

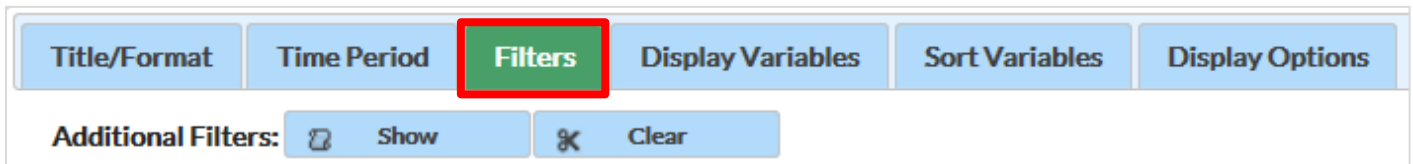
How to Filter Reports by Additional Criteria

Description

Each report allows for additional filtering of the data that will be considered for the report. The tabs of the modification screen allows you to adjust the results based on your needs. While the list of variables is dependent on the dataset used for the report, the operation of this section remains the same across all report types.

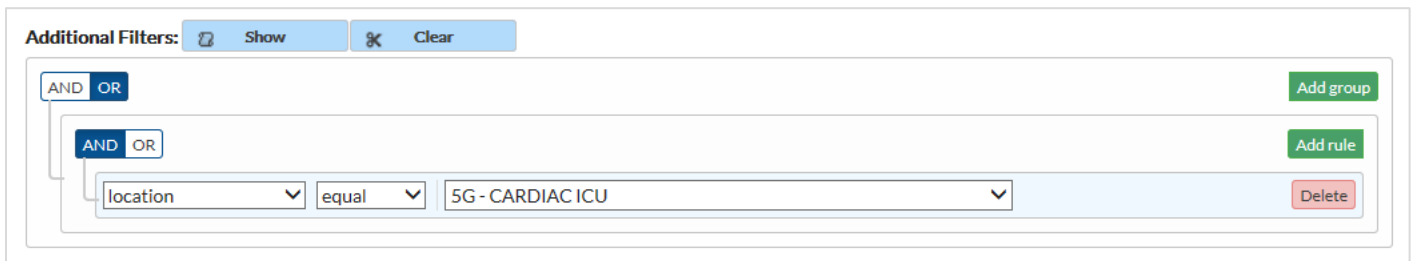
How to Filter

- The drop-down menus in the “Additional Filters” allow you to select a variable for filtering by group and/or rule.



The screenshot shows a horizontal row of five tabs: 'Title/Format', 'Time Period', 'Filters', 'Display Variables', and 'Display Options'. The 'Filters' tab is highlighted with a green background and a red border. Below the tabs, there is a section labeled 'Additional Filters:' followed by a 'Show' button and a 'Clear' button.

- After selecting a variable to filter, click in the empty box with the drop down arrow to select the operator (i.e., “equal”) then specify desired values of that variable that should be included in the report



The screenshot shows the 'Additional Filters' section. At the top, there are 'Show' and 'Clear' buttons. Below them, there is a section for adding filters. It starts with 'AND' and 'OR' buttons. A green 'Add group' button is on the right. Below this, there is a section for adding a rule. It starts with 'AND' and 'OR' buttons. A green 'Add rule' button is on the right. Below this, there is a rule being added: 'location' (selected from a dropdown), 'equal' (selected from a dropdown), and '5G - CARDIAC ICU' (selected from a dropdown). A red 'Delete' button is on the right of the rule.

- Each addition of “group” and “rule” will allow you to specify values. Use an operator to modify the values (operators described below). After specifying values, remember to click Save!!
- After specifying criteria, you can double check your criteria selection by clicking “Show”. This will display the parenthetical equation used to filter your data.
- The example shown above indicates that the report would be restricted to events that occurred in the location, 5G – Cardiac ICU (location=5G).

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Description of Operators

Various operators can be selected to modify the report:

equal
not equal
in
not in
less
less or equal
greater
greater or equal
between

Tip: Use the “in” operator to select multiple values of a variable. For example, location in (22ICU, 72ORTHO) would include all records where the location is either 22ICU or 72ORTHO. Many variables, such as location, supply drop-down menus for selection; other variables, such as “CLABCount”, allow a free text field for entry of values.

The screenshot shows a filter interface with a header bar containing 'AND' and 'OR' buttons. Below this is a rule entry box. The first dropdown is 'location', the second is 'in', and the third is a text field containing '22ICU - PEDIATRIC ICU, 72ORTHO - ORTHOPEDIC UNIT'. To the right of the text field is a '+' button. Further right are 'Add rule' and 'Delete' buttons.

Example 1

Suppose you wish to view a line list of CAUTIs in which MRSA or VRE were identified.

- Because we wish to restrict the report to specific multi-drug resistant organisms (MDRO), select from the drop-down menu for each MDRO by selecting the “add rule” box.

The screenshot shows a filter interface with a header bar containing 'AND' and 'OR' buttons. Below this are two rule entry boxes. The first rule has 'mrsa' in the first dropdown, 'equal' in the second, and 'Y - Yes' in the third. The second rule has 'vre' in the first dropdown, 'equal' in the second, and 'Y - Yes' in the third. To the right of each rule box is a 'Delete' button. Further right are 'Add rule' and 'Delete' buttons.

- Consider each row (addition of a rule) in the selection criteria grid its own equation/filter. Therefore, in this example, MRS A = Y and VRE = Y are on two separate rows/rules.

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Example 2

You would like to view all CAUTI events in select ICU locations and for patients who were 65 years old, or older, at the time of the event (“Add group”). “Add rule” for each group.

- The operator “greater or equal” was used so that the report would be restricted to those events where the age at event was greater than or equal to the desired age.

The screenshot displays a filter configuration interface. At the top, there are 'AND' and 'OR' buttons, with 'AND' selected. A 'Show SQL' link is present. A red-bordered 'Add group' button is in the top right. Below, the first group (labeled 'AND') contains four rules, each with a 'Delete' button: 'location' equal 'MICU - MEDICAL ICU', 'location' equal '5G - CARDIAC ICU', 'location' equal 'SICU - SICU', and 'location' equal 'ICU-A - ICU-A'. A green 'Add rule' button is to the right of this group. The second group (also labeled 'AND') contains one rule: 'ageAtEvent' greater or equal '65', with a 'Delete' button. A green 'Add rule' button is also to the right of this group.

Additional Resources

For basic modification guideline, follow <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.pdf>