

Vermont Oxford Network – Global Health Documentation

2023 Global Health Reports Users Guide

Release 1.1
Published May 2023

2023 Global Health Reports Users Guide

Contents

Global Health Internet Reporting System User Guide	2
Contacting Vermont Oxford Network Support	2
Login to Global Health	3
Center/Group Selector	3
Navigation Menu Overview	4
Dynamic Reports Tabs	4
Measure Selection	5
Adding Measures	5
Removing Measures	6
Key Performance Measures	6
Filters	6
Chart Tools	7
Comparison Data	8
Time Series	10
Saved Charts	11



Global Health Internet Reporting System User Guide

Global Health Reports is a web-based data reporting tool provided by Vermont Oxford Network for our Global Health members. It is accessed in our password-protected [Member Portal](#).

Authorized users can view collected and calculated measures and create reports derived from these measures. Reports can be dynamically created to show the measures and time periods your team would like to study. Center data can be compared to the ANA Network or any group to which your center might belong. Users can download charts or reports as PDF and tables in PDF or Excel formats or save charts for future use.

Center-specific data are generally available on Global Health Reports approximately 30 minutes after record submission. Center data for the current year and the previous year may change when a center submits a new or updated record. Comparison group data may also change for the previous year. Any years that are more than 1 year prior to the current year are archived. Center and comparison data for archived years will no longer change.

Information obtained from Global Health Reports is subject to the Vermont Oxford Network Data Use Policy, accessible at www.vtoxford.org/datause.

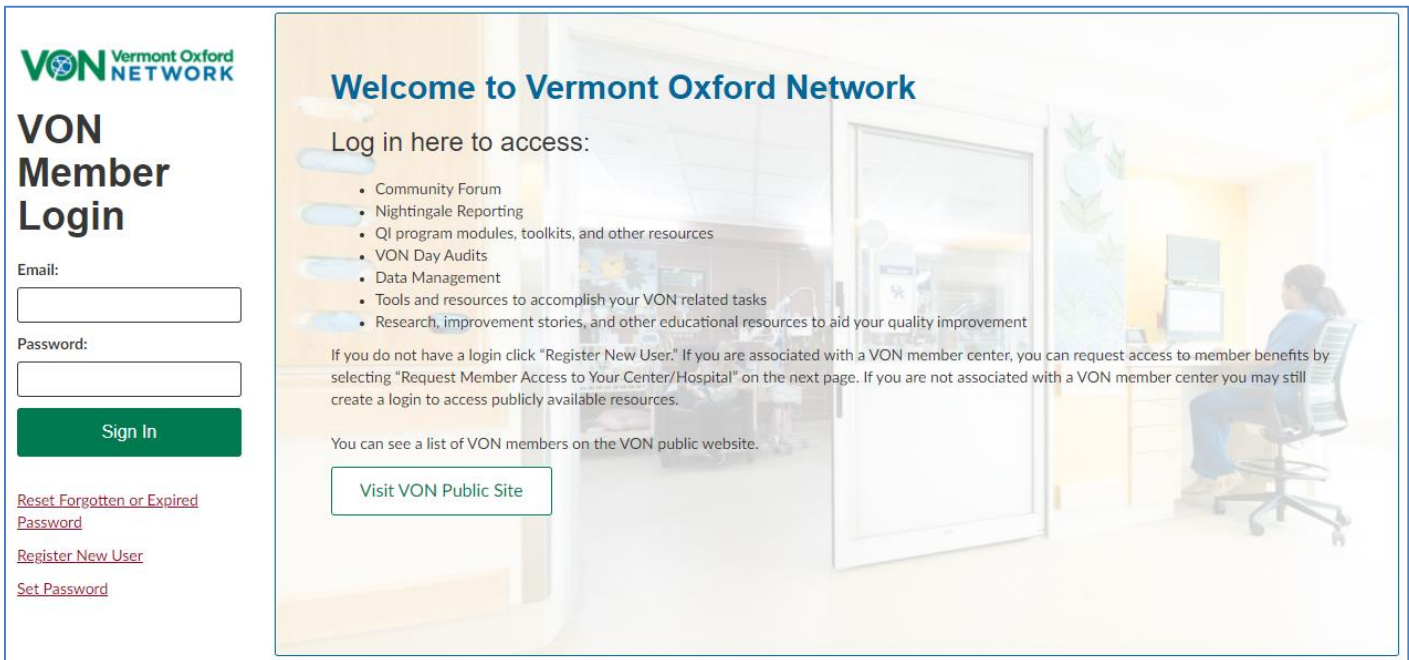
Contacting Vermont Oxford Network Support

If you have any questions or require any assistance with the installation or use of the software, you can contact the VON Support Department by emailing support@vtoxford.org. Our business hours are 9:00 am – 5:00 pm Eastern Standard Time in the United States (UTC-5:00). You can also reach us on the WhatsApp application at +1 (802) 488-8050.

