

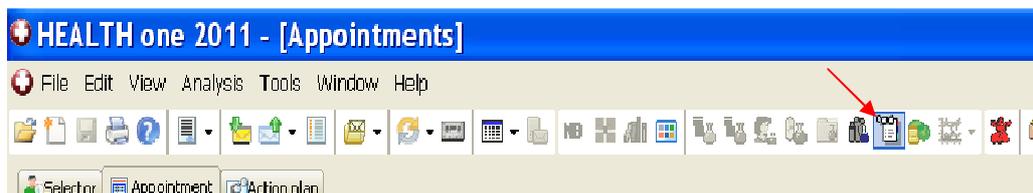
Guidance Note 5c

Identifying Target Population for Cervical Screening using Health One

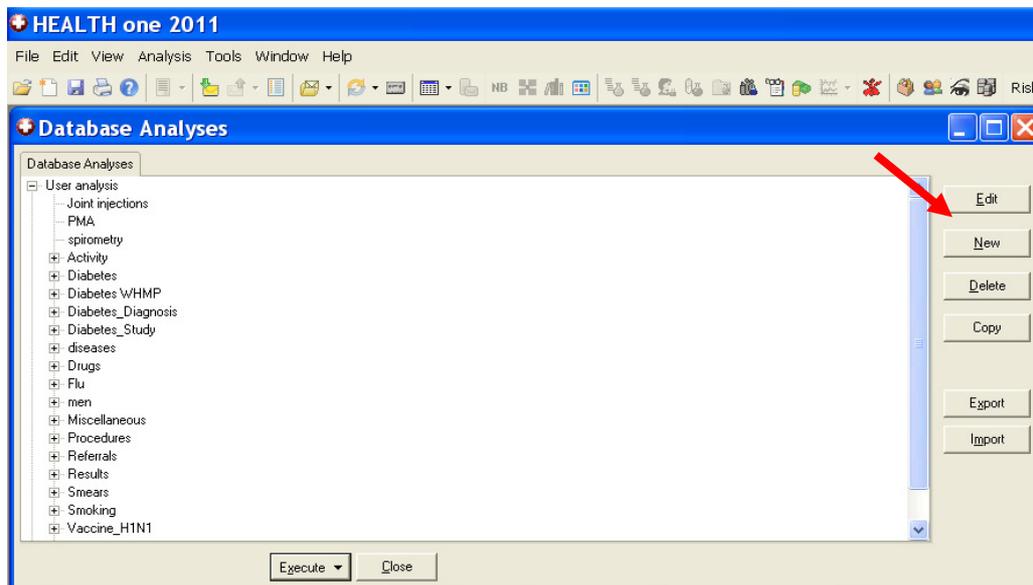
HealthOne does not routinely code items, however it has powerful search capabilities which are very effective once data is recorded in a uniform way. HealthOne has recommended for many years that cervical smear test results are recorded in the HealthOne item “cervical smear” and that no other data should be recorded in this item. If that has been done correctly, then any data associated with the item “cervical smear” will only appear in the chart of a woman who has had a smear test.

Our first task therefore is to identify all women who have never had a cervical smear and we do this by finding those women who have a record of a cervical smear result so that we can exclude them. The process is explained below.

The database analysis button is highlighted below



Clicking on this button (as shown above) opens the following screen



Now we want to create a new search which looks for women who have ever had a smear, and we open a new analysis by clicking on the “New” button as above. For purposes of all the searches to be done a new analysis will be created, and the following screenshots show how the analyses work.

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1. Find all women who have ever had a smear.

The purpose of this search is that these women need to be identified first so that they can be excluded from the searches for the target groups. HealthOne will be able to identify women who have had a smear. As mentioned above, this is dependent on the correct use of the term “cervical smear” to store smear results and nothing else.

