

# Report Center

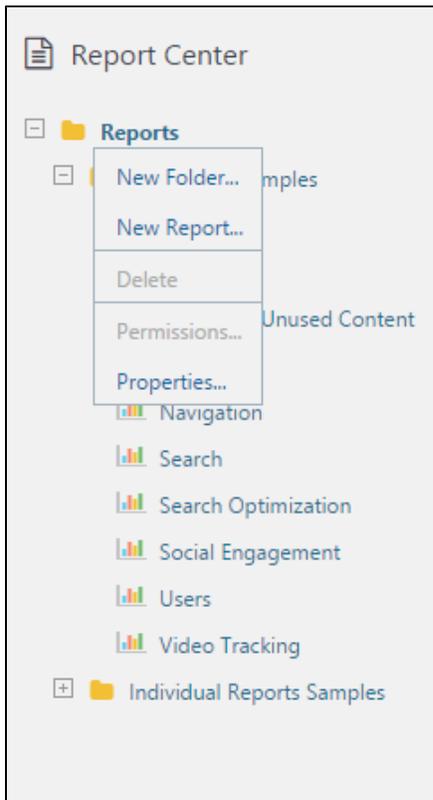
Use the Report Center to gain a fresh insight into your website with a wide range of usage reports and dashboards. In the Report Center, you can easily create dynamic reports that feature charts and tables, either by making use of one of CardioLog's existing templates, or by building a report from scratch. You can schedule reports to run automatically at any interval you like, and you can set permissions for who can view and edit each report to ensure that the right people have access to the right data. It's also possible to export a report in several standard formats including SharePoint web parts and CSV, and to email reports to distribution lists or individual colleagues.

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## How to Create a Report

1. In the Navigation pane, under Report Center, click a folder in the Reports tree, and then select **New Report**. (You can first create a Reports folder by selecting **New Folder...**)



*Create a new report*

2. While in the **New Report** dialog, select the **Blank Report** option and click **Next**:

The image shows a dialog box titled "New Report" with a close button (X) in the top right corner. It contains two radio button options: "New report from template" and "Blank report". The "Blank report" option is selected. At the bottom of the dialog, there are three buttons: "Cancel", "Back", and "Next".

Create a Blank Report

3. Enter the **Name** and **Description** fields, and then click **Next**.

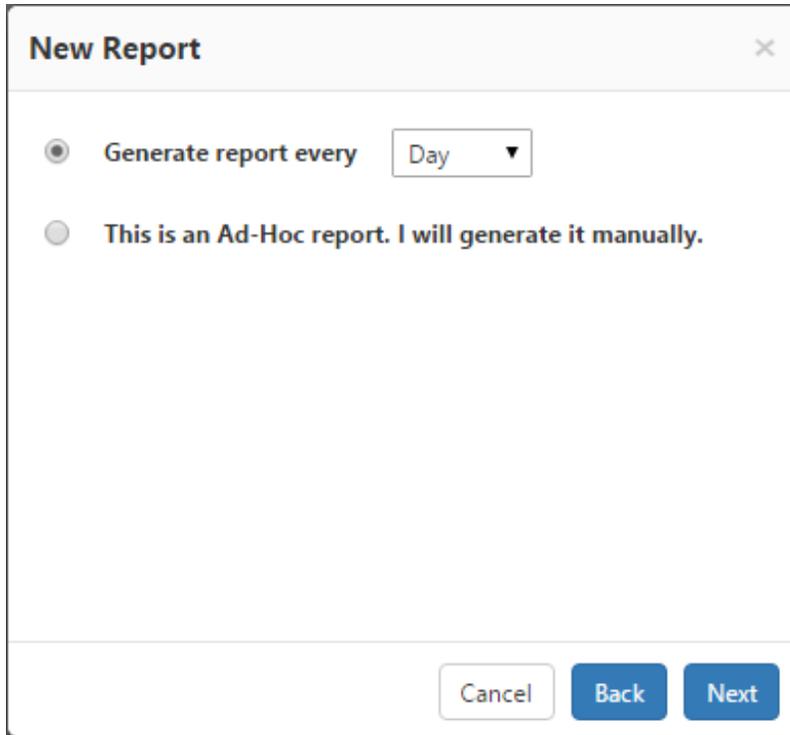
To display dates in the **Name** field of generated reports, you may use the following variables: \$now\$, \$today\$, \$lastday\$, \$thisweek\$, \$lastweek\$, \$thismonth\$, \$lastmonth\$, \$thisquarter\$, \$lastquarter\$, \$thisyear\$, \$lastyear\$

The image shows the same "New Report" dialog box, but now with the "Name" and "Description" fields filled in. The "Name" field contains "Adoption \$lastmonth\$" and the "Description" field contains "New user adoption rates for last month". The "Next" button is highlighted in blue, indicating it is the active button.

New Report Property Details

4. Choose to either schedule the report by day, week or month from the drop-down menu, or you can generate your report manually by

selecting **This is an Ad-Hoc report**. Then click **Next**.



**New Report** [Close]

**Generate report every** Day ▾

**This is an Ad-Hoc report. I will generate it manually.**

Cancel Back Next

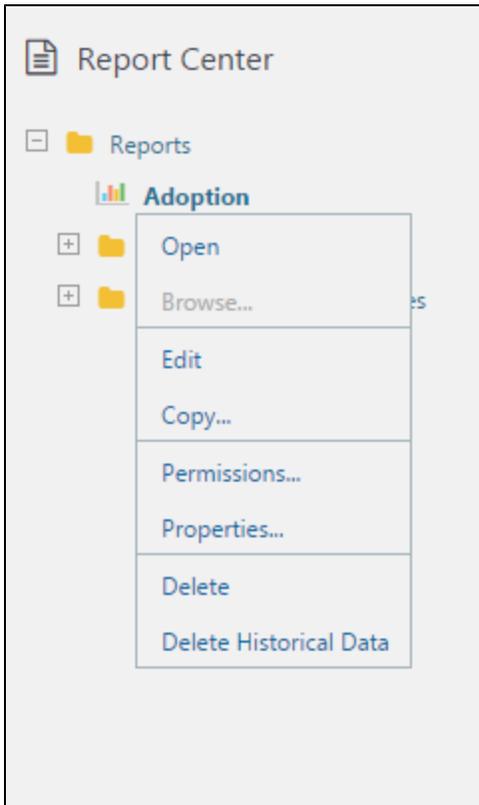
#### *Report scheduling*

5. You should now be viewing your newly created report in edit mode. The report also appears in the Navigation Pane and can be viewed and edited freely by anyone with sufficient permissions.
6. As you move your mouse cursor around the main window, you'll notice that each square of the report grid displays a plus sign (+). Click any square to add a new [widget](#) to in the main window of the report. Alternatively, you may click **ADD** in the top toolbar. Continue on to [report editing](#) for more information.