We have a robust and searchable knowledge base which contains articles on almost every issue that has been reported to VON Support. You can access it at <https://vtoxford.zendesk.com/hc/en-us>.

Login to Global Health

Global Health Reports can be found through the navigation menus in the [Member Portal](#) of the Vermont Oxford Network website, or at <https://reports.vtoxford.org/>. Enter the email address for your account and your password, then click “Sign In” to access Global Health Reports.



The screenshot shows the login interface for the Vermont Oxford Network. On the left, there is a sidebar with the VON logo and the text "VON Member Login". Below this are input fields for "Email:" and "Password:", a green "Sign In" button, and links for "Reset Forgotten or Expired Password", "Register New User", and "Set Password". The main content area features a large background image of a person working at a computer. The heading "Welcome to Vermont Oxford Network" is followed by the instruction "Log in here to access:" and a bulleted list of resources: Community Forum, Nightingale Reporting, QI program modules, toolkits, and other resources, VON Day Audits, Data Management, Tools and resources to accomplish your VON related tasks, and Research, improvement stories, and other educational resources to aid your quality improvement. Below the list, there is a paragraph explaining the registration process for new users and existing members. At the bottom of the main area, there is a link to "Visit VON Public Site" and a note that a list of VON members is available on the public website.

Figure 1 - Member Portal Login

If you have forgotten your password or if you do not have an account, click the “Reset Forgotten or Expired Password” or “Register New User” links for assistance. After clicking the “Sign In” button, a welcome page will display while Global Health Reports loads.

You can navigate to Global Health Reports from most pages in Portal by clicking on **Data** top left and selecting **Global Health Reports** from that menu.

Center/Group Selector

This control is in the upper right corner of the Global Health Reports page and will only display for users that have access to more than one center or group. For users that have access to only a single center, this space will display the center as text, not a control. Clicking on the Center/Group selector will show a list of all centers or groups that the user can access.

Navigation Menu Overview

Across the top of Global Health Reports is the navigation menu. This menu is different from the navigation menu in any other section in the Member Portal.

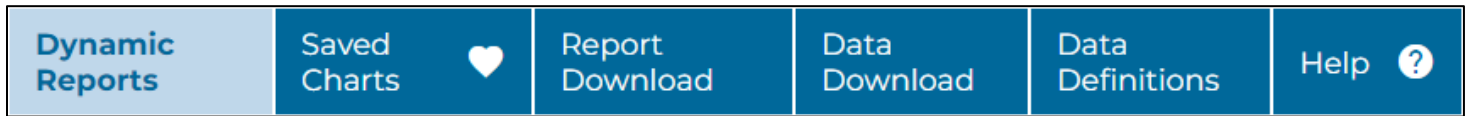


Figure 2 - Global Health Reports Navigation Menu

Dynamic Reports: Create charts using the measures of your choice.

Saved Charts: Favorite charts created in **Dynamic Reports** can be saved and then previewed and restored from **Saved Charts**. These charts will automatically update when new center data is submitted, and when a different center or group is selected.

Report Download: Download PDF reports created by Vermont Oxford Network, such as Annual Reports.

Data Download: Download a copy of your center's raw data in CSV or XML format.

Data Definitions: View definitions of individual data items and calculated measures, applicable populations, and starting years for each data item.

Help: Find links to useful Global Health Reports resources, including data definitions, support articles, and this guide.

Dynamic Reports Tabs

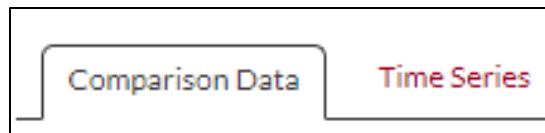


Figure 3 - Dynamic Reports Tabs

After selecting Dynamic Reports, these tabs will appear at the top of the page. Clicking on a tab navigates to the named report type. Each report includes a chart, a table of the displayed data, and an option to view a list of the included infants if applicable.

Comparison Data: View your center’s data alone or with comparison groups.

Time Series: Track your measures over time. All centers can view data by annual, semi-annual, quarterly, or monthly intervals based on the discharge dates.