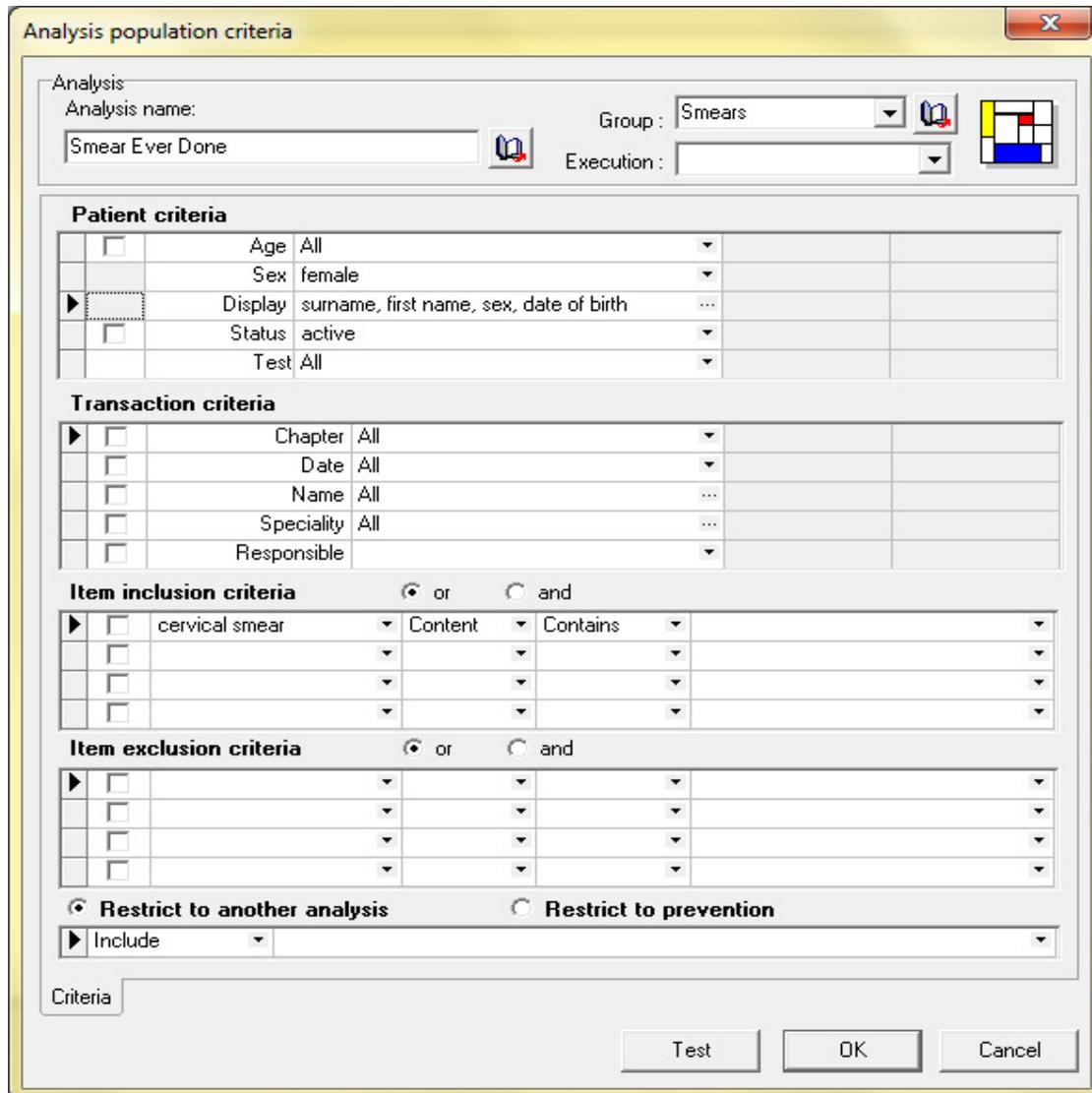
1. Having clicked on the new button, we fill in the search form as below.

2. We create a group called “Smears”

3. We call this analysis “Smear Ever done”

4. The most important box are the **Item Inclusion Criteria**

- use the drop down arrow and start typing to find the HealthOne item “cervical smear”,
- leave the box after “Content Contains” blank as that will then identify any content of the term “cervical smear”



Analysis population criteria

Analysis name: Smear Ever Done Group: Smears Execution: []

Patient criteria

<input type="checkbox"/>	Age	All		
<input type="checkbox"/>	Sex	female		
<input checked="" type="checkbox"/>	Display	surname, first name, sex, date of birth	...	
<input type="checkbox"/>	Status	active		
<input type="checkbox"/>	Test	All		

Transaction criteria

<input checked="" type="checkbox"/>	Chapter	All		
<input type="checkbox"/>	Date	All		
<input type="checkbox"/>	Name	All	...	
<input type="checkbox"/>	Speciality	All	...	
<input type="checkbox"/>	Responsible			

Item inclusion criteria or and

<input checked="" type="checkbox"/>	cervical smear	Content	Contains	
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

Item exclusion criteria or and

<input checked="" type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

Restrict to another analysis Restrict to prevention

Include []

Criteria

Test OK Cancel

Click on “ok” to save.

