

## Clinical Audit Tool (CAT) information sheet:

### Identification of priority groups for the H1N1 vaccine

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#### How can CAT identify priority groups for the H1N1 vaccine?

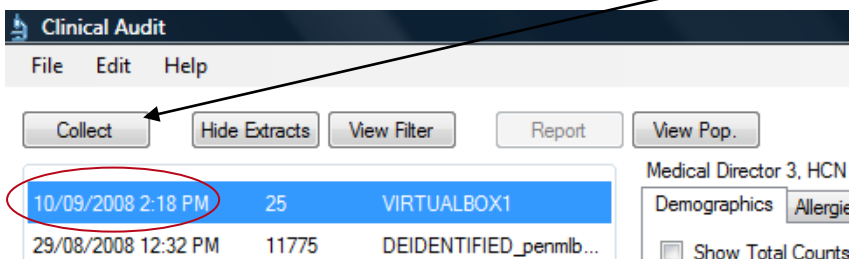
The pandemic (H1N1) 2009 vaccination program commences on 30 September 2009. The aim of the program is to provide free vaccine against pandemic (H1N1) 2009 influenza for all members of the community who wish to be vaccinated. The initial rollout of the vaccine will focus on priority groups identified as being at higher risk of complications from pandemic influenza. Practices that have the Clinical Audit Tool (CAT) can identify a good proportion of vulnerable priority groups using the suggested searches below.

Some priority groups will need to be identified using other means, i.e. practice/clinician knowledge or using clinical software, for example, health care and community care workers.

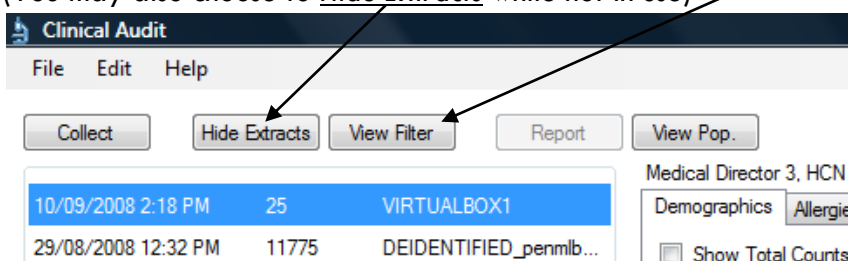
**Please note: Clinical judgement should be exercised to ensure appropriate targeting.** CAT searches are dependent on the accuracy of patient records and coding as with any search function or data extraction tool. Alternative searches may achieve the same or similar results.

#### Log into CAT and collect a new data set (snapshot):

1. Users will be prompted to install the latest upgrade next time they use CAT software. N.B. If you opt not to upgrade at this time you will not be prompted again until a new upgrade is available.
2. Log into CAT
3. Select recent extract or collect new data (consider *new collect* if last extract is older than 2 weeks)



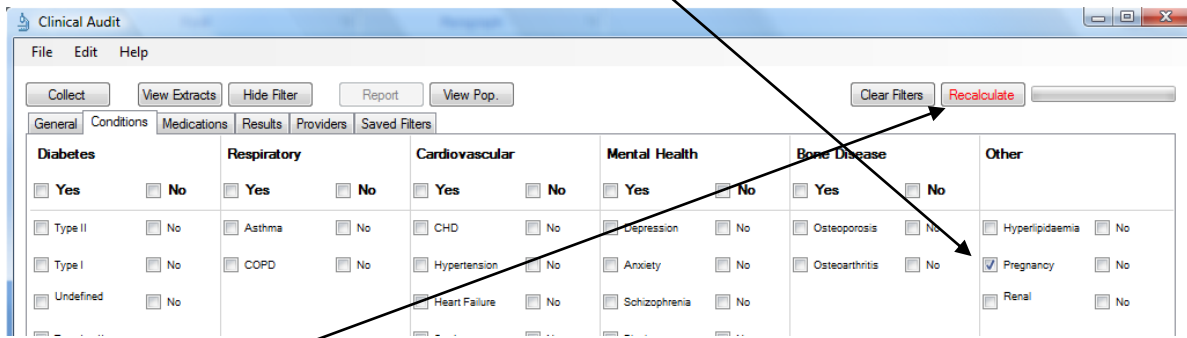
4. Once the first graph appears, open the filter, by clicking *View Filter*. (You may also choose to *Hide Extracts* while not in use)



