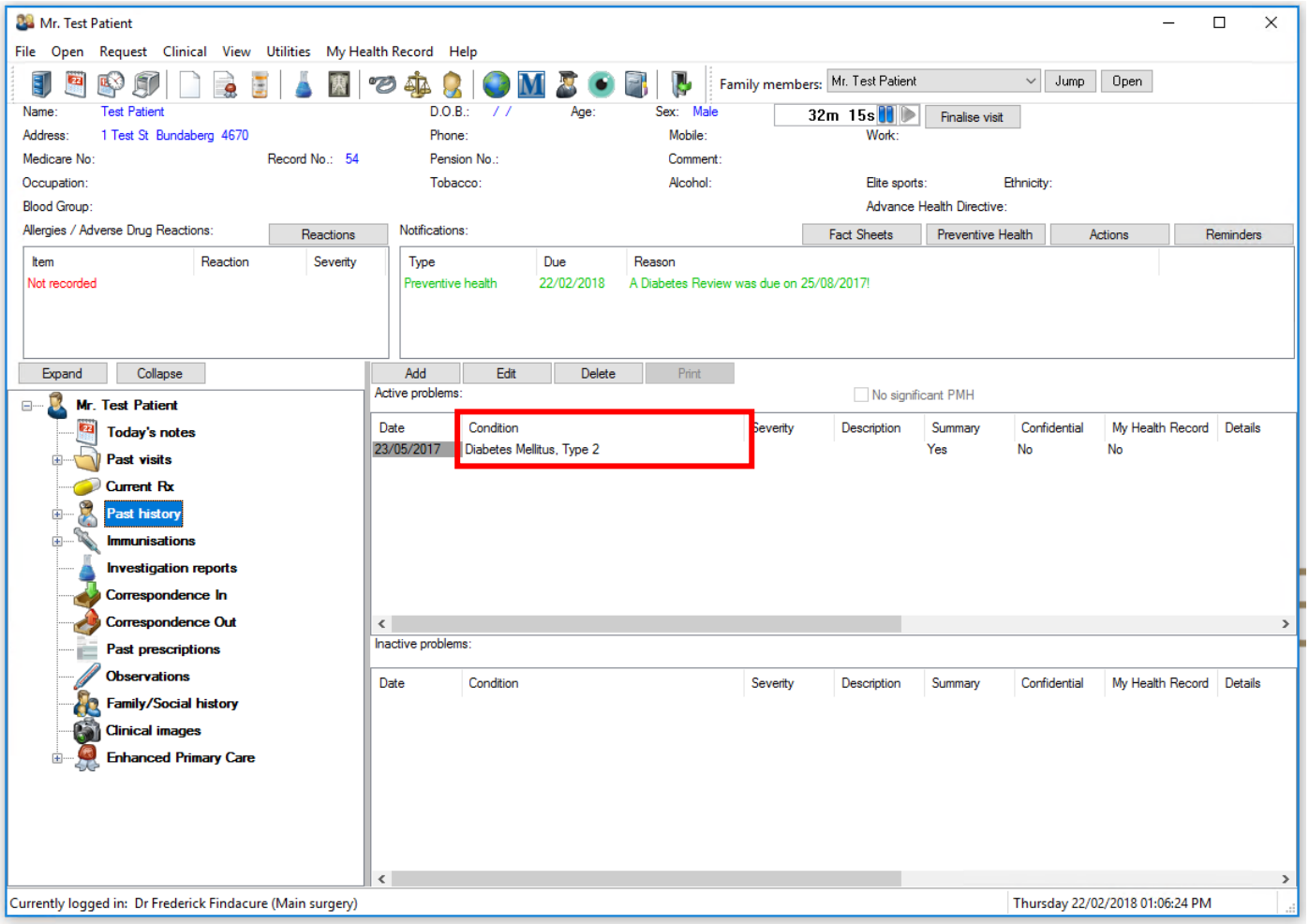
In order to appear in the numerator for this measure, the patient must meet all criteria to appear in the denominator, and have had a **cervical screening test** recorded within 5 years and on or after 01 December 2017



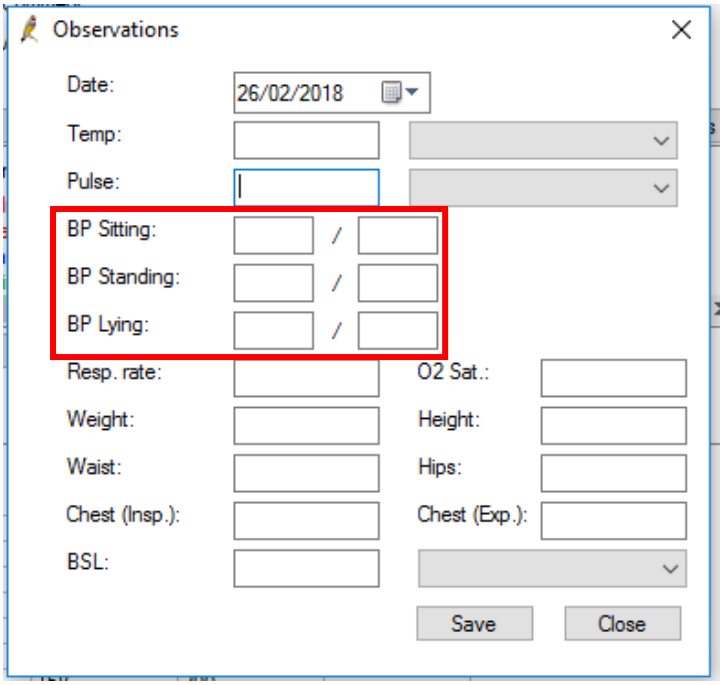
Age *25-34 years*	NKPI-22016
Age *35-44 years*	NKPI-22017
Age *45-54 years*	NKPI-22018
Age *55-64 years*	NKPI-22019
Age *65-74 years*	NKPI-22024

4.20. NKPI-23 – Clients with Type 2 Diabetes who have had a Blood Pressure test in the last six months

The NKPI-23 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-23 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure, have the **sex** specified against the measure in the table below and have a **Past History** record for *Type 2 Diabetes*[1].



In order to appear in the numerator for this measure, the patient must meet all criteria to appear in the denominator, in addition to having an **Observation** record for both *Systolic* and *Diastolic Blood Pressure* within the previous six months.

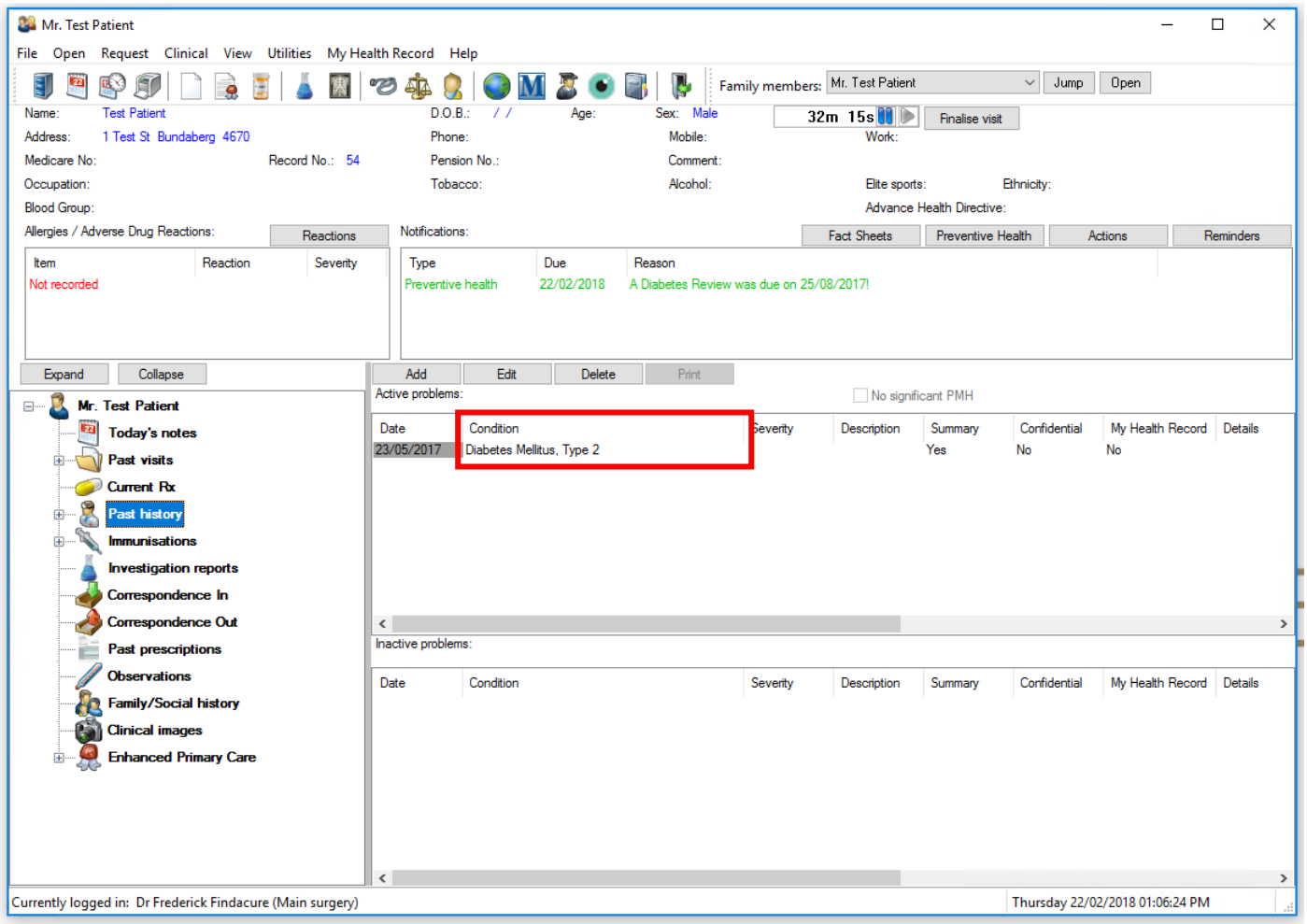


	Sex *Male*	**Sex** *Female*
Age *0-4 years*	NKPI-23001	NKPI-23009
Age *5-14 years*	NKPI-23002	NKPI-23010
Age *15-24 years*	NKPI-23003	NKPI-23011
Age *25-34 years*	NKPI-23004	NKPI-23012
Age *35-44 years*	NKPI-23005	NKPI-23013
Age *45-54 years*	NKPI-23006	NKPI-23014
Age *55-64 years*	NKPI-23007	NKPI-23015
Age *65+ years*	NKPI-23008	NKPI-23016