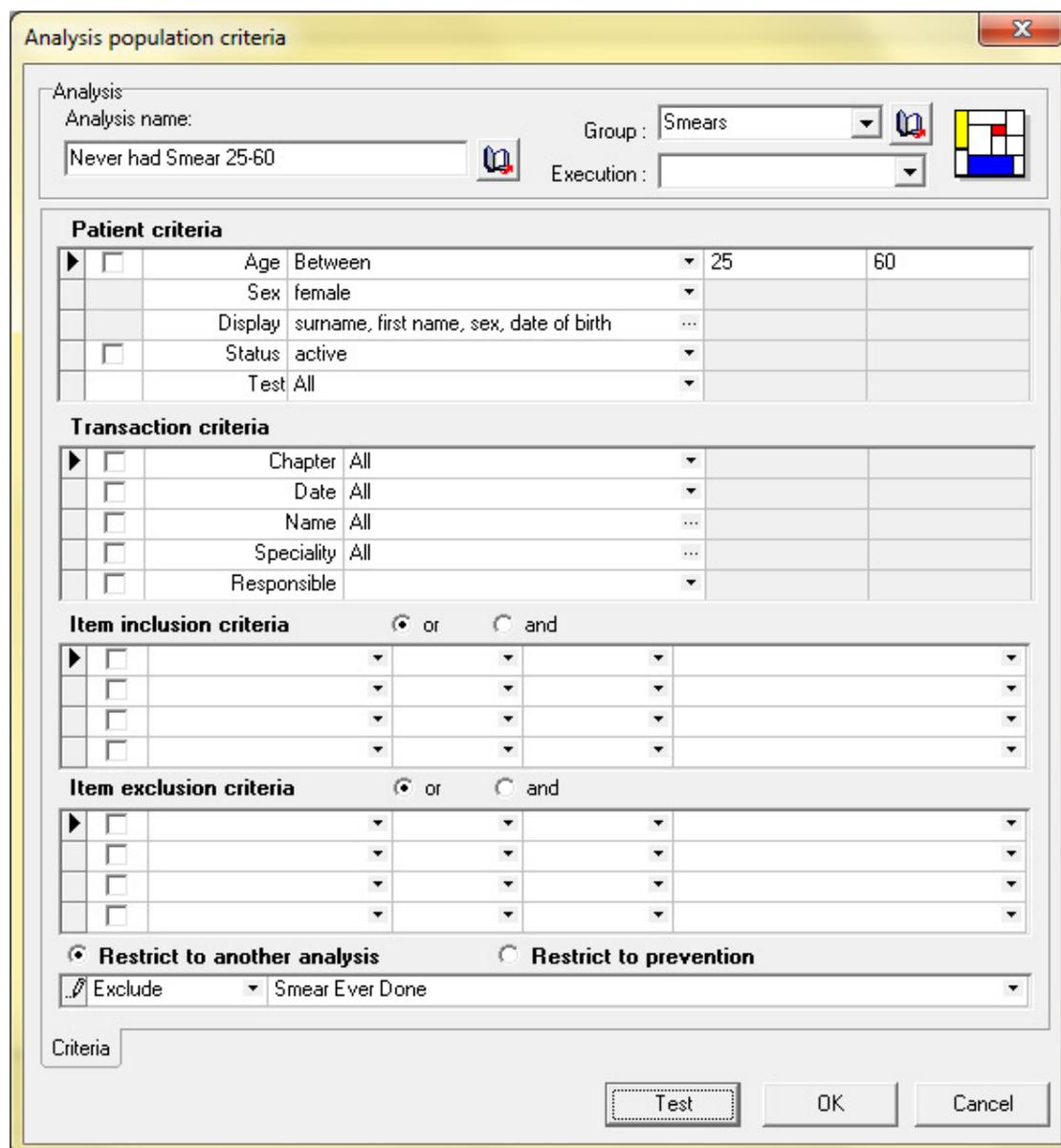
Running this search will now identify all women who have ever had a smear.

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2. Women between ages 25 and 60 who have never had a smear

The next search will identify those aged between 25 and 60 who have never had a smear test.

1. In the **Patient Criteria** box, in the first line we choose ages between 25 and 60, and in the second line we restrict the search to the female sex.
2. In the bottom box we restrict any patient found in the analysis “Smear Ever Done”.



Analysis population criteria

Analysis
 Analysis name: Group:
 Execution:

Patient criteria

<input type="checkbox"/>	Age	Between	25	60
	Sex	female		
	Display	surname, first name, sex, date of birth		
<input type="checkbox"/>	Status	active		
	Test	All		

Transaction criteria

<input type="checkbox"/>	Chapter	All		
<input type="checkbox"/>	Date	All		
<input type="checkbox"/>	Name	All		
<input type="checkbox"/>	Speciality	All		
<input type="checkbox"/>	Responsible			

Item inclusion criteria or and

<input type="checkbox"/>				

Item exclusion criteria or and

<input type="checkbox"/>				

Restrict to another analysis **Restrict to prevention**

Criteria

Press “OK” to save.

This will now identify women between 25 and 60 who have never had a smear.

