



GENERAL PRACTICE
north west

Clinical Audit Tool (CAT)

A “How To” guide for GPs and Practice staff

BOOKLET TWO

DATA CLEANUP

SUMMARY REPORT CARD

Understanding Filter Functions

Searching for Diabetes *At Risk* Patients (Item 713)



INTRODUCTION

The Clinical Audit Tool (CAT) collects and then analyses clinical information from a GPs desk top software. This data is then transformed into usable statistics that can be displayed as graphs and tables.

This information can be used to assist a practice to evaluate a patient's information and to highlight opportunities to improve patient outcomes, particularly in chronic disease management, whilst also helping the practice to make choices that will improve its financial position.

The main areas in which the CAT can be useful are:

- Identifying patients with particular needs
- Identifying patients with specific health risk profiles
- Improving statistical and data collection compliance
- Meeting reporting requirements

An added advantage of the PEN CAT is that statistics are generated and can be used for the Australian Primary Care Collaborative (APCC) and the Department of Health and Ageing (DoHA) reporting requirements.

If you would like to have assistance with CAT or would like a demonstration of the program please contact the e-Health team at www.gpnw.com.au or on 03 6425 0800.


STARTING THE CLEANUP SUMMARY REPORT CARD

Clean data is simply making sure that the information that you input is correct and complete. Garbage in = garbage out, so it's important to ensure your data is correct.

It is also important to be working with active patients i.e. patients that have been 3 times in 2 years.


The summary report card is a function of the Clinical Audit Tool (CAT) that gives you a snapshot of your practices data, from this snap shot you can know what data you have and what is missing.


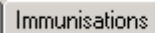


How to use the *Summary Report Card*:

1. Open your CAT and select you *Data Set*
2. Then click on the *View Filter* button  at the top left of your page
3. Select *Active Patients*

Activity

Active (3x in 2yrs)

4. Select *Recalculate* 
5. After the recalculation has finished select the *Standard Reports* from the tabs.



6. When the summary report card comes up select *Print* or *Save*, this will save as an Excel or a PDF document

Prepare Report | View History | Manual Measures | Prevention Measures

1 of 1 | 100% | Find | Next

APCC Report

Excel
Acrobat (PDF) file

CORONARY HEART DISEASE		Total	ATSI	Non ATSI	NR	Percentage			
						Total	ATSI	Non ATSI	NR
CHD-001	Number of patients on the CHD register	135	0	121	14				
	Patients with CHD whose last recorded BF within the last 12 months was:								
CHD-002	BP <=130/80 mmHg	60	0	53	7	44.44 %		43.80 %	50.00 %
CHD-003	BP Recorded	109	0	96	13	80.74 %		79.34 %	92.86 %
CHD-004	Patients with CHD who are currently prescribed an Antiplatelet Medication	92	0	84	8	68.15 %		69.42 %	57.14 %
CHD-005	Patients with CHD who are currently prescribed a Statin Medication	102	0	91	11	75.56 %		75.21 %	78.57 %
	Patients with CHD whose last recorded LDL/Cholesterol within the last 12 months was:								
CHD-006	LDL <= 2mmol/l or if no LDL, Cholesterol < 4mmol/l	6	0	4	2	4.44 %		3.31 %	14.29 %
CHD-007	Cholesterol Recorded	7	0	5	2	5.19 %		4.13 %	14.29 %
CHD-008	Patients with CHD who are currently prescribed an ACE or ARB Medication	82	0	70	12	60.74 %		57.85 %	85.71 %
	Patients with CHD whose Smoking status is:								
CHD-009	Non Smoker (i and ii)	77	0	68	9	57.04 %		56.20 %	64.29 %
CHD-010	i) Never Smoked	26	0	19	7	19.26 %		15.70 %	50.00 %

USING THE CONDITIONS FILTER

Start CAT and click on the view filters button and then click the conditions tab

Collect | View Extracts | Hide Filter | Report | View Pop. | Clear Filters | Recalculate

