ePACT2 User Guide

Using Patient Unit Measures (ASTRO/Standard/STAR PU) Columns

Contents

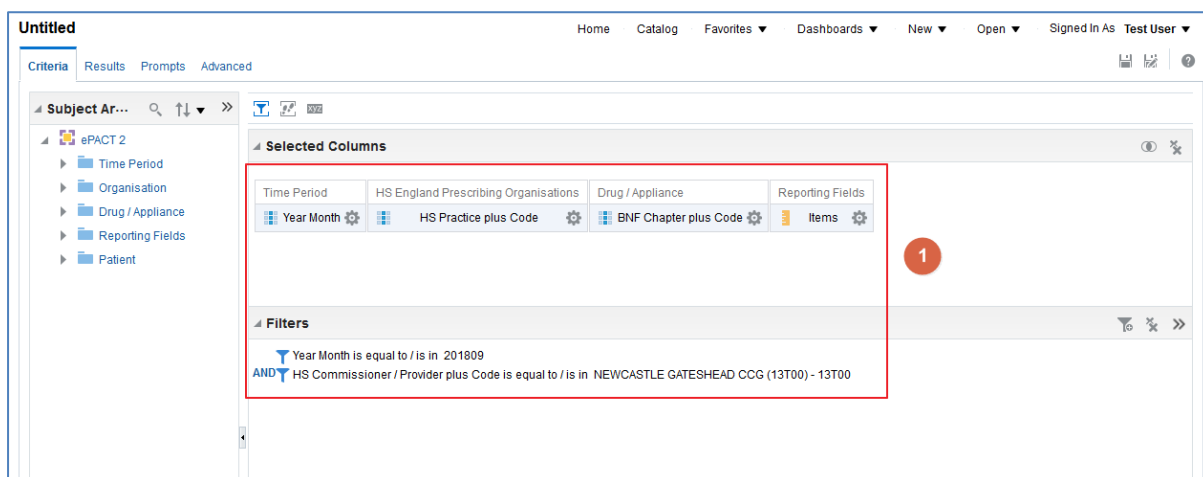# Including ASTRO PU/Standard PU columns in an Analysis

The Standard PU and ASTRO PU 2013 columns can be found in the following folder:

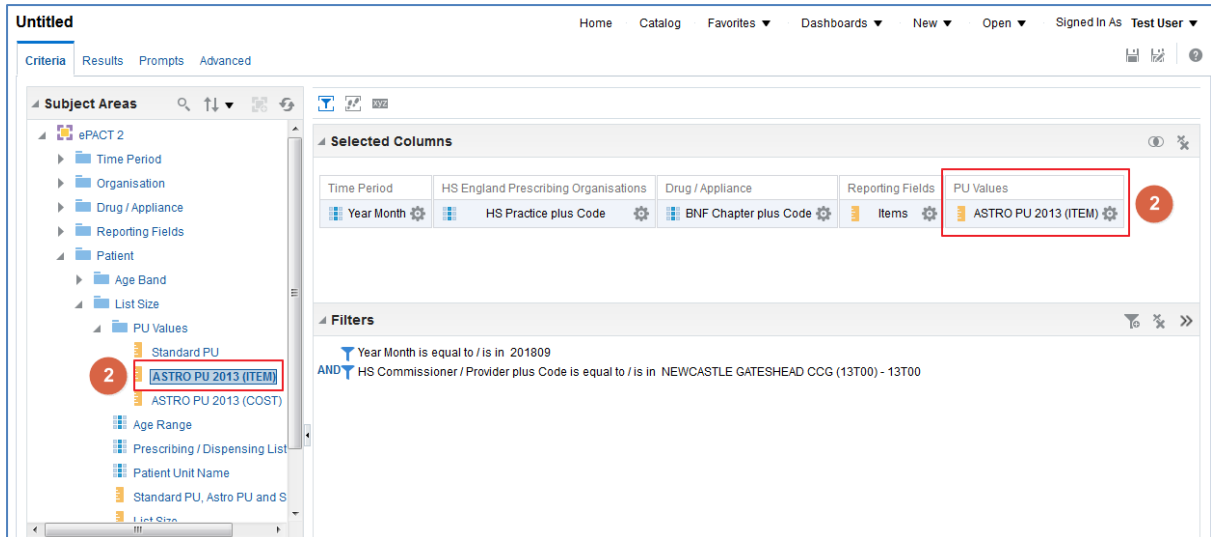To run analyses with these columns in use the following steps:

1. Include the columns and filters you wish to return data for.

> In this example I am running the data for September 2018, 'Newcastle Gateshead CCG'. The data will be returned at practice level showing Items for each BNF Chapter and the 'ASTRO PU 2013 (Item) figure for each practice.
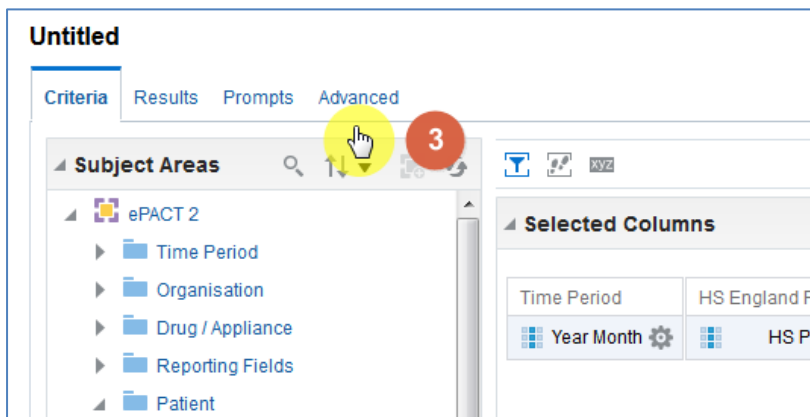

2. Expand the subject area to the location – Patient>List Size>PU Values, and select the PU Measures column required. In this example we'll use the ASTRO PU 2013 (Items)
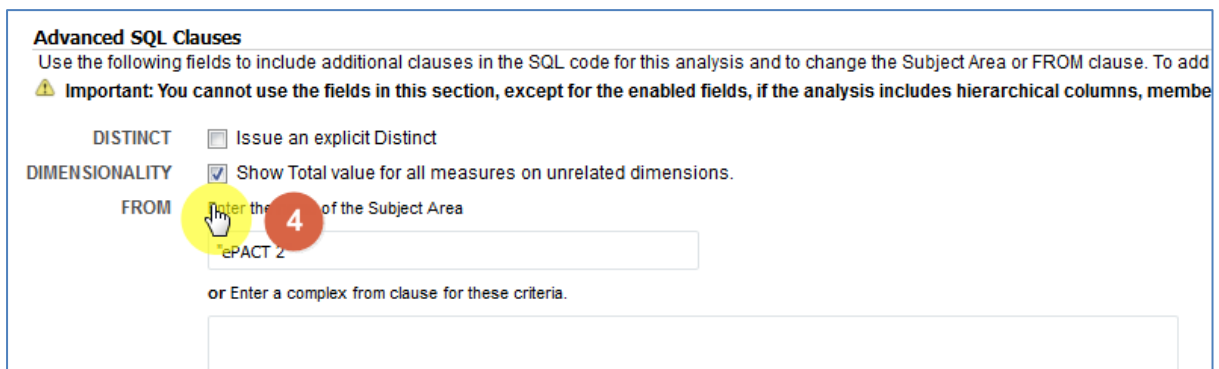
3.   Select the 'Advanced' tab from the top left hand corner of the analysis builder.
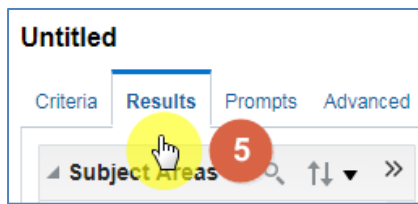