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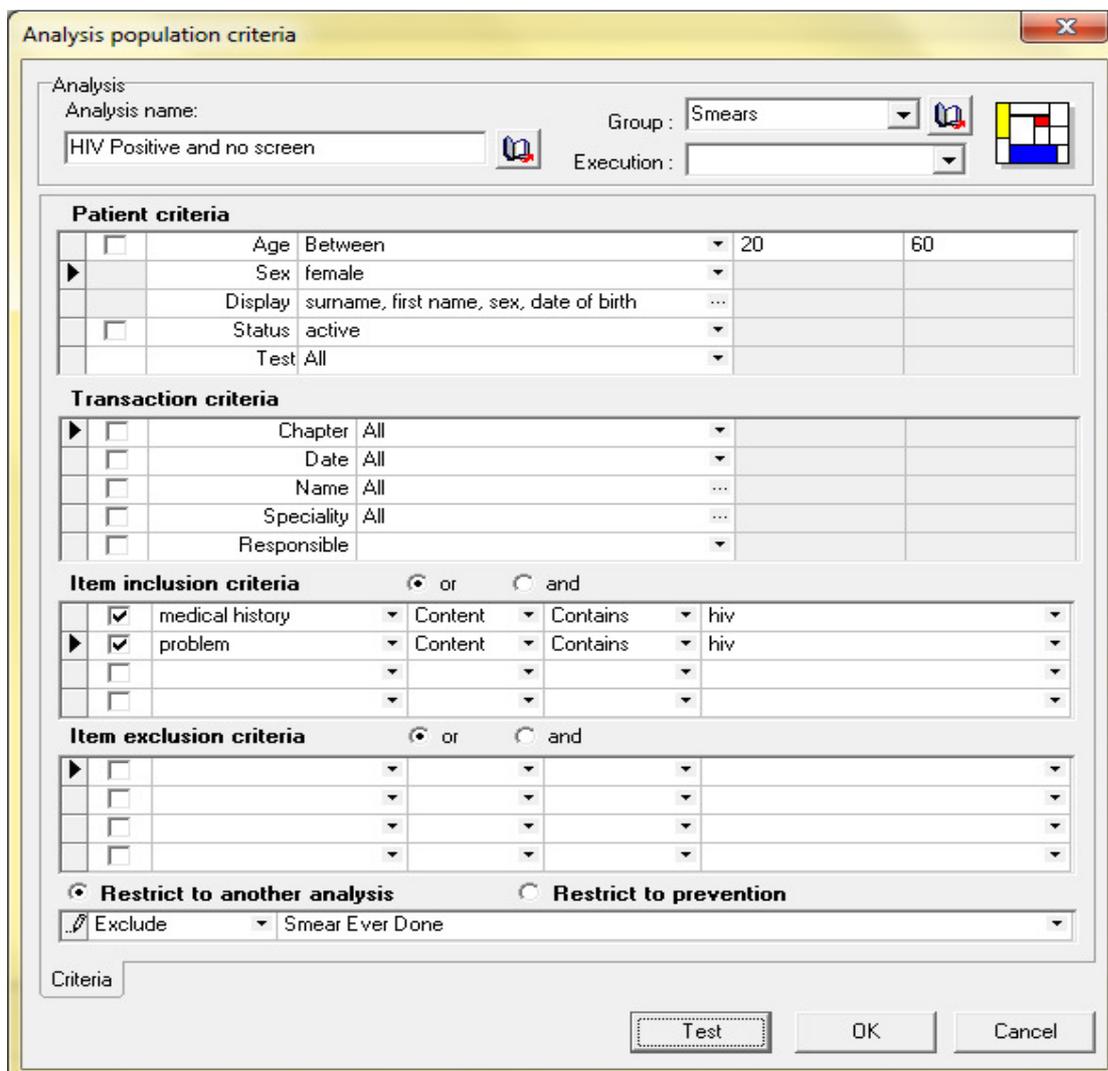
3. All women who are HIV positive between 20 and 60 and unscreened

We now repeat the principles previously employed to identify unscreened categories of patients.

1. Enter appropriate Analysis Name and save in the group "Smears"
2. In **Patient Criteria** select age between 20 and 60, and Sex female
3. In **Item Inclusion Criteria** we will search the items "medical history" and "problem" (selected from the drop down arrows) and search for "hiv" in the content.

We tick the boxes before these items so that when we search we can check that we are identifying the correct patients. This is because this search will not just identify the term HIV but may also find anything that has the sequence of letters "hiv...". With the boxes ticked, we find that when the search runs, we can identify the Item that triggered a positive result to check that it is indeed HIV infection, and not for example "HIV negative" or "hives"!

4. In the bottom box we restrict any patient found in the analysis "Smear Ever Done".



Analysis population criteria

Analysis name: HIV Positive and no screen Group: Smears Execution: []

Patient criteria

<input type="checkbox"/>	Age	Between	20	60
<input checked="" type="checkbox"/>	Sex	female		
	Display	surname, first name, sex, date of birth		
<input type="checkbox"/>	Status	active		
	Test	All		

Transaction criteria

<input checked="" type="checkbox"/>	Chapter	All		
<input type="checkbox"/>	Date	All		
<input type="checkbox"/>	Name	All		
<input type="checkbox"/>	Speciality	All		
<input type="checkbox"/>	Responsible			

Item inclusion criteria or and

<input checked="" type="checkbox"/>	medical history	Content	Contains	hiv
<input checked="" type="checkbox"/>	problem	Content	Contains	hiv
<input type="checkbox"/>				
<input type="checkbox"/>				

Item exclusion criteria or and

<input checked="" type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

Restrict to another analysis Restrict to prevention

Exclude Smear Ever Done

Criteria

Test OK Cancel

Press "OK" to save.