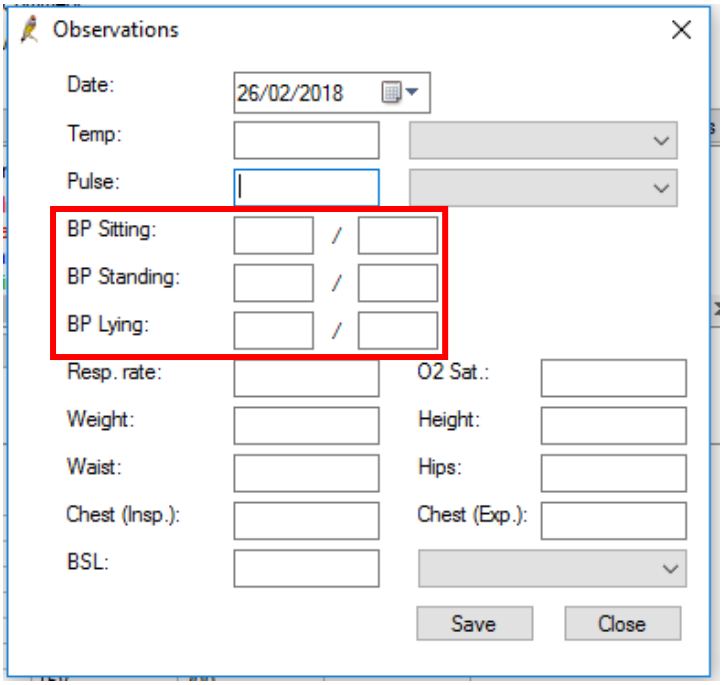
[1]Type 2 Diabetes includes the following term names within Past History: Diabetes Mellitus, NIDDM; Diabetes Mellitus, Type 2; NIDDM; Non insulin dependent Diabetes Mellitus; Type 2 Diabetes Mellitus

4.21. NKPI-24 – Clients with Type 2 Diabetes who have had a Blood Pressure test within a given range in the last six months

The NKPI-24 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-24 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure, have the **sex** specified against the measure in the table below and have a **Past History** record for *Type 2 Diabetes*[1], and have had their *Systolic* and *Diastolic Blood Pressure* recorded in the **Observations** screen in the previous six months.



In order to appear in the numerator for this measure, the patient must meet all criteria to appear in the denominator, in addition to having their most recent **Observation** record for *Systolic* and *Diastolic Blood Pressure* within the previous six months less than or equal to 140/90 mmHg.



	Sex *Male*	**Sex** *Female*
Age *0-4 years*	NKPI-24001	NKPI-24009
Age *5-14 years*	NKPI-24002	NKPI-24010
Age *15-24 years*	NKPI-24003	NKPI-24011
Age *25-34 years*	NKPI-24004	NKPI-24012
Age *35-44 years*	NKPI-24005	NKPI-24013
Age *45-54 years*	NKPI-24006	NKPI-24014
Age *55-64 years*	NKPI-24007	NKPI-24015
Age *65+ years*	NKPI-24008	NKPI-24016

[1]Type 2 Diabetes includes the following term names within Past History: Diabetes Mellitus, NIDDM; Diabetes Mellitus, Type 2; NIDDM; Non insulin dependent Diabetes Mellitus; Type 2 Diabetes Mellitus

4.22. NKPI-25 – Clients who had a STI(s) result recorded (chlamydia and/or gonorrhoea) within the previous 12 months.

The NKPI-25 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-25 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure, have the **sex** specified against the measure in the table below and have a **Test Name** for Chlamydia and/or Gonorrhoea.

	Sex *Male*	**Sex** *Female*
Age *15 – 19 years*	NKPI-25001	NKPI-25005
Age *20 – 24 years*	NKPI-25002	NKPI-25006
Age *25 – 29 years*	NKPI-25003	NKPI-25007
Age *30 – 34 years*	NKPI-25004	NKPI-25008

Chlamydia LOINC Codes for Test Names:
14463-4, 14464-2, 14465-9, 14467-5, 14470-9, 14471-7, 14472-5, 14474-1, 14509-4, 14510-2, 14511-0, 14513-6, 16593-6, 16600-9, 16601-7, 21189-6, 21190-4, 21191-2, 21192-0, 21613-5, 23838-6, 31765-1, 31767-7, 31771-9, 31772-7, 31775-0, 31776-8, 31777-6, 32001-0, 32004-4, 32671-0, 32774-2, 34708-8, 34709-6, 34710-4, 35412-6, 35711-1, 35713-7, 35714-5, 35715-2, 35716-0, 35717-8, 35718-6, 35721-0, 35724-4, 35725-1, 35726-9, 35727-7, 35728-5, 35729-3, 35730-1, 35736-8, 42931-6, 43304-5, 43404-3, 45078-3, 45080-9, 45084-1, 45085-8, 45086-6, 45089-0, 45090-8, 45091-6, 45092-4, 45093-2, 45095-7, 45096-5, 45097-3, 45098-1, 45100-5, 45101-3, 45103-9, 45104-7, 45105-4, 45106-2, 45107-0, 45108-8, 45112-0, 45113-8, 45114-6, 45115-3, 45131-0, 45132-8, 45133-6, 47211-8, 47212-6, 49096-1, 4993-2, 50311-0, 50387-0, 50411-8, 51578-3, 53925-4, 53926-2, 557-9, 558-7, 559-5, 560-3, 561-1, 57287-5, 57288-3, 6345-3, 6346-1, 6347-9, 6349-5, 6354-5, 6355-2, 6356-0, 6357-8, 80363-5, 80364-3, 80367-6, 82306-2, 88221-7, 89648-0, 91860-7, 91873-0

Chlamydia Non-LOINC Codes:
Chlamydia trachomatis DNA, Chlamydia RNA PCR

Chlamydia Text Strings for Test Names:
Chlamydial infection, Chlamydial STI, Chlamydia trachomati, Chlamydia trachomatis, Chlamydial trachomatis, c trachom, Chlamydial, Chlamydia, Chlam, ct main, CTNG,CT/NG

Chlamydia Text String Exclusions for Test Names:
PNEUMONIAE, PNEUM, PSITTACI, ORNITHOSIS, ORNI

Chlamydia LOINC Code Exclusions for Test Names:
100120-5, 100121-3, 100122-1, 100123-9, 100124-7, 100125-4, 10651-8, 10652-6, 10848-0, 10849-8, 11254-0, 13217-5, 13218-3, 13219-1, 13220-9, 13221-7, 13222-5, 13223-3, 13224-1, 14198-6, 14199-4, 14200-0, 14201-8, 14202-6, 14203-4, 14204-2, 14461-8, 14462-6, 14466-7, 14468-3, 14469-1, 14473-3, 14507-8, 14508-6, 14512-8, 16581-1, 16582-9, 16583-7, 16584-5, 16585-2, 16586-0, 16587-8, 16588-6, 16589-4, 16590-2, 16591-0, 16592-8, 16594-4, 16595-1, 16596-9, 16597-7, 16598-5, 16599-3, 16602-5, 18490-3, 18491-1, 18492-9, 20752-2, 20753-0, 20754-8, 20755-5, 20756-3, 20757-1, 20993-2, 21184-7, 21185-4, 21186-2, 21187-0, 21188-8, 22169-7, 22170-5, 22171-3, 22172-1, 22173-9, 22174-7, 22175-4, 22176-2, 22177-0, 22178-8, 22179-6, 22180-4, 22181-2, 22182-0, 22183-8, 22184-6, 22185-3, 22186-1, 22187-9, 22188-7, 22189-5, 22190-3, 22191-1, 22192-9, 22193-7, 22194-5, 22195-2, 22196-0, 22197-8, 22198-6, 22199-4, 22200-0, 22201-8, 22202-6, 22992-2, 22993-0, 22994-8, 22995-5, 22996-3, 22997-1, 22998-9, 22999-7, 23000-3, 23001-1, 23967-3, 23990-5, 24004-4, 24005-1, 24238-8, 24239-6, 24402-0, 25369-0, 26626-2, 26663-5, 26664-3, 26665-0, 26666-8, 26667-6, 26668-4, 26715-3, 27167-6, 27185-8, 27273-2, 27368-0, 27370-6, 27371-4, 27404-3, 28556-9, 28557-7, 28558-5, 29664-0, 29677-2, 29722-6, 30204-2, 30205-9, 31292-6, 31293-4, 31294-2, 31295-9, 31296-7, 31297-5, 31298-3, 31299-1, 31300-7, 31301-5, 31302-3, 31303-1, 31304-9, 31305-6, 31306-4, 31307-2, 31763-6, 31764-4, 31766-9, 31768-5, 31769-3, 31770-1, 31773-5, 31774-3, 31778-4, 31779-2, 31780-0, 32002-8, 32003-6, 32005-1, 32006-9, 32007-7, 33410-2, 33574-5, 33575-2, 33604-0, 33605-7, 33943-2, 34264-2, 34645-2, 34707-0, 35639-4, 35710-3, 35712-9, 35719-4, 35720-2, 35722-8,

35723-6, 38467-7, 38468-5, 38469-3, 39224-1, 40710-6, 40854-2, 40855-9, 40856-7, 41157-9, 41482-1, 43057-9, 43058-7, 43059-5, 43060-3, 43061-1, 43062-9, 43063-7, 43173-4, 43174-2, 43175-9, 43216-1, 43355-7, 43356-5, 43357-3, 43844-0, 43845-7, 43846-5, 43847-3, 43848-1, 43868-9, 44005-7, 44079-2, 44080-0, 44081-8, 44977-7, 44978-5, 44979-3, 44980-1, 44981-9, 44982-7, 44983-5, 44984-3, 44985-0, 44986-8, 44987-6, 44988-4, 44989-2, 44990-0, 44991-8, 44992-6, 44993-4, 44994-2, 44995-9, 44996-7, 44997-5, 44998-3, 44999-1, 45000-7, 45001-5, 45002-3, 45003-1, 45004-9, 45005-6, 45006-4, 45007-2, 45008-0, 45009-8, 45010-6, 45011-4, 45012-2, 45077-5, 45079-1, 45081-7, 45082-5, 45083-3, 45087-4, 45088-2, 45094-0, 45099-9, 45102-1, 45109-6, 45110-4, 45111-2, 45130-2, 45135-1, 46176-4, 46177-2, 46178-0, 46179-8, 47052-6, 47234-0, 50612-1, 5078-1, 5079-9, 5080-7, 5081-5, 5082-3, 5083-1, 5084-9, 5085-6, 5086-4, 5087-2, 5088-0, 5089-8, 5090-6, 51734-2, 51806-8, 51807-6, 51808-4, 51809-2, 54044-3, 556-1, 56909-5, 56910-3, 56911-1, 57679-3, 57680-1, 57817-9, 58758-4, 59065-3, 62864-4, 62865-1, 6338-8, 6339-6, 6340-4, 6341-2, 6342-0, 6343-8, 6344-6, 6348-7, 6350-3, 6351-1, 6352-9, 6353-7, 6358-6, 6912-0, 6913-8, 6914-6, 6915-3, 6916-1, 6917-9, 6918-7, 6919-5, 6920-3, 69865-4, 74241-1, 75757-5, 77166-7, 7821-2, 7822-0, 7823-8, 7824-6, 82178-5, 82957-2, 86659-0, 87949-4, 87950-2, 88546-7, 88547-5, 88718-2, 89640-7, 89641-5, 90361-7, 90362-5, 90363-3, 90365-8, 90763-4, 91861-5, 92133-8, 92577-6, 92859-8, 92860-6, 92986-9, 96075-7, 99105-9, 99778-3