4.   Scroll down to the 'Advanced SQL Clauses' section from here select 'Show Total value for all measures on unrelated dimensions'

5. Select 'Results'

6. You results will then return to show 'ASTRO PU 2013 (ITEM)'

Year Month	HS Practice plus Code▲▼	BNF Chapter plus Code	Items	ASTRO PU 2013 (ITEM)
201809	WRECKENTON MEDICAL GROUP (A89116)	Gastro-Intestinal System (01)	3,469	143,573
201809	WRECKENTON MEDICAL GROUP (A89116)	Cardiovascular System (02)	9,386	143,573
201809	WRECKENTON MEDICAL GROUP (A89116)	Respiratory System (03)	1,881	143,573
201809	WRECKENTON MEDICAL GROUP (A89116)	Central Nervous System (04)	7,930	143,573
201809	WRECKENTON MEDICAL GROUP (A89116)	Infections (05)	727	143,573
201809	WRECKENTON MEDICAL GROUP (A89116)	Endocrine System (06)	2,602	143,573
201809	WRECKENTON MEDICAL GROUP (A89116)	Obstetrics,Gynae+Urinary Tract Disorders (07)	757	143,573
201809	WRECKENTON MEDICAL GROUP (A89116)	Malignant Disease & Immunosuppression (08)	92	143,573
201809	WRECKENTON MEDICAL GROUP (A89116)	Nutrition And Blood (09)	2,292	143,573

Using PU Measures in a calculation

Once included in an analysis the column can now be used as part of a calculation

For the purposes of this guide we'll use the ASTRO PU 2013 (Item) column in the analysis created in the earlier section of the guide to show the number of items per 1000 ASTRO PUs

> Due to the small number which would be returned by dividing items by the PU the figure is multiplied by 1000 to show more usable data
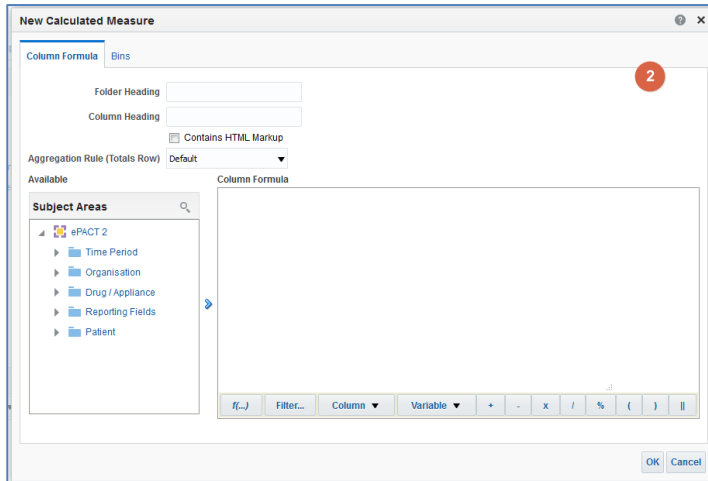
Creating a calculation

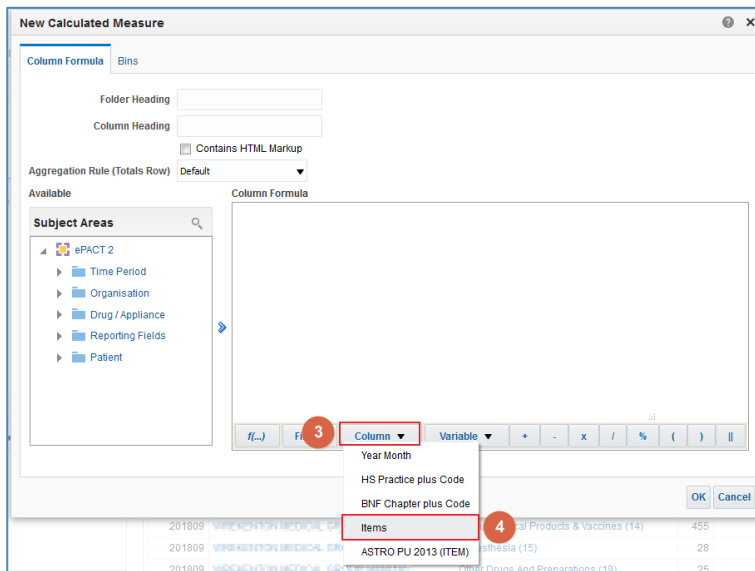1.   From the 'Results' pane select the 'New Calculated Measures' icon

2.   The 'New Calculated Measure' pane will be displayed

3. Select the 'Column' icon to open up the available columns to select from the analysis.
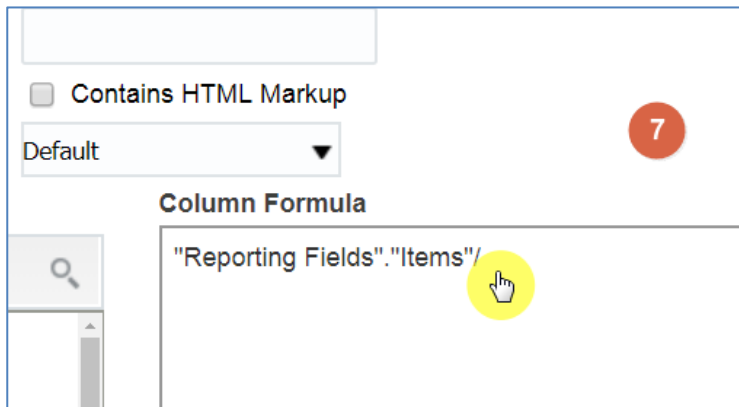
4. From the options available select 'Items'

