

D2D EMR Data Quality (Smoking Status Complete v1)  
Nightingale using Data Miner

Contents

Indicator Definition: ..... 1  
Denominator (number of active patients ≥ 12 years old) ..... 1  
Numerator (number of patients ≥12 years old with a smoking status documented in their CPP) ..... 5

Indicator Definition:

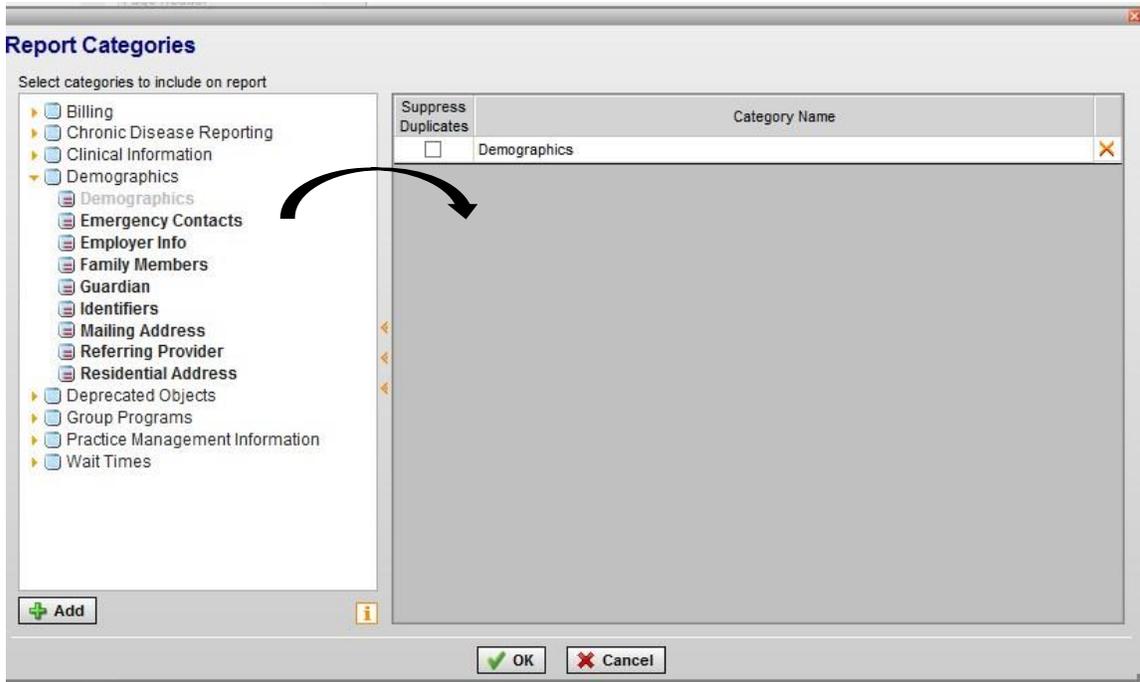
% all patients ≥ 12 yrs with smoking status documented in appropriate place in their electronic medical record.

Denominator (number of active patients ≥ 12 years old)

Create new Standard Report, add report to appropriate folder or child folder (if applicable)

Categories:

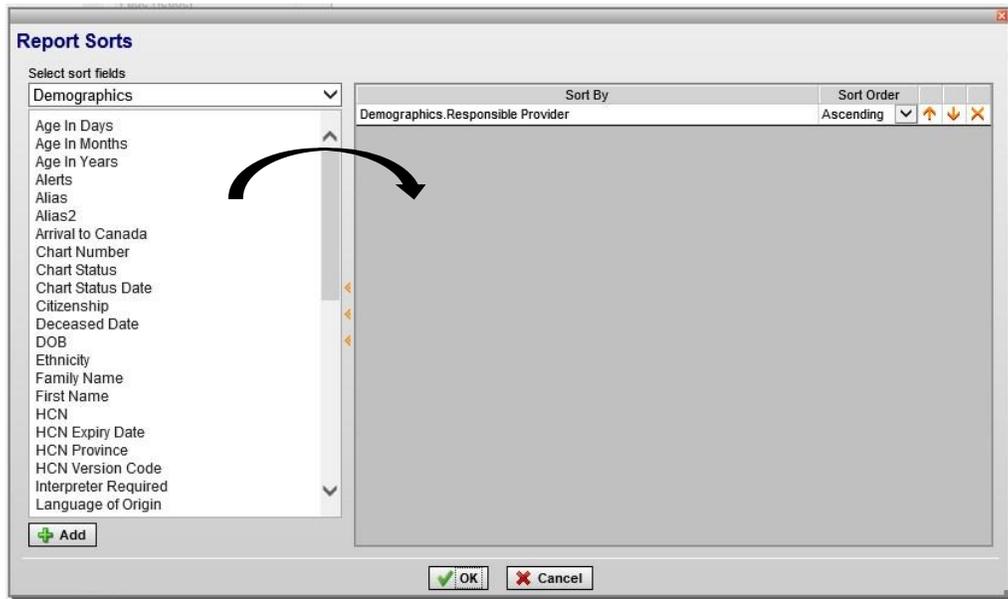
Select Demographics Category and then select Demographics subcategory (selected category/subcategory will be grayed out [as shown in screenshot]). You can either double click the sub category to add it, or you can drag and drop it over.