This will now identify women between 20 and 60 who are HIV positive and have never had a smear

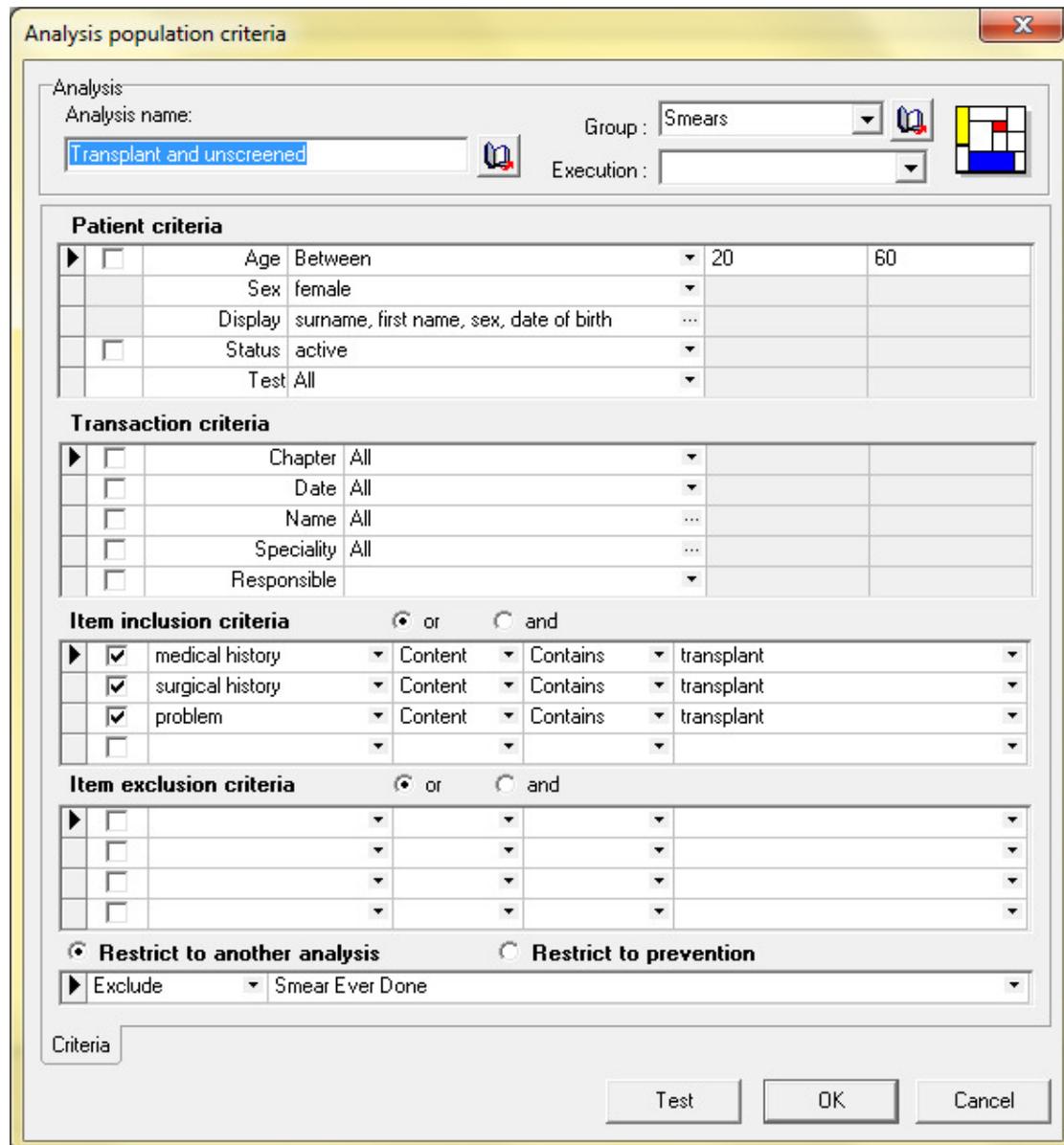
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4. All women who have had an organ transplant aged between 20 and 60 and unscreened

We now repeat the principles previously employed to identify unscreened categories of patients.

1. Enter appropriate Analysis Name and save in the group "Smears"
2. In **Patient Criteria** select age between 20 and 60, and Sex female
3. In **Item Inclusion Criteria** we will search the items "medical history", "surgical history" and "problem" (selected from the drop down arrows) and search for "transplant" in the content.
4. In the bottom box we restrict any patient found in the analysis "Smear Ever Done".



Analysis population criteria

Analysis name: Group: Execution:

Patient criteria

<input type="checkbox"/>	Age	Between	20	60
	Sex	female		
	Display	surname, first name, sex, date of birth		
<input type="checkbox"/>	Status	active		
	Test	All		

Transaction criteria

<input type="checkbox"/>	Chapter	All		
<input type="checkbox"/>	Date	All		
<input type="checkbox"/>	Name	All		
<input type="checkbox"/>	Speciality	All		
<input type="checkbox"/>	Responsible			

Item inclusion criteria or and

<input checked="" type="checkbox"/>	medical history	Content	Contains	transplant
<input checked="" type="checkbox"/>	surgical history	Content	Contains	transplant
<input checked="" type="checkbox"/>	problem	Content	Contains	transplant
<input type="checkbox"/>				

Item exclusion criteria or and

<input type="checkbox"/>				

Restrict to another analysis **Restrict to prevention**

Exclude

Criteria

Test OK Cancel

Press "OK" to save.