## How to Edit a Report

Reports may be edited at any time without affecting previously collected data.

1. Find the report you would like to edit in the Navigation Pane, click it, and then select **Edit** from the contextual menu.



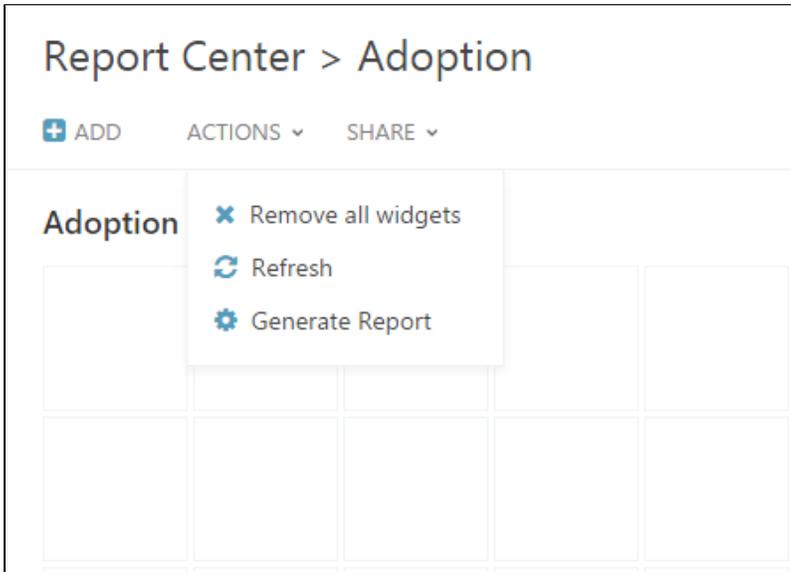
*Report Contextual Menu*

2. The report will now open in Edit Mode. When a report is in Edit Mode, you can add [Widgets](#) to it, change the time range, edit filters and export a CSV file for use with Excel and other spreadsheet applications.
3. You can click any blank area of the report where a plus sign appears as you hover your cursor, or click **Add** at the top of the Central Area Toolbar and select a widget to add to the report. Continue on to [widget editing](#) for more information. The [Reports Gallery](#) contains a full description of all widgets.



*Blank Report Edit Toolbar*

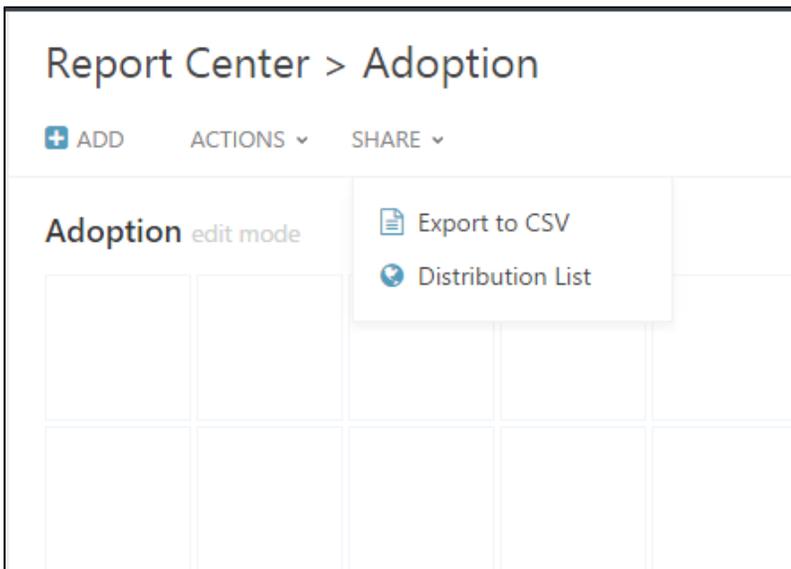
4. The following actions are available in the Top Toolbar while in Edit Mode or Static Mode:
  - **Add** - add widgets to the report.
  - **Actions Menu**
    - **Remove All Widgets** - Clears all widgets from the current report.
    - **Refresh** - refresh the report's settings.
    - **Generate Report** - create the report in real time.



Actions menu

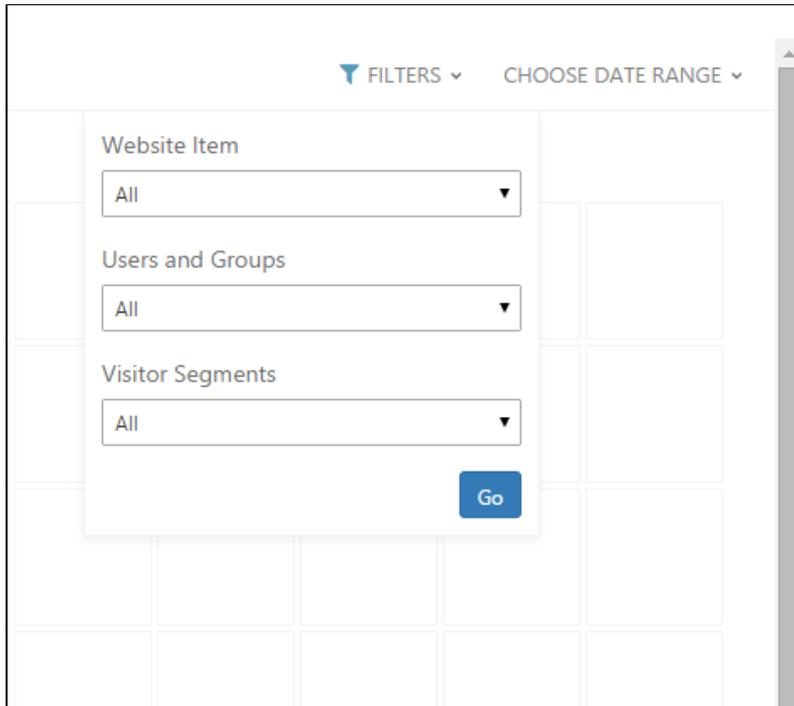
- **Share Menu**

- **Export to CSV** - Export the data to Microsoft Excel or other spreadsheet applications.
- **Distribution List** - Send the report to a distribution list.



