

# CAT Recipes

## Finding patients at risk of diabetes

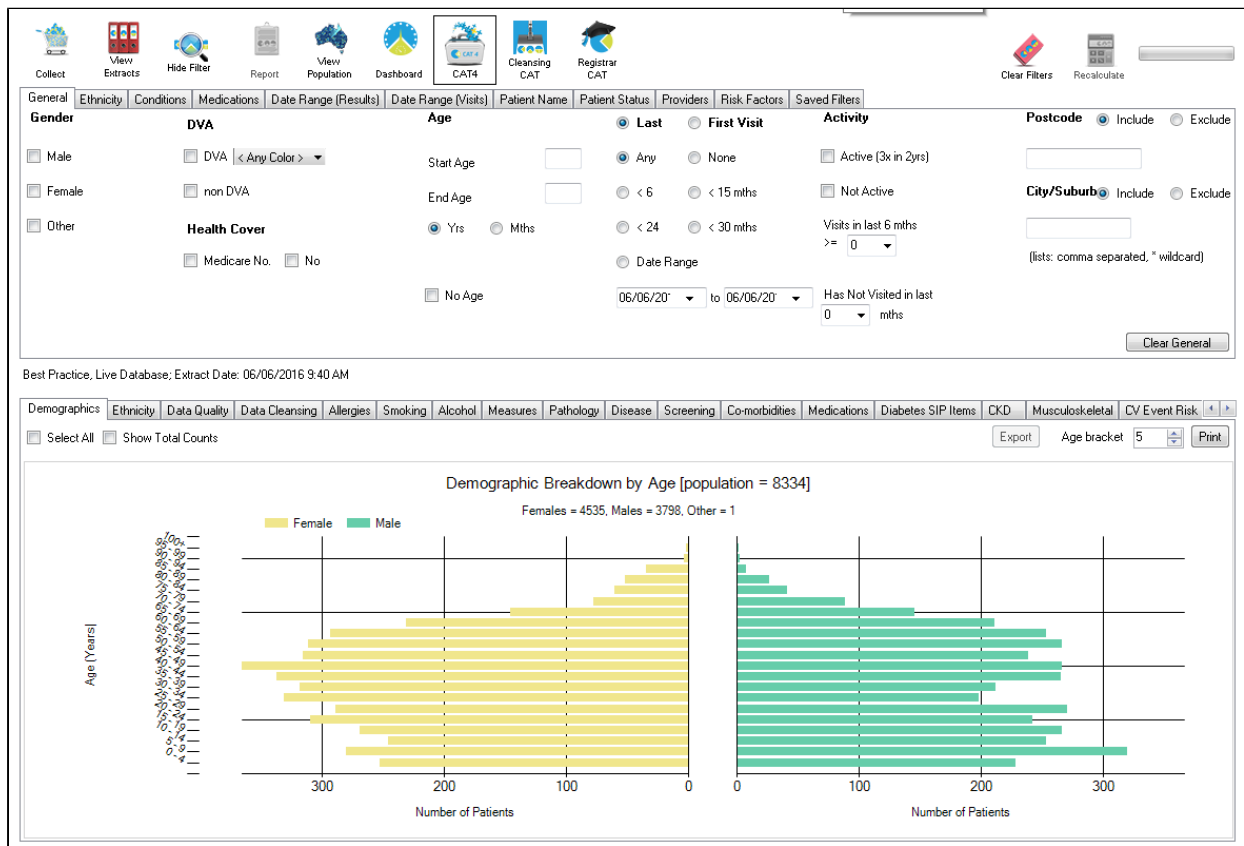
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Date: 13-Sep-2017 13:05