5. The formula for the column will now be included in the 'New Calculated Measure' pane, Click at the end of the inserted column formula to ensure it's not highlighted.
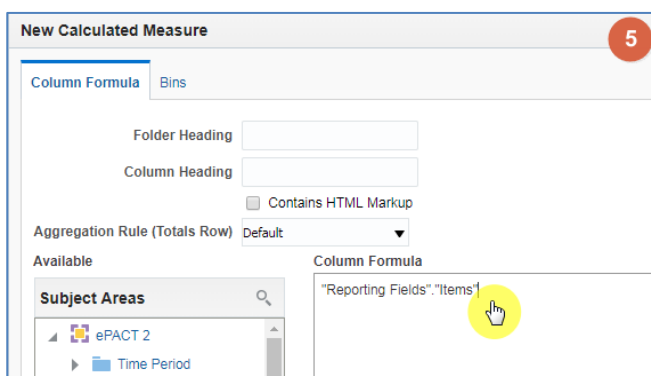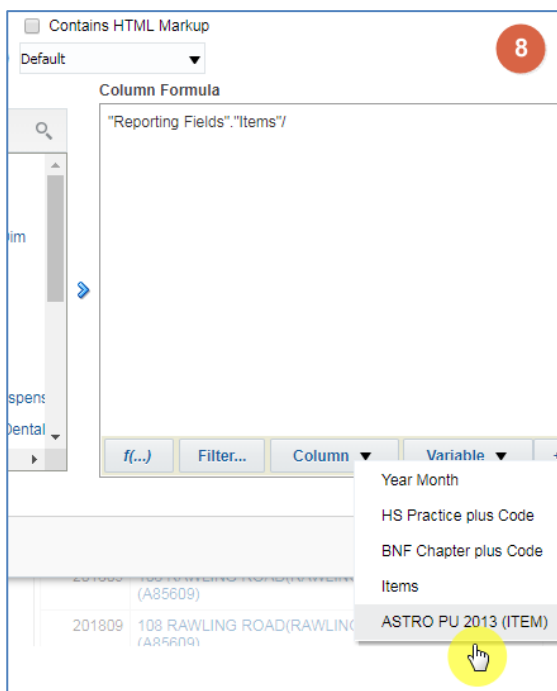
6.   Enter the divide symbol (/) from the task bar to the end of the column formula
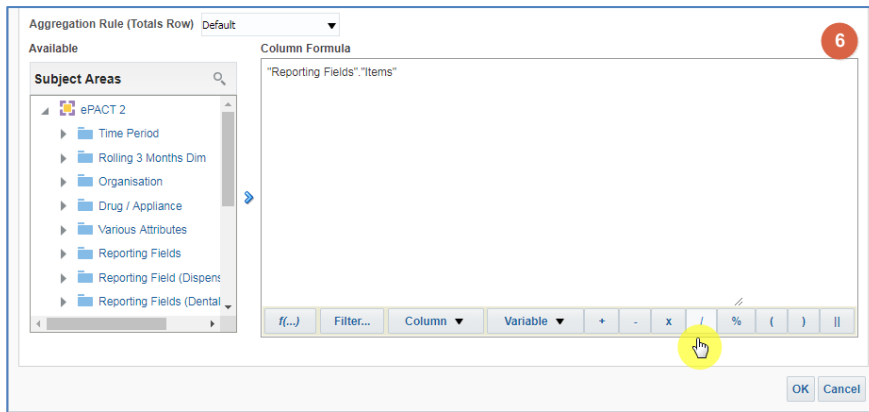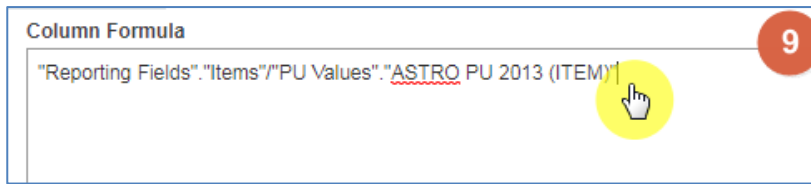

7.   Click at the end of the inserted divide symbol to ensure it is not highlighted.
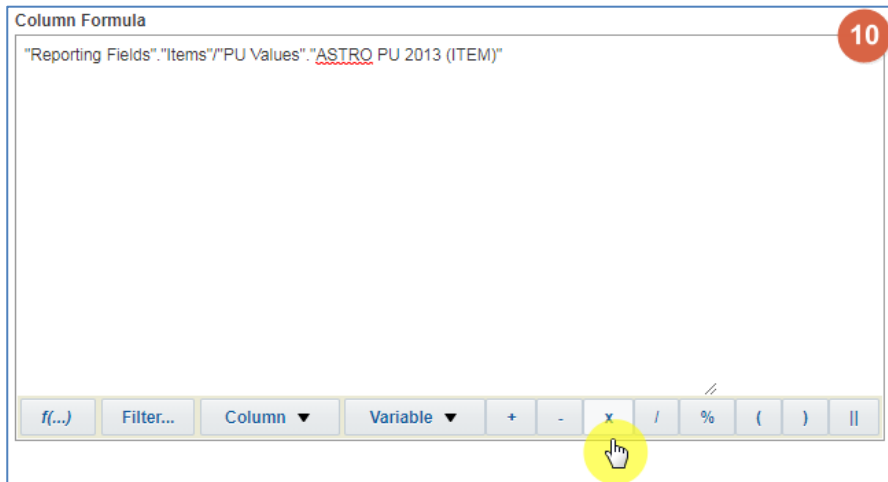

8.   Click the 'Column' icon on the task bar, from the available list of columns select 'ASTRO PU 2013 (Items)'

9.   Click at the end of the inserted column formula to ensure it is not highlighted.

10.   Enter the multiply symbol (x) from the task bar to the end of the column formula and then manually enter '1000'

Don't forget to remove the highlight each time another element is added to the formula, if not the next element added will overwrite what is there
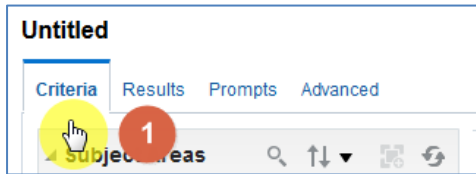
11.   Amend the column heading to 'Items per 1000 ASTRO PUs 2013 (Item)', the column formula pane should appear as:
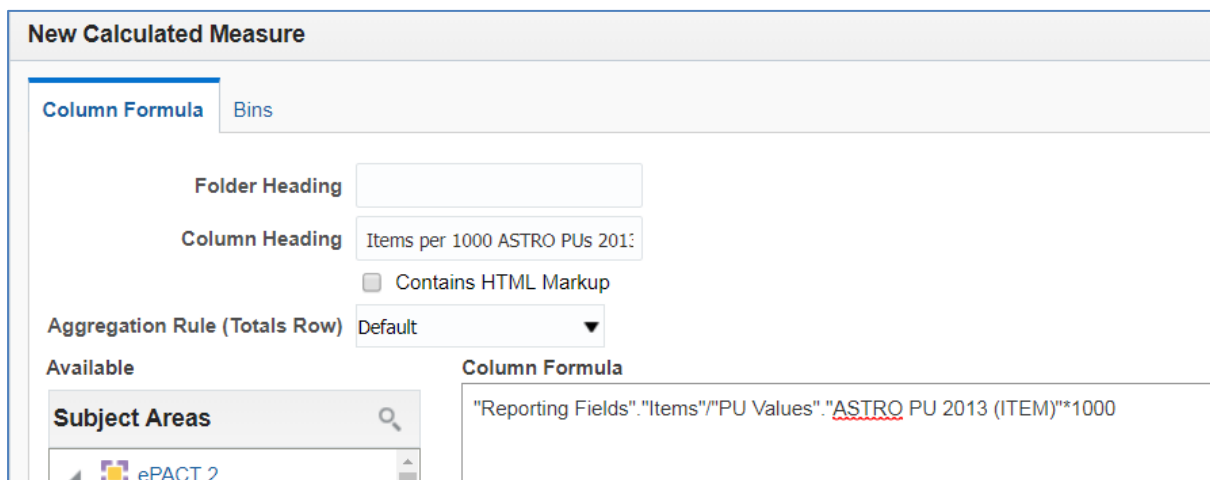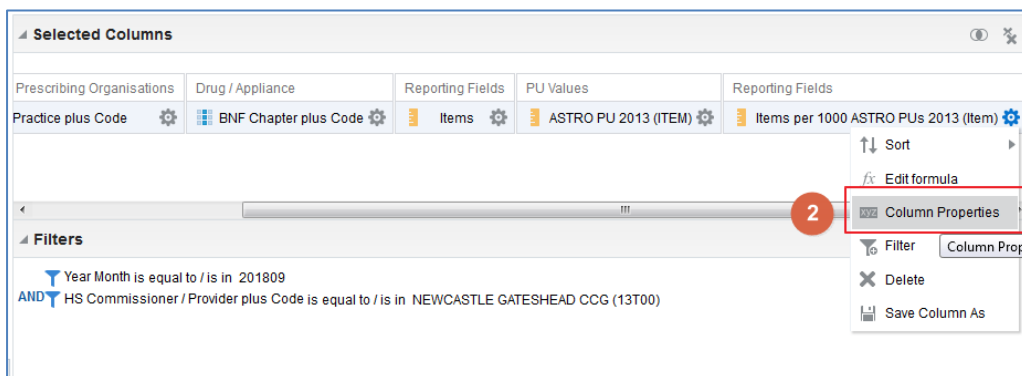