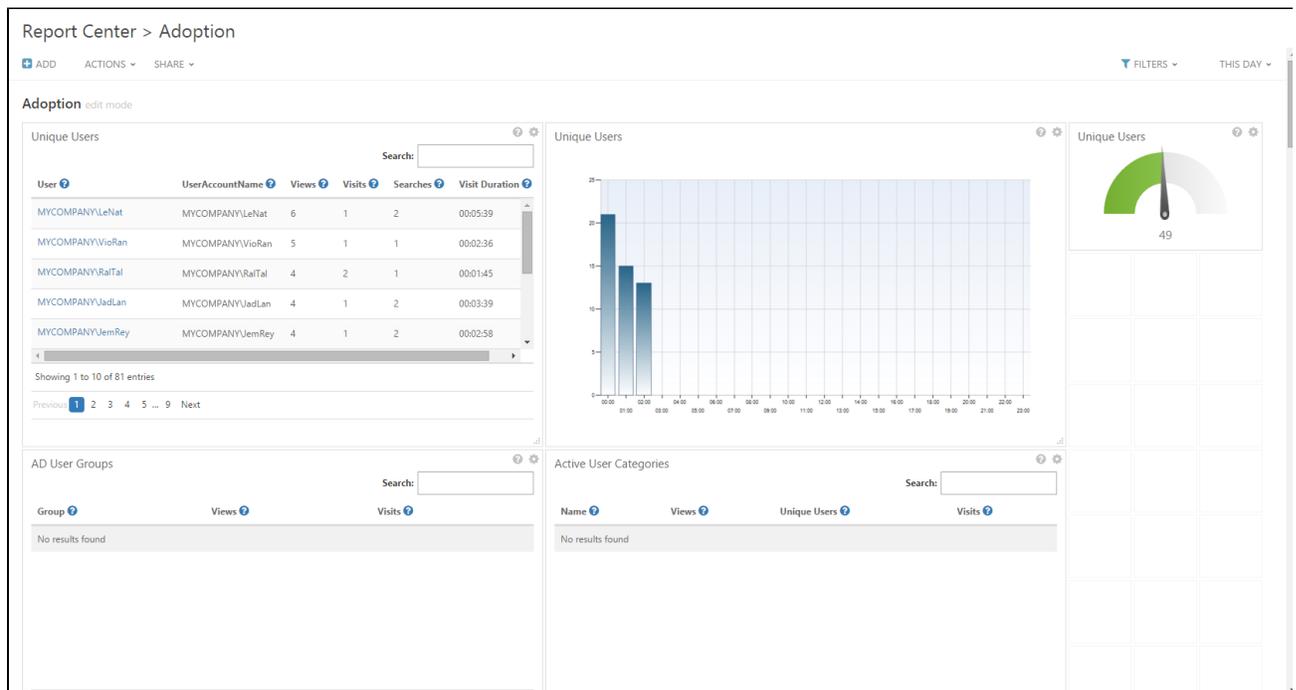
Share menu

The Filters menu allows you to limit the data displayed to specific pages, users or groups, or [visitor segments](#) for all widgets simultaneously. Alternatively, you may edit each widget's [filter preferences](#) individually to suit your needs.



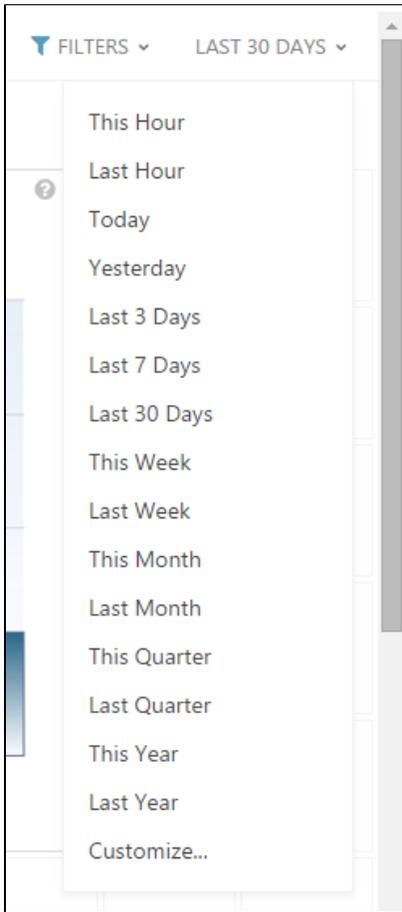
*Filters menu*

- After designing the report, you can create a static version with real time data (by selecting **Generate Report**), or wait until the report is automatically generated at the next scheduled interval. As long as there are no static versions for the report, it will be displayed in Edit Mode when selected from the Navigation Pane, assuming the current user has sufficient permissions. Otherwise, the latest static version will be displayed.



*A Static Report with Active Widgets*

- Edit the time frame for a static report by clicking the current **Time Range** menu on the top right of the report. Select the desired date range, or customize to highlight a specific period of time.