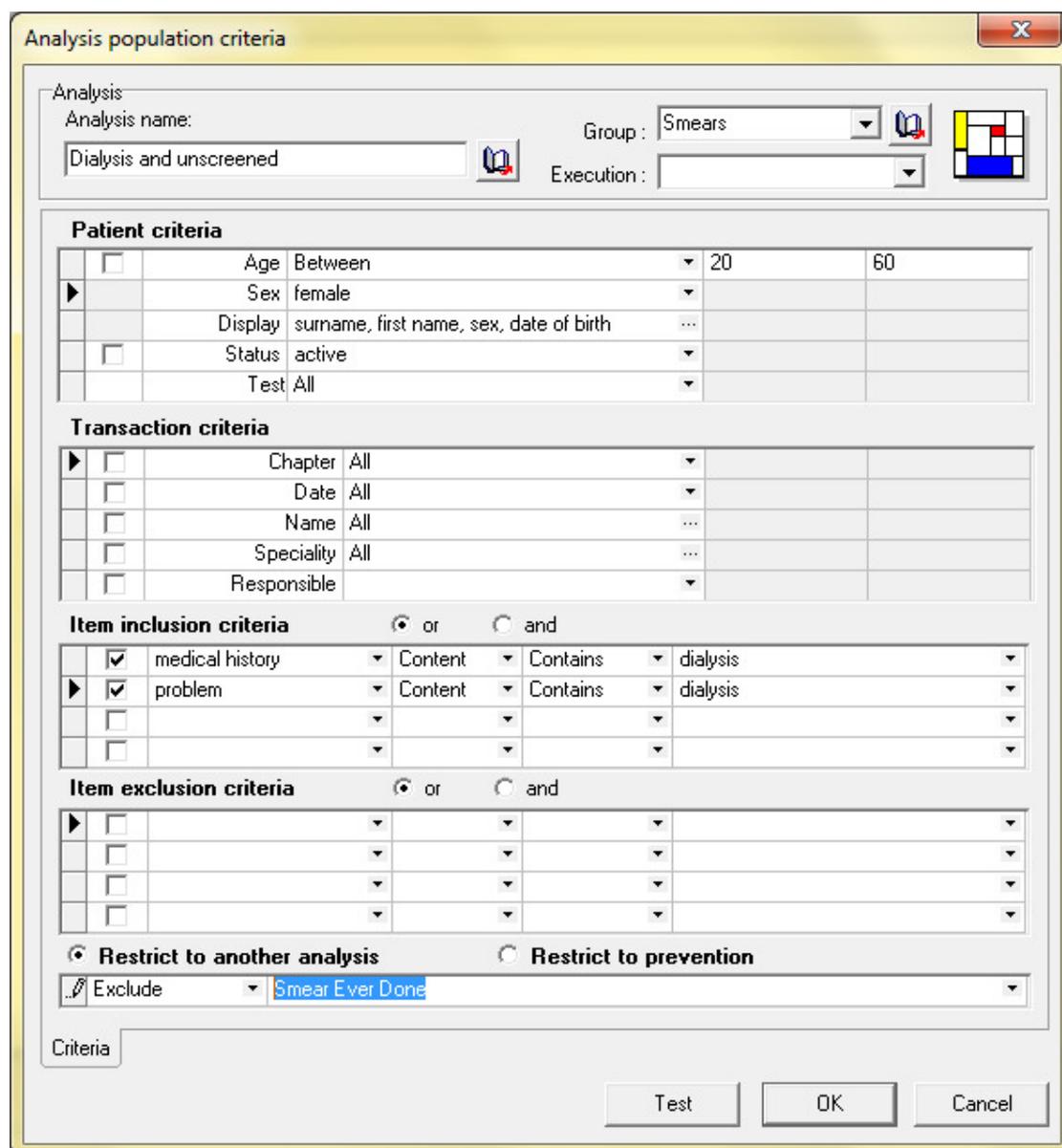
This will now identify women between 20 and 60 who have had an organ transplant and have never had a smear.

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5. All women who are on renal dialysis aged between 20 and 60 and unscreened

We now repeat the principles previously employed to identify unscreened categories of patients.

1. Enter appropriate Analysis Name and save in the group “Smears”
2. In **Patient Criteria** select age between 20 and 60, and Sex female
3. In **Item Inclusion Criteria** we will search the items “medical history” and “problem” (selected from the drop down arrows) and search for “dialysis” in the content.
4. In the bottom box we restrict any patient found in the analysis “Smear Ever Done”.