Note: Each tabbed report type under Dynamic Reports will retain its own measures and filter settings, independent of the other report tabs. Choices made for measures or filters will not carry over between tabs.

Measure Selection

This set of controls on the **Comparison Data** and **Time Series** tabs allows selection of one or more measures for your report.

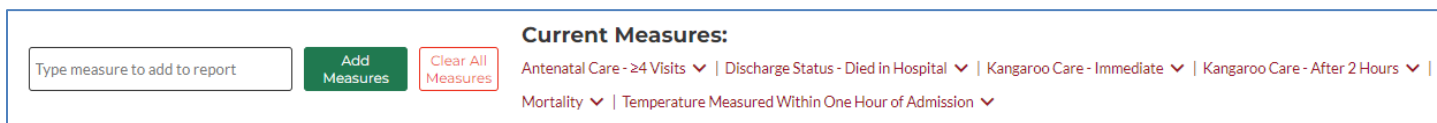


Figure 4 - Measure Selection

Adding Measures

Typing into the text box will display a list of available measures to select. Use the down arrow key or your mouse to scroll and click to select items directly from the list, then click **Add Measures** to add them to the chart. Some measures may show as grayed out on the list with the note “Incompatible with other chosen measures” or “Not applicable for selected year(s)” appended.

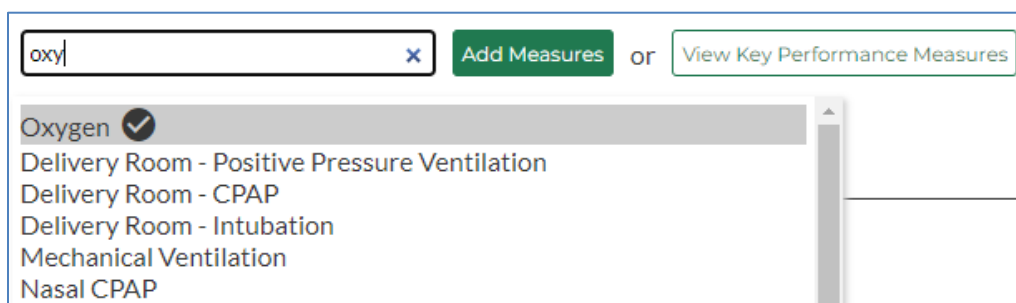


Figure 5 - Searching for Measures Using the Text Box

Removing Measures

Click on the arrow to the right of measure name under **Current Measures** and select **Remove From Report** to remove the measure. You can also select to View Individually to remove all but that measure. There is also a **Go To Data Definition** option which will pop up a window with its definition when clicked.

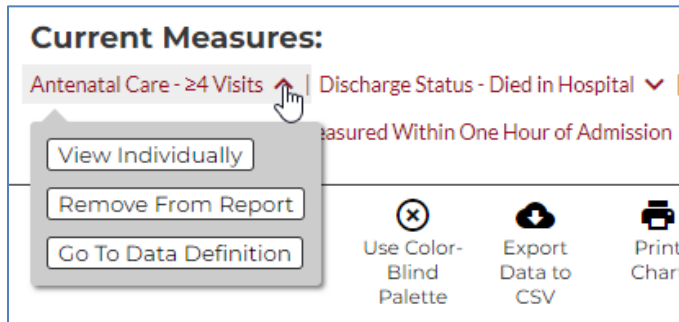


Figure 6 - Menu after clicking on a measure

Clicking the **Clear All Measures** button to the left of the Current Measures will remove all the measures and no chart will display until another measure is added.

Key Performance Measures

When all measures have been cleared from a chart, click the **View Key Performance Measures** button to add this preselected set of measures. These measures can be viewed in Figure 4 of this guide.

Note: If you select only measures that were not available in the selected year(s), you will receive a message explaining that the measures are not valid.

Filters

On the right side of the page beneath the Comparison Groups are a set of filters which include the following:

Population: Filter based on eligibility criteria (All Infants, <2000 Grams or GA < 37 Weeks).

Location: Filter by birth location (Inborn, Outborn, Outborn Admitted Within 1-3 Days, Outborn Admitted >3 Days, Not Previously Discharged Home, Previously Discharged Home, and All Infants).

Start Year/End Year: Select a range of years for the chart. When viewing your center's data alone, you can combine multiple years of data using the **Start Year** and **End Year** selectors.

Show Survivors Only: Checking **Show Survivors Only** will restrict the chart's data set to infants alive at final disposition.