General | **Conditions** | Medications | Results | Providers | Saved Filters

Diabetes		Respiratory		Cardiovascular		Mental Health		Bone Disease		Other	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Atrial Fibrillation	<input type="checkbox"/> No
<input type="checkbox"/> Type II	<input type="checkbox"/> No	<input type="checkbox"/> Asthma	<input type="checkbox"/> No	<input type="checkbox"/> CHD	<input type="checkbox"/> No	<input type="checkbox"/> Depression	<input type="checkbox"/> No	<input type="checkbox"/> Osteoporosis	<input type="checkbox"/> No	<input type="checkbox"/> Hyperlipidaemia	<input type="checkbox"/> No
<input type="checkbox"/> Type I	<input type="checkbox"/> No	<input type="checkbox"/> COPD	<input type="checkbox"/> No	<input type="checkbox"/> Hypertension	<input type="checkbox"/> No	<input type="checkbox"/> Anxiety	<input type="checkbox"/> No	<input type="checkbox"/> Osteoarthritis	<input type="checkbox"/> No	<input type="checkbox"/> Pregnancy	<input type="checkbox"/> No
<input type="checkbox"/> Undefined Diabetic	<input type="checkbox"/> No			<input type="checkbox"/> Heart Failure	<input type="checkbox"/> No	<input type="checkbox"/> Schizophrenia	<input type="checkbox"/> No			<input type="checkbox"/> Drug Abuse	<input type="checkbox"/> No
<input type="checkbox"/> Type I or II				<input type="checkbox"/> Stroke	<input type="checkbox"/> No	<input type="checkbox"/> Bipolar	<input type="checkbox"/> No	Renal			
				<input type="checkbox"/> MI	<input type="checkbox"/> No	MH - Degenerative		<input type="checkbox"/> Impairment	<input type="checkbox"/> No		
				<input type="checkbox"/> Other	<input type="checkbox"/> No	<input type="checkbox"/> Dementia	<input type="checkbox"/> No	<input type="checkbox"/> Chronic Renal Failure	<input type="checkbox"/> No		

Clear Co

This brings up the conditions selection box, from here you can choose the condition you want to search for.

NOTE: selecting more than one condition at a time will show patients with ALL of these conditions not just patients that have only one of these conditions. For instance, if Joe Smith has heart disease and diabetes but Fred Jones only has diabetes, selecting both these conditions in the one search will only identify Joe Smith.

A useful point to note is that within the conditions filter tab each condition is grouped within headings. For example the table below gives a breakdown of the conditions within Type II diabetes.

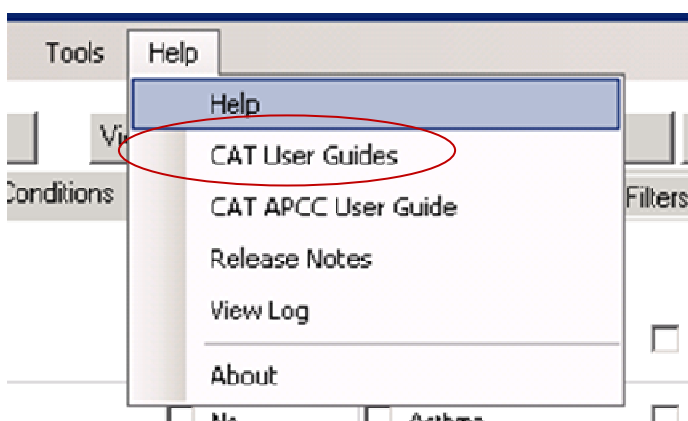
APPENDIX C-1 - CONDITIONS DATA MAPPINGS (BP)

The data collection process collects conditions that are found on the Best Practice 'Past History' screen in both the active and inactive parts of the screen. Chronic conditions are flagged as true for a patient if the condition is marked as **either active or inactive**.

From the list below only Asthma and Depression are regarded as being recoverable. These conditions are flagged as true if they are marked as **active only**.

CAT Category	Best Practice Mapping
Diabetes	
> Type II	Diabetes Mellitus, NIDDM Diabetes Mellitus, Type 2 NIDDM Non insulin dependent Diabetes Mellitus Type 2 Diabetes Mellitus
> Type I	Diabetes mellitus, IDDM Diabetes mellitus, Type 1 IDDM Insulin dependent Diabetes mellitus Juvenile onset Diabetes mellitus Type 1 Diabetes mellitus
> Undefined diabetic	Diabetes Diabetes - controlled Diabetes - Unstable Diabetes Mellitus Diabetic endarteritis Diabetic peripheral vascular disease Peripheral vascular disease, diabetic Unstable Diabetes

These can be found in the help menu then CAT User Guides and select which application you are using, Best Practice



User Documentation

Clinical Audit Tool (CAT)

Clinical Audit Tool - User Guide Version 2.9

[Part 1 - Installation and Configuration - Version 2.9.3 \[PDF 1.5MB\]](#)

[Part 2 - Functionality - Version 2.9.2 \[PDF 3.7MB\]](#)

Appendices

[Appendices B: Medical Director Data Mappings \[PDF\]](#)

[Appendices C: Best Practice Data Mappings \[PDF\]](#)

[Appendices D: Genie Data Mappings \[PDF\]](#)

[Appendices E: Zedmed Data Mappings \[PDF\]](#)

Quick Reference Guide Version 2.9

[Clinical Audit Quick Reference Guide - Version 2.9 \[PDF\]](#)

Appendices

FINDING YOUR DIABETES “AT RISK” PATIENTS

You can identify which of your patients are at risk of developing diabetes. Use the following procedure to find these patients with the CAT.

