



TRIM – D17-44637

OrgTRx Quick Reference Guide – Calculating group susceptibility

This document takes you through the steps to calculate and display the susceptibility for a group of organisms from different genus.

Open a view you want to change – the instructions below assume you are working with a view similar to or based on ‘Antibiogram Blood’, ‘Antibiogram Urine’ or ‘Antibiogram - not Blood or Urine’.

1 Replace measures in the grid with sensitivity status code

1a Go to **Filters**

1b Select **All Slicers**

1c Click on the **+** sign beside Sensitivity Status

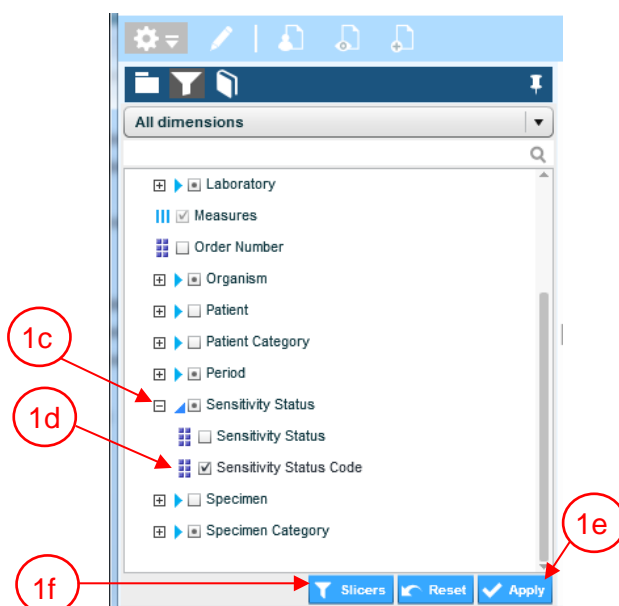
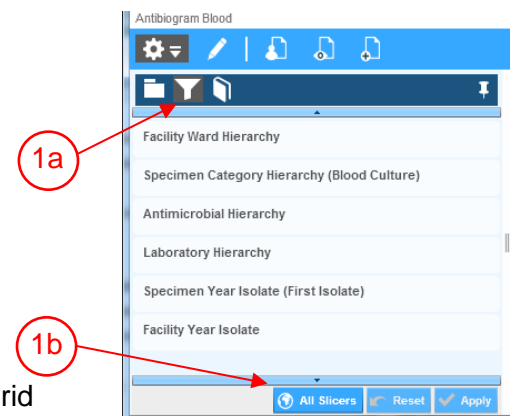
1d Select **Sensitivity Status Code**

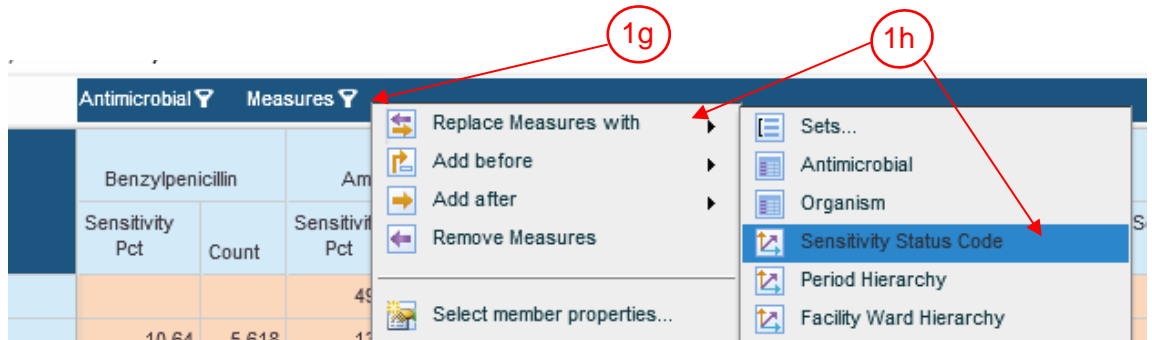
1e Select **Apply**

1f Click on **Slicers** to return to the slicer pane

1g Click on the **dropdown arrow** beside **Measures** in the grid

1h Choose **Replace Measures with – Sensitivity Status Code**

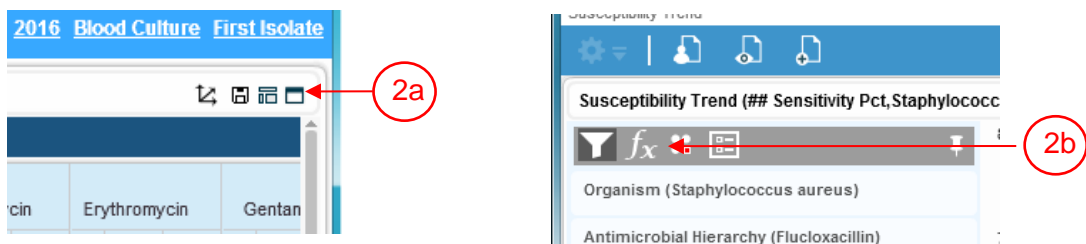




2 Create a formula for the count of the total number tested

2a Click **Maximise** button – icon in the top RH corner when you hover over the work board