Gonorrhoea LOINC Codes for Test Names:
14127-5, 21414-8, 21415-5, 21416-3, 24111-7, 29311-8, 31905-3, 31906-1, 32198-4, 32199-2, 32705-6, 43305-2, 43403-5, 47387-6, 5028-6, 50326-8, 50388-8, 50412-6, 53879-3, 53927-0, 57180-2, 57289-1, 57458-2, 60255-7, 60256-5, 6487-3, 6488-1, 6489-9, 6490-7, 688-2, 690-8, 691-6, 692-4, 693-2, 694-0, 696-5, 697-3, 698-1, 80366-8, 80368-4, 88224-1, 88225-8, 96599-6

Gonorrhoea Non-LOINC Codes:
Neisseria gonorrhoeae DNA, Gonorrhoeae RNA PCR

Gonorrhoea Text Strings for Test Names:
Gono, Gonno, Neisseria gonorrhoea, Gonococcus, Gonorrhea, N gonorrhoea, Gonorrhoea, Gonorrhoeae, Gnrrh, ng main, CTNG, CT/NG

Gonorrhoea LOINC Code Exclusions for Test Names:
22430-3, 23908-7, 27021-5, 30099-6, 31525-9, 32704-9, 33904-4, 35735-0, 39557-4, 42987-8, 43387-0, 5261-3, 53762-1, 53878-5, 6491-5, 689-0, 695-7, 86660-8, 91781-5, 9568-7, 97626-6, 99779-1

Chlamydia and Gonorrhoea LOINC Codes for Test Names:
100356-5, 100710-3, 101172-5, 36902-5, 36903-3, 43405-0, 43406-8, 44806-8, 44807-6, 45067-6, 45068-4, 45069-2, 45070-0, 45072-6, 45074-2, 45075-9, 45076-7, 47362-9, 64017-7, 70161-5, 70162-3, 70163-1, 70164-9, 72828-7, 77577-5, 80360-1, 80361-9, 80362-7, 80365-0, 85687-2, 85689-8, 90357-5, 90358-3, 92683-2, 92684-0, 96612-7

Chlamydia and Gonorrhoea Non-LOINC Codes:
Chlamydia+Gnrrh, C. trachomatis / N. gonorrhoeae PCR

Chlamydia and Gonorrhoea LOINC Code Exclusions for Test Names:
45071-8, 45073-4, 86661-6

Antibody and Immunoglobulin Exclusions:
Ab, IgA, IgG, IgM

4.23. NKPI-26 – Clients ages 0-14 years who have a completed ear health check recorded

The NKPI-26 element consists of a number of measures, each containing a numerator and a denominator. In order to appear in the denominator for the NKPI-26 measures, the Patient must meet the definition of a *regular client* and have an **Ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander,* be **aged** within the range specified in the below table for the measure and have the **sex** specified against the measure in the table below and have had an ear check for Appearance, Movement or Appearance and movement.

	Sex *Male*	**Sex** *Female*	
Age *0 – 11 months*	NKPI-26001	NKPI-26019	**Appearance**
Age *0 – 11 months*	NKPI-26002	NKPI-26020	**Movement**
Age *0 – 11 months*	NKPI-26003	NKPI-26021	**Appearance and Movement**
Age *12 – 23 months*	NKPI-26004	NKPI-26022	**Appearance**
Age *12 – 23 months*	NKPI-26005	NKPI-26023	**Movement**
Age *12 – 23 months*	NKPI-26006	NKPI-26024	**Appearance and Movement**
Age *24 – 35 months*	NKPI-26007	NKPI-26025	**Appearance**
Age *24 – 35 months*	NKPI-26008	NKPI-26026	**Movement**
Age *24 – 35 months*	NKPI-26009	NKPI-26027	**Appearance and Movement**
Age *36 – 59 months*	NKPI-26010	NKPI-26028	**Appearance**
Age *36 – 59 months*	NKPI-26011	NKPI-26029	**Movement**
Age *36 – 59 months*	NKPI-26012	NKPI-26030	**Appearance and Movement**
Age *5 – 9 years*	NKPI-26013	NKPI-26031	**Appearance**
Age *5 – 9 years*	NKPI-26014	NKPI-26032	**Movement**
Age *5 – 9 years*	NKPI-26015	NKPI-26033	**Appearance and Movement**
Age *10 – 14 years*	NKPI-26016	NKPI-26034	**Appearance**
Age *10 – 14 years*	NKPI-26017	NKPI-26035	**Movement**
Age *10 – 14 years*	NKPI-26018	NKPI-26036	**Appearance and Movement**

A recorded ear health check in the last 12 months is determined from the following workflow, in this priority order:

i. Ear health procedures as defined in the ear health coding framework – if recorded here do not count 'ii'
ii. Ear health conditions as defined in the ear health coding framework – if not recorded here then no ear health check is recorded.

Ear Health Condition Included Codes

CIS CODE (TERMID)	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)	APPEARANCE / MOVEMENT / BOTH
2591	Otitis externa	Both
27702	Otitis externa, circumscribed	Both
27701	Otitis externa, diffuse	Both
1587	Otitis externa, fungal	Both
27703	Otitis externa, malignant	Both
27703	Otitis externa, necrotising	Both
2592	Otitis externa, Recurrent	Both
2592	Recurrent Otitis externa	Both
2591	Swimmer's ear	Both
905	Chronic secretory otitis media	Both
4305	Ear Tuberculosis	Both
905	Glue ear	Both
2593	Middle ear infection	Both

2593	Otitis media	Both
2594	Otitis media, recurrent	Both
905	Otitis media, serous	Both
7194	Otitis media, suppourative	Both
2594	Recurrent Otitis media	Both
905	Secretory otitis media	Both
905	Serous otitis media	Both
7194	Suppurative otitis media	Both
7825	Myringitis bullosa	App.
7667	Bullous myringitis	App.
2688	Ear drum perforation	App.
2688	Perforated tympanic membrane	App.
2688	Ear drum perforation	App.
12042	Tympanosclerosis	Both
571	Cholesteatoma	App.
871	Ear discharge	App.
871	Otorrhoea	App.
871	Discharge from ear	App.
905	Ear effusion	App.
869	Bleeding from ear	App.

Ear Health Procedure Included Codes

CIS CODE (TERMID)	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)	APPEARANCE / MOVEMENT / BOTH
8245	Check ear	Both
8245	Ear check	Both
3593	Ear, grommet removal	Both
3593	Grommet removal	Both
7455	Grommet	Both
3601	Myringotomy	Both
3602	Suction myringotomy	Both
3592	Myringotomy and ventilation tubes	Both
7217	Myringoplasty	Both
3603	Tympanoplasty	Both
3593	Tympanostomy tube removal	Both
3592	Tympanostomy tube insertion	Both
3592	Grommet insertion	Both
3593	Grommet removal	Both
3592	Insertion of grommets	Both
3592	Insertion of tympanostomy tubes	Both
3593	Removal of grommets	Both
3593	Removal of tympanostomy tubes	Both
3600	Tympanic membrane surgery	Both
3600	Surgery - Ear - tympanic membrane	Both

Ear Health Condition Excluded Codes

CIS CODE (TERMID)	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
2595	Barotrauma to ear
870	Blocked ear
4263	Buzzing in ear

873	Ear - Tophus
1339	Ear buzzing
7542	Ear dermatitis
1127	Ear foreign body
5365	Ear injury
872	Ear pain
5298	Ear polyp
4262	Ear ringing
4522	Ear wax
872	Earache
10551	Earlobe infection
856	Eustachian tube dysfunction
1127	Foreign body in ear
4832	Glomus Tympanicum
5365	Injured ear
6637	Labyrinthine positional nystagmus
1922	Labyrinthitis
13590	Myoclonus, tensor tympani
2595	Otitic barotrauma
1587	Otomycosis
5703	Otophyma
2596	Otosclerosis
872	Pain in ear
4262	Ringing in ear
13590	Tensor tympani myoclonus
1922	Viral labyrinthitis
4522	Wax in ear
713	Hearing impaired
713	Deafness
714	Deafness, conduction
715	Deafness, industrial
9410	Deafness, mixed
716	Deafness, sensorineural
713	Hearing loss
13515	Hearing loss, asymmetrical
716	Hearing loss, sensorineural
713	Loss of hearing
715	Noise induced hearing loss
1558	Hearing - Impaired
713	Impaired hearing
715	Occupational hearing loss
6245	Pili Torti-Sensorineural Hearing Loss
716	Sensorineural hearing loss
13515	Asymmetrical hearing loss
714	Conduction deafness
715	Industrial deafness
716	Sensorineural deafness
9410	Mixed deafness
13275	High frequency deafness
1925	Mastoiditis
7648	Perichondritis of the pinna
5755	Presbycusis
5756	Presbycusis