## D2D EMR Data Quality (Smoking Status Complete v1) Nightingale using Data Miner

### Sorts:

Select Responsible Physician (or the sorting parameter that is most applicable) from the Demographics Category.



### Filters:

#### 1<sup>st</sup> Search Parameter:

From the Demographics category select Chart Status → Equal To → “Active”  
Select “AND With Next Filter”

## D2D EMR Data Quality (Smoking Status Complete v1) Nightingale using Data Miner

Tick “Group With Next Filter”

The screenshot shows the 'Report Filters' dialog box. On the left, a list of filter fields is shown under the 'Demographics' category. On the right, the 'Filter By' section contains two filters: 'Demographics.Chart Status' and 'Demographics.Age In Years'. Below the filters, the 'Group With Next Filter' checkbox is checked. The summary section at the bottom shows the resulting filter expression: '(Demographics.Chart Status = 'Active' And Demographics.Age In Years >= '12')'. Arrows indicate the flow from the filter list to the filter configuration and then to the summary.

### 2<sup>nd</sup> Search Parameter:

From the Demographics category select Age in Years → Greater Than Or Equal To → “12”

The screenshot shows the 'Report Filters' dialog box. On the left, a list of filter fields is shown under the 'Demographics' category. On the right, the 'Filter By' section contains two filters: 'Demographics.Chart Status' and 'Demographics.Age In Years'. Below the filters, the 'Greater Than Or Equal To' operator is selected for 'Demographics.Age In Years' with the value '12'. The 'Group With Next Filter' checkbox is unchecked. The summary section at the bottom shows the resulting filter expression: '(Demographics.Chart Status = 'Active' And Demographics.Age In Years >= '12')'. An arrow indicates the flow from the filter list to the filter configuration.

## D2D EMR Data Quality (Smoking Status Complete v1) Nightingale using Data Miner

**\*\*Ensure Summary box at the bottom display required filter conditions\*\* Layout:**  
Drag and drop your desired output fields onto the report screen.  
To run the search, ensure you select XLS (Excel) from the dropdown menu.

The screenshot shows the Data Miner software interface. On the left, a list of fields is available for selection, including 'Age In Days', 'Age In Months', 'Age In Years', 'Alerts', 'Alias', 'Alias2', 'Arrival to Canada', 'Chart Number', 'Chart Status', 'Chart Status Date', 'Citizenship', 'Deceased Date', 'DOB', 'Ethnicity', 'Family Name', and 'First Name'. The main area displays a report titled 'D2D 3.0 - Smoking Status (Denominator)'. The report has a table with the following columns: Chart Status, Rostered, Responsible Provider, Family Name, First Name, DOB, Age In Years, Sex, and HCN. The table contains one row of data with the following values: Demographics.Chart Status, Demographics.Rostered, Demographics.Responsible Provider, Demographics.Family Name, Demographics.First Name, Demographics.DOB, Demographics.Age In Years, Demographics.Sex, and Demographics.HCN. A toolbar at the top right includes an XLS icon, which is highlighted by a black arrow. Another black arrow points to the field list on the left.

### Excel File:

- Remove duplicates
- Perform any data quality checks – e.g. patients who are active over the age of 100 years old, patients who are active but do not have a responsible provider on their charts, test or dummy charts etc.
- The number of unique patients who are active and are equal to or greater than 12 years old is your denominator

## D2D EMR Data Quality (Smoking Status Complete v1)

### Nightingale using Data Miner

Numerator (number of patients  $\geq 12$  years old with a smoking status documented in their CPP)

Smoking status is entered into the Social History in the CPP under the Category of "Tobacco".