You now have a slightly different looking pane on the LHS of your screen



2b Click on the function button (**fx**)

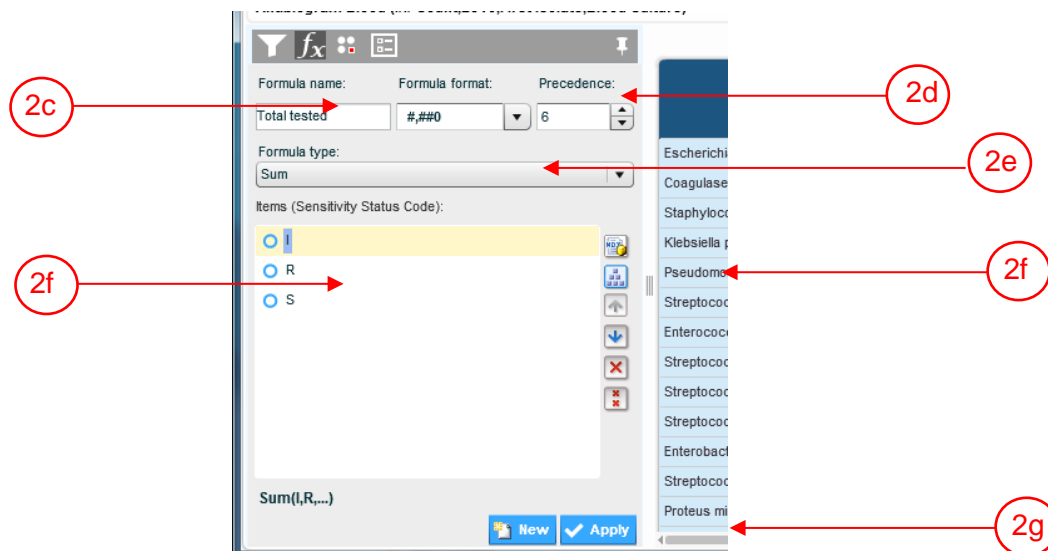
2c Enter a **Formula name** (Total tested) this will be the name of a new column created in the grid

2d Choose a **Formula format**, this establishes the format to display the number created by the formula. Use **#,##0** which gives whole numbers with a thousands separator.

2e Choose a **Formula type** - **Sum**

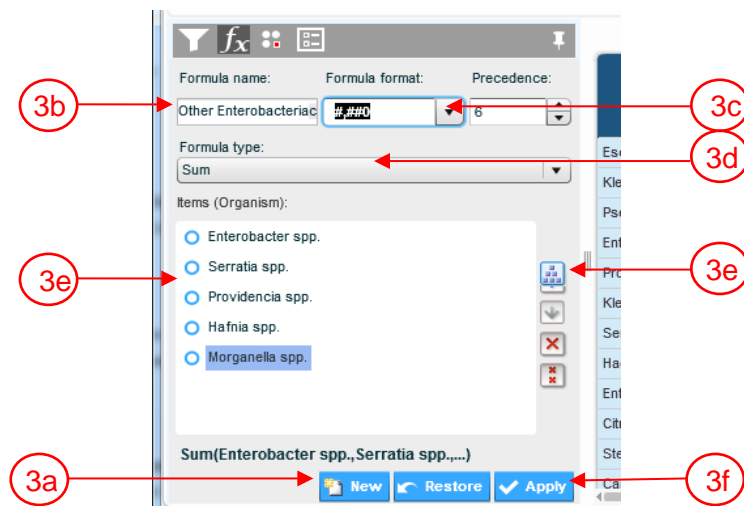
2f Highlight and drag the members from the data grid that you want to add up (**S, R & I**) into the **Items** box or use the members selection button on the RHS of the Items box to select the required members from the **Sensitivity Status Code** dimension

2g Select **Apply** and a new column appears in the data grid called Total tested.