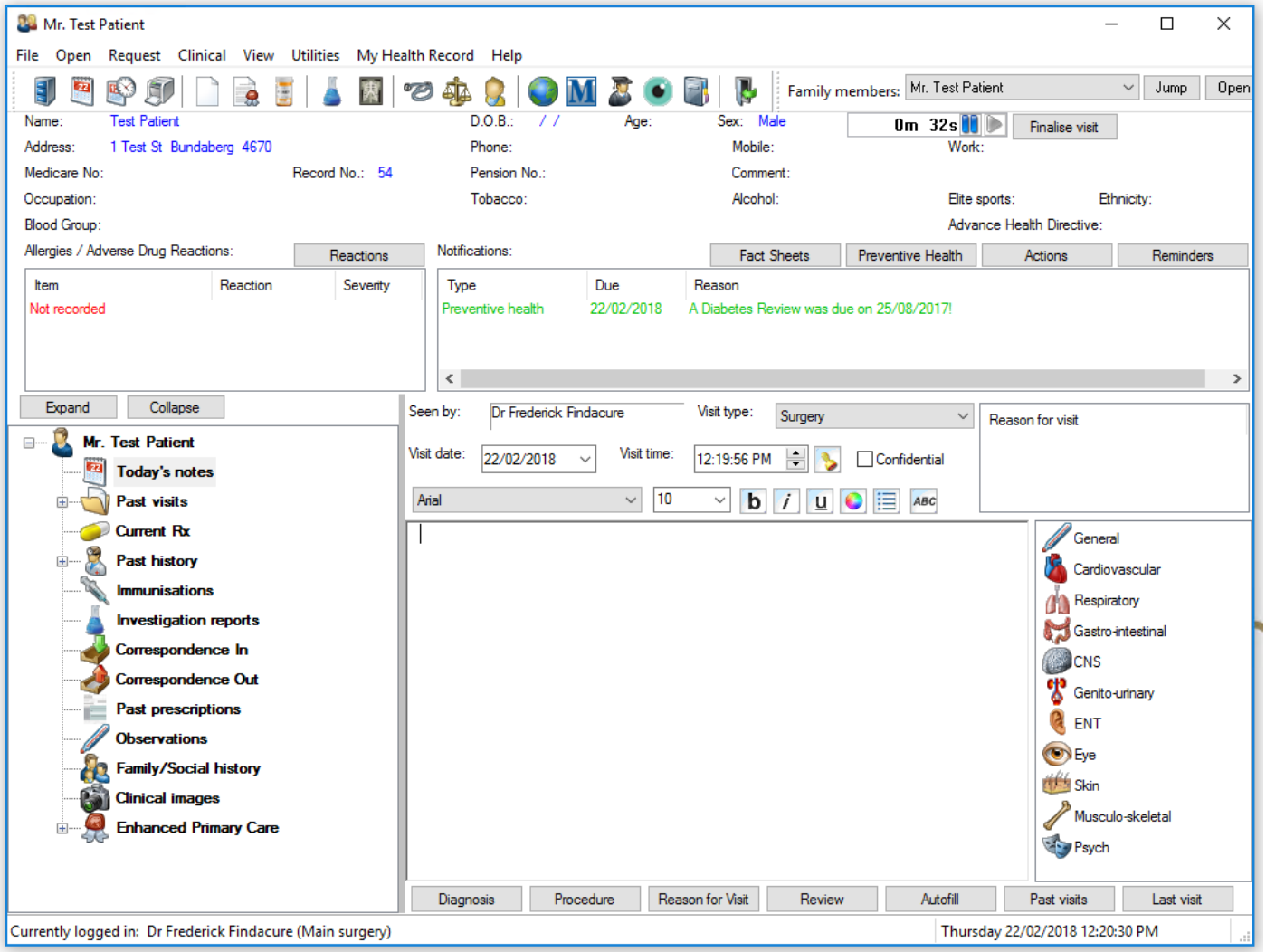
Ear Health Procedure Excluded Codes

CIS CODE (TERMID)	CLINICAL TERM (OR GLOBAL CAREPLAN NAME)
2828	Ear syringe
2828	Syringe ear
2829	Ear toilet
2830	Ear toilet - curette
2831	Ear toilet - dry mopping
2832	Ear toilet - suction
3588	Ear surgery
3590	Ear, foreign body removal
3590	Foreign body removal from ear
3590	Removal of foreign body from ear
3594	Ear laceration repair
3599	Ear polyp removal
3604	Ear, wedge excision
3604	Wedge excision from ear

4.24. OSR-CS1A – Clients with an Episode of Care

This measure records the number of clients with an Episode of Care recorded within the reporting period. A **visit** in Bp Premier is used to indicate an Episode of Care.

A **visit** is recorded in the **Patient Clinical Record** when any information is saved against the patient, for example by filling out the **Today's Notes** section. To be counted as an **Episode of Care,** the **Visit Type** must be recorded as *Surgery, Home, RACF, Telephone, Out of office, Hostel, Telehealth* or *Locum Service.*



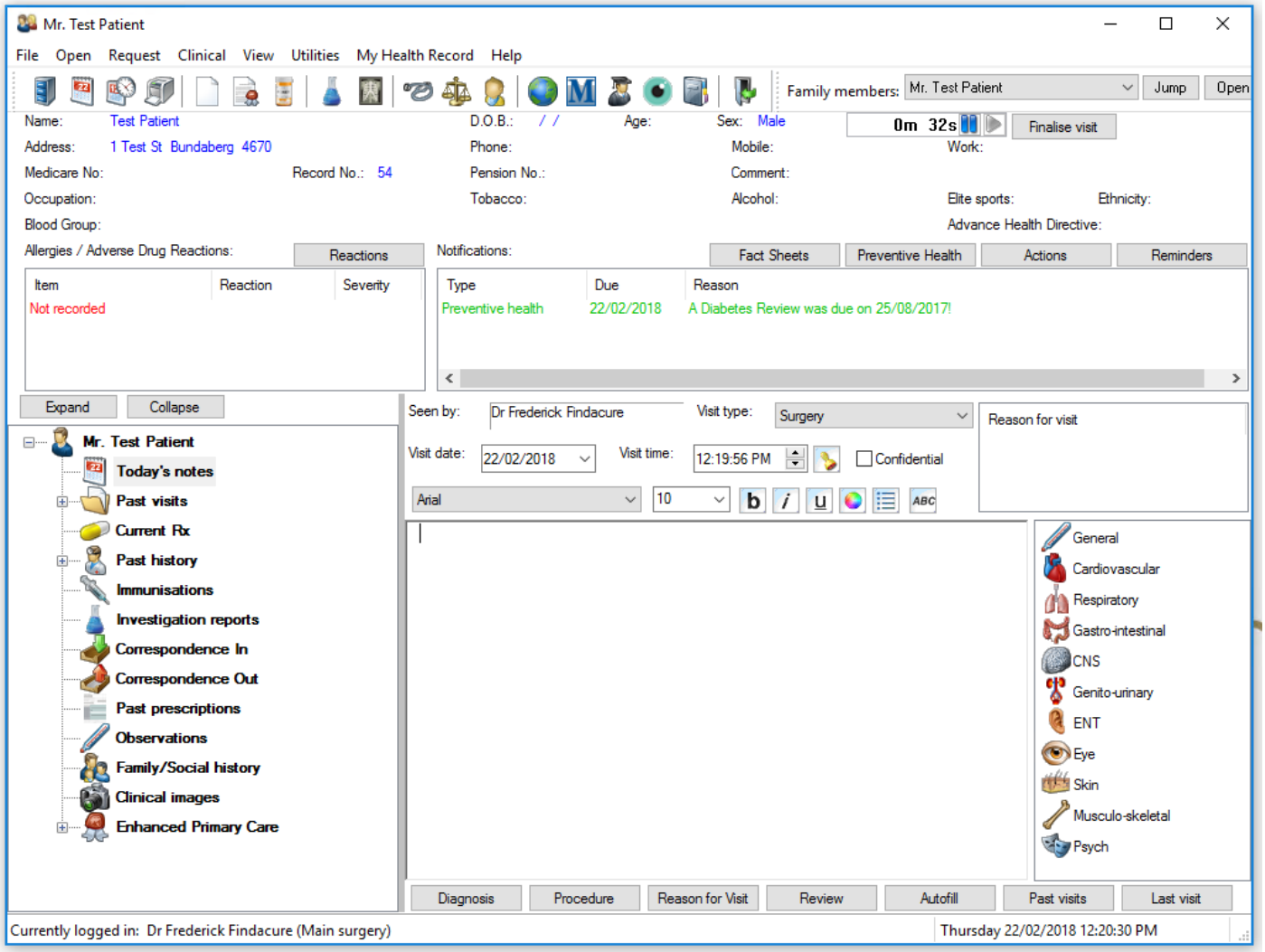
The measure is disaggregated based on the following table:

	Sex *Male*	**Sex** *Female*	**Sex** *Unknown/Blank*
Ethnicity *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander*	OSR-CS1a-0001	OSR-CS1a-0004	OSR-CS1a-0007
Ethnicity not one of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander, (blank) or Unknown*	OSR-CS1a-0002	OSR-CS1a-0005	OSR-CS1a-0008
Ethnicity *(blank) or Unknown*	OSR-CS1a-0003	OSR-CS1a-0006	OSR-CS1a-0009

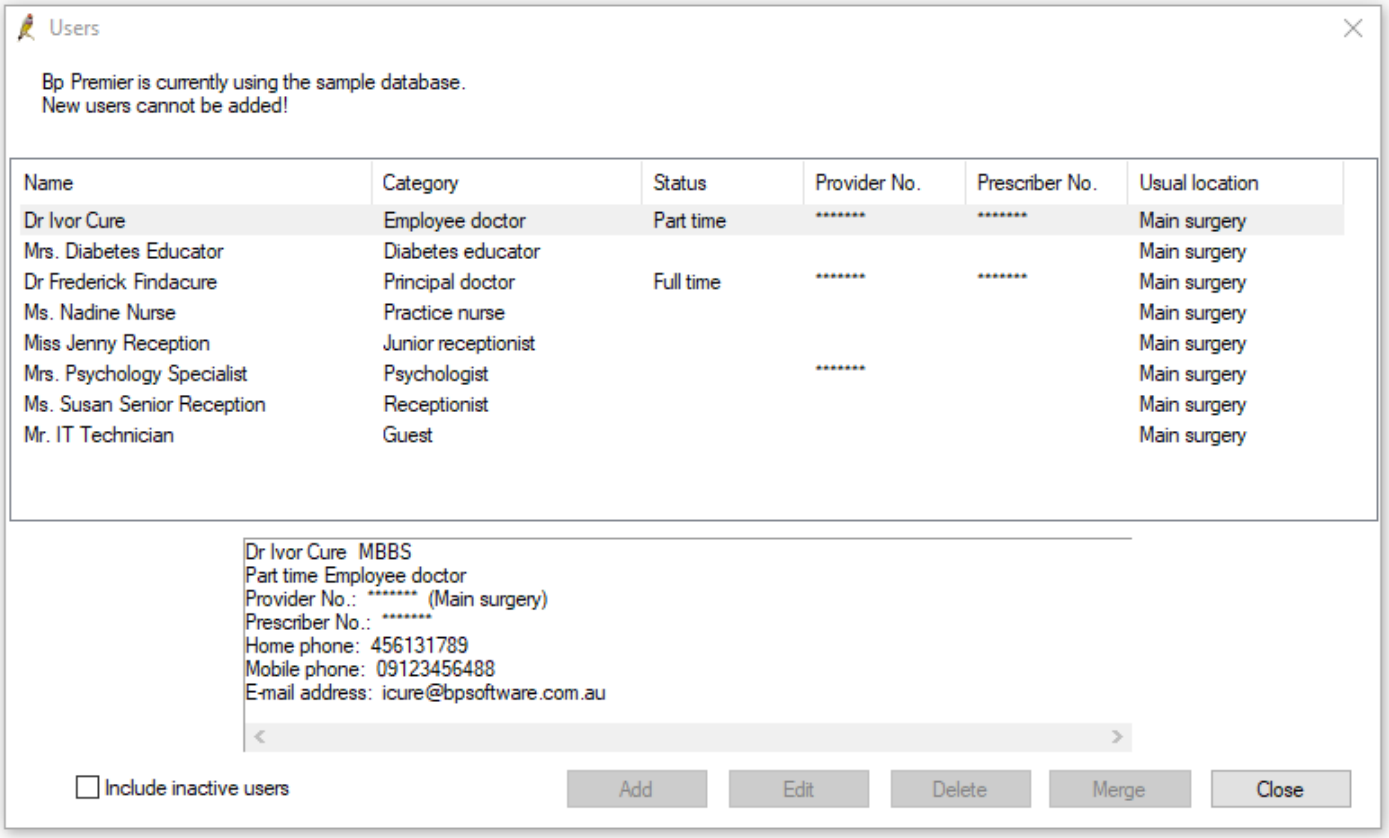
4.25. OSR-CS2 – Clients with an Episode of Care from a given HCP type

This measure records the number of clients with an Episode of Care recorded within the reporting period from a given type of Health Care Professional. A **visit** in Bp Premier is used to indicate an Episode of Care.

