QIM 8 – Cardiovascular Risk

Unknown macro: 'export-link'

Recipe Name:	QIM 8 – Cardiovascular Risk
Rationale:	Assessment of absolute CVD risk based on multiple risk factors is more accurate than that based on individual risk factors due to the cumulative nature of risk effects. Basing patient management decisions on this approach should improve CVD outcomes.
Target:	- Proportion of regular indigenous clients aged 35 -74 and regular non-indigenous clients aged 45 to 74 years with no recorded CVD, who have had all of the following information recorded: - Tobacco smoking - Diabetes - Diabetes status: Type 1 or Type 2 Diabetes - Diabetes risk: Fasting Glucose Test result, or a screening for glycosylated haemoglobin (HbA1c test result) - Systolic blood pressure - Total cholesterol and HDL cholesterol levels - Age - Sex Anyone with an existing cardiovascular conditions is excluded from this report.
CAT Starting Point:	1. CAT Open - CAT4 view (all reports) loaded 2. Population Extract Loaded and Extract Pane "Hidden" a. Filter Pane open and under the 'General' tab 'Active Patients' (3x <2 years) selected

The CV even risk report in CAT4 shows the risk level of patients based on the National Vascular Disease Prevention Alliance (NVDPA) guidelines: https://www.cvdcheck.org.au/australian-absolute-cardiovascular-disease-risk-calculator

The report will show the patients with all recorded values and their calculated risk and a second report will show those patients with incomplete data and which data items are missing. The second report in particular can be used to plan a quality improvement activity addressing cardiovascular risk and related measures.