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<b>Recipe Name:</b>	Finding patients at risk of diabetes
<b>Rationale:</b>	Practice registers are critical for case finding and monitoring progress of patients in the early stage of developing a chronic complex condition. This recipe will identify patients at risk of developing diabetes or have not yet been diagnosed with a chronic condition.
<b>Target:</b>	To identify all patients with no current diagnosis of diabetes who are at risk for developing diabetes based on their measures and lifestyle
<b>CAT Starting Point:</b>	<ol style="list-style-type: none"><li>1. CAT Open - CAT4 view (all reports) loaded</li><li>2. Population Extract Loaded and Extract Pane "Hidden"<ol style="list-style-type: none"><li>a. Filter Pane open and under the 'General' tab 'Active Patients' (3x &lt;2 years) selected (this step can be omitted if you want to search for all patients).</li></ol></li></ol>

CAT Start screen



## RECIPE Steps Filters:

- In the Start Age box type 40 to only show patients older than 40 (or choose another age group you are interested in)
- In the "General" filter tab click on 'Active (3x in 2yrs)' - OPTIONAL!

This screenshot shows the 'General' filter tab with specific filters applied. The 'Start Age' box is highlighted with a red rectangle and contains the value '40'. The 'Activity' section has the 'Active [3x in 2yrs]' checkbox checked, also highlighted with a red rectangle. The 'Date Range' is set from '20/04/20' to '20/04/20'. The 'Clear General' button is visible at the bottom right.

Click on "Conditions" tab under Diabetes select "No"

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General	Ethnicity	Conditions	Medications	Date Range (Results)	Date Range (Visits)	Patient Name	Patient Status	Providers	Risk Factors	Saved Filters
<div> <div>Chronic</div> <div>Mental Health</div> <div>Other</div> </div> <div> <div>Diabetes</div> <div>Respiratory</div> <div>Cardiovascular</div> <div>Musculoskeletal</div> <div>Renal Impairment</div> </div>										
<div> <div> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div> <div> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <div> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <div> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <div> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> </div> <div> <div> <input type="checkbox"/> Asthma <input type="checkbox"/> COPD </div> <div> <input type="checkbox"/> Hypertension <input type="checkbox"/> Heart Failure <input type="checkbox"/> Cardiovascular Disease (CVD) <input type="checkbox"/> CHD <input type="checkbox"/> Stroke <input type="checkbox"/> MI </div> <div> <input type="checkbox"/> PAD <input type="checkbox"/> Carotid Stenosis <input type="checkbox"/> Renal Artery Stenosis </div> </div> <div> <div> <input type="checkbox"/> Inflammatory <input type="checkbox"/> Musculoskeletal <input type="checkbox"/> Bone Disease <input type="checkbox"/> Osteoporosis <input type="checkbox"/> Osteoarthritis </div> <div> <input type="checkbox"/> Chronic Renal <input type="checkbox"/> Acute Renal </div> </div> <div> <input type="button" value="Clear Conditions"/> </div>										

Click on the 'Date Range (Results)' filter to only show results that have been recorded in a specified date range, in this example in the last 12 months. This will move all patients with results older than 12 months to the 'not recorded' part of the reports and avoids listing patients with old results. You can vary the date range or leave this filter out - it depends on your data and interests.

General	Ethnicity	Conditions	Medications	Date Range (Results)	Date Range (Visits)	Patient Name	Patient Status	Providers	Risk Factors	Saved Filters
<div>Date Range for Last Recorded Result or Event</div> <div> The date range selected will filter out results or events that are not within the selected period and treat them as not recorded. This filter is not applicable to graphs that display time periods. </div> <div> <input type="radio"/> All <input type="radio"/> &lt;= 6 mths <input checked="" type="radio"/> &lt;= 12 mths <input type="radio"/> &lt;= 24 mths </div> <div> <input type="radio"/> Date Range (from - to) </div> <div> 20/04/20 - 20/04/20 </div> <div> Use for:  Measurements  Pathology  MBS Items  Maternal Health (birth date/weight)  Visit Types  Digital Health (SHS/ES uploads) </div> <div> <input type="button" value="Clear Results"/> </div>										

Click on "Risk Factors" and under "Other Risk Categories" select Smoking, Alcohol and Obesity - you might have to reduce the amount of risk factors if you don't get any patients matching all criteria