A **visit** is recorded in the **Patient Clinical Record** when any information is saved against the patient, for example by filling out the **Today's Notes** section.



The measure is further disaggregated based on the **Category** of the user who performed the visit. This information can be found on the **User Configuration** screen:



	Sex *Male*	**Sex** *Female*	**Sex** *Unknown/Blank*	
Ethnicity *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander*	OSR-CS2-0001	OSR-CS2-0004	OSR-CS2-0007	**User Category** *Aboriginal Health Worker*
	OSR-CS2-0010	OSR-CS2-0013	OSR-CS2-0016	**User Category** *Aboriginal and Torres Strait Islander Health Practitioner*
	OSR-CS2-0019	OSR-CS2-0022	OSR-CS2-0025	**User Categories** *Principal Doctor, Employee Doctor*
	OSR-CS2-0028	OSR-CS2-0031	OSR-CS2-0034	**User Categories** *Practice Nurse, Nurse Practitioner, Child and Maternal Nurse*
	OSR-CS2-0037	OSR-CS2-0040	OSR-CS2-0043	**User Category** *Midwife*
	OSR-CS2-0046	OSR-CS2-0049	OSR-CS2-0052	**User Category** *Drug and Alcohol Worker*
	OSR-CS2-0055	OSR-CS2-0058	OSR-CS2-0061	**User Category** *Tobacco Worker*
	OSR-CS2-0064	OSR-CS2-0067	OSR-CS2-0070	**User Category** *Dentist*
	OSR-CS2-0073	OSR-CS2-0076	OSR-CS2-0079	**User Category** *Dental prosthetist*
	OSR-CS2-0082	OSR-CS2-0085	OSR-CS2-0088	**User Category** *Sexual Health Worker*
	OSR-CS2-0091	OSR-CS2-0094	OSR-CS2-0097	**User Category** *Traditional Healer*
	OSR-CS2-0100	OSR-CS2-0103	OSR-CS2-0106	**User Categories** *Medical Student*
	OSR-CS2-0226	OSR-CS2-0229	OSR-CS2-0232	**User Category** *Psychologist*
	OSR-CS2-0235	OSR-CS2-0238	OSR-CS2-0241	**User Category** *Counsellor*
	OSR-CS2-0244	OSR-CS2-0247	OSR-CS2-0250	**User Category** *Social worker*

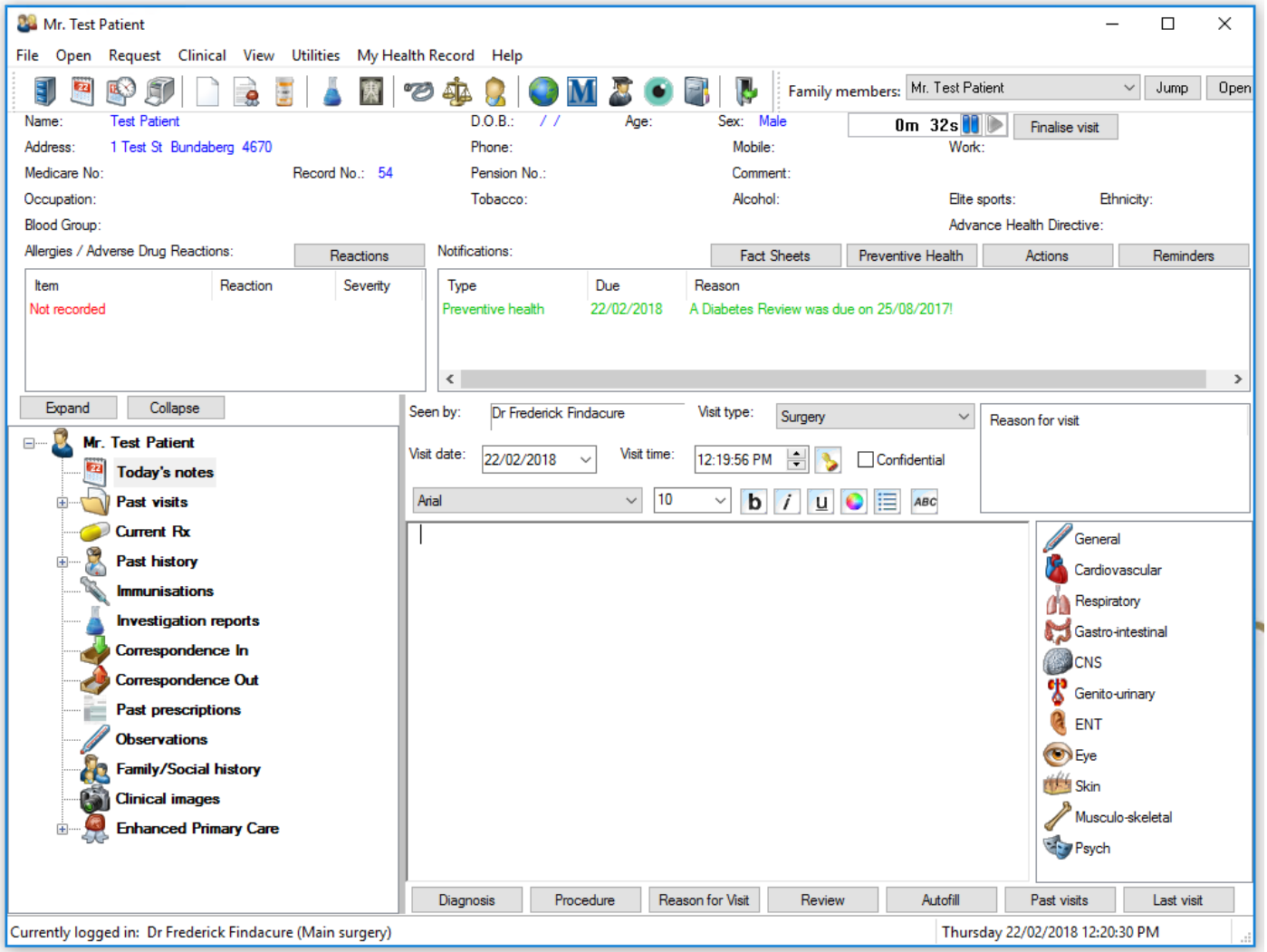
	OSR-CS2-0253	OSR-CS2-0256	OSR-CS2-0259	**User Category** *Welfare Worker*
	OSR-CS2-0271	OSR-CS2-0274	OSR-CS2-0277	**User Category** *SEWB Staff*
	OSR-CS2-0280	OSR-CS2-0283	OSR-CS2-0286	**User Category** *Audiologist*
	OSR-CS2-0289	OSR-CS2-0292	OSR-CS2-0295	**User Category** *Diabetes educator*
	OSR-CS2-0298	OSR-CS2-0301	OSR-CS2-0304	**User Category** *Dietician*
	OSR-CS2-0307	OSR-CS2-0310	OSR-CS2-0313	**User Category** *Optometrist*
	OSR-CS2-0316	OSR-CS2-0319	OSR-CS2-0322	**User Category** *Clinical Pharmacist*
	OSR-CS2-0325	OSR-CS2-0328	OSR-CS2-0331	**User Category** *Physiotherapist*
	OSR-CS2-0334	OSR-CS2-0337	OSR-CS2-0340	**User Category** *Podiatrist*
	OSR-CS2-0343	OSR-CS2-0346	OSR-CS2-0349	**User Category** *Speech pathologist*
	OSR-CS2-0352	OSR-CS2-0355	OSR-CS2-0358	**User Categories** *Occupational therapist, Orthoptist, Chiropractor, Exercise physiologist, Radiographer, Osteopath, Massage Therapist*
Ethnicity not *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal, Both Aboriginal and Torres Strait Islander, (blank) or Unknown*	OSR-CS2-0002	OSR-CS2-0005	OSR-CS2-0008	**User Category** *Aboriginal Health Worker*
	OSR-CS2-0011	OSR-CS2-0014	OSR-CS2-0017	**User Category** *Aboriginal and Torres Strait Islander Health Practitioner*
	OSR-CS2-0020	OSR-CS2-0023	OSR-CS2-0026	**User Categories** *Principal Doctor, Employee Doctor*
	OSR-CS2-0029	OSR-CS2-0032	OSR-CS2-0035	**User Categories** *Practice Nurse, Nurse Practitioner, Child and Maternal Nurse*
	OSR-CS2-0038	OSR-CS2-0041	OSR-CS2-0044	**User Category** *Midwife*
	OSR-CS2-0047	OSR-CS2-0050	OSR-CS2-0053	**User Category** *Drug and Alcohol Worker*
	OSR-CS2-0056	OSR-CS2-0059	OSR-CS2-0062	**User Category** *Tobacco Worker*
	OSR-CS2-0065	OSR-CS2-0068	OSR-CS2-0071	**User Category** *Dentist*
	OSR-CS2-0074	OSR-CS2-0077	OSR-CS2-0080	**User Category** *Dental prosthetist*
	OSR-CS2-0083	OSR-CS2-0086	OSR-CS2-0089	**User Category** *Sexual Health Worker*
	OSR-CS2-0092	OSR-CS2-0095	OSR-CS2-0098	**User Category** *Traditional Healer*
	OSR-CS2-0101	OSR-CS2-0104	OSR-CS2-0107	**User Categories** *Medical Student*
	OSR-CS2-0227	OSR-CS2-0230	OSR-CS2-0233	**User Category** *Psychologist*
	OSR-CS2-0236	OSR-CS2-0239	OSR-CS2-0242	**User Category** *Counsellor*
	OSR-CS2-0245	OSR-CS2-0248	OSR-CS2-0251	**User Category** *Social worker*
	OSR-CS2-0254	OSR-CS2-0257	OSR-CS2-0260	**User Category** *Welfare Worker*
	OSR-CS2-0272	OSR-CS2-0275	OSR-CS2-0278	**User Category** *SEWB Staff*
	OSR-CS2-0281	OSR-CS2-0284	OSR-CS2-0287	**User Category** *Audiologist*
	OSR-CS2-0290	OSR-CS2-0293	OSR-CS2-0296	**User Category** *Diabetes educator*
	OSR-CS2-0299	OSR-CS2-0302	OSR-CS2-0305	**User Category** *Dietician*
	OSR-CS2-0308	OSR-CS2-0311	OSR-CS2-0314	**User Category** *Optometrist*
	OSR-CS2-0317	OSR-CS2-0320	OSR-CS2-0323	**User Category** *Clinical Pharmacist*
	OSR-CS2-0326	OSR-CS2-0329	OSR-CS2-0332	**User Category** *Physiotherapist*
	OSR-CS2-0335	OSR-CS2-0338	OSR-CS2-0341	**User Category** *Podiatrist*