12.   Click 'OK', you will now have a new column in your data.
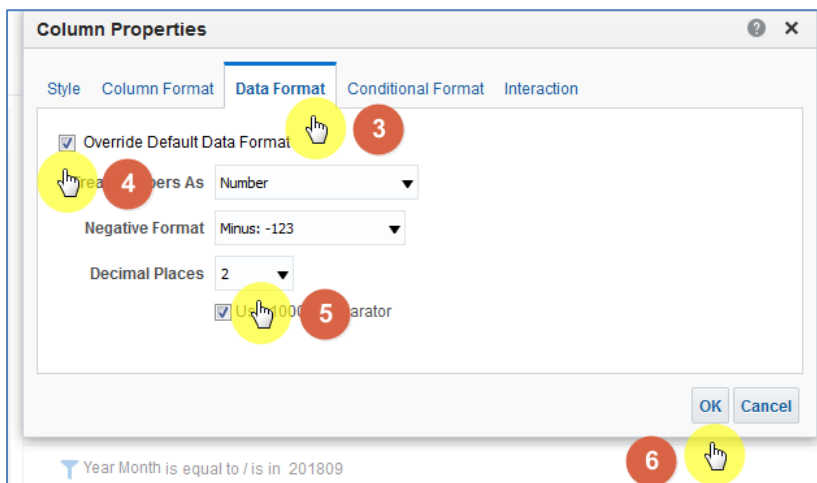
Amending the Data Format

1.   Select the 'Criteria' Tab from the top of the page.

2.   Use the scroll bar at the bottom of the 'Selected Columns' pane to scroll to the end of the selected columns. Hover over the Cog icon on your new 'Items per 1000 ASTRO PUs 2013 (Item)' column and select 'Column Properties'

3.   The 'Column Properties' box will now open, select the 'Data Format'

4.   Tick the 'Override Default Data Format' box

5.   Use the 'Decimal Places' drop down list to set the number of decimal places to '2'

6.   Select OK to apply the changes

7. Select 'Results' to see the final data

Saving a column and re-using a saved column

Once the calculated column has been created it is possible to save this column to be re-used in multiple analyses

Saving a column

1.   Use the scroll bar at the bottom of the 'Selected Columns' pane to scroll to the end of the selected columns. Hover over the Cog icon on your new 'Items per 1000 ASTRO PUs 2013 (Item)' column and select 'Save Column As'
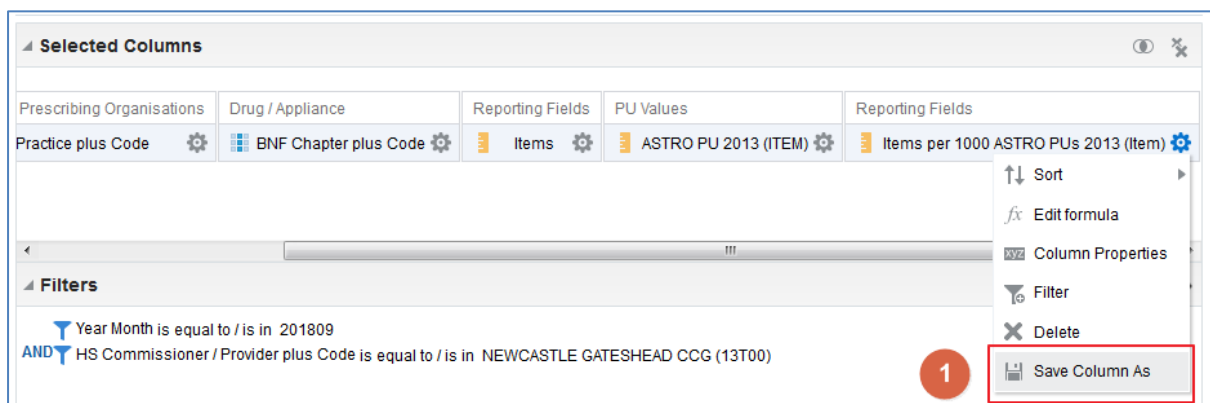
2.   The 'Save As' pane will open

3.   Select the folder you wish to save the column in

4.   Name the column appropriately

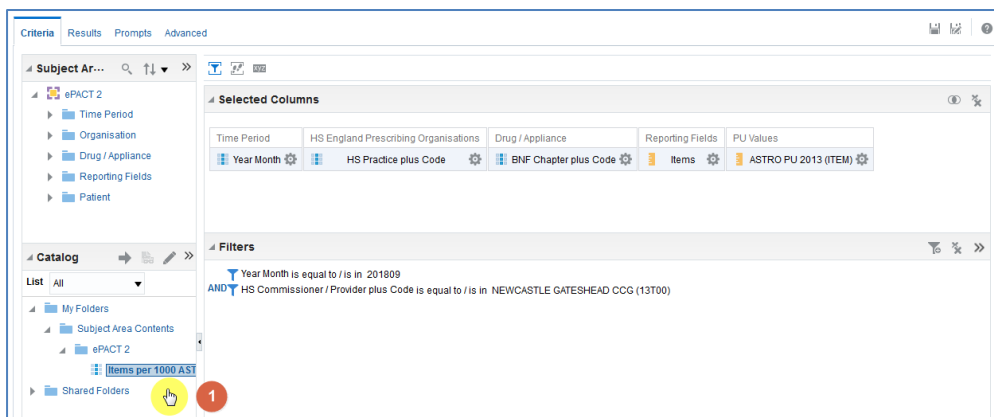5.   Select 'Ok' to confirm selections and save the column