CAT4 starting point

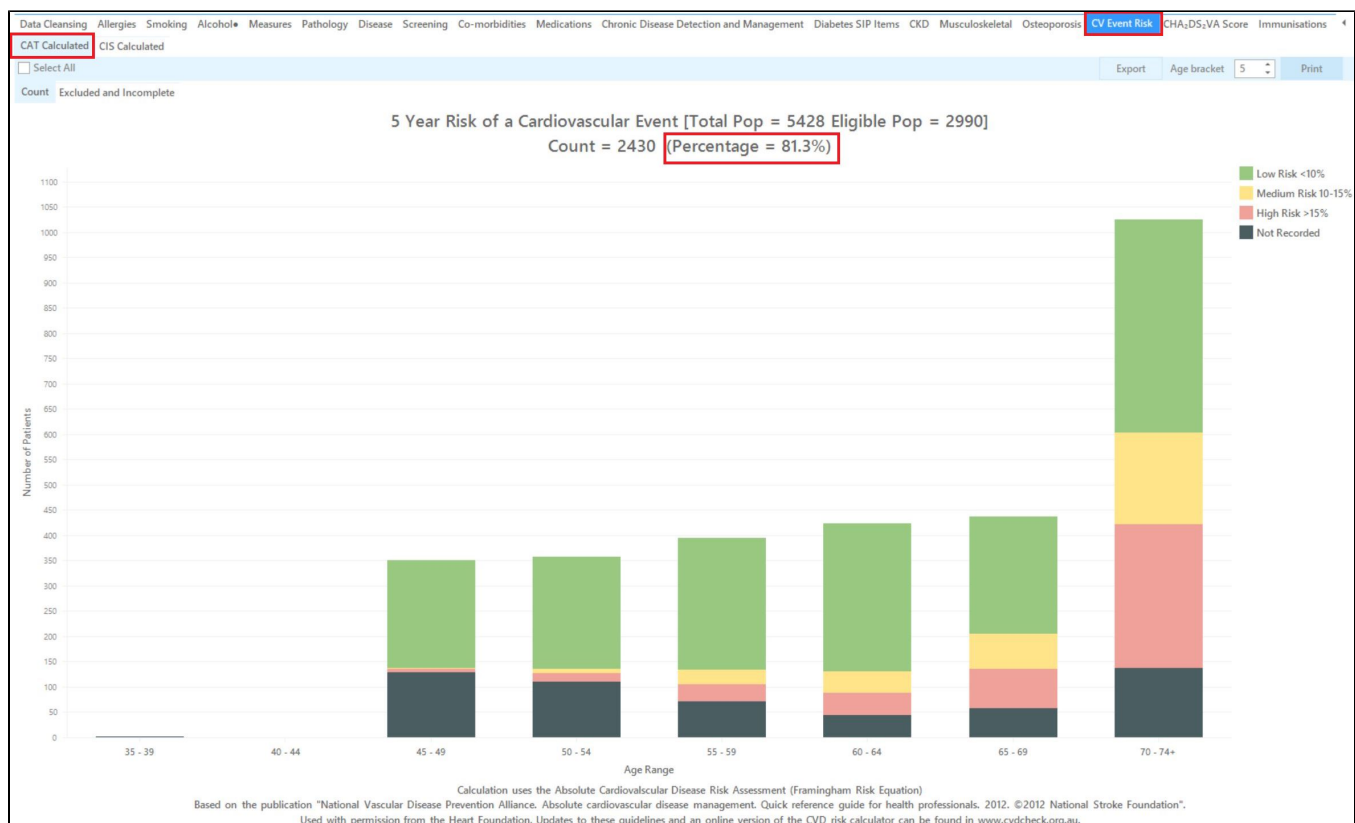- Active selected on the General Filter tab