*Choose Date Range Menu*

### Customized Date Range ✕

Date Range (M/d/yyyy)

From  To

Time Interval:  ▼

◀ Previous month
Next month ▶

**September 2015**

S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

**October 2015**

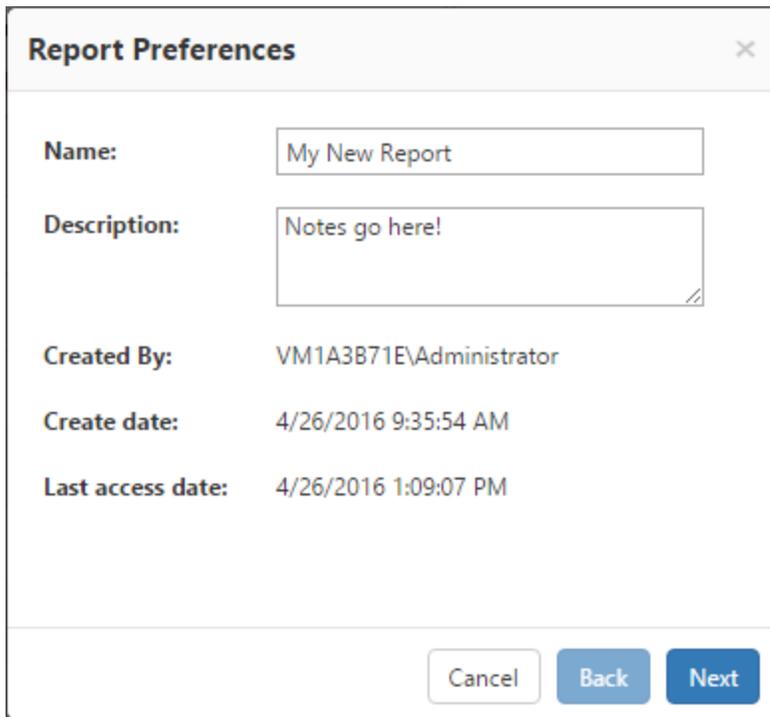
S	M	T	W	T	F	S
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

**November 2015**

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

*Customized Date Range*

7. To remove the report, including all previous versions click the report title in the Navigation Pane and select **Delete**. To remove only the previous versions of the report and associated data, select **Delete Historical Data**. The report's Historical Data refers to all prior report versions that have been saved. If a version exists for a selected date range, the original saved version is displayed, and no query is submitted to the database. This is in order to save system resources and streamline report generation.
8. Select **Properties** in report's contextual menu in the Navigation Pane to modify the report information. There are six property fields and the first three listed here may be edited at any time:
  - **Name:** The name of the report as it appears in the Navigation Pane and all further saved versions.
  - **Description:** An optional description of what the report contains, or notes.
  - **Scheduling:** You may change between scheduled or Ad-Hoc report generation at any time. If a new report schedule is chosen, the report will be refreshed at the next relevant scheduled interval, not immediately.
  - **Created By:** The username of the person who originally created the report
  - **Create Date:** The date and time the report was originally created
  - **Last Access Date:** The most recent time and date that the report was opened or viewed in CardioLog.



The image shows a 'Report Preferences' dialog box with a close button (X) in the top right corner. It contains the following fields and values:

<b>Name:</b>	My New Report
<b>Description:</b>	Notes go here!
<b>Created By:</b>	VM1A3B71E\Administrator
<b>Create date:</b>	4/26/2016 9:35:54 AM
<b>Last access date:</b>	4/26/2016 1:09:07 PM

At the bottom right, there are three buttons: 'Cancel', 'Back', and 'Next'.

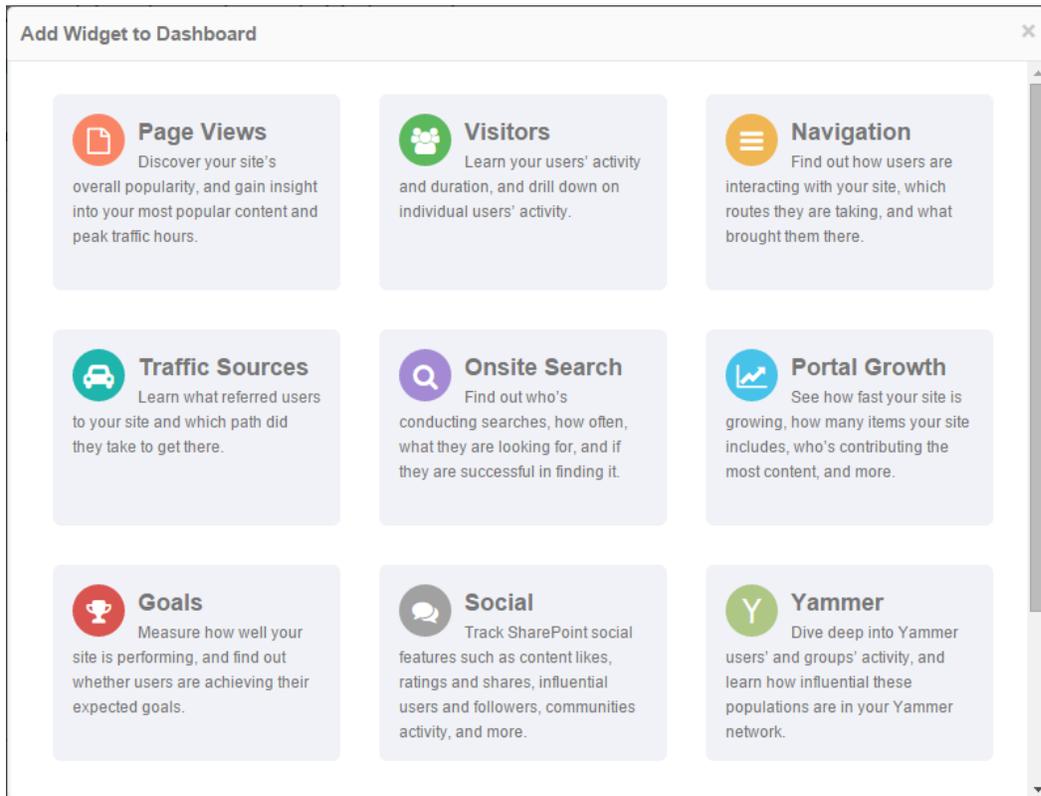
*Report Properties*

9. Select **Permissions** to edit who may view, edit or modify the report as [described below](#).
10. Select **Browse** in the report's contextual menu in the Navigation Pane to view the report isolated in a new window, without the CardioLog scheme. Browse is only available after at least one report has been generated.