Analysis population criteria

Analysis name: Group: Execution:

Patient criteria

<input type="checkbox"/>	Age	Between	20	60
<input checked="" type="checkbox"/>	Sex	female		
	Display	surname, first name, sex, date of birth		
<input type="checkbox"/>	Status	active		
	Test	All		

Transaction criteria

<input checked="" type="checkbox"/>	Chapter	All		
<input type="checkbox"/>	Date	All		
<input type="checkbox"/>	Name	All		
<input type="checkbox"/>	Speciality	All		
<input type="checkbox"/>	Responsible			

Item inclusion criteria or and

<input checked="" type="checkbox"/>	medical history	Content	Contains	dialysis
<input checked="" type="checkbox"/>	problem	Content	Contains	dialysis
<input type="checkbox"/>				
<input type="checkbox"/>				

Item exclusion criteria or and

<input type="checkbox"/>				

Restrict to another analysis **Restrict to prevention**

Criteria

Test OK Cancel

Press “OK” to save.

This will now identify women between 20 and 60 who have are on renal dialysis and have never had a smear.

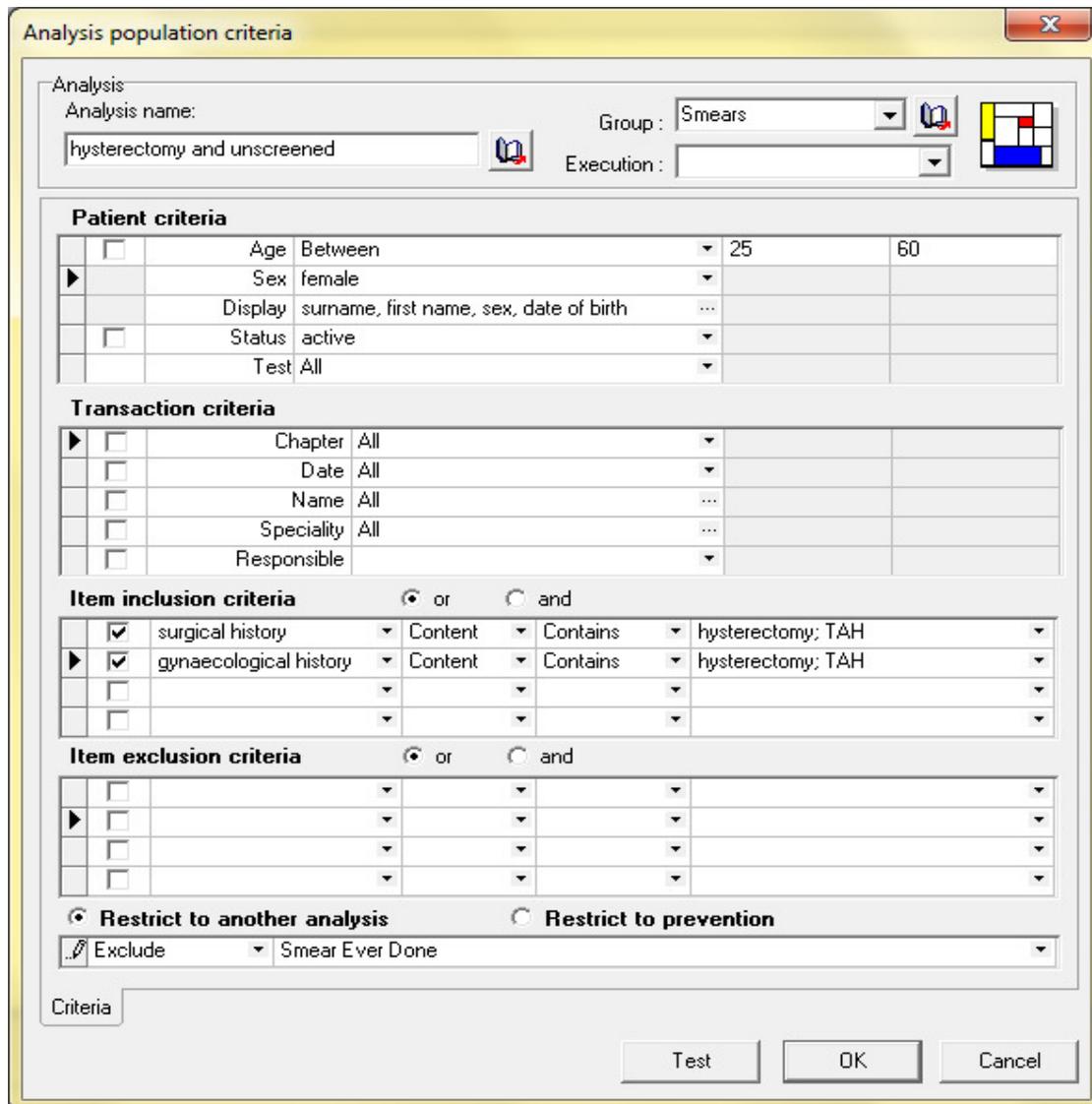
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6. All women who have had a hysterectomy (total or subtotal) aged between 25 and 60 and unscreened

We now repeat the principles previously employed to identify unscreened categories of patients.