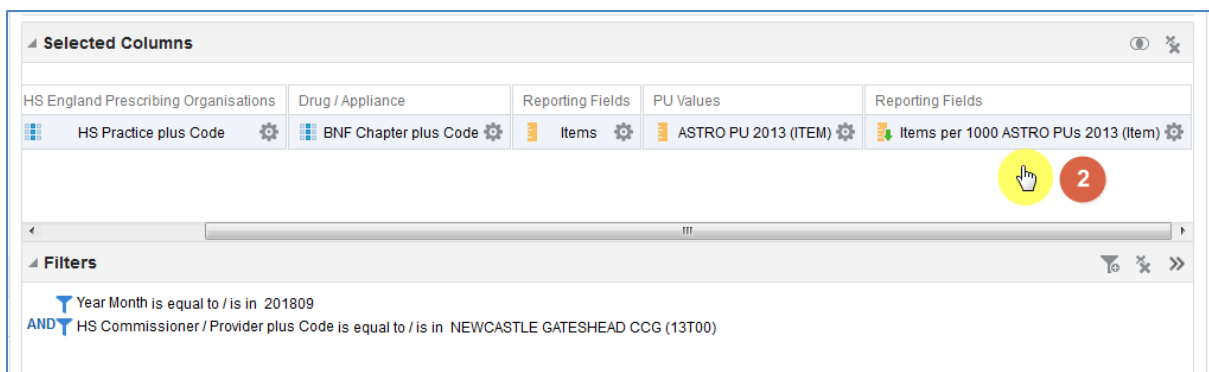6. The column icon will be updated to indicate it is a saved column
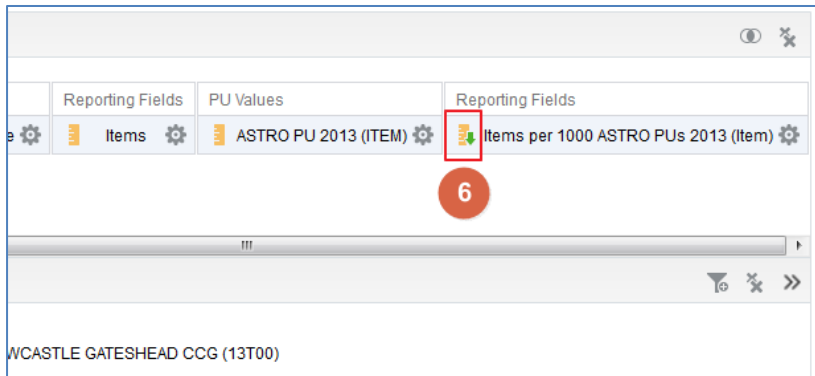
Re-using a saved column

1. Locate the saved column within the 'Catalog' area of the analysis builder

2. The column can now be selected in the same way as columns from the subject area. Double click or click and drag the column into the 'Selected Columns' section

Including STAR PU columns in an analysis

The STAR PU columns can be found in the following folder:

Two columns need to be used in conjunction when returning STAR PU data

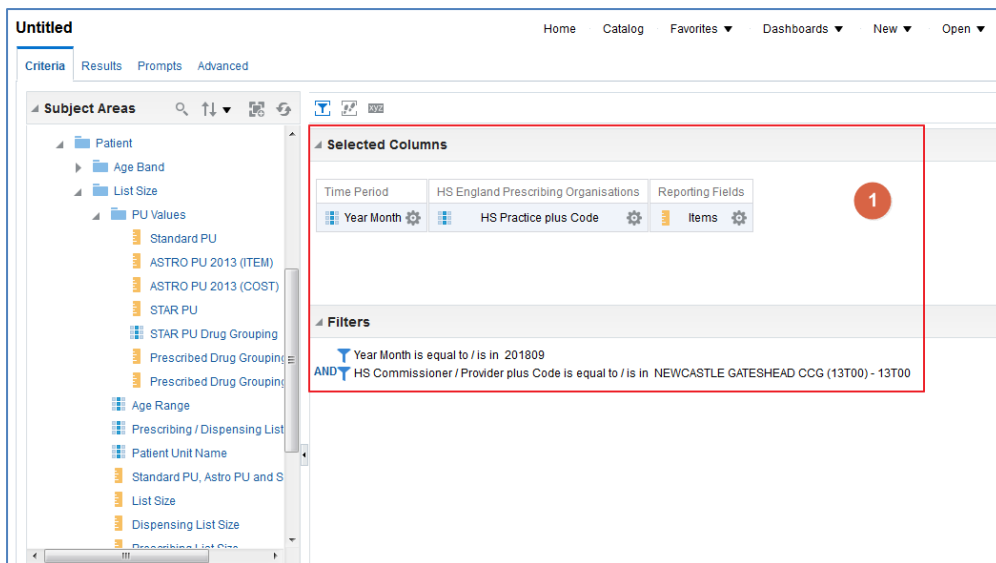| 1) STAR PU	Will show the STAR PU figure for the Organisation/Drug Grouping selected
2) STAR PU Drug Grouping	Allows the selection of a specific STAR PU drug grouping

To run analyses with these columns in use the following steps:

1. Include the columns and filters you wish to return data for.

In this example I am running the data for September 2018, 'Newcastle Gateshead CCG'. The data will be returned at practice level showing the Antibacterials I (BNF 5.1) STAR PU figure for each practice.

2.   Expand the subject area to the location – Patient>List Size>PU Values, and select the STAR PU and STAR PU Drug Grouping columns.
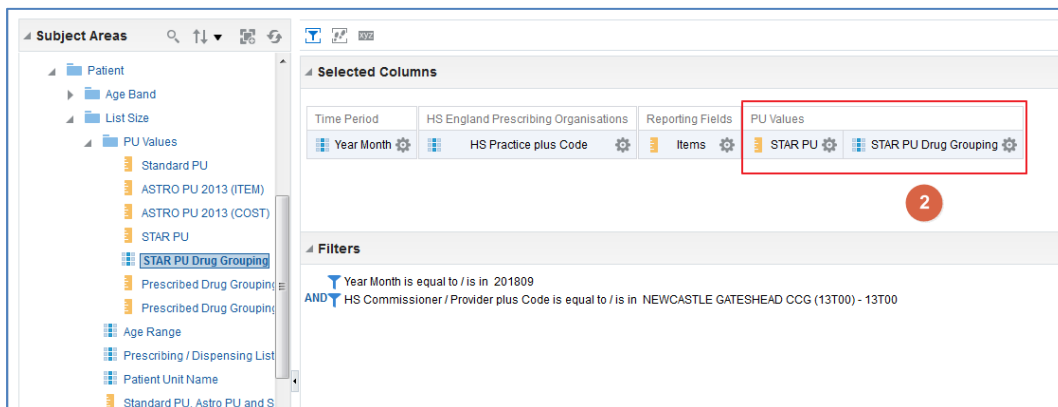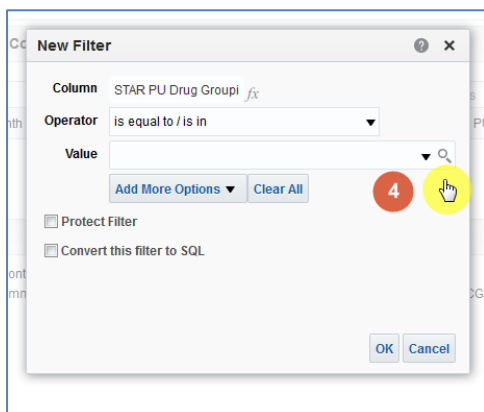

When using the STAR PU columns the report needs to the filtered to a specific Therapeutic group.