## Identifying priority groups:

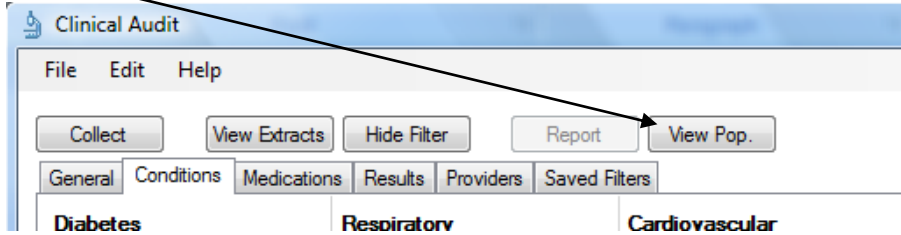
### 1. Identifying pregnant women

- a. On the Conditions filter, under Other select Pregnancy

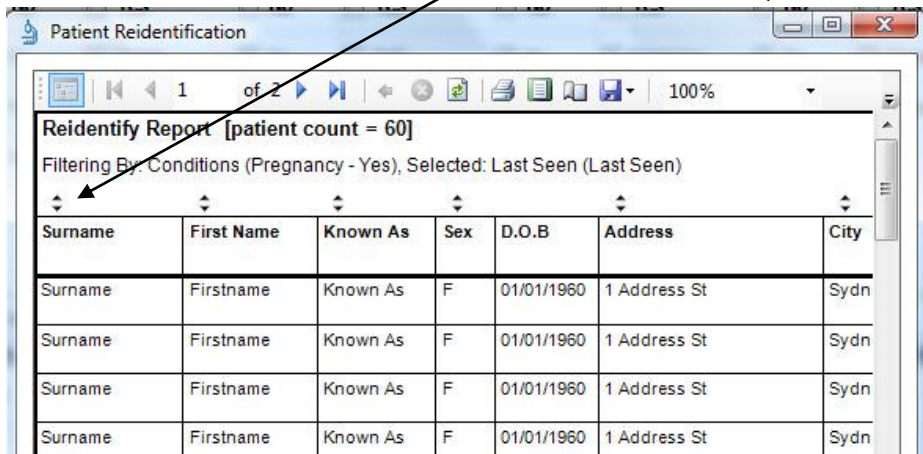


- b. Click Recalculate

- c. Click View Pop. to identify patients



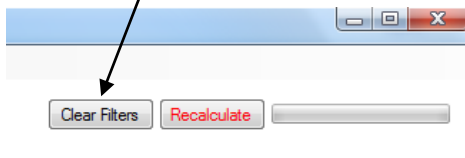
- d. Reidentify Report (list of patients by name) opens as a new screen. These columns can be sorted by clicking any one of the header arrows (click once to sort A-Z/lowest to highest and twice to reverse).



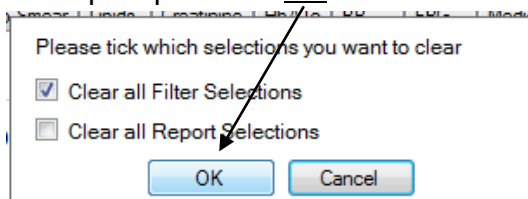
2. All reidentify reports can be printed and/or saved (e.g. exported to excel). Please refer to instructions in steps 8 and step 9 at the end of this document.

### 3. Before carrying out additional searches, first clear filters:

- a. Click Clear Filters



- b. When prompted click OK in the confirmation box



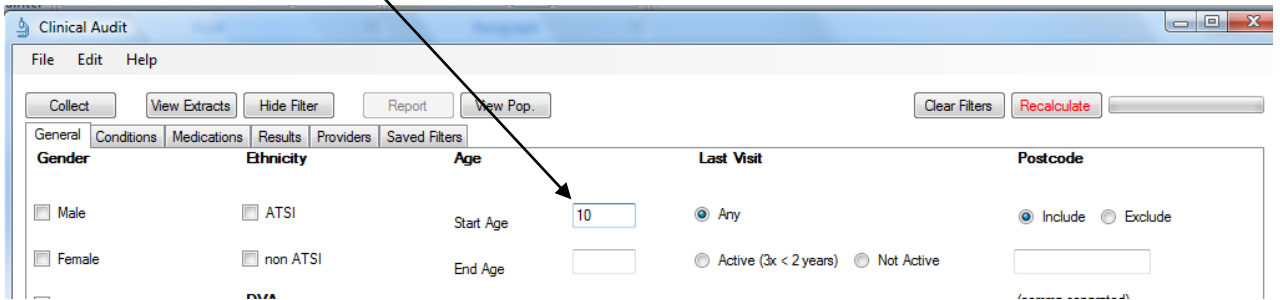
- c. Click Recalculate then continue with next search.