	OSR-CS2-0344	OSR-CS2-0347	OSR-CS2-0350	**User Category** *Speech pathologist*
	OSR-CS2-0353	OSR-CS2-0356	OSR-CS2-0359	**User Categories** *Occupational therapist, Orthoptist, Chiropractor, Exercise physiologist, Radiographer, Osteopath, Massage Therapist*
Ethnicity *(blank) or Unknown*	OSR-CS2-0003	OSR-CS2-0006	OSR-CS2-0009	**User Category** *Aboriginal Health Worker*
	OSR-CS2-0012	OSR-CS2-0015	OSR-CS2-0018	**User Category** *Aboriginal and Torres Strait Islander Health Practitioner*
	OSR-CS2-0021	OSR-CS2-0024	OSR-CS2-0027	**User Categories** *Principal Doctor, Employee Doctor*
	OSR-CS2-0030	OSR-CS2-0033	OSR-CS2-0036	**User Categories** *Practice Nurse, Nurse Practitioner, Child and Maternal Nurse*
	OSR-CS2-0039	OSR-CS2-0042	OSR-CS2-0045	**User Category** *Midwife*
	OSR-CS2-0048	OSR-CS2-0051	OSR-CS2-0054	**User Category** *Drug and Alcohol Worker*
	OSR-CS2-0057	OSR-CS2-0060	OSR-CS2-0063	**User Category** *Tobacco Worker*
	OSR-CS2-0066	OSR-CS2-0069	OSR-CS2-0072	**User Category** *Dentist*
	OSR-CS2-0075	OSR-CS2-0078	OSR-CS2-0081	**User Category** *Dental prosthetist*
	OSR-CS2-0084	OSR-CS2-0087	OSR-CS2-0090	**User Category** *Sexual Health Worker*
	OSR-CS2-0093	OSR-CS2-0096	OSR-CS2-0099	**User Category** *Traditional Healer*
	OSR-CS2-0102	OSR-CS2-0105	OSR-CS2-0108	**User Categories** *Medical Student*
	OSR-CS2-0228	OSR-CS2-0231	OSR-CS2-0234	**User Category** *Psychologist*
	OSR-CS2-0237	OSR-CS2-0240	OSR-CS2-0243	**User Category** *Counsellor*
	OSR-CS2-0246	OSR-CS2-0249	OSR-CS2-0252	**User Category** *Social worker*
	OSR-CS2-0255	OSR-CS2-0258	OSR-CS2-0261	**User Category** *Welfare Worker*
	OSR-CS2-0273	OSR-CS2-0276	OSR-CS2-0279	**User Category** *SEWB Staff*
	OSR-CS2-0282	OSR-CS2-0285	OSR-CS2-0288	**User Category** *Audiologist*
	OSR-CS2-0291	OSR-CS2-0294	OSR-CS2-0297	**User Category** *Diabetes educator*
	OSR-CS2-0300	OSR-CS2-0303	OSR-CS2-0306	**User Category** *Dietician*
	OSR-CS2-0309	OSR-CS2-0312	OSR-CS2-0315	**User Category** *Optometrist*
	OSR-CS2-0318	OSR-CS2-0321	OSR-CS2-0324	**User Category** *Clinical Pharmacist*
	OSR-CS2-0327	OSR-CS2-0330	OSR-CS2-0333	**User Category** *Physiotherapist*
	OSR-CS2-0336	OSR-CS2-0339	OSR-CS2-0342	**User Category** *Podiatrist*
	OSR-CS2-0345	OSR-CS2-0348	OSR-CS2-0351	**User Category** *Speech pathologist*
	OSR-CS2-0354	OSR-CS2-0357	OSR-CS2-0360	**User Categories** *Occupational therapist, Orthoptist, Chiropractor, Exercise physiologist, Radiographer, Osteopath, Massage Therapist*

4.26. OSR-CS3a – Clients seen by the Health Service

This measure records the number of clients who have been seen by the health service within the reporting period. A **visit** in Bp Premier is used to indicate that the patient was seen.

A **visit** is recorded in the **Patient Clinical Record** when any information is saved against the patient, for example by filling out the **Today's Notes** section.



The measure is disaggregated based on the following table:

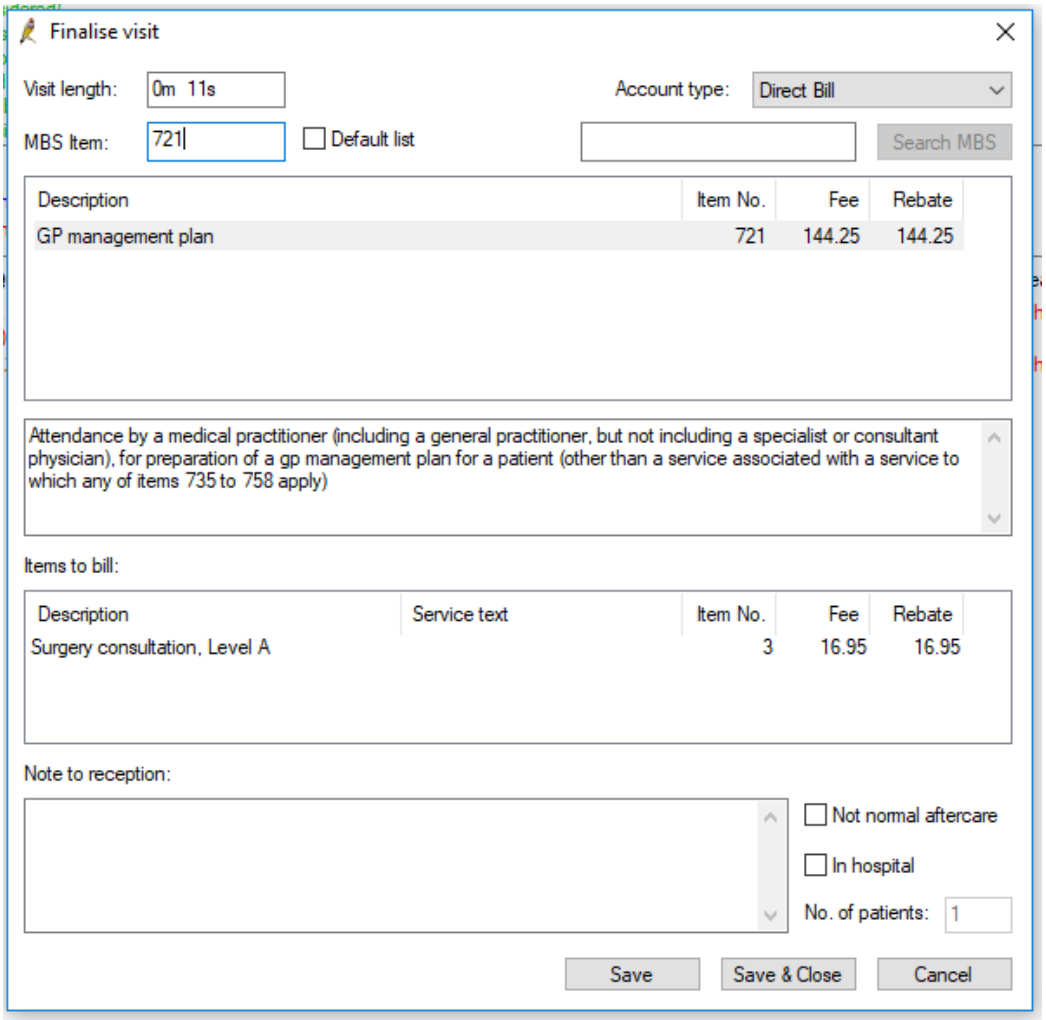
	Sex *Male*	**Sex** *Female*	**Sex** *Unknown/Blank*	
Ethnicity *Both Aboriginal and Torres Strait Islander, Aboriginal but not Torres Strait Islander, or Torres Strait Islander but not Aboriginal*	OSR-CS3a-0010	OSR-CS3a-0024	OSR-CS3a-0038	**Age** *0-4 years*
	OSR-CS3a-0011	OSR-CS3a-0025	OSR-CS3a-0039	**Age** *5-9 years*
	OSR-CS3a-0012	OSR-CS3a-0026	OSR-CS3a-0040	**Age** *10-14 years*
	OSR-CS3a-0013	OSR-CS3a-0027	OSR-CS3a-0041	**Age** *15-19 years*
	OSR-CS3a-0014	OSR-CS3a-0028	OSR-CS3a-0042	**Age** *20-24 years*
	OSR-CS3a-0015	OSR-CS3a-0029	OSR-CS3a-0043	**Age** *25-29 years*
	OSR-CS3a-0016	OSR-CS3a-0030	OSR-CS3a-0044	**Age** *30-34 years*
	OSR-CS3a-0017	OSR-CS3a-0031	OSR-CS3a-0045	**Age** *35-39 years*
	OSR-CS3a-0018	OSR-CS3a-0032	OSR-CS3a-0046	**Age** *40-44 years*
	OSR-CS3a-0019	OSR-CS3a-0033	OSR-CS3a-0047	**Age** *45-49 years*
	OSR-CS3a-0020	OSR-CS3a-0034	OSR-CS3a-0048	**Age** *50-54 years*