\*\*This category is a default created by Nightingale, all Nightingale enterprises would have this field\*\*

The screenshot shows the Nightingale patient profile for a female patient. The 'Social History' section is expanded, showing a table with the following data:

CATEGORY	TYPE	DESCRIPTION (COMMENT)	Years
<input type="checkbox"/> Coordinated	Initiated	(Coordinator - Dianne McIntyre. Last updated Feb 1, 2014)	
<input type="checkbox"/> Tobacco	Non-smoker		
<input type="checkbox"/> Geriatric Programs	Gerontology	(discharged Oct 2014)	

### Data Miner Report:

Create new Standard Report, add report to appropriate folder or child folder (if applicable)

### Categories:

Select Demographics → Demographics (double click or drag and drop over).

Select Clinical Information → Social History (double click or drag and drop over).

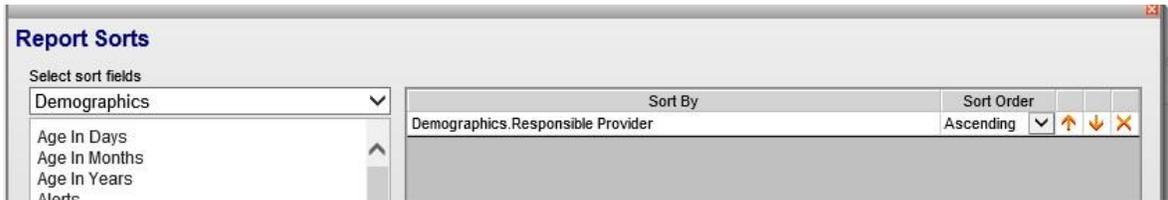
The screenshot shows the 'Report Categories' dialog box. The 'Clinical Information' category is expanded, and 'Social History' is selected. The 'Demographics' category is also expanded, and 'Demographics' is selected. A black box highlights the 'Social History' and 'Demographics' categories in the 'Suppressed Duplicates' table.

Suppressed Duplicates	Category Name
<input type="checkbox"/>	Demographics
<input type="checkbox"/>	Social History

## D2D EMR Data Quality (Smoking Status Complete v1) Nightingale using Data Miner

### Sorts:

Same as the Denominator process – Select Responsible Provider (or the sorting parameter that is most applicable) from the Demographics category.



### Filters:

#### 1<sup>st</sup> Search Parameter:

From Demographics Category select Chart Status → Equal To → “Active”

Select “AND With Next Filter”

Tick “Group With Next Filter” 2<sup>nd</sup>

#### Search Parameter:

From Demographics Category select Age in Years → Greater Than Or Equal To → “12”

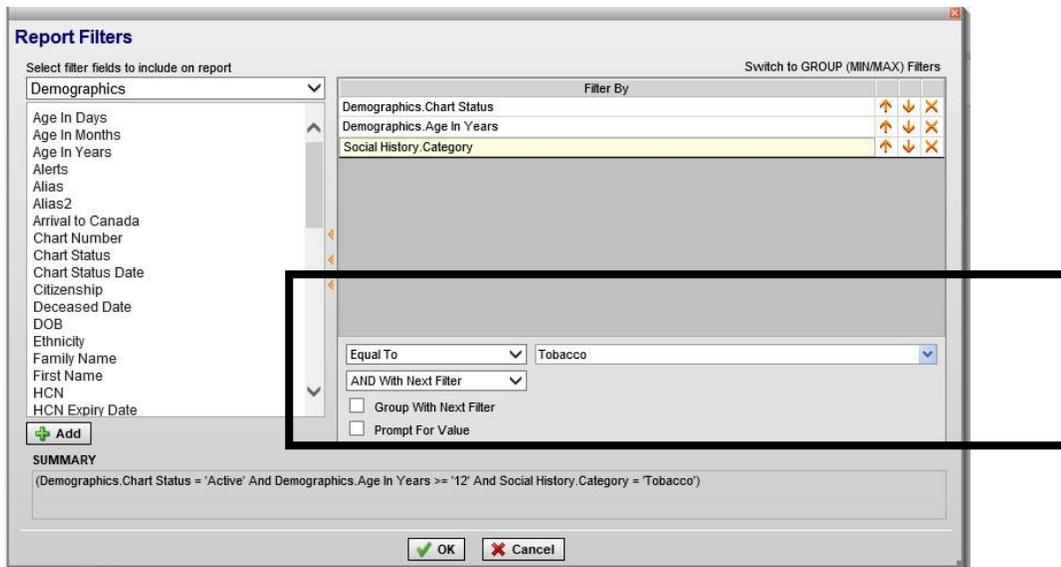
Select “AND With Next Filter”