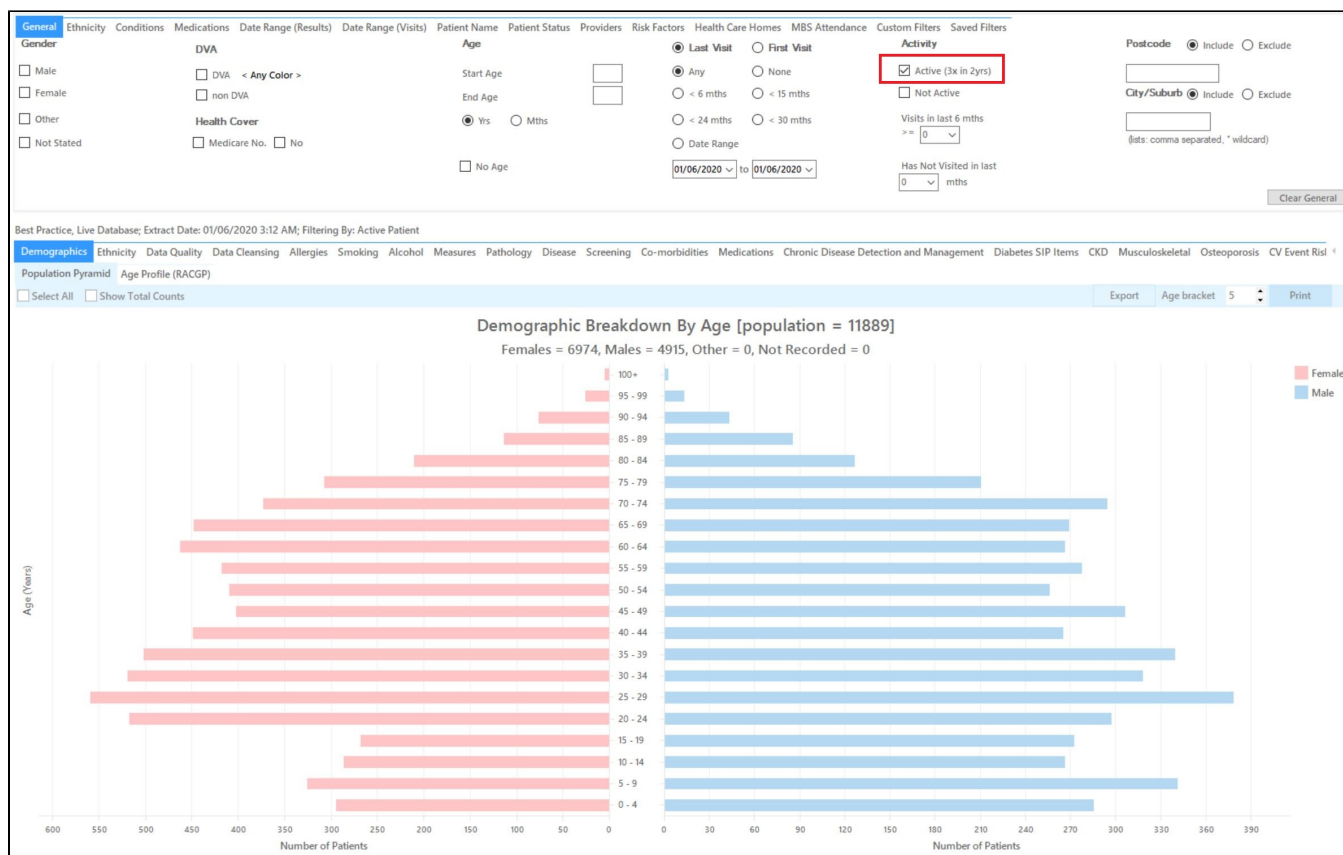
- **Click "Recalculate"**
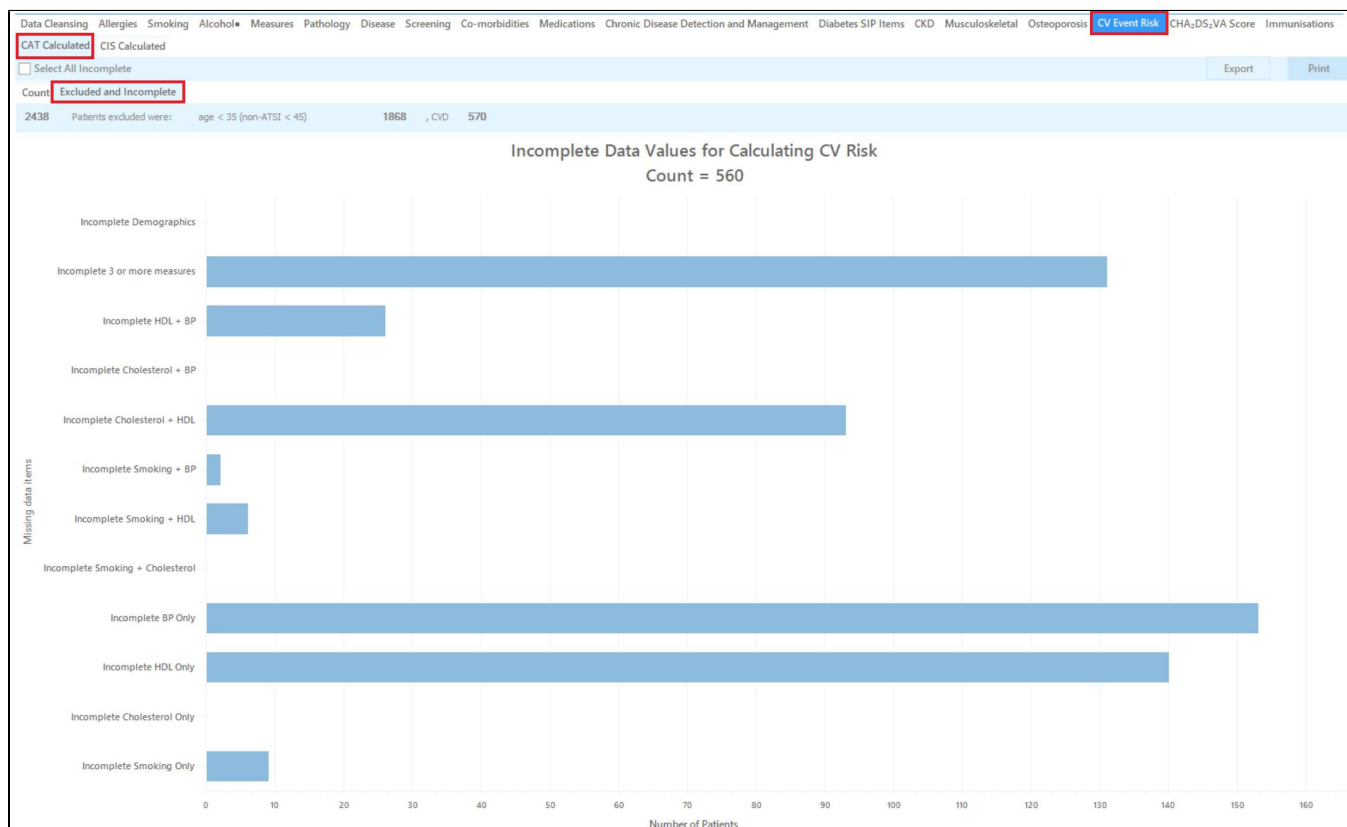
- **Click 'Hide Filters'**