4. **Identifying children aged 10 years and above and adults with underlying chronic medical conditions**

CAT has functionality to identify chronic respiratory conditions, diabetes mellitus, cardiac disease and chronic renal disease in one search.

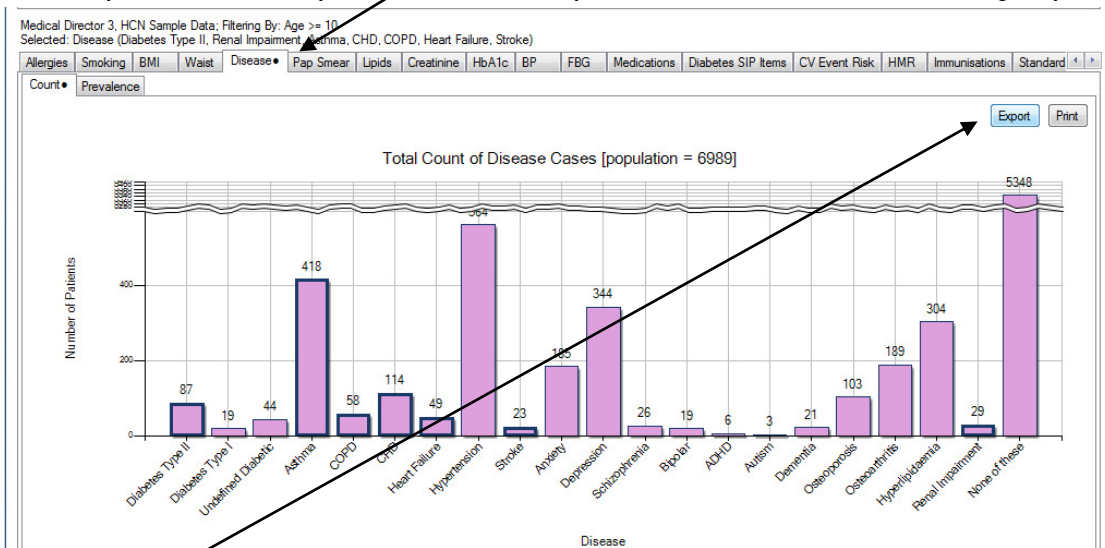
Other priority groups (i.e. immuno-suppression, cancer, chronic metabolic diseases, haemoglobinopathies and chronic neurological diseases) will need to be identified from practice knowledge or clinical software.

- a. On the General filter: enter 10 in Start Age, leave empty End Age



- b. Click Recalculate

- c. To identify patients with chronic respiratory conditions, diabetes mellitus, cardiac disease and chronic renal disease patients: Click on the Disease tab. Click on the following bars on the graph (bold black outline indicates the bar has been selected): Diabetes Type II, Asthma, COPD, CHD, Heart Failure, Stroke, Renal Impairment. N.B. Myocardial infarction patients are included in the CHD group.



- d. Click Export to view patients. The far right column (Disease) of the Reidentify Report identifies the disease status, including comorbidity, of each patient. Sort columns using the header arrows.

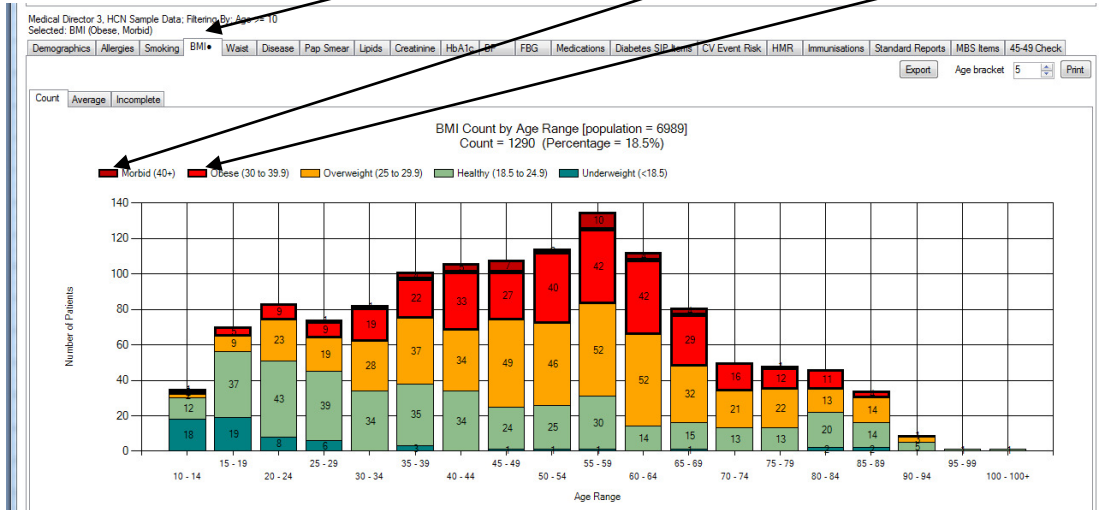
City	GP Number	Postcode	GP Number	GP Number	Disease
Sydney	2754	5555 1234		055123456	Asthma
Sydney	2089	5555 1234		055123456	Asthma, CHD
Sydney	2096	5555 1234	5555 9999	055123456	Asthma, CHD
Sydney	2763	5555 1234	5555 9999	055123456	Asthma, CHD
Sydney	2757	5555 1234	5555 9999	055123456	Asthma, CHD
Sydney	2761	5555 1234			Asthma, CHD, Heart Failure