	OSR-CS3a-0021	OSR-CS3a-0035	OSR-CS3a-0049	**Age** *55-59 years*
	OSR-CS3a-0022	OSR-CS3a-0036	OSR-CS3a-0050	**Age** *60-64 years*
	OSR-CS3a-0023	OSR-CS3a-0037	OSR-CS3a-0051	**Age** *65+ years*
Ethnicity Not *Both Aboriginal and Torres Strait Islander, Aboriginal but not Torres Strait Islander, or Torres Strait Islander but not Aboriginal*	OSR-CS3a-0052	OSR-CS3a-0066	OSR-CS3a-0080	**Age** *0-4 years*
	OSR-CS3a-0053	OSR-CS3a-0067	OSR-CS3a-0081	**Age** *5-9 years*
	OSR-CS3a-0054	OSR-CS3a-0068	OSR-CS3a-0082	**Age** *10-14 years*
	OSR-CS3a-0055	OSR-CS3a-0069	OSR-CS3a-0083	**Age** *15-19 years*
	OSR-CS3a-0056	OSR-CS3a-0070	OSR-CS3a-0084	**Age** *20-24 years*
	OSR-CS3a-0057	OSR-CS3a-0071	OSR-CS3a-0085	**Age** *25-29 years*
	OSR-CS3a-0058	OSR-CS3a-0072	OSR-CS3a-0086	**Age** *30-34 years*
	OSR-CS3a-0059	OSR-CS3a-0073	OSR-CS3a-0087	**Age** *35-39 years*
	OSR-CS3a-0060	OSR-CS3a-0074	OSR-CS3a-0088	**Age** *40-44 years*
	OSR-CS3a-0061	OSR-CS3a-0075	OSR-CS3a-0089	**Age** *45-49 years*
	OSR-CS3a-0062	OSR-CS3a-0076	OSR-CS3a-0090	**Age** *50-54 years*
	OSR-CS3a-0063	OSR-CS3a-0077	OSR-CS3a-0091	**Age** *55-59 years*
	OSR-CS3a-0064	OSR-CS3a-0078	OSR-CS3a-0092	**Age** *60-64 years*
	OSR-CS3a-0065	OSR-CS3a-0079	OSR-CS3a-0093	**Age** *65+ years*
Ethnicity *(blank) or Unknown*	OSR-CS3a-0094	OSR-CS3a-0108	OSR-CS3a-0122	**Age** *0-4 years*
	OSR-CS3a-0095	OSR-CS3a-0109	OSR-CS3a-0123	**Age** *5-9 years*
	OSR-CS3a-0096	OSR-CS3a-0110	OSR-CS3a-0124	**Age** *10-14 years*
	OSR-CS3a-0097	OSR-CS3a-0111	OSR-CS3a-0125	**Age** *15-19 years*
	OSR-CS3a-0098	OSR-CS3a-0112	OSR-CS3a-0126	**Age** *20-24 years*
	OSR-CS3a-0099	OSR-CS3a-0113	OSR-CS3a-0127	**Age** *25-29 years*
	OSR-CS3a-0100	OSR-CS3a-0114	OSR-CS3a-0128	**Age** *30-34 years*
	OSR-CS3a-0101	OSR-CS3a-0115	OSR-CS3a-0129	**Age** *35-39 years*
	OSR-CS3a-0102	OSR-CS3a-0116	OSR-CS3a-0130	**Age** *40-44 years*
	OSR-CS3a-0103	OSR-CS3a-0117	OSR-CS3a-0131	**Age** *45-49 years*
	OSR-CS3a-0104	OSR-CS3a-0118	OSR-CS3a-0132	**Age** *50-54 years*
	OSR-CS3a-0105	OSR-CS3a-0119	OSR-CS3a-0133	**Age** *55-59 years*
	OSR-CS3a-0106	OSR-CS3a-0120	OSR-CS3a-0134	**Age** *60-64 years*
	OSR-CS3a-0107	OSR-CS3a-0121	OSR-CS3a-0135	**Age** *65+ years*

4.27. OSR-CS4 –Clients with Services Provided

This measure records the number of clients who have had a given type of health check (MBS-rebatable vs non-MBS Rebatable within the reporting period.

MBS Rebateable Indigenous Health Checks are identified by a **Service** for the patient existing with *MBS Item 715* (the patient must also be aged 25 years or older), while *MBS Rebateable GP Chronic Disease Management Plans* are identified by a **Service** for the patient existing with *MBS Item 721:*



Alternative *Indigenous Adult Health Checks* are identified through a **Reason for Visit** of *Check - Well Female, Check - Well Male, Check up - Well Female, Check up - Well Male, Check up, Health assessment, Routine check up, 45-49 yo health check, Health check, 45-49yo, Child health check, Health check, child, Adult health check, Health check, adult, Health check, over 75yr, Health check, indigenous over 55 yrs, Health check, indigenous 15-55 yrs, Health check, indigenous 0-7 yrs, Aged care assessment*, or *Healthy Kids check* for a visit that does not have a matching **MBS Item** recorded of *710.*

Alternative *Chronic Disease Management Plans* are identified through a **Reason for Visit** of *Care plan preparation, Care plan review, Care planning, Review of care plan, Care plan preparation, Care plan, GP Management Plan, Diabetic care plan, Care plan, diabetic, Asthma care plan, Care plan, asthma, Mental health care plan, Care plan, mental health, Asthma action plan* or *Chronic disease management* for a visit that does not have a matching **MBS Item** recorded of *721.*

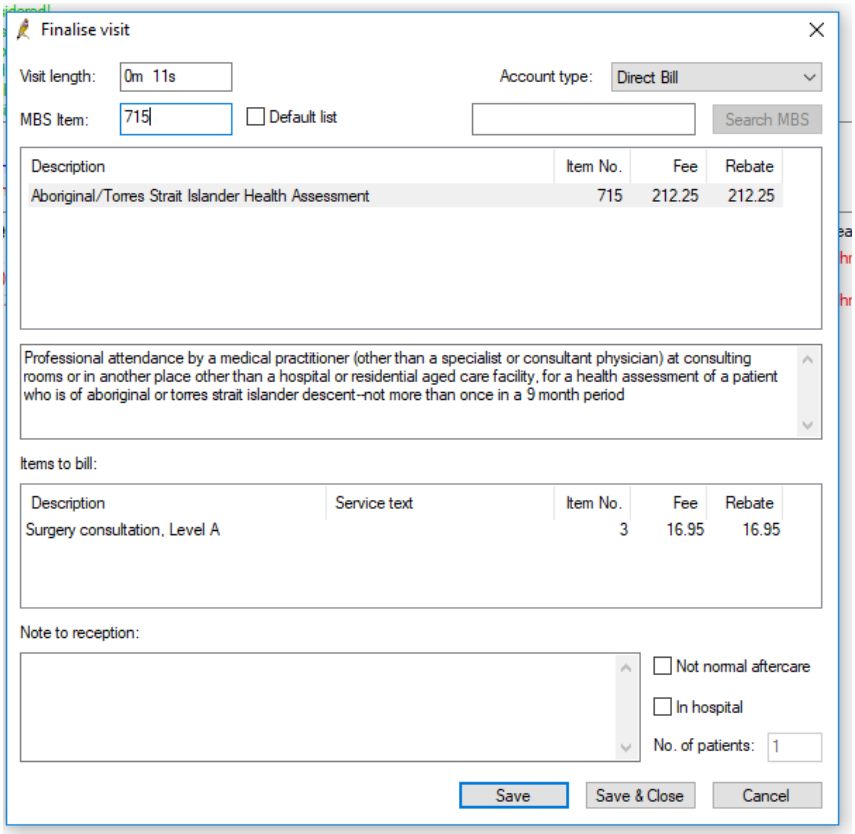
The measure is disaggregated based on the following table:

	Type *MBS Rebateable Indigenous Adult Health Check*	**Type** *Alternative Indigenous Adult Health Check*	**Type** *MBS Rebateable GP Chronic Disease Management Plan*	**Type** *Alternative Chronic Disease Management Plan*
Ethnicity *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander*	OSR-CS4-0001	OSR-CS4-0002	OSR-CS4-0003	OSR-CS4-0004
Ethnicity not one of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander, (blank) or Unknown*	OSR-CS4-0005	OSR-CS4-0006	OSR-CS4-0007	OSR-CS4-0008
Ethnicity *(blank) or Unknown*	OSR-CS4-0009	OSR-CS4-0010	OSR-CS4-0011	OSR-CS4-0012

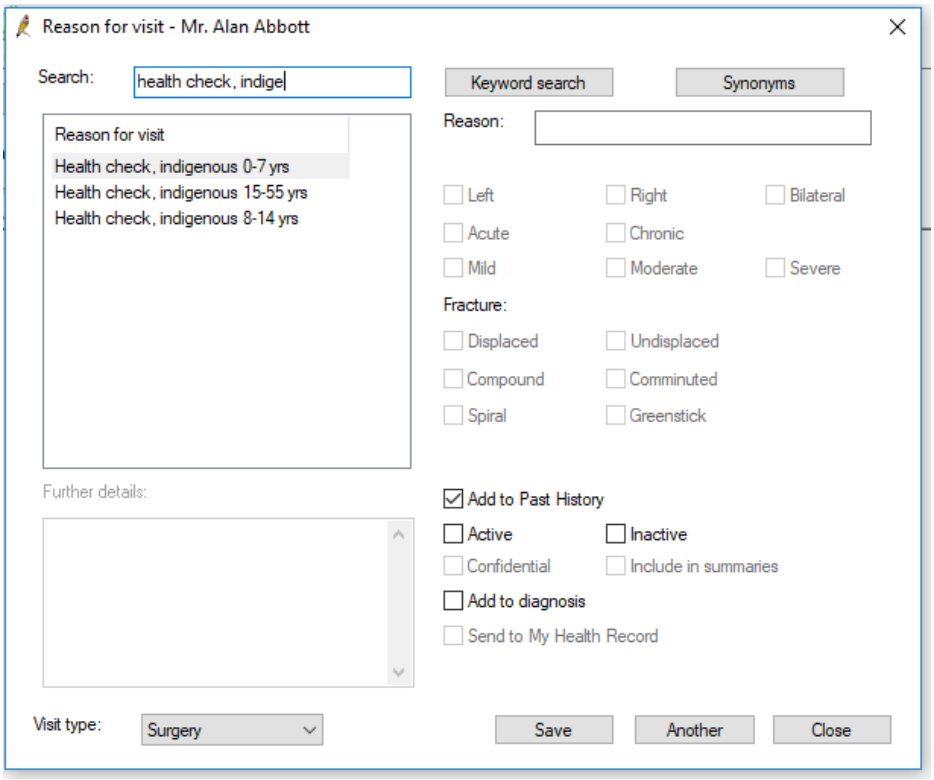
4.28. OSR-MCH1 – Child Health Checks

This measure records the child health checks of a given type conducted within a period.