View Options (Summary/Infant List): Toggle between the chart and table view (Summary) and a list of the infant records used to create the chart (Infant List). All columns in the Infant List can be sorted by clicking the header at the top of each column. Note that in list view, it is possible to click on a single infant row on the list to see a detailed infant record.

Chart Tools

At the top of each chart generated are different tools you can select.



Figure 7 - Chart Tools

The following tools are available:

Save Chart: Clicking this icon will add your current chart and options to the **Saved Charts** page, accessible on the blue navigation bar. The chart is saved within your Global Health Reports account and will be updated to display current data from the center or group you select when viewing it.

Use color-blind palette: Click this to toggle between two different sets of colors in the charts. If there is an “x” in the circle, the chart will use a standard set of colors. However, if the icon is a circle with a check mark, the color-blind palette is enabled.

Export Data to CSV: Clicking this option will export the displayed data table into a CSV file. If the **Infant List** option is selected, the button will export the list of infants with the selected measure data.

Print Chart: Clicking this icon will open a print dialog with your default printer selected.

Download Chart: Use this tool to convert the current chart to PNG image format. This feature is not compatible with Microsoft Browsers (Internet Explorer or Edge). Please use the PDF download if you do not have access to an alternative browser such as Chrome or Firefox.

Download PDF: Use this tool to convert the current chart to PDF format. The report will automatically download once the button is clicked.

Share Filters: Clicking this option will create an encrypted link including the chart filters and options that can be shared with anyone who has access to Global Health Reports data. Clicking the link may prompt another user to log in, and then will recreate the chart with data from the logged in user's selected center or group. Note the link produced will be long but can be copied quickly with the available **Copy Link to Clipboard** button.

Comparison Data

The **Comparison Data** chart type displays multiple measures of your center’s data, alone or compared to the ANA Network or any group which your center might belong to (e.g., Ethiopia Group). The chart display depends on the type of measures selected as well as the **Comparison Group** and **Group By** selections.