1. Enter appropriate Analysis Name and save in the group “Smears”
2. In **Patient Criteria** select age between 25 and 60, and Sex female
3. In **Item Inclusion Criteria** we will search the items “surgical history” and “gynaecological history” (selected from the drop down arrows) and search for “hysterectomy” or “TAH” in the content.
4. In the bottom box we restrict any patient found in the analysis “Smear Ever Done”.



Analysis population criteria

Analysis
Analysis name: hysterectomy and unscreened
Group: Smears
Execution:

Patient criteria

<input type="checkbox"/>	Age	Between	25	60
<input checked="" type="checkbox"/>	Sex	female		
<input type="checkbox"/>	Display	surname, first name, sex, date of birth		
<input type="checkbox"/>	Status	active		
<input type="checkbox"/>	Test	All		

Transaction criteria

<input checked="" type="checkbox"/>	Chapter	All		
<input type="checkbox"/>	Date	All		
<input type="checkbox"/>	Name	All		
<input type="checkbox"/>	Speciality	All		
<input type="checkbox"/>	Responsible			

Item inclusion criteria or and

<input checked="" type="checkbox"/>	surgical history	Content	Contains	hysterectomy; TAH
<input checked="" type="checkbox"/>	gynaecological history	Content	Contains	hysterectomy; TAH
<input type="checkbox"/>				
<input type="checkbox"/>				

Item exclusion criteria or and

<input type="checkbox"/>				
<input checked="" type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

Restrict to another analysis Restrict to prevention

Exclude Smear Ever Done

Criteria

Test OK Cancel

Press “OK” to save.

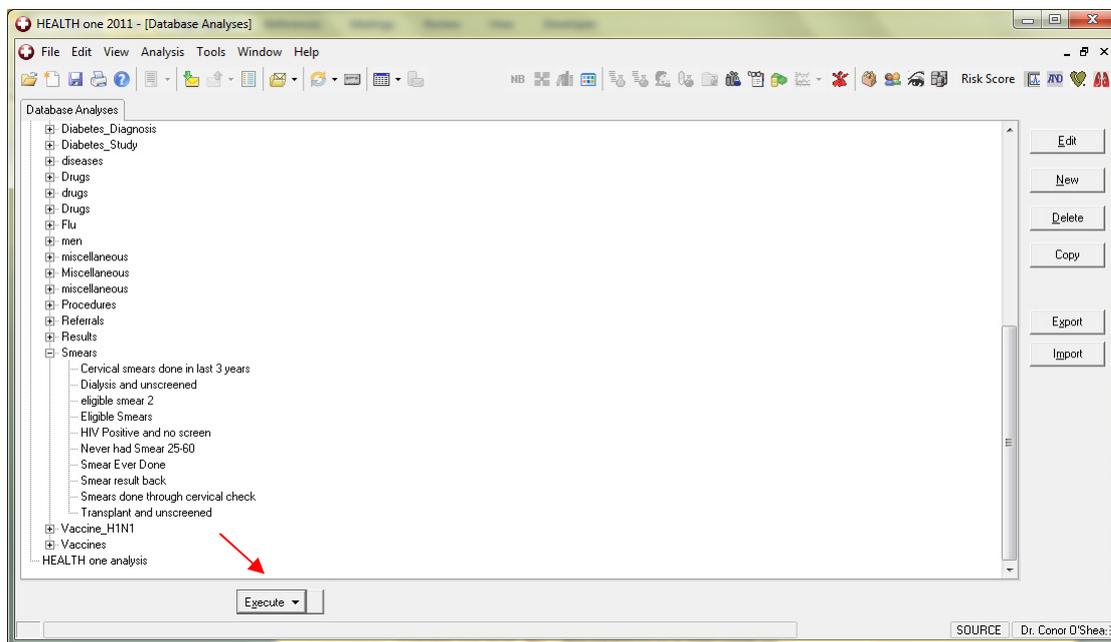
This will now identify women between 25 and 60 who have had a hysterectomy and have never had a smear.

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We now have the capability of running any or all of the searches required. We can also see that these are customisable to your own practice – if you have a particular way of recording patient information for any of these groups, then you can edit your analysis accordingly; for example if your HIV positive might be recorded as suffering from “AIDS”, you can add AIDS as a searchable term by adding it in the Content Contains box after “hiv”, and separated by a semi-colon (;)

If we now open the Database Analysis box again, we can see all our new searches by clicking on the + sign beside Smears in the left hand column. To run any search and generate a list of patients, highlight any of these analyses and either double-click or select the Execute Selected Analysis box at the bottom of the screen.



In the ideal Practice all diagnosis are coded and required searches locate patients on that basis.

Below is a screen shot of selecting the Search from the main Menu to identify women who have never had a cervical smear.

1. Click on 'Actions' from the main menu
2. You will be presented with a list of options click on 'Search'
3. Click on 'List' from the Search options
4. Click on 'No Cervical Cytology'

The user will then be presented with a standard 'Save As' dialog where they can Store the results as a (Comma Separated Value) CSV file,

This file can be edited in Excel or Notepad. This will list the Patients ID, Name, Address and PPSN for future reference