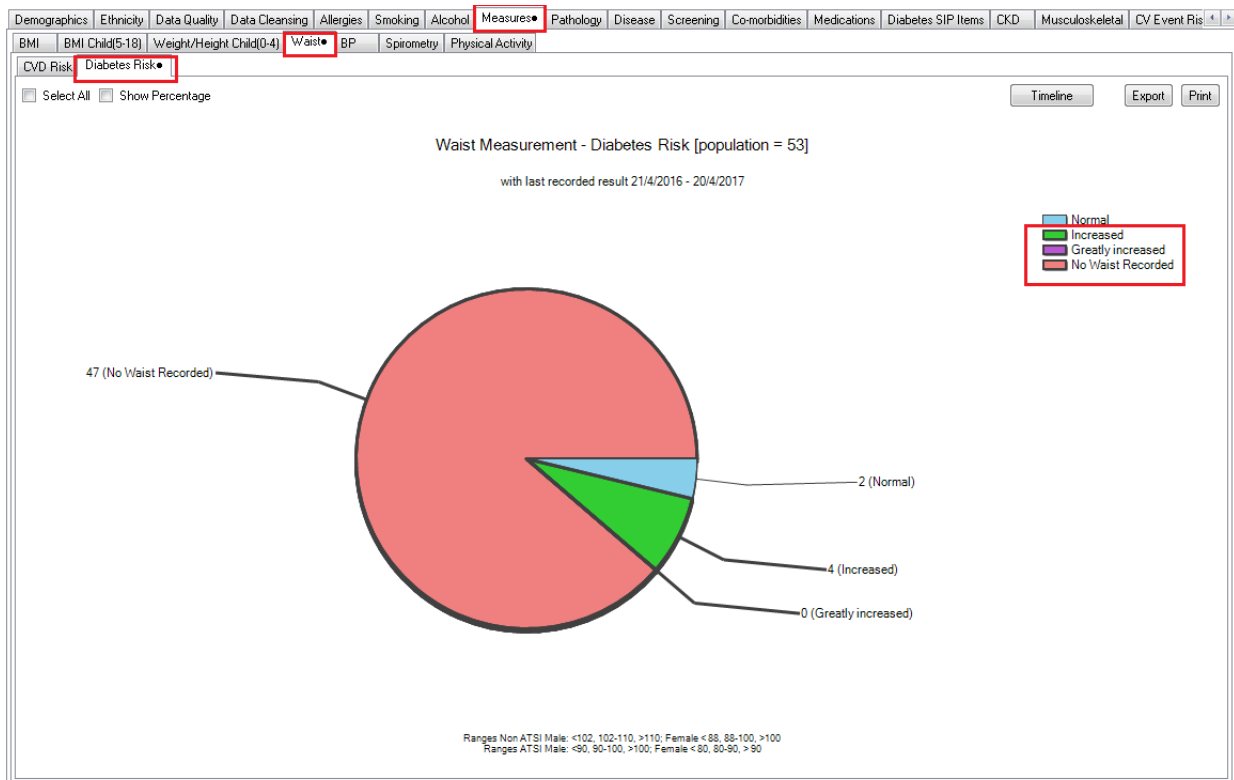
General	Ethnicity	Conditions	Medications	Date Range (Results)	Date Range (Visits)	Patient Name	Patient Status	Providers	Risk Factors	Saved Filters
<div>Risk Factors</div> <div> <div> <div>Substance Abuse</div> <div> <input checked="" type="checkbox"/> Smoking <input checked="" type="checkbox"/> Alcohol - Drinker <input checked="" type="checkbox"/> Alcohol - Drinker High Risk * <input type="checkbox"/> Medication/Drug abuse *** </div> </div> <div> <div>Requires Immunisation</div> <div> Has Conditions increasing risk of <input type="checkbox"/> Pneumococcal </div> </div> <div> <div>Other Risk Categories</div> <div> <input type="checkbox"/> Pregnancy <input checked="" type="checkbox"/> Obesity </div> </div> </div> <div> * 2 or more drinks on a regular occasion or more than 4 drinks on any occasion ** Diagnosis </div>										