After starting CAT and selecting your current data set (see booklet one)

Select the view filter button

View Filter

Activity

Active (3x in 2yrs)

Not Active

Visits in last 6 mths

>= 0

Select the Active radio button

Age

Start Age

40

End Age

49

Yrs Mths

And then select your age range

Now select the conditions tab

General

Conditions

Medications

Results

Providers

Saved Filters



Now select the no check box this is because we are searching for people that are “at risk” of developing the disease not people that are already diagnosed with it.

General Conditions Medications

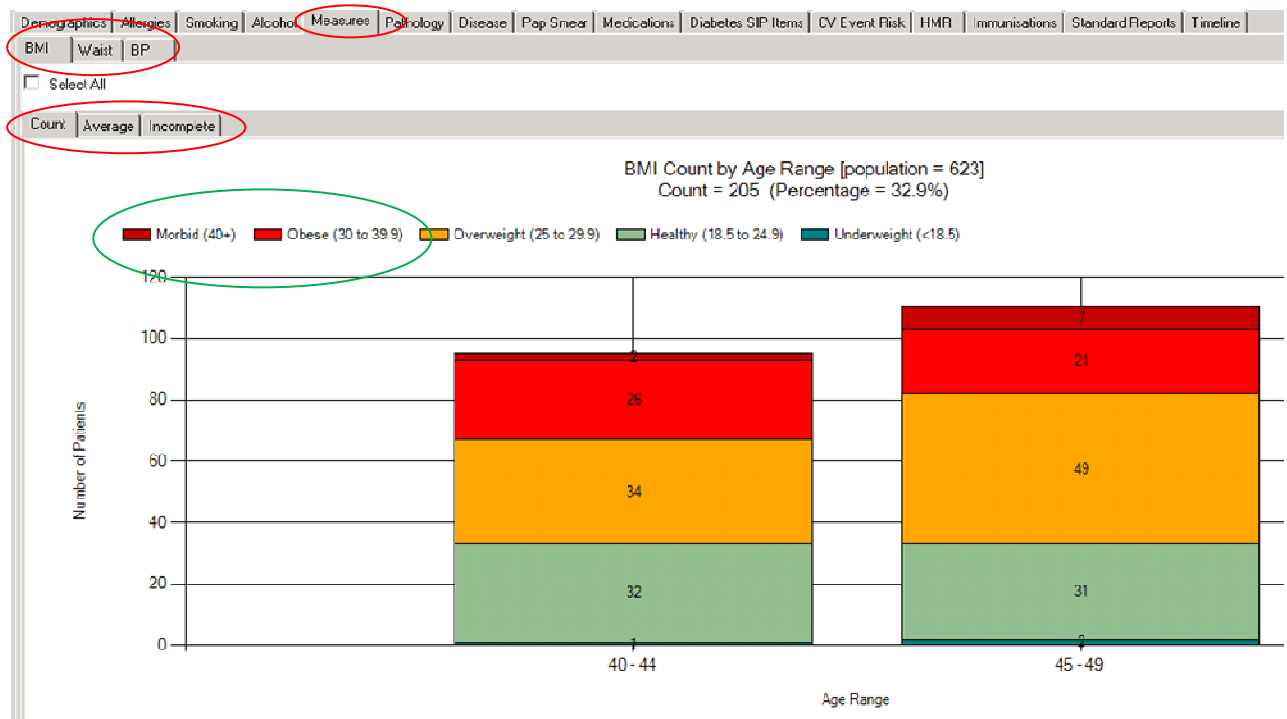
Diabetes

Yes No

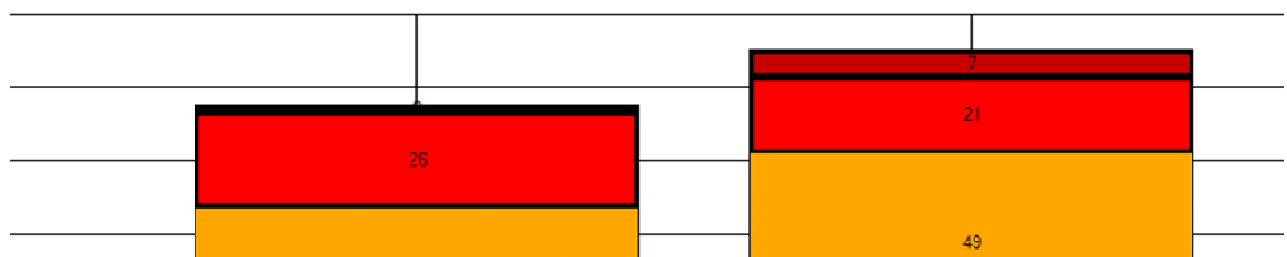
It is also an option to include hypertension from the cardiovascular section. However this should be a separate search on its own because this combination will only show people with both conditions.

Now you can click on the recalculate button Recalculate

Now click on the measures tab which will show BMI ,Waist and BP sub tabs. Also displayed are the count average and Incomplete tabs.



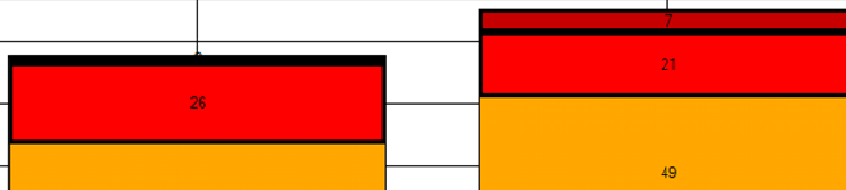
By clicking on the morbid and obese sections of the bar graph, those patients are selected



Now you can click on the export button and generate a report

The screenshot shows a software interface with a 'Patient Identification' window. The window title is 'Respiralc Patient Identification'. It contains a table with the following columns: ID, Surname, First Name, Known As, Sex, D.O.B, Address, City, and Postcode. The table lists 12 patients. Below the table, there is a 'Refine Selection' button and an 'OK' button. To the right of the window, there is an 'Export' button and an 'Age back' button. The interface also includes a 'Filtering By' section with 'Age >=' and 'Alcohol Meas' options, and a 'Results' section with 'Providers' and 'Saved Filters' tabs.