This can be done using the 'STAR PU Drug Grouping' column

3.   Select the 'cog' icon for the 'STAR PU Drug Grouping' column; from the drop down list select the 'Filter' option.
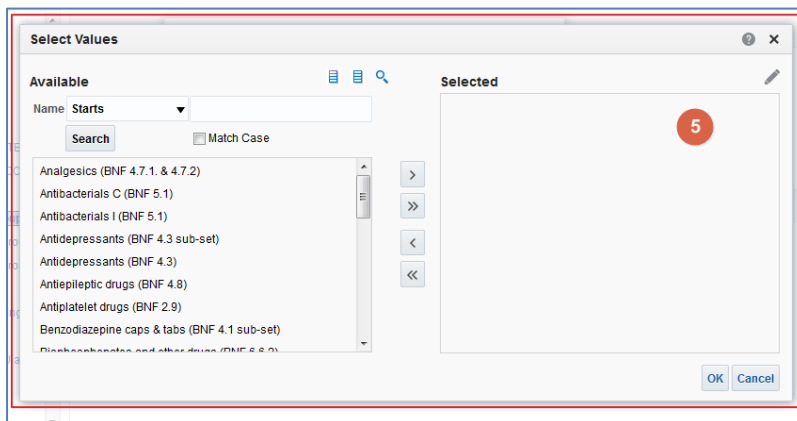
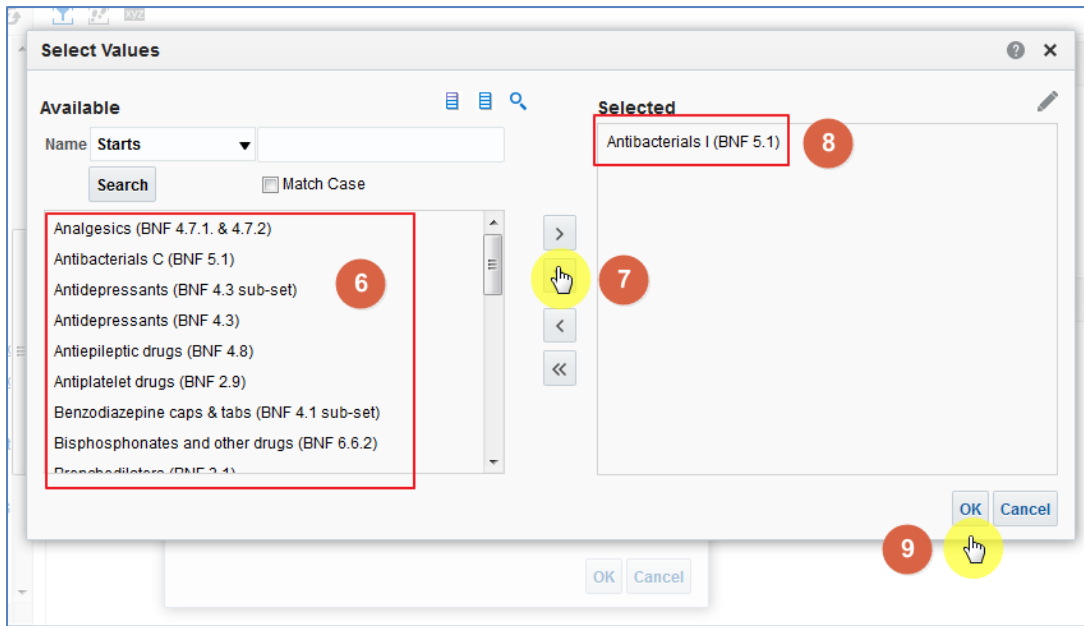4.   Within the 'New Filter' pane select the search icon

5.   The 'Select Values' pane will be displayed

6.   Left click the required therapeutic group from the list provide, to highlight in blue the therapeutic group you require

7.   Use the single arrow icon to move the highlighted group into the 'Selected' pane

8.   The highlighted group will now be displayed in the 'Selected' pane

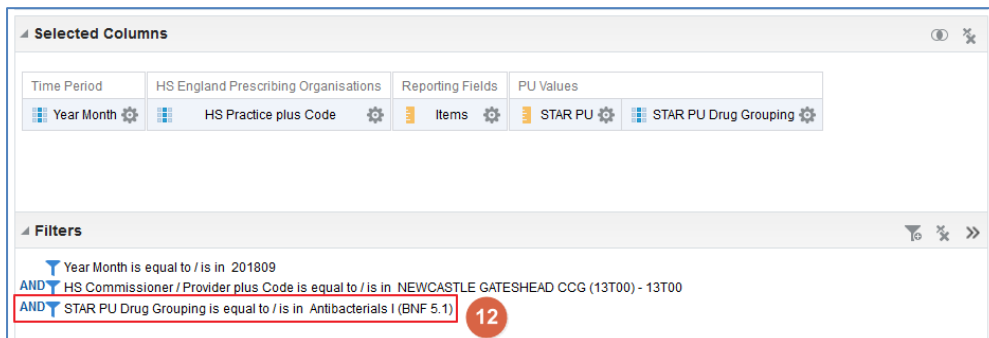9.   Select 'Ok' to confirm the selection

10. The 'Values' section of the 'New Filter' pane will be populated with the group selected
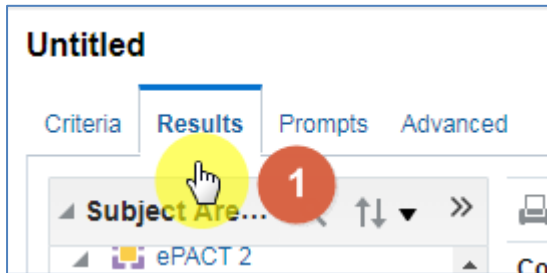
11. Select 'Ok' to create the filter
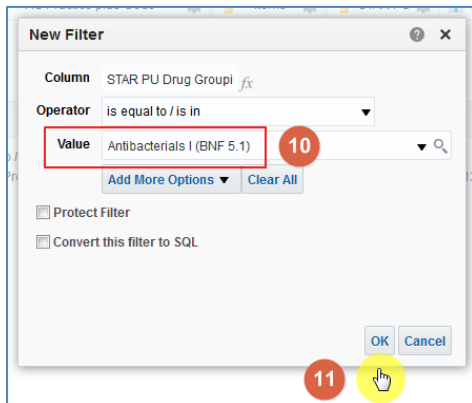
12. The filter will be added to the 'Filter' pane

> As the filter for the 'STAR PU Drug Grouping' has been added to the analysis all columns included will be limited by the drug grouping selected including the 'Items'

13. Select 'Results'

Untitled

| Criteria | **Results** | Prompts | Advanced |

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14. You results will then return to show the number of Items and the STAR PU figure for the drug group selected

Compound Layout

| Year Month	HS Practice plus Code	Items	STAR PU	STAR PU Drug Grouping
201810		60	889	Antibacterials I (BNF 5.1)
201810		73	1,493	Antibacterials I (BNF 5.1)
201810		235	2,565	Antibacterials I (BNF 5.1)
201810		558	4,710	Antibacterials I (BNF 5.1)
201810		186	2,405	Antibacterials I (BNF 5.1)
201810		535	5,815	Antibacterials I (BNF 5.1)
201810		249	3,309	Antibacterials I (BNF 5.1)
201810		438	5,112	Antibacterials I (BNF 5.1)
201810		664	9,327	Antibacterials I (BNF 5.1)
201810		88	1,039	Antibacterials I (BNF 5.1)
201810		132	1,391	Antibacterials I (BNF 5.1)
201810		238	3,023	Antibacterials I (BNF 5.1)
201810		460	5,653	Antibacterials I (BNF 5.1)
201810		440	6,432	Antibacterials I (BNF 5.1)

Calculating the ADQ/DDD per STAR PU

Users may wish to use the STAR PU figure within a calculation to show ADQ/DDD per STAR PU

Two columns are available which can be used within an analysis to show the ADQ/DDD usage figures. These columns can then be used within a calculation to show the ADQ/DDD per STAR PU
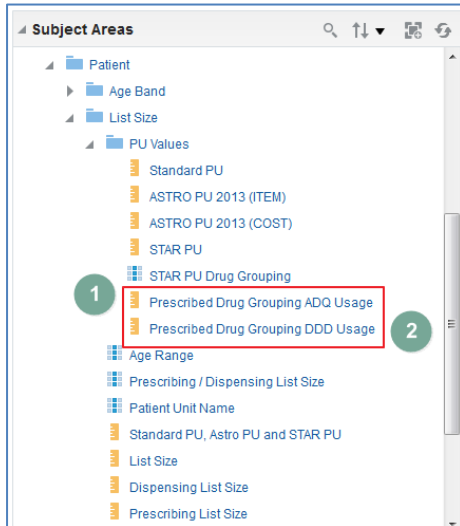