Report Steps

- Select the "CV Event Risk" tab

This report will show you the CV Event risk status of your selected patient group and will allow you to measure improvement over time by comparing your reports.

The title of the report shows the number of patients matching the search criteria, in this case 2002 regular patients aged between 45 and 74 years. Out of those 1848 are eligible for the risk calculation as they don't have a diagnosis of a cardiovascular condition. Out of the 1848 eligible patients 1299 or 70.3% have all measures in place to calculate their CV Event risk.

CAT Calculated   CIS Calculated

☐ Select All   Export   Age bracket 5 ⬍   Print

Count   Excluded and Incomplete

5 Year Risk of a Cardiovascular Event [Total Pop = 5428 Eligible Pop = 2990]
Count = 2430 (Percentage = 81.3%)

Legend:
- Low Risk <10%
- Medium Risk 10-15%
- High Risk >15%
- Not Recorded

Y axis: Number of Patients
X axis: Age Range (35 - 39, 40 - 44, 45 - 49, 50 - 54, 55 - 59, 60 - 64, 65 - 69, 70 - 74+)

Calculation uses the Absolute Cardiovascular Disease Risk Assessment (Framingham Risk Equation)
Based on the publication "National Vascular Disease Prevention Alliance. Absolute cardiovascular disease management. Quick reference guide for health professionals. 2012. ©2012 National Stroke Foundation".
Used with permission from the Heart Foundation. Updates to these guidelines and an online version of the CVD risk calculator can be found in www.cvdcheck.org.au.

The next tab shows excluded and incomplete patient records:

CAT Calculated   CIS Calculated

☐ Select All Incomplete   Export   Print

Count   **Excluded and Incomplete**

2438   Patients excluded were: age < 35 (non-ATSI < 45)   1868   , CVD   570

Incomplete Data Values for Calculating CV Risk
Count = 560

Y axis (Missing data items):
- Incomplete Demographics
- Incomplete 3 or more measures
- Incomplete HDL + BP
- Incomplete Cholesterol + BP
- Incomplete Cholesterol + HDL
- Incomplete Smoking + BP
- Incomplete Smoking + HDL
- Incomplete Smoking + Cholesterol
- Incomplete BP Only
- Incomplete HDL Only
- Incomplete Cholesterol Only
- Incomplete Smoking Only

X axis: Number of Patients (0 to 160)

In this example there are 154 patients with a diagnosed condition who were excluded (2002-154= 1848) and 549 were excluded due to missing data items as listed in the graph. This graph makes it easy to measure change as part of a QI activity. Patients can be easily identify by clicking on the graph and their records can be updated or a Topbar prompt can be created for the missing data items.