Click "Recalculate"

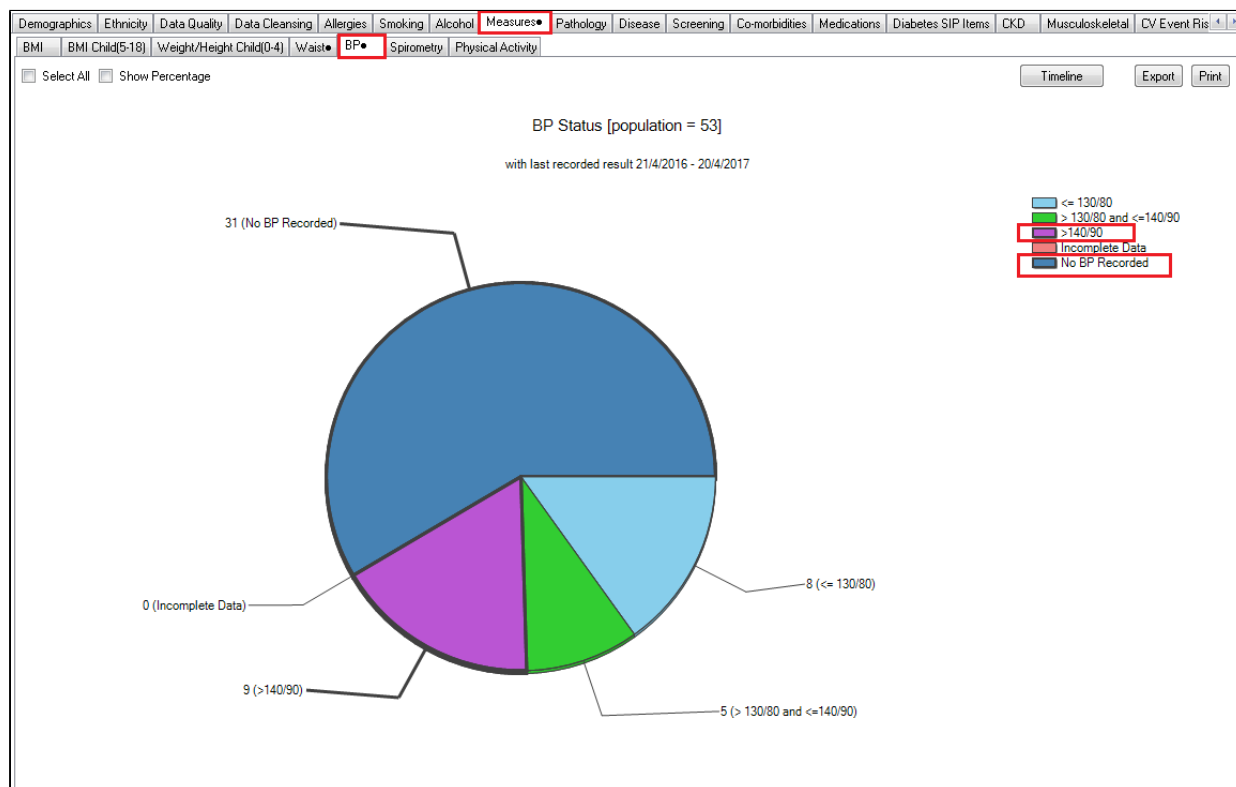
<input type="button" value="Clear Filters"/> <input type="button" value="Recalculate"/>
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Under "Measures" report tab select "Waist" and click on "Diabetes Risk" and select all parts of the graph but the 'Normal' range



Under "Measures" report tab select "BP" select ">140/90" - you can choose to also add patients with no BP recorded as all patients are at risk based on the other filters



Click on the 'Report' icon to apply our cross tabulation - for full details see here [Cross Tabulation Report](#)



This will produce a list with all patients not yet coded with diabetes who are smokers, drinkers, obese and have high or missing BP and/or waist measurements.