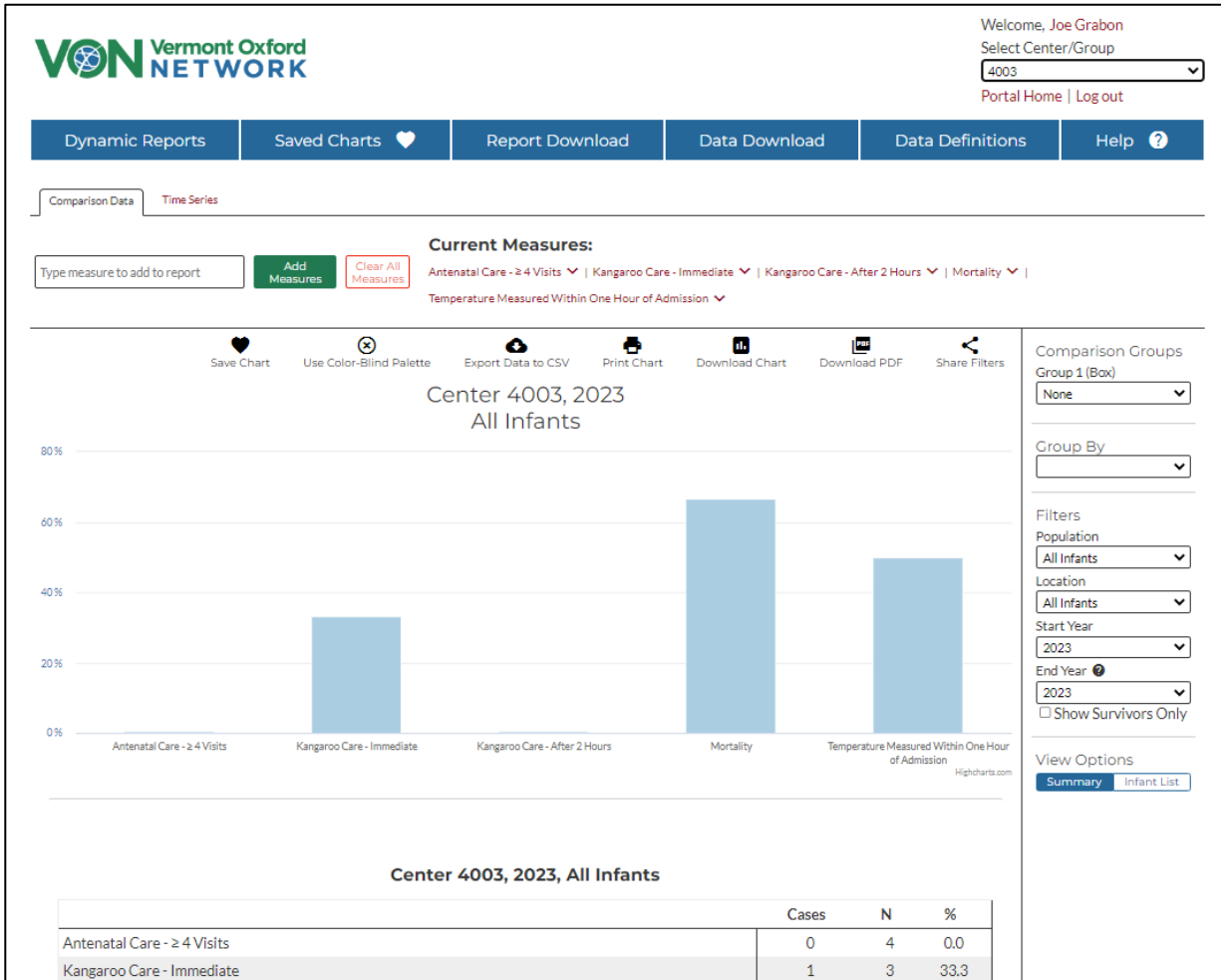


Figure 8 - Comparison Data

Measure Types: Any binary measures may be selected together and will display as a bar chart of center rates as percentages. Numeric and length of stay measures may be selected with other measures that use the same units. For example, any weight variables (recorded in grams) may be selected together, but not with other types of measures. Numeric measures will display as points with whiskers representing your center mean and standard deviation (SD). All length of stay measures may be selected together and will display as points with whiskers representing your center median and interquartile range (IQR).

Group By: Stratify infant data by birth weight, gestational age, or birth location on the Comparison Data tab. When a **Group By** category is selected, multiple measures will display as different colors with a legend below the chart. To remove the Group By stratification, select the blank option in the Group By control.

Comparison Groups: On the **Comparison Data** tab, you may select up to two groups to compare with your center's data. This menu will allow you to compare your data against the entire ANA Network. If you are a member of the Ethiopia Group that will appear as an option too. The Group 2 menu will not display until something is selected for Group 1.

Comparison Group 1 (Box): Comparison Group 1 will appear on the chart as a box plot, displaying the group Q1, median, and Q3, for each measure. These values are the rates at the 25th, 50th, and 75th percentile for hospitals within the selected group. The central 50% of hospitals in the group have rates between the top and bottom edges of the box. Your center's values are plotted as points in relation to these quartiles.

Comparison Group 2 (Diamond): Comparison Group 2 will appear on the chart as diamonds, displaying the group medians for each measure. These values are the rates at the 50th percentile for hospitals within the selected group. Your center's values are plotted as points in relation to the group medians.

The table for either comparison group includes:

- the N for infants, which is the number of eligible infants in the comparison group for each measure
- the proportion of infants meeting the definition (%), mean, or median (based on measure selection)
- the N of centers contributing data to the measure
- the Median hospital rate in the comparison group
- the hospital rates at the Q1 and Q3 for the group

Time Series

The Time Series chart type allows data display over time.