- e. **Please note: The renal impairment category does contain some acute conditions.**

As the H1N1 priority group is chronic renal disease, please refer to individual patient records in clinical software to ascertain suitability for the H1N1 vaccine.

## 5. Identifying individuals with moderate to severe obesity

- Repeat *Clear Filters* as explained in Step 3
- Repeat step 4a and 4b: *General filter*: enter 10 in *Start Age*, leave empty *End Age*. Click *Recalculate*
- To identify patients with a BMI > 35: Click on the *BMI* tab. Click *Morbid (40+)* and *Obese (30 to 39.9)* on the graph legend to automatically select each of these categories in the bar graph (note bold black outline indicates selection).



- Click *Export* to view patients.
- The far right columns (*BMI* and *BMI Date*) of the Reidentify Report identify each patients recorded BMI and date of record. Click on the *BMI* header arrow to sort the list.

Patient Reidentification

Reidentify Report [patient count = 363]  
Filtering By: Age >= 10, Selected: BMI (Obese, Morbid)

Surname	First Name	Known As	Sex	D.O.B	Address	City	Postcode	Phone (H)	Phone (W)	Phone (M)	BMI	BMI Date
Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2754	5555 1234	5555 9999	055123456	185.31	26/04/2007
Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2754	5555 1234		055123456	212.5	9/01/2008
Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2754	5555 1234	5555 9999	055123456	30	23/09/2004
Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2099	5555 1234		055123456	30	12/10/2007

- Due to limitations with the CAT fields the Reidentify Report includes all patients with a BMI > 30. As the priority group definition is BMI > 35 the report can be refined to exclude certain patients. This can be done either in excel (delete the rows of patients with a BMI=35) or in CAT by clicking the *Refine Selection* button (bottom left). Unfortunately at this stage the sort feature is not retained when you click refine selection. On the new screen that opens work through the list and uncheck the box next to each patient with a BMI=35, then click *OK*