## How to Edit Report Widgets

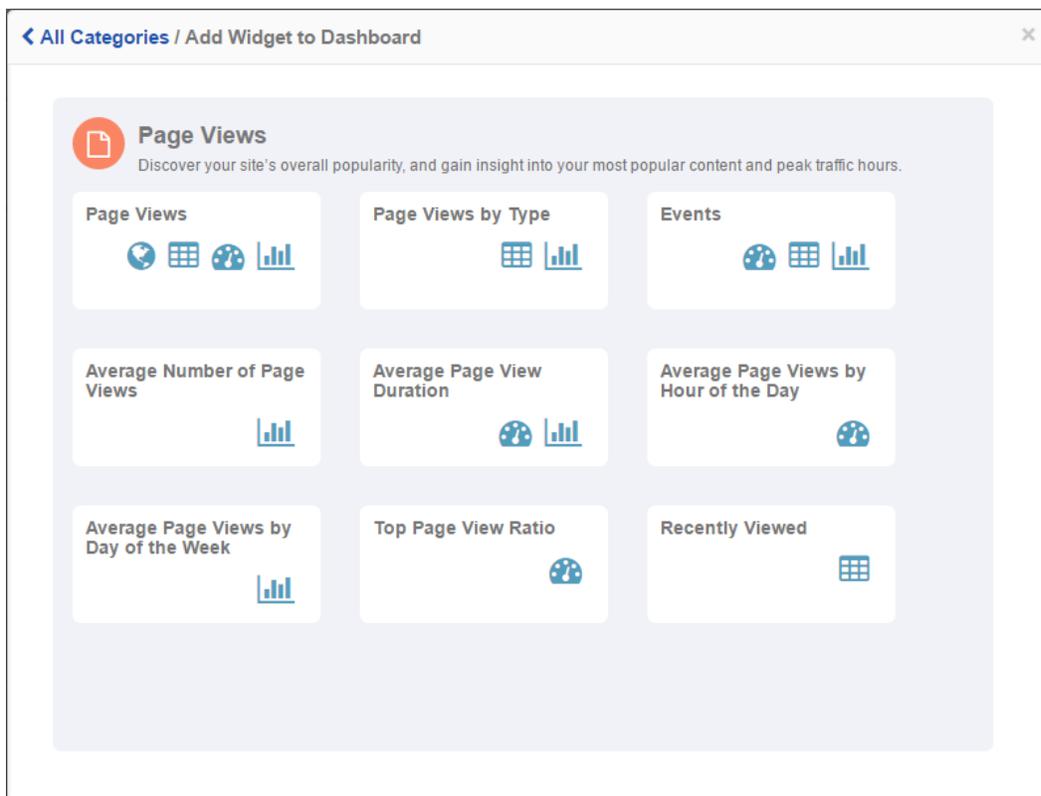
Once a report exists in your CardioLog Report Center, you may continue to edit it whenever you see fit without affecting data collection or previous report data. The latest version of CardioLog allows you to easily drag and drop widgets within a report. expand and shrink charts, tables and maps, and simply click to add new widgets exactly where you would like them in a report. Visualizing your data is dynamic and intuitive.

1. To add a new widget, click any blank area of the report where a plus sign appears as you hover your cursor over the central area, or click **Add** at the top of the Central Area Toolbar and select a widget category.



*Add Widget Dialogue*

- Click the category type you'd like and you'll be presented with a list of all available widgets in the category. Click on the icon of the available widget type you'd like: map, chart, meter or table. The new widget will now appear in your report. To add more widgets, repeat these two steps.



*Page Views Widget Category*

- Once a widget is available in your report, you can edit all filters and time ranges for each widget separately from the whole report as long as the report is in Edit mode.
- Click on the title of a widget to move the whole widget to any part of the report's display, and to rearrange the presentation of the report.
- You can click on the right-side or bottom border of any chart, table or map widget to resize it to a comfortable view. This is especially helpful for charts and tables depending on the type and amount of information presented.
- In addition to full report export options described further below, you can also export individual widget data to a CSV file. Simply click on the setting gear in the upper right corner of any widget and select **Export to CSV**. A CSV will be downloaded to your browser's default download location.

## Tips for Efficient Report Creation

The amount of resources needed for report processing depends on the number of scheduled reports, the number of database queries for each report and the timeframe selected for the reports (reports for 365 days require more resources than reports for 30 days). To ensure optimal operation, make sure you follow these recommendations:

- Number of Queries (Widgets) per Report** - Limit the number of widgets in a report to a maximum of 6.
- Number of Results (Rows) per Query** - Display only the top 100 rows in tables.
- Report Filters** - Define a black list rule when possible and avoid using the exclude (!) condition in the report filters.
- Report Scheduling Type** - Make sure that the report scheduling type (daily/weekly/monthly) is in correspondence to the report date range, for example:  
When a report's date range is "Last Month", schedule it to run once a month.  
When a report's date range is "Last 30 Days", schedule it to run once a day.
- Report Type ("By URL" Widgets)** - Avoid using the "By URL" widgets (for example - "Events" (Page Views by URL) unless needed. When creating a report for a web site, search the website in Object Explorer (Analysis Center), and use the appropriate tree item as the source of your report.  
Use the "By URL" reports only for:
  - Web sites which do not exist in Object Explorer
  - Retrieving URL Parameters in the report
  - Tracking banner and button clicks
  - Tracking custom events
- Number of Scheduled Reports** - Delete unused scheduled reports. Use the CardioLog Analysis Center for real time queries or to create an Ad-Hoc report and generate it manually on demand.