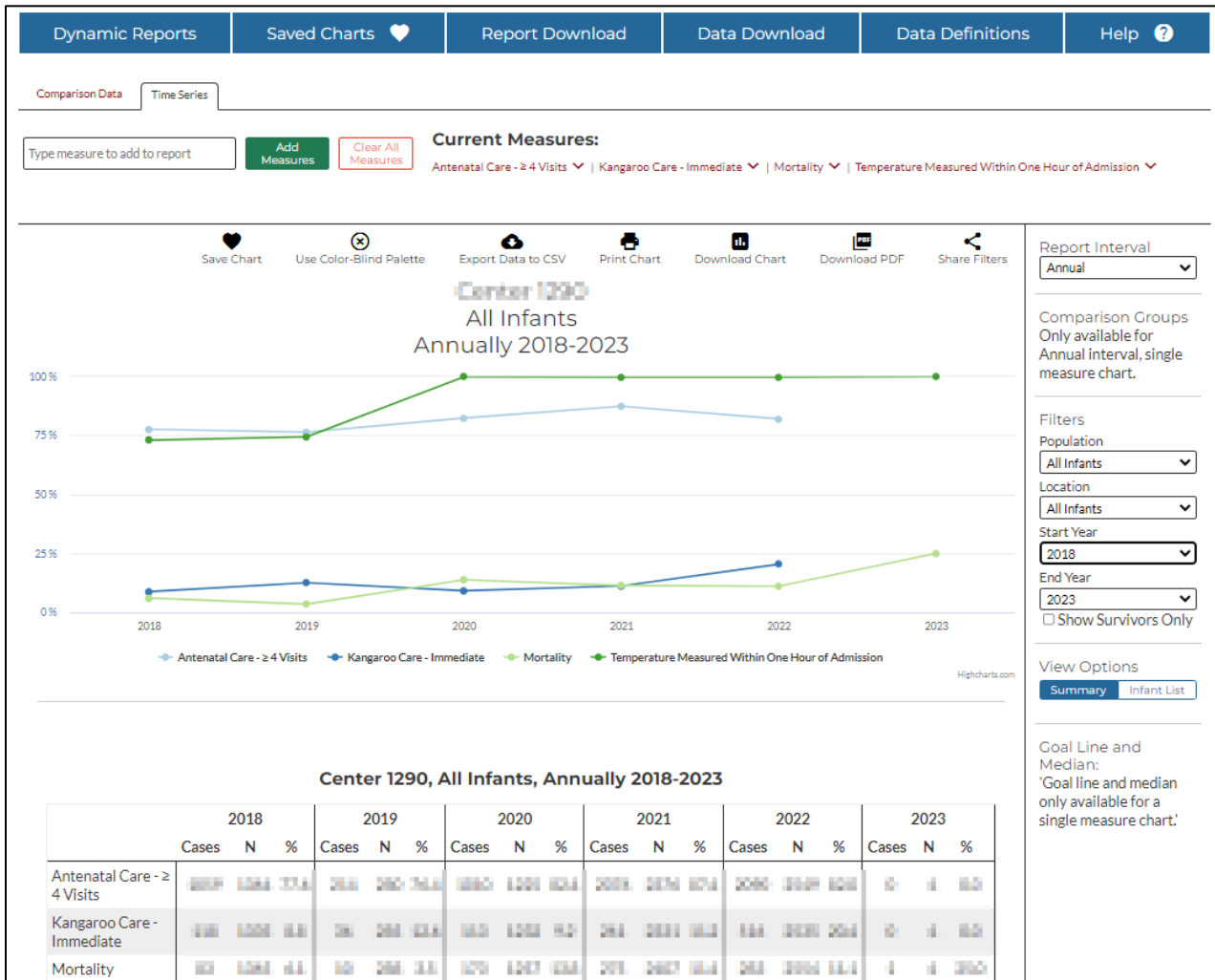


Figure 9 - Time Series

Report Interval: All centers can view data over multiple years using discharge year intervals. The Annual, Semiannual, Quarter, and Month intervals are based on the year the infant was discharged.

Goal Line: When a single measure is selected, Time Series allows you to add a solid horizontal line to your chart to compare your center’s rates over time to a chosen goal rate.

Median: When a single measure is selected, Time Series gives you the option to add a dashed horizontal line representing your center’s median rate over the selected intervals.

Comparison Group: A Comparison Group can be selected on a Times Series chart provided both of the following conditions are true:

- Only a single Measure is selected
- Annual Interval is selected

If a user changes either of the two conditions above, the Comparison Group will be removed from the chart, as will the option to select a new Comparison Group. When a Comparison Group is selected, the data will show as the interquartile range (IQR) overlaying the standard Time Series line value.

The table also includes:

- the N of infants, which is the number of eligible infants in the comparison group for each measure
- the proportion of infants meeting the definition (%), mean, or median (based on measure selection)
- the N of centers contributing data to the measure
- the Median hospital rate in the comparison group
- and the hospital rates at the Q1 and Q3 for the group

Saved Charts

Charts that you have saved using the **Save Chart** control can be viewed, shared, and restored from the **Saved Charts** page.

Only the parameters to create the chart are stored, allowing charts to be recreated with current data. Saved charts will always show the latest available data, even if your data has been updated since the time the chart was originally saved.

Charts appear as previews, slightly smaller than they do under Dynamic Reports. Each preview has a set of controls attached to the top allowing the following actions to be performed:

- **View in Dynamic Reports Tab:** Open the interactive chart under the appropriate tab in **Dynamic Reports**.
- **Remove from Saved Charts:** Remove the chart from your saved collection.
- **Share Filters:** Clicking this control will open the **Share Filters** dialogue. This dialogue provides a link that you can copy quickly to the clipboard using the **Copy Link to Clipboard** button.