ID	Surname	First Name	Known As	Sex	D.O.B	Address	City	Postcode
12377632	Surname	Firstname	Known As	M	01/01/1950	1 Address St	Sydney	2099
123124332	Surname	Firstname	Known As	M	01/01/1950	1 Address St	Sydney	2099
123184832	Surname	Firstname	Known As	F	01/01/1950	1 Address St	Sydney	2761
123279932	Surname	Firstname		F	01/01/1950	1 Address St	Sydney	2099
123550432	Surname	Firstname	Known As	M	01/01/1950	1 Address St	Sydney	2076
123355132	Surname	Firstname	Known As	F	01/01/1950	1 Address St	Sydney	2759
123397232	Surname	Firstname		M	01/01/1950	1 Address St	Sydney	2099
123459132	Surname	Firstname	Known As	F	01/01/1950	1 Address St	Sydney	2099
123519632	Surname	Firstname		M	01/01/1950	1 Address St	Sydney	2754
123546332	Surname	Firstname	Known As	F	01/01/1950	1 Address St	Sydney	2550
123680732	Surname	Firstname	Known As	F	01/01/1950	1 Address St	Sydney	2759



The screenshot shows a software interface with a dropdown menu open. The menu options are 'Excel' and 'Acrobat (PDF) file'. The 'Excel' option is highlighted. The interface also shows a 'Filtering By' section with 'Age >=' and 'Alcohol Meas' options, and a 'Results' section with 'Providers' and 'Saved Filters' tabs.

As	Sex	D.O.B	Address	City
----	-----	-------	---------	------

Now select you preferred method print, excel spread sheet or PDF to display the patient list.

These patients can now be called or sent a reminder to see their doctor.





GENERAL PRACTICE
north west

to contact us:

General Practice North West

PO Box 358, Ulverstone, Tas, 7315

Level 1, 11 Alexandra Road, Ulverstone, Tas, 7315

Ph: 03 6425 0800 Fax: 03 6425 0888

Email: contact@gpnw.com.au

Web: www.gpnw.com.au

ABN 54 801 950 482