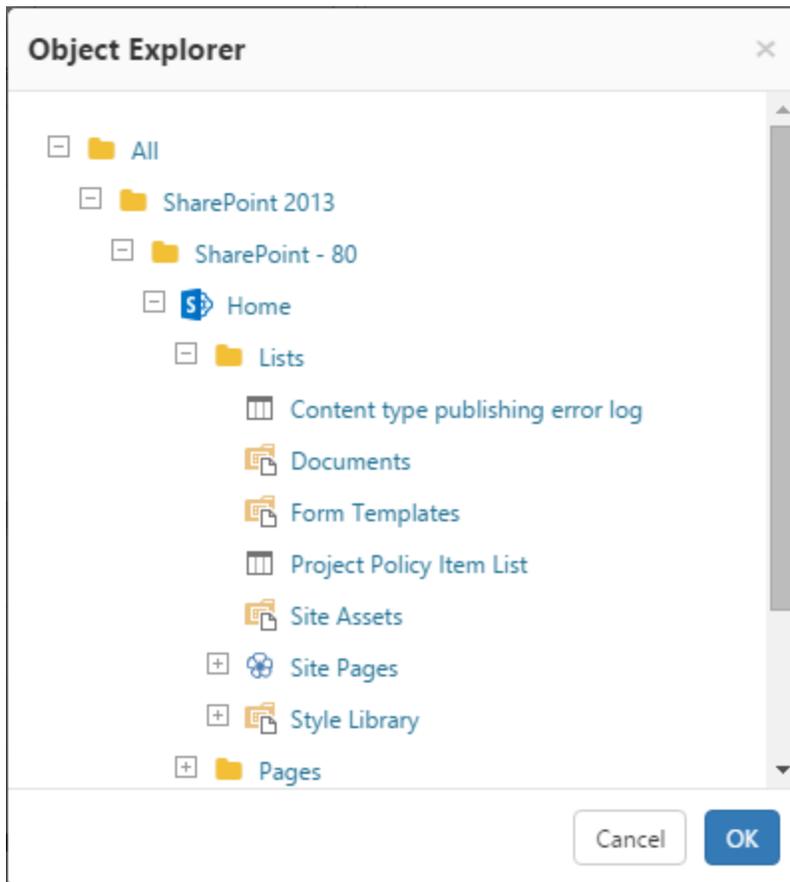
## How to Copy a Report

This useful feature allows you to copy an existing report and attach a Website Item from the Object Explorer.

- On the Navigation pane, under Report Center, click a report from the Reports tree and select **Copy**.

*Copy report dialogue*

- In order to include a Website Item, select the ellipses on the right to open the Object Explorer

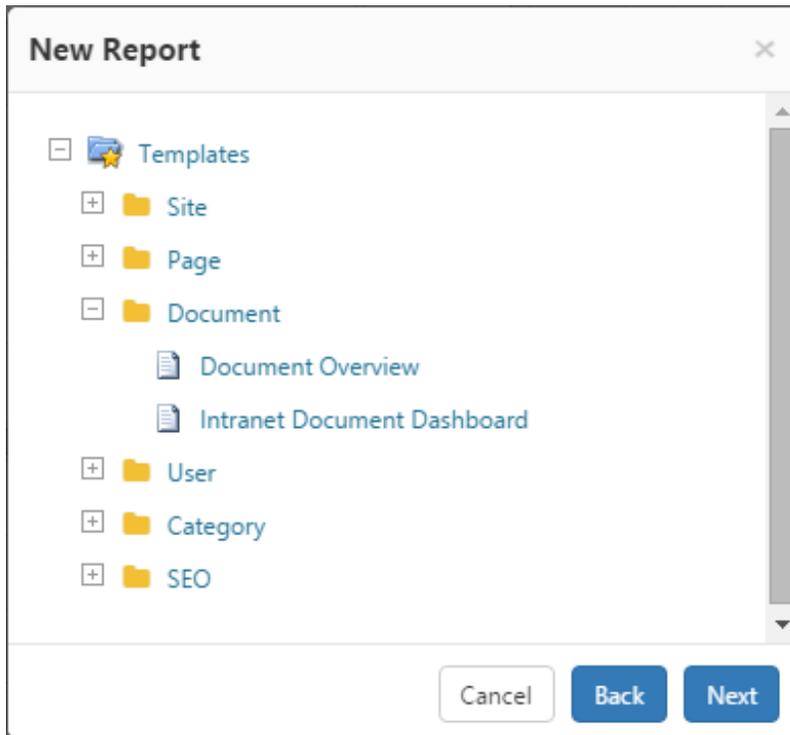


*Object Explorer*

3. To change the location where the report copy will be saved, click the ellipses to the right of the Folder text box.
4. Click **OK** to save your copy.
5. The copied report will now appear in the Navigation Pane, in the folder you have chosen.

## How to Create a Report Based On A Template

1. In the Navigation Pane under Report Center, click a folder in the Reports tree and select New Report from the contextual menu.
2. In the New Report dialog, select the New Report From Template option and click Next.
3. Select the Report Template you would like to use in the Report tree.
4. Continue with the new report creation steps as described above in [How to Create a New Report](#). For more information see "[Report Templates](#)."



*New Report Template browser*

## How to Set Permissions for a Report

Permissions are available in CardioLog installations which include integration with Active Directory.

You can set view, edit (Edit Mode), modify (properties and permissions) and remove (delete) for a specific report for any user or group in Active Directory. By default, the report creator has full control permissions, while view permissions are given to everyone. Additionally, Users and groups can be added, and deleted. Members who have been granted access can also modify existing permissions.