To Export Patient List to Microsoft Excel:

1. Click on the "Export Icon" at the top of the Patient Reidentification window.
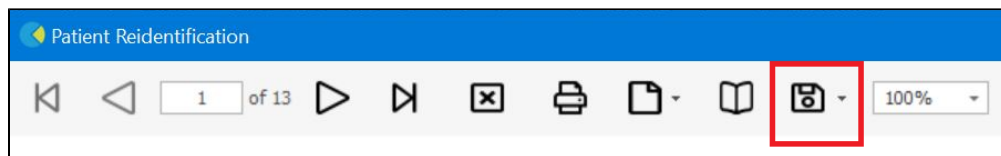
2. Click on "Excel"

3. Choose a file name and a location to save to (eg. Create a folder C:/ClinicalAudit/CAT Patient FollowUp)

4. Click "Save"

The steps above will produce a list of patients with contact details in MS Excel which can then be used to:

1. Go back through the individual patient records in the GP Clinical Desktop System (CDS) and update known records

2. Phone patients to update their record

3. Produce a mail merge to recall patients for follow up

Optional: Use Recall CAT SMS and voice messages for patient recall

Full details are here: Recall CAT

After you have applied one or more filters and/or cross tabulations and have selected the group of patients of interest, you will see the choices for SMS Recall and other options at the bottom of the patient re-identification report. This can be applied to all of our CAT Recipes or any custom search you want to perform.

CAT Starting Point:
The Patient Reidentification window displays your list of filtered patients

Patient Reidentification | — □ ✕

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Reidentify Report [patient count = 100]

Filtering By: Active Patient, Conditions (Diabetes - Yes), Last Results <= 12 mths, Selected: HbA1c % (mmol/mol) (Not recorded , Not recorded)

ID	Surname	First Name	Known As	Sex	D.O.B (Age)	Address	City	Postcode	Phone (H/W)	Phone (M)	Medicare	IHI	HbA1c % (mmol/mol)
6906	Surname	Firstname_259	Firstname_259	M	01/06/1969 (51)	12 Jogger St	Suburb Town	5242	H:07 50505050 W:07 50509999	1234999999	12341234123 4		Last on 31/05/2019
11275	Surname	Firstname_299	Firstname_299	F	01/06/1961 (59)	12 John St	Suburb Town	4117	H:07 50505050 W:07 50509999	1234999999	12341234123 4		Last on 28/05/2019
4232	Surname	Firstname_400	Firstname_400	F	01/06/1928 (92)	12 John St	Suburb Town	5621	H:07 50505050 W:07 50509999	1234999999	12341234123 4		Last on 06/07/2017
11578	Surname	Firstname_444	Firstname_444	F	01/06/1946 (74)	12 John St	Suburb Town	5667	H:07 50505050 W:07 50509999	1234999999	12341234123 4		Last on 13/12/2018
10999	Surname	Firstname_491	Firstname_491	F	01/06/1965	12 John St	Suburb Town	2817	H:07	1234999999	12341234123		Not recorded

Refine Selection   Add/Withdraw Patient Consent   GoShare Plus   SMS Recall   Voicemail Recall   Topbar Prompt

Customising Steps

You can refine the selection manually by clicking the 'Refine Selection' button.

Refine Selection   Add/Withdraw Patient Consent   GoShare Plus   SMS Recall   Voicemail Recall   Topbar Prompt

If you click on "SMS Recall", the "SMS Recall" window will be displayed with the name of your clinic. Enter a message that relates to the purpose of the notification. There are a number of options under the inclusion criteria:

- Patients who have opted out of receiving SMS from your clinic are removed by default
- Linking your online booking system to the SMS recall
- Include the opt-out message in the SMS for patient to "STOP" receiving SMS notifications sent through CAT4

Clicking on "Send" will send the message to all patients with a valid mobile phone number in their record. A confirmation message will prompt you with the number of messages to be sent and the required credits. Click yes to send the SMS recall.