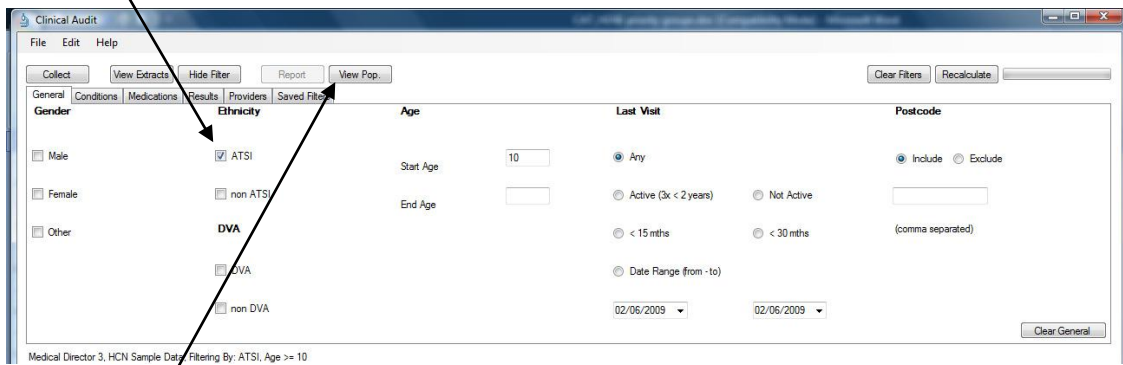
Patient Selection

Surname	First Name	Known As	Sex	D.O.B	Address	City	Postcode	Phone (H)	Phone (W)	Phone (M)	BMI	BMI Date	
<input type="checkbox"/>	Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2094	5555 1234	5555 9999	055123456	33.15	21/02/2007
<input type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2099	5555 1234		31.43	1/05/2009	
<input checked="" type="checkbox"/>	Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2099	5555 1234		36.78	8/12/2008	
<input checked="" type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2752	5555 1234		35.41	14/12/2007	
<input type="checkbox"/>	Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2136	5555 1234	055123456	34.6	29/08/2006	
<input type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2763	5555 1234		32.53	18/11/2008	
<input type="checkbox"/>	Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2099	5555 1234		30.86	28/10/2007	
<input type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2099	5555 1234	055123456	33.39	19/01/2006	
<input checked="" type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2763	5555 1234		33.53	15/04/2008	
<input checked="" type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2099	5555 1234		35.14	23/11/2004	
<input type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2099	5555 1234		33.25	14/12/2004	
<input type="checkbox"/>	Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2760	5555 1234	055123456	30.93	27/01/2009	
<input checked="" type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2099	5555 1234	055123456	37.9	22/03/2007	
<input checked="" type="checkbox"/>	Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2099	5555 1234		37.09	25/03/2006	
<input type="checkbox"/>	Surname	Firstname	Known As	F	01/01/1960	1 Address St	Sydney	2099	5555 1234		34.65	16/08/2006	
<input type="checkbox"/>	Surname	Firstname	Known As	M	01/01/1960	1 Address St	Sydney	2759	5555 1234	055123456	30.52	20/04/2009	

The Reidentify Report should now only include those with a BMI > 35.

6. **Identifying Indigenous people** (i.e. coded in your clinical software as ATSI)

- a. Repeat *Clear Filters* as explained in Step 3
- b. *General filter*: enter 10 in *Start Age*, leave empty *End Age*
- c. Select *ATSI* under *Ethnicity*
- d. Click *Recalculate*



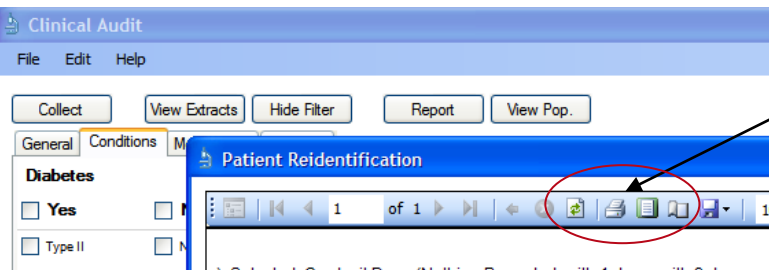
- e. Click *View Pop.* to identify patients.

7. **Identifying Parents and Guardians of children aged 0 to 6 months**


First search for children in your practice **and then associate the parents or guardians**. N.B. CAT (like some clinical software) can only search by whole years so this search looks for all those patients under one year old. Cross reference this list with your clinical records to identify the parents or guardians of those aged 0 to 6 months (i.e. the H1N1 priority group).

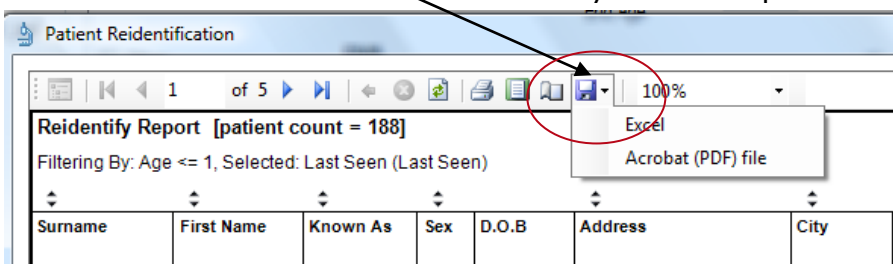
- a. Repeat *Clear Filters* as explained in Step 3
- b. *General filter*: enter 1 in *End Age*
- c. Click *Recalculate*
- d. Click *View Pop.* to identify patients
- e. Before printing/saving the Reidentify Report it can be refined by clicking the *Refine Selection* button and removing patients over 6 months using the date of birth column to identify them. Uncheck the box next to these patients and then click *OK*

8. All the patient reports you generate (Reidentify Reports) can be printed from here:



9. To save a report in order to compare data at a later stage, export the report to an excel file

Click the export button  and then *Excel*  
Save the excel file in a nominated folder with your other exports.



**If your practice needs support with data extraction, please contact Gary Walker (GPNW) on 6425 0811 or gwalker@gpnw.com.au**