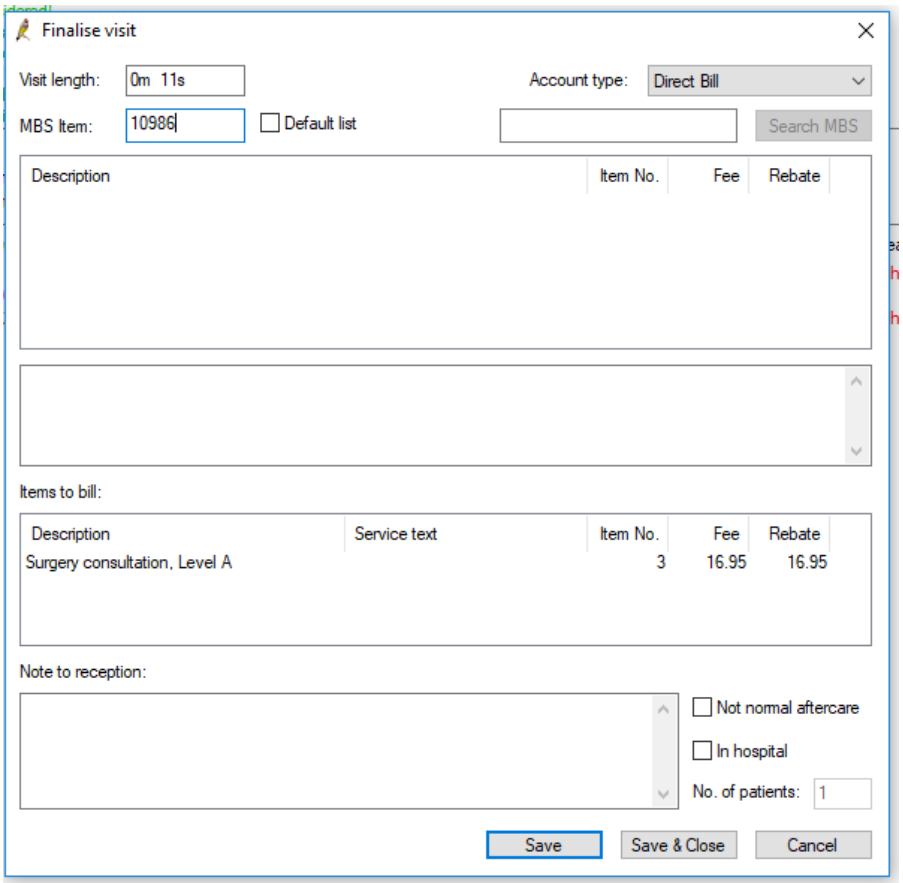
MBS Rebateable Child Health Checks are identified by a **Service** for the patient existing with *MBS Item 715* (the patient must also be aged 0 to 4 years). These are reported as OSR-MCH1-0001



Alternative ATSI child health checks are identified by a **Reason for Visit** existing of *Health check, indigenous 0-7 yrs* or *Health check, indigenous 8-14 yrs* without a corresponding *MBS Item 715 or 10986* existing for the same visit. These are reported as OSR-MCH1-0002

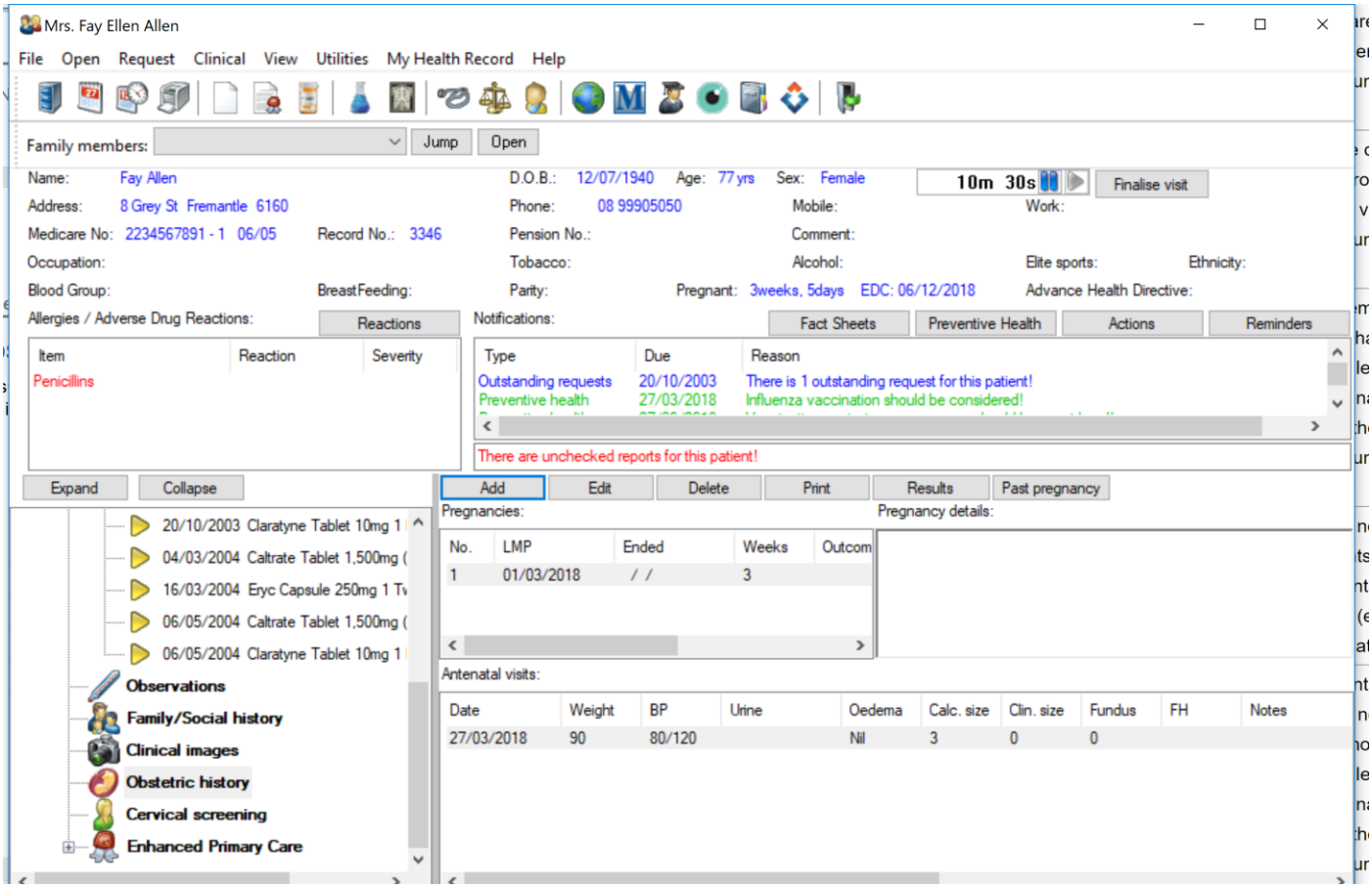


MBS Rebateable Child Health Checks are identified by a **Service** for the patient existing with *MBS Item 10986*. These are reported as OSR-MCH1-0003



4.29. OSR-MCH2 – Antenatal Visits

This measure reports a number of counts based on patients' **antenatal visits** at the clinic. **Antenatal visits** are displayed in the **Obstetric History** section of the **Patient Clinical Record** for female clients:



OSR-MCH2-0001 counts the number of *female* clients with an **ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander* who have at least one **Antenatal Visit** for the reporting period.

OSR-MCH2-0002 counts the total number of **Antenatal Visits** within the reporting period for *female* clients with an **ethnicity** of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal* or *Both Aboriginal and Torres Strait Islander.*

OSR-MCH2-0003 counts the number of *female* clients with an **ethnicity** not one of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal or Both Aboriginal and Torres Strait Islander, (blank) or Unknown* who have at least one **Antenatal Visit** for the reporting period.

OSR-MCH2-0004 counts the total number of **Antenatal Visits** within the reporting period for *female* clients with an **ethnicity** not one of *Aboriginal but not Torres Strait Islander, Torres Strait Islander but not Aboriginal or Both Aboriginal and Torres Strait Islander, (blank) or Unknown.*

OSR-MCH2-0005 counts the number of *female* clients with an **ethnicity** of *(blank) or Unknown* who have at least one **Antenatal Visit** for the reporting period.

OSR-MCH2-0006 counts the total number of **Antenatal Visits** within the reporting period for *female* clients with an **ethnicity** of *(blank) or Unknown.*

5. Health Provider Role Classification for Reporting

Mapping of health provider role classifications from reports to provider types in Bp Premier.

Role Classification for Reporting	Provider Type in Bp Premier
General Staff	
ATSI health worker	Aboriginal health worker
ATSI health practitioner	Aboriginal and Torres Strait Islander Health Practitioner
Doctor – general practitioner	Principal doctor Employee doctor
Nurse practitioner	Practice nurse Nurse practitioner Child and Maternal Nurse
Midwives	Midwife
Substance misuse / drug and alcohol worker	Drug and Alcohol Worker
Tobacco worker / co-ordinator	Tobacco Worker
Dentists / dental therapists	Dentist
Dental support (eg, dental assistant / dental technician)	Dental prosthetist
Sexual health worker	Sexual Health Worker
Traditional healer	Traditional Healer
Other health / clinical staff	Medical student
Transport – work for service	-
Medical Specialists	
Paediatrician	-
Endocrinologist	-
Ophthalmologist	-
Obstetrician / Gynecologists	-
Ear nose and throat specialist	-
Cardiologist	-
Renal medical specialist	-
Psychiatrist/psychiatric registrar	-
Dermatologist	-
Surgeon	-
Specialist other or not specified	-

Social and Emotional Wellbeing / Counsellors	
Psychologist	Psychologist
Counsellor	Counsellor
Social worker	Social worker
Welfare worker	Welfare Worker
SEWB staff – link up caseworker	-
SEWB staff other or not specified	SEWB Staff
Allied Health Professionals	
Audiologist/ audiometrist	Audiologist
Diabetes educator	Diabetes educator
Dietician	Dietitian
Optometrist	Optometrist
Pharmacist	Clinical pharmacist
Physiotherapist	Physiotherapist
Podiatrist	Podiatrist
Speech pathologist	Speech pathologist
Allied health other or not specified	Occupational therapist Exercise physiologist Radiographer Chiropractor Osteopath Massage therapist Orthoptist