Tick “Group With Next Filter”

#### 3<sup>rd</sup> Search Parameter:

Change drop down to Social History Category and select Social History Category → Equal To → “Tobacco”

\*\*Ticking the “Group With Next Filter” links the categories together [meaning patient has to meet all three criteria together to show up in your search. If you didn’t link the categories, it will pull patients meeting each criteria separately].



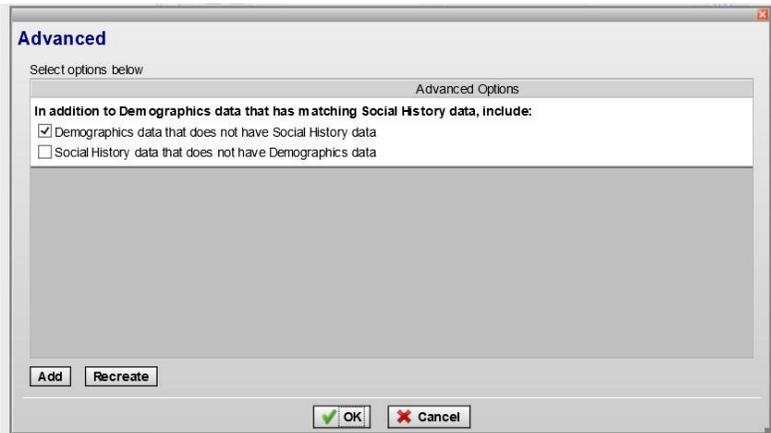
\*\*Ensure Summary box at the bottom display required filter conditions\*\*

## D2D EMR Data Quality (Smoking Status Complete v1) Nightingale using Data Miner

### Advanced Options:

Determines which order the filters will search.

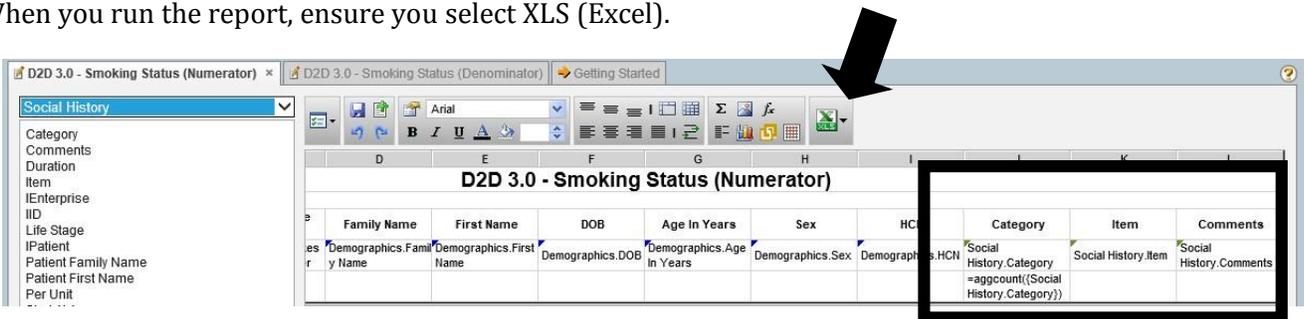
\*\*\*\*We would like some clarification from NOD on what data is included/excluded when we check/uncheck these boxes\*\*\*\*



### Layout:

Drag and drop your desired search fields onto the report screen. In addition to any demographic information, ensure you include 'Social History Category'. We also included 'Social History Item' and 'Social History Comments' to have a better understanding of the data being pulled. *We then deleted the Item and Comments section to remove duplicate data.*

When you run the report, ensure you select XLS (Excel).



### Excel File:

- Remove duplicates
- Perform any data quality checks – e.g. patients who are active over the age of 100 years old, patients who are active but do not have a responsible provider on their charts etc.
- The number of unique patients active who are equal to or greater than 12 years old with a smoking status entered is your numerator