1. In the Navigation pane, under Report Center, click a report from the Reports tree and select **Permissions**.
2. In the Permissions dialog, select the desired permissions for the listed users by activating or deactivating the check boxes. User permissions precede group permissions. To assign permissions for all users, use the default "All" group

**Report Permissions** ×

Permissions for Adoption

Display Name	View	Edit	Modify	Remove
<input type="checkbox"/> All	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> INTLOCK-QA\Administrator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

*Permissions window*

- To add a user or group, select **Add** and search for the desired user or group. Click OK to confirm your choice

**Select Users and Groups** ×

Name:

Search Results:

*Users and Groups search window*

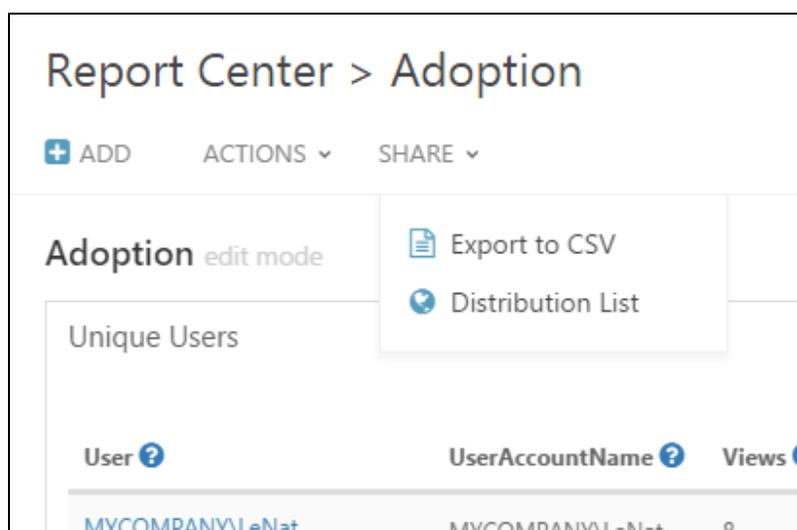
- To remove user(s) or group(s), select the check box on the left next to the user or group you would like to no longer access the report and then click **Remove**.

5. Click **Save** to save the permissions.

## How to Export a Report to Excel and Other Spreadsheet Applications

You can export a report to CSV file format, which can then be read by most spreadsheet applications. Unlike other file types, you may export a report that is actively being edited, or has not been generated yet.

1. Click **Export to CSV** from the Share menu.



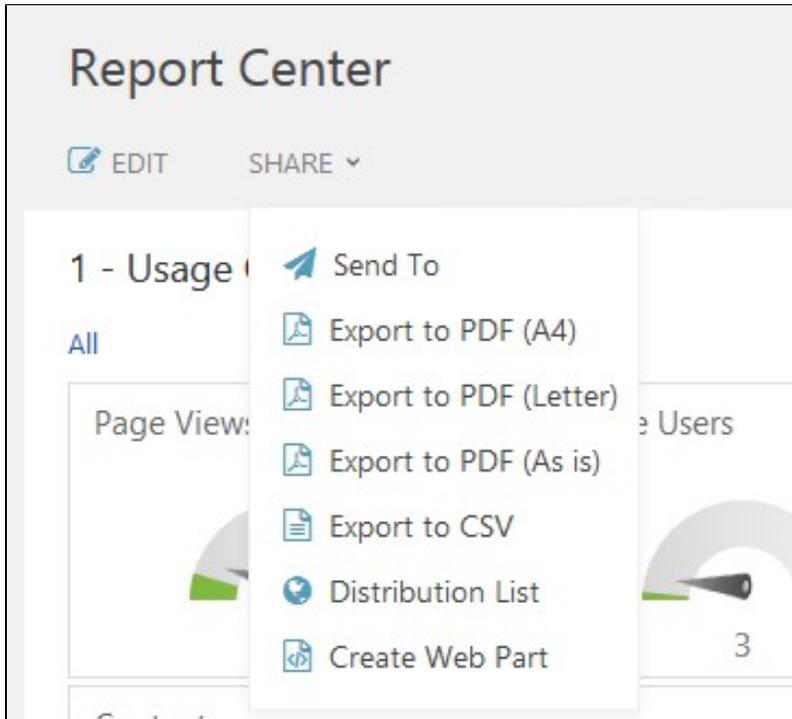
*Share menu in Edit mode*

2. The report will be downloaded to your default downloads location.

## How to Export a Report to PDF

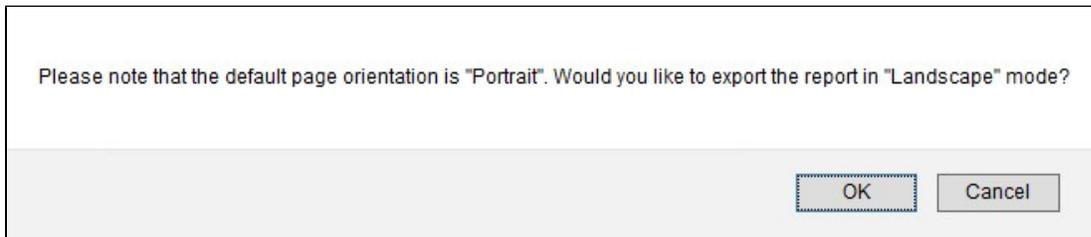
You can export a report from the Report Center to PDF format. The report must be in View Mode. Click Generate Report from the Actions menu if a Static Report does not exist yet.