Patient Reidentification

1 of 1 100% Find | Next

**Cross Tabulation Reidentify Report [patient count = 39]**

Filtering By: Age 40+, Active Patient, Conditions (Diabetes - No), Risks (Smoking, Drinker), Last Results <= 12 mths, Selected: Waist (Increased, Not recorded, Not recorded), BP (>140/90, Not recorded, Not recorded)

ID	Surname	First Name	Known As	Sex	D.O.B	Address	City	Postcode	Phone (H/W)	Phone (M)	IHI	Waist	BP
264	Surname	Firstname_249	Firstname_249	F	20/04/1966	12 John St	Suburb Town	4899	H:07 50505050 W:07 50509999	1234999999		Not recorded	Last on 26/08/2015
7074	Surname	Firstname_545	Firstname_545	M	20/04/1975	12 Jogger St	Suburb Town	5160	H:07 50505050 W:07 50509999	1234999999		Not recorded	Last on 08/11/2012
5363	Surname	Firstname_731	Firstname_731	F	20/04/1970	12 John St	Suburb Town	4549	H:07 50505050 W:07 50509999	1234999999		Not recorded	Not recorded
3748	Surname	Firstname_849	Firstname_849	M	20/04/1964	12 Jogger St	Suburb Town	3959	H:07 50505050 W:07 50509999	1234999999		Not recorded	Last on 04/09/2013
2312	Surname	Firstname_1006	Firstname_1006	F	20/04/1966	12 John St	Suburb Town	5058	H:07 50505050 W:07 50509999	1234999999		Not recorded	Not recorded

Refine Selection Add/Withdraw Patient Consent for Sharing Data Go Close

## 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

## Create a prompt to display in Topbar

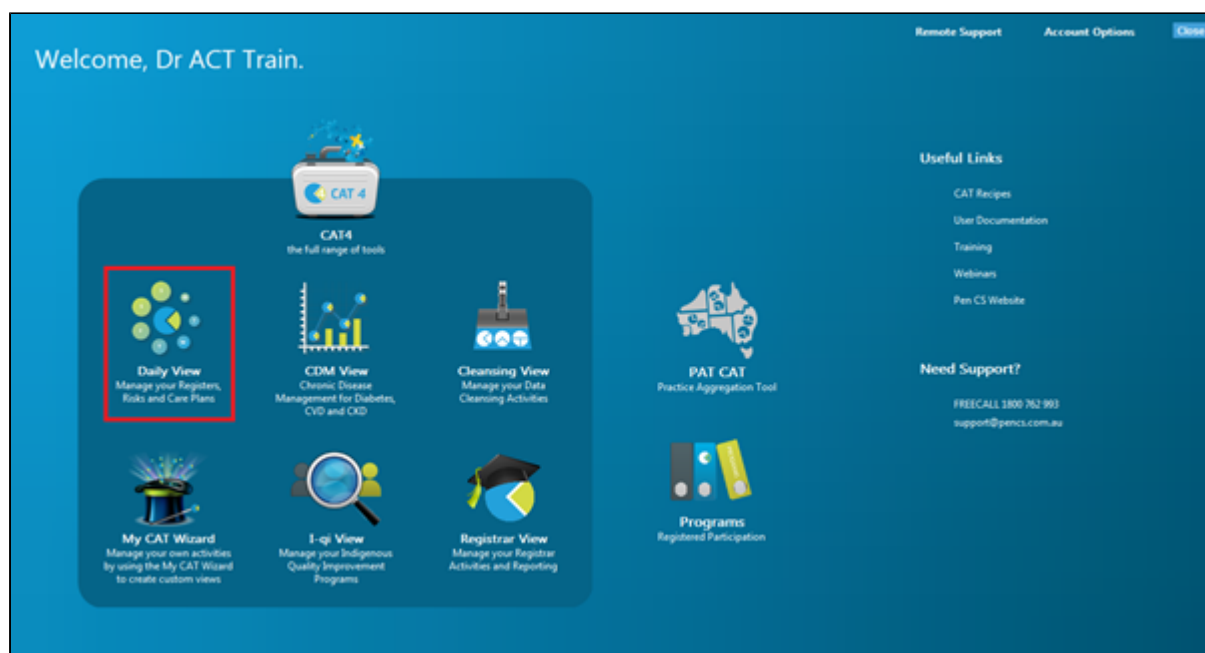


Remember you need to be in the CAT4 Daily View to be able to create prompts. Other pre-requisites are:

- Topbar is installed
- CAT4 is linked to Topbar via Edit/Preferences/Topbar - check here for details: [Linking CAT4 to Topbar](#)

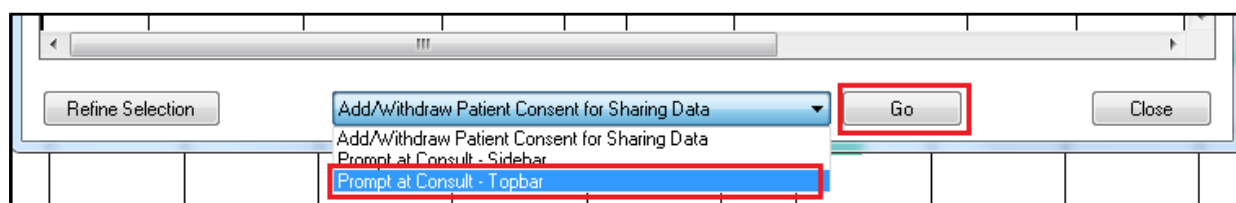
To start CAT4 in the Daily View, click on the 'Daily View' icon in the dashboard:

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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.



Prompt at Consult

**Name:** Message to clinician goes here!

**Filters:** Age 40+, Active Patient

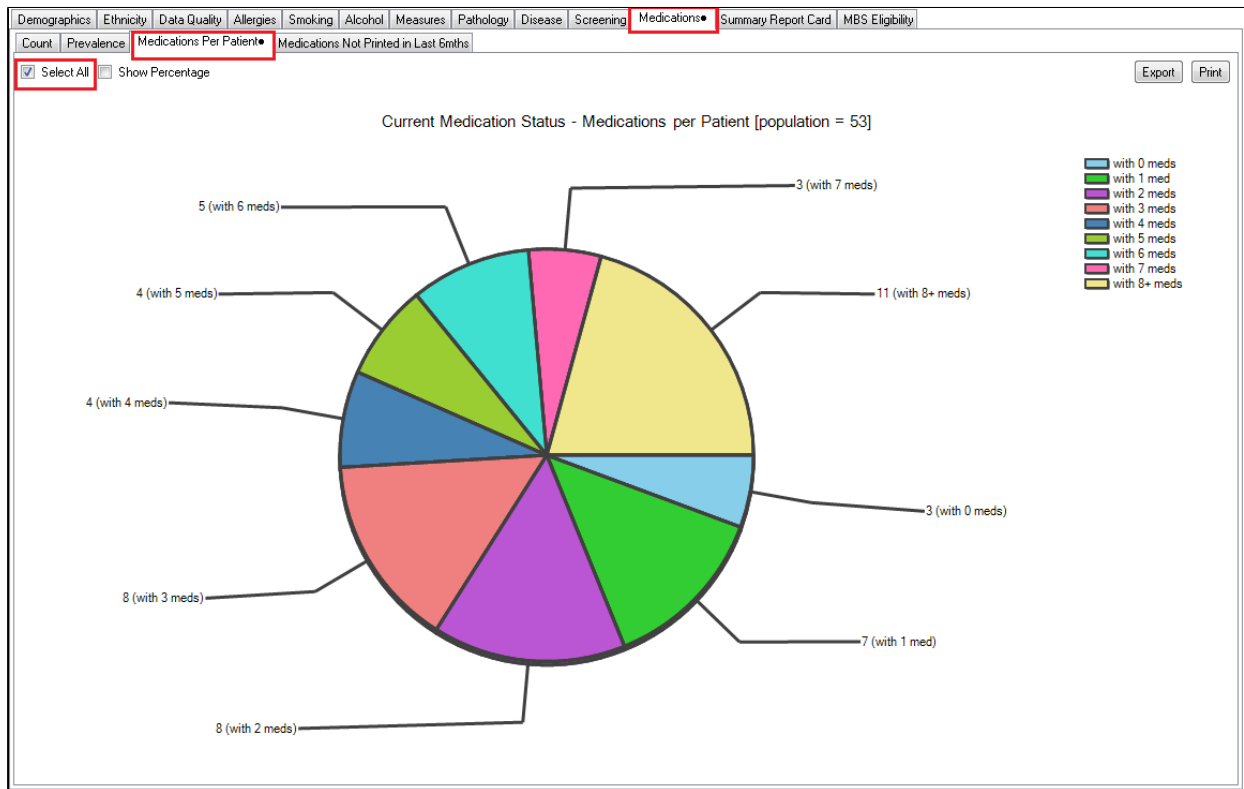
**Charts:** Waist CVD Risk : No Waist Recorded