1) Prescribing Drug Grouping ADQ Usage	Will show the ADQ usage for the drug grouping selected
2) Prescribing Drug Grouping DDD Usage	Will show the DDD usage for the drug grouping selected

Creating the Calculation

1.   Include the required column within the analysis, for this example 'Prescribing Drug Grouping ADQ Usage' has been used
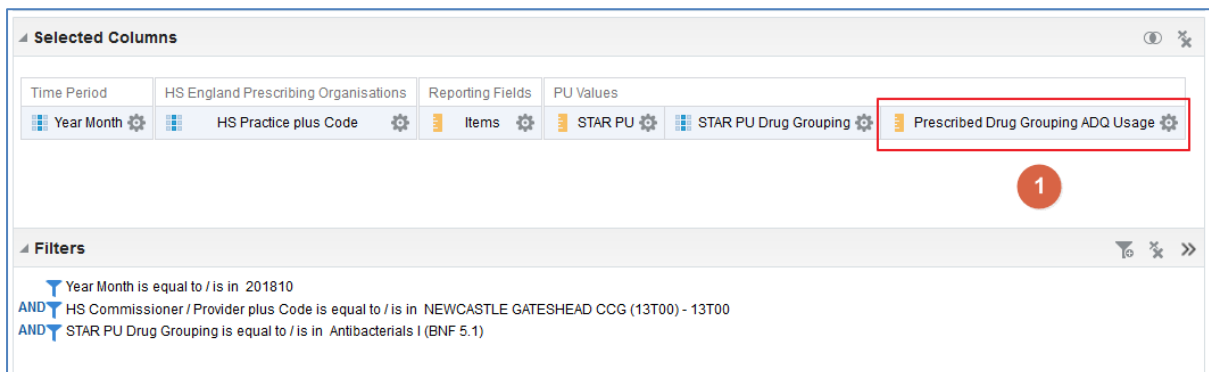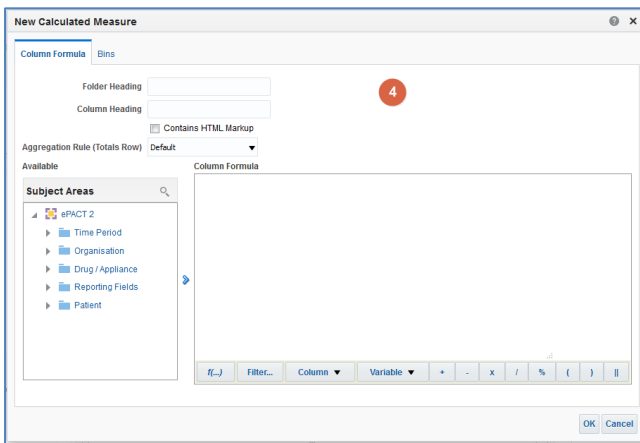
2.   Select the 'Results' tab to navigate to the results pane
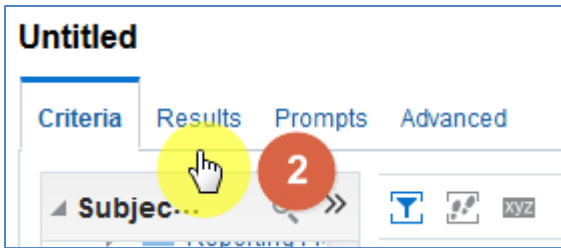
3.   From the 'Results' pane select the 'New Calculated Measures' icon
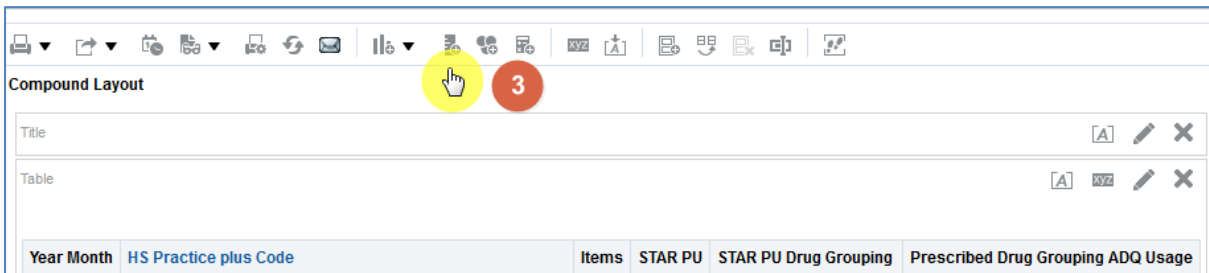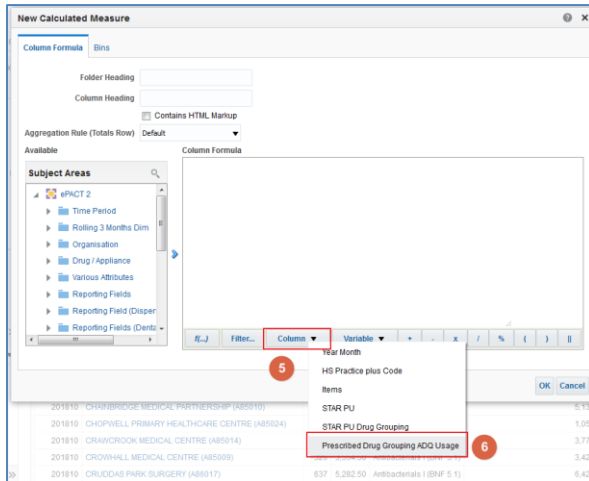

4.   The 'New Calculated Measure' pane will be displayed

5.   Select the 'Column' icon to open up the available columns to select from the analysis.

6.   From the options available select 'Prescribed Drug Grouping ADQ Usage'

7. The formula for the column will now be included in the 'New Calculated Measure' pane

8. Enter the divide symbol (/) from the task bar to the end of the column formula

9. Select the 'Column' from task bar, from the available list of columns to select choose the 'STAR PU' column

> Don't forget to remove the highlight each time another element is added to the formula, if not the next element added will overwrite what is there

10. Amend the column heading to 'ADQ per STAR PU', the column formula pane should appear as:
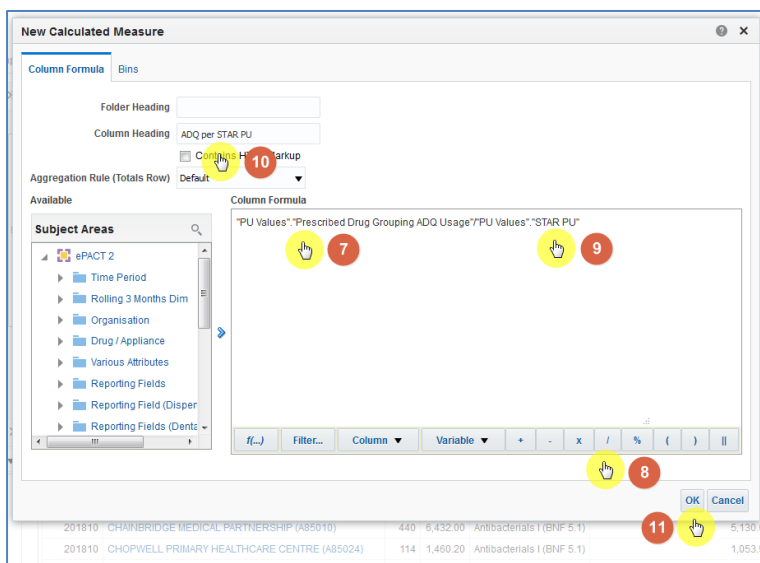
11. Click 'OK', you will now have a new column in your data.