After sending a SMS or Voice Message you will see a message like this one (for SMS)
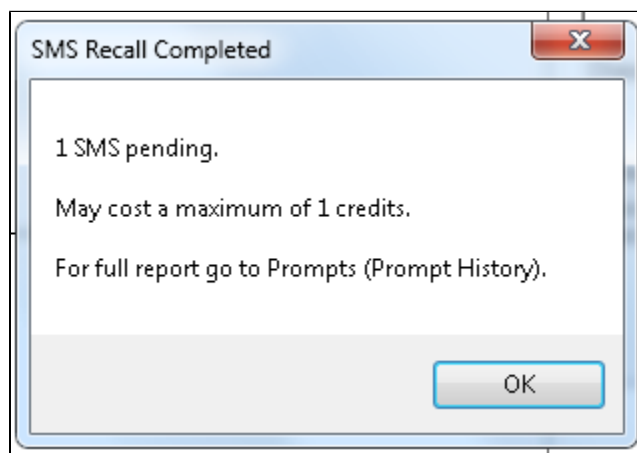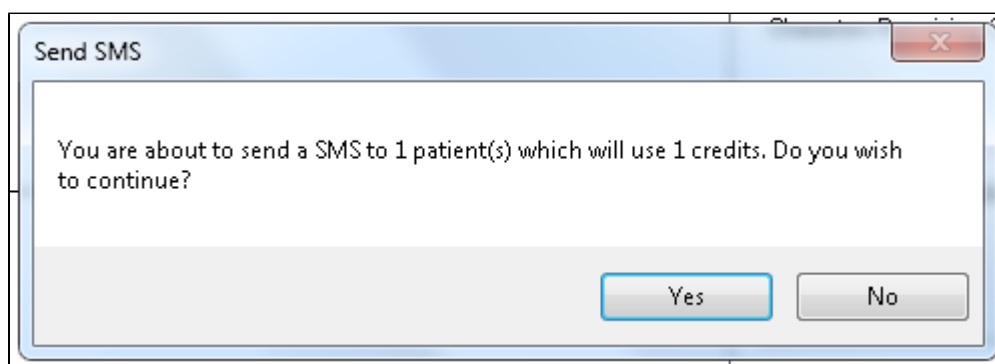
For full details on the prompt history, click on 'Prompts' and select 'SMS and Voicemail'
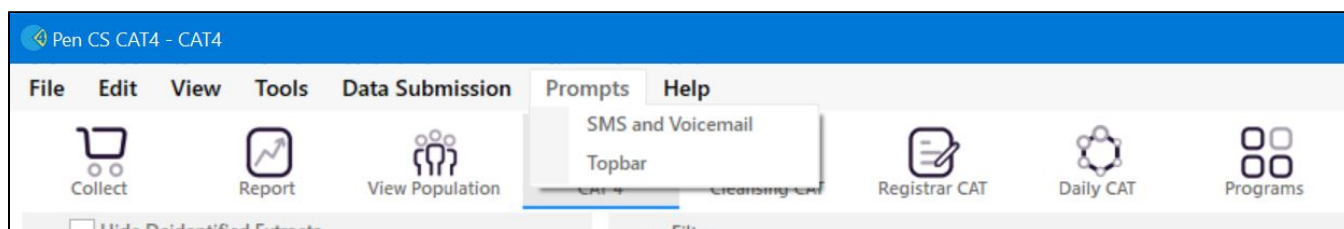
Recall CAT - Message History: http://help.pencs.com.au/display/CG/Recall+CAT+-+Message+History

Optional: Create a prompt to display in Topbar

> ⊘ Remember you need to be in the CAT4 Daily View to be able to create prompts. Other pre-requisites are:
>
> - Topbar is installed
> - CAT4 is linked to Topbar via Edit/Preferences/Topbar - check here for details: Linking CAT to Topbar

To start click on the 'Daily View' icon on the top of your CAT4 screen:

Once you have applied the filter(s) and displayed the patients of interest as described above, you can create a prompt that will be shown to all clinicians using Topbar if a patient meeting the prompt criteria is opened in their clinical system. The full guide is available at CAT PLUS PROMPTS and a short guide on how to create prompts in CAT4 can be found at Creating a Prompt in CAT4

To start you have to use the drop-down menu at the bottom of the patient details report and select "Prompt at Consult - Topbar" then click on "Go" to give the new prompt a name.

The name you enter is the prompt text displayed in Topbar, so choose a simple but clear name that tells the clinician seeing the prompt what should be done.