OK Cancel

## 1 Optional

Adding the prescribed medication count to your identified risk group?

To add the “Medication Count” close the open “List” and select the “Medications” tab, under “Medications Per Patient” click “Select All”



Click on the 'Report' icon to apply our cross tabulation - for full details see here [Cross Tabulation Report](#)



This will add a new column to your patient re-identification report with the number of current medications.

Patient Reidentification

1

of 1

100%

Find | Next

Cross Tabulation Reidentify Report [patient count = 39]

Filtering By: Age 40+, Active Patient, Conditions (Diabetes - No), Risks (Smoking,Drinker), Last Results <= 12 mths, Selected: Waist (Increased, Not recorded, Not recorded ), BP (>140/90, Not recorded , Not recorded), Med. Count (0, 1, 2, 3, 4, 5, 6, 7, 13, 11, 8, 12, 14, 10, 9)

ID	Surname	First Name	Known As	Sex	D.O.B	Address	City	Postcode	Phone (H/W)	Phone (M)	Waist	BP	Med. Count
264	Surname	Firstname_249	Firstname_249	F	20/04/1966	12 John St	Suburb Town	4899	H:07 50505050 W:07 50509999	1234999999	Not recorded	Last on 26/08/2015	4
7074	Surname	Firstname_545	Firstname_545	M	20/04/1975	12 Jogger St	Suburb Town	5160	H:07 50505050 W:07 50509999	1234999999	Not recorded	Last on 08/11/2012	3
5363	Surname	Firstname_731	Firstname_731	F	20/04/1970	12 John St	Suburb Town	4549	H:07 50505050 W:07 50509999	1234999999	Not recorded	Not recorded	4
3748	Surname	Firstname_649	Firstname_649	M	20/04/1964	12 Jogger St	Suburb Town	3959	H:07 50505050 W:07 50509999	1234999999	Not recorded	Last on 04/09/2013	7
2312	Surname	Firstname_1006	Firstname_1006	F	20/04/1966	12 John St	Suburb Town	5058	H:07 50505050 W:07 50509999	1234999999	Not recorded	Not recorded	2

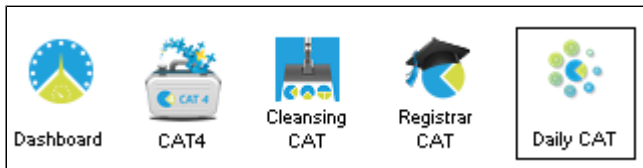
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## 2 Optional

Add the My Health Record status to your identified risk group?



This can't be done in the 'Daily View' - to see the Digital Health report you need to be in the CAT4 (full report) view. To switch between views you can use the icons on top of the screen or the dashboard. Report selections will be removed when switching views!



To add the "My Health Record Status" close the open "List" and **DESELECT** the "Select All" (Untick) "Medications Per Patient"

Click on "Digital Health" report tab and under "My Health Record Status" click on "Select All"

Click on the 'Report' icon to apply our cross tabulation

This will add the "My Health Record Status" to your list of patients.