Amending the Data Format

12.   Select the 'Criteria' Tab from the top of the page.
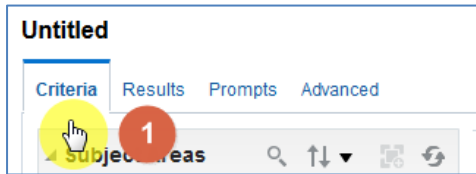
13.   Use the scroll bar at the bottom of the 'Selected Columns' pane to scroll to the end of the selected columns. Hover over the Cog icon on your new 'ADQ per STAR PU' column and select 'Column Properties'
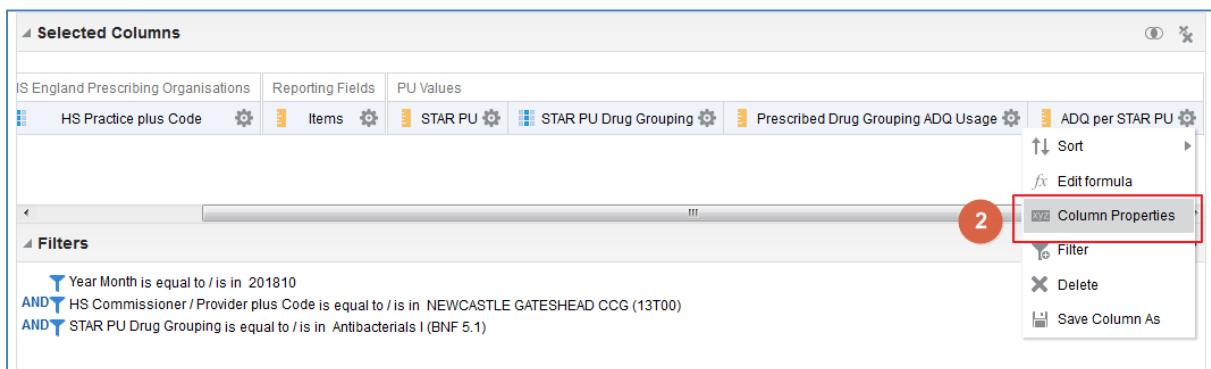
14.   The 'Column Properties' box will now open, select the 'Data Format'

15.   Tick the 'Override Default Data Format' box

16.   Use the 'Decimal Places' drop down list to set the number of decimal places to '3'

17.   Select OK to apply the changes

18. Select 'Results' to see the final data

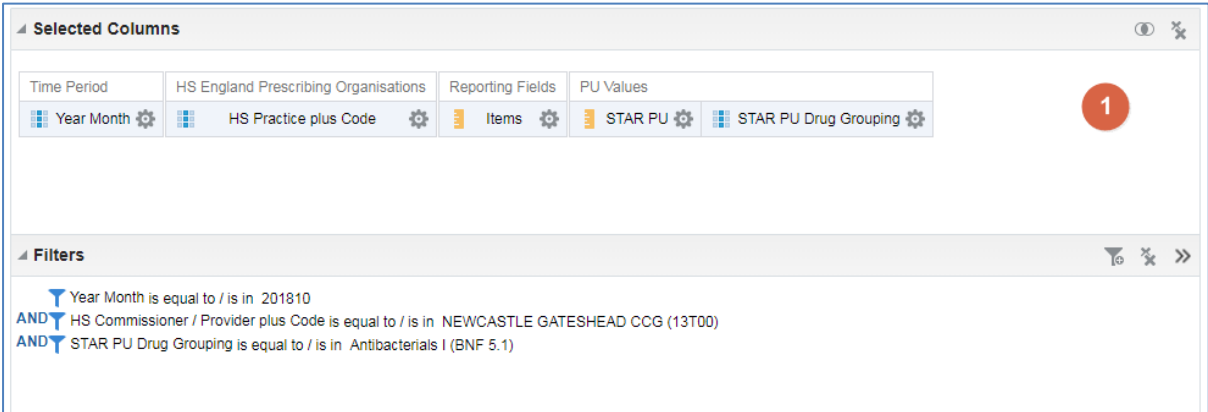# Displaying drugs included in the Drug Grouping

When including a STAR PU figure in an analysis it is possible to break the information returned down by a BNF level for the values included within the drug grouping

For the purposes of this guide we'll use the STAR PU analysis created in the earlier section of the guide and break the information down to show the individual BNF Presentation for the drug grouping
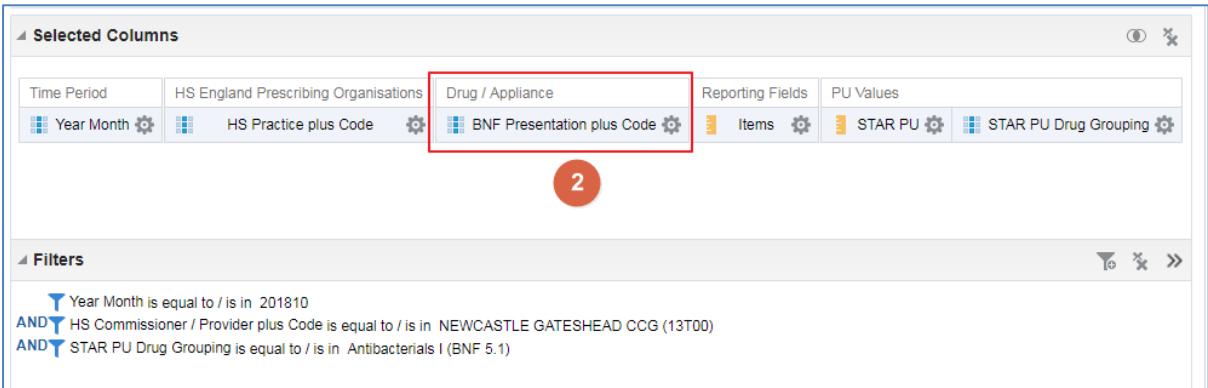
> For this example the information will be broken down to BNF Presentation level, if an alternative BNF level is required the appropriate BNF column should be included in the analysis

1. Return to the 'Criteria' tab for the analysis

2. Expand the subject area and include the 'BNF Presentation plus Code' column in the analysis

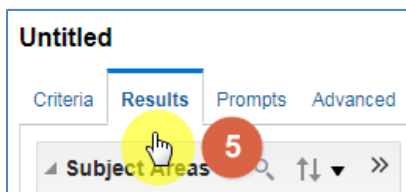3.   Select the 'Advanced' tab from the top left hand corner of the analysis builder.

4.   Scroll down to the 'Advanced SQL Clauses' section from here select 'Show Total value for all measures on unrelated dimensions'

5.   Select 'Results'

6.   You results will then return to show individual BNF Presentation included in the drug grouping

Getting Help

Additional training material and user guides

The NHSBSA has developed a number of how to guides to help you get the best out of ePACT2. These can be found at: Additional User Guides

WebEx sessions

WebEx will be provided on a number of different topics and features. More information about these can be found here: WebEx Training