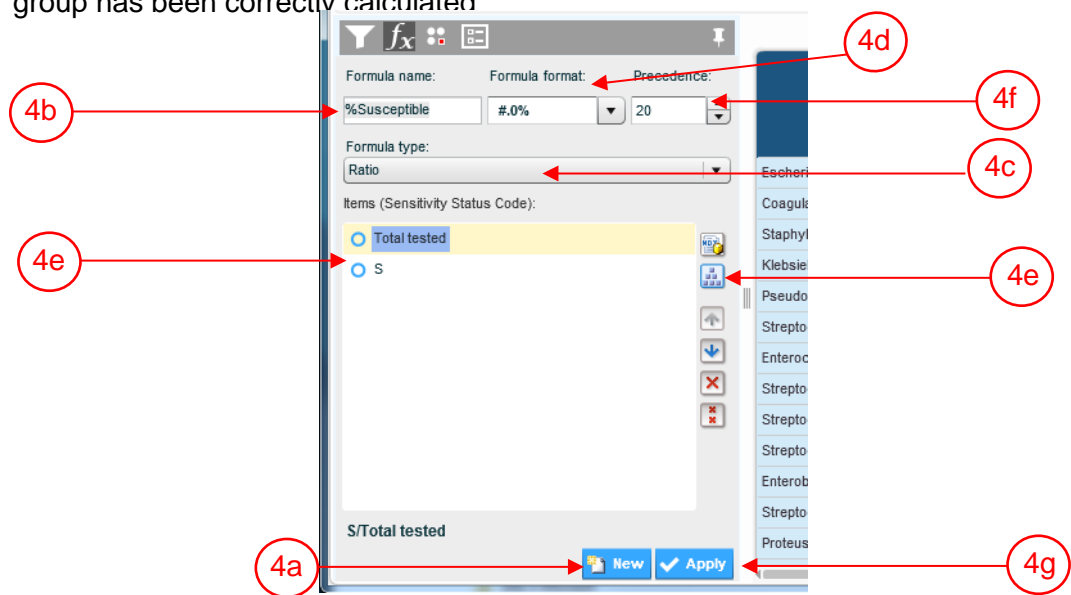


Create a formula to add up the numbers tested for the organisms you want to group.

- 3a Click **New** to create a new formula
- 3b Enter a **Formula name** (Other Enterobacteriaceae)
- 3c Choose the **Formula format** (#,##0)
- 3d Choose the **Formula type** – Sum
- 3e Highlight and drag the members you want to add up (**Enterobacter spp. Serratia spp. Providencia spp. Hafnia sp. Morganella spp**) from the grid to the **Items** box. Or use the members selection button on the RHS of the Items box to select members from the required members from the **Organism** dimension.
- 3f Select **Apply** and now you should have a row placed at the bottom of the grid with the name Other Enterobacteriaceae.



- 4 Create a formula for % susceptible.
 - 4a Click **New**
 - 4b Enter a **Formula name** (% susceptible)
 - 4c Choose **Formula type**, use the drop down arrow to change this to **ratio** then click **OK**
 - 4d Change **Formula format** to display one digit after the decimal by clicking in it and deleting a '0' to end up with **#.0%**
 - 4e Highlight and drag the members to be used to calculate % S (**total tested & S**) into the **items** box, the order of these is important and you need the denominator (total tested) above the numerator (S)
 - 4f Change the **Precedence** from 6 to **20** (the lower the precedence the earlier the formula is calculated and the higher the precedence the later it is calculated)
 - 4g Select **Apply**, you now have a column with the % susceptible in which the %S for your group has been correctly calculated



- 5 To get out of maximise mode click on the icon that has replaced it in the top RHS of the work board – it says 'restore' when you hover



6 You may want to limit the columns that are displayed to just total tested & % susceptible.

6a Highlight the columns you want displayed

6b Click on the **drop down arrow** that appears in the highlighted cells when you hover over them

6c Choose **Select highlighted members**

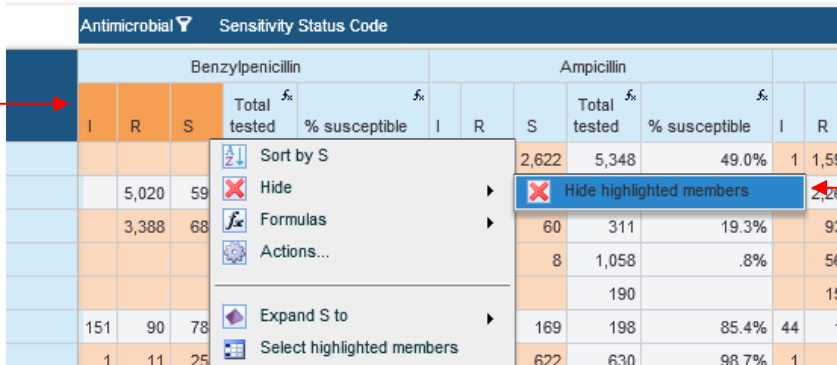
OR

7 You may want to hide the columns you don't want displayed in the grid.

7a Highlight the columns you want to hide

7b Click on the **drop down arrow** that appears in the highlighted cells when you hover over them

7c Choose **Hide** then **Hide highlighted members**



Antimicrobial					Sensitivity Status Code					
Benzylpenicillin					Ampicillin					
I	R	S	Total tested	% susceptible	I	R	S	Total tested	% susceptible	
								2,622	5,348	49.0%
	5,020	59								
	3,388	68						60	311	19.3%
								8	1,058	.8%
									190	
	151	90	78					169	198	85.4%
	1	11	25					622	630	98.7%

8 You may also want to review the organisms you want included in the rows of the grid (eg. to remove the organisms included in the group you have created).

8a Click on the **drop down arrow** that appears in the Organism dimension

8b Choose **Select members**

8c Highlight the organisms in the **Selected** column on the right hand side that you don't want to appear in the grid and use the **- arrow** to remove them

8d Click OK when finished

9 Don't forget to save this view.



For more information on items 6, 8 or 9 refer to the OrgTRx User Guide.