1. When the report is in View Mode, you will have 3 options to **Export to PDF** from the Share menu.



Share menu in View mode

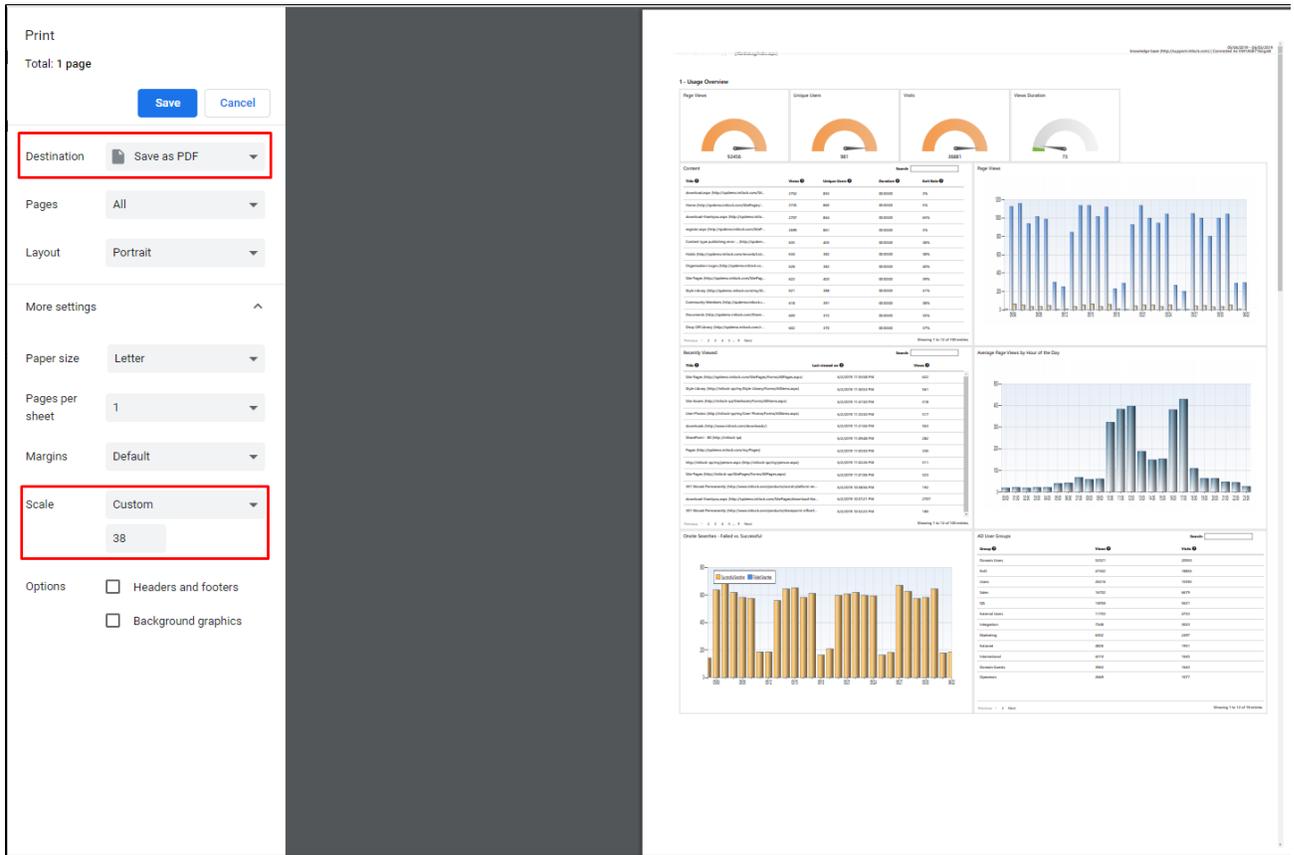
- **Export to PDF (A4)** - the report will be saved as a PDF file with page size A4.
  - **Export to PDF (Letter)** - the report will be saved as a PDF file with page size Letter.
  - **Export to PDF (As is)** - the report will be saved as a PDF file with a custom page size (report dashboard size).
2. When selecting **Export to PDF (A4)** or **Export to PDF (Letter)**, you will be able to select the page orientation - Portrait or Landscape.



3. The report will be downloaded to your default downloads location.

You can also control the report layout by printing the report and saving it as PDF:

1. On the Navigation pane, under Report Center, click the report from the Reports tree and select **Browse**. If the **Browse** option is grayed out, select **Open** and click **Generate Report** from the Actions menu, to generate a static report.
2. In the new report window, open the browser settings menu and select **Print**.
3. In the Print Preview window, open the advanced settings and edit the scale options in order to shrink the report layout to fit the page.
4. Choose **Save as PDF** in the printer destination.



Example - Print settings in Chrome

## How to Send a Report via Email

You can send an email with a unique link to the report, with the data in the report automatically refreshed. Alternatively you can send an email with current data as a PDF or CSV file. The report must be in View Mode. Click Generate Report from the Actions menu if a Static Report does not exist yet.

1. When the report is in View Mode, click **Send To** from the Share menu.
2. In the new email window, enter an email address
3. Choose how you would like your recipient to view the report and click **OK**.

### Email

Enter recipient email address:

**Send link to the report.**  
 **Send report as PDF attachment.**  
 **Send report as CSV attachment.**

Send Email window

## How to Set an Email Distribution List for a Scheduled Report

Once a new non ad-hoc report is created, an automated email can be sent to a predefined distribution list. This email includes a unique link, a PDF file or CSV file attachment with the most recent report data. The email may be sent to the distribution list monthly, weekly or daily, according to the report's scheduling preference.

1. Open a report in View Mode and select **Distribution List** from the **SHARE** menu.
2. Enter an email address in the text box and click the **Add** button to add the address to the distribution list.
3. Add any additional email addresses you would like to include.
4. Click **Save**.

**Distribution List**

Enter recipient email address:

Search

Add

abram.cass@MYCOMPANY.com  
sally.johnson@MYCOMPANY.com  
betty.charlton@MYCOMPANY.com  
elizabeth.kendal@MYCOMPANY.com

Remove

Send link to the report.  
 Send report as PDF attachment.  
 Send report as CSV attachment.

Cancel Save

*Distribution List Dialogue*

## How to Export a Report as a Microsoft SharePoint Web Part

A web part is a component which displays data in a Microsoft SharePoint Portal. You can create a web part that displays a report from Report Center and add it to any page in the portal. The web part will automatically maintain the report's most recent data according to the report's scheduling preferences.

1. Confirm the report is in View Mode.
2. Click Generate Report from the Actions menu if at least one Static Report does not exist yet. Click **Create Web Part** from the **Share** menu.
3. The report will be downloaded as a DWP file to your browser's default downloads location.
4. You can now add the dynamic Dashboard Web Part to your SharePoint web site.

The screenshot shows a SharePoint 'Webpart Page' with a 'Page Views Webpart'. The webpart displays a table of page views with the following data:

Title	Views	Unique Users	Duration	Exit Rate
personcontent	16	10	00:00:00	19%
Photos	15	10	00:00:00	7%
MicroFeed	12	8	00:00:00	17%
Ori Librery	12	8	00:00:00	25%
How To Use This Library.aspx	12	10	00:00:00	42%
Images	12	8	00:00:00	25%
collaboration > project site	11	7	00:00:00	18%
Documents	11	9	00:00:00	9%

The table includes a search bar at the top right and a pagination control at the bottom left showing 'Showing 1 to 10 of 100 entries'. To the right of the table is a bar chart titled 'Page Views' showing the distribution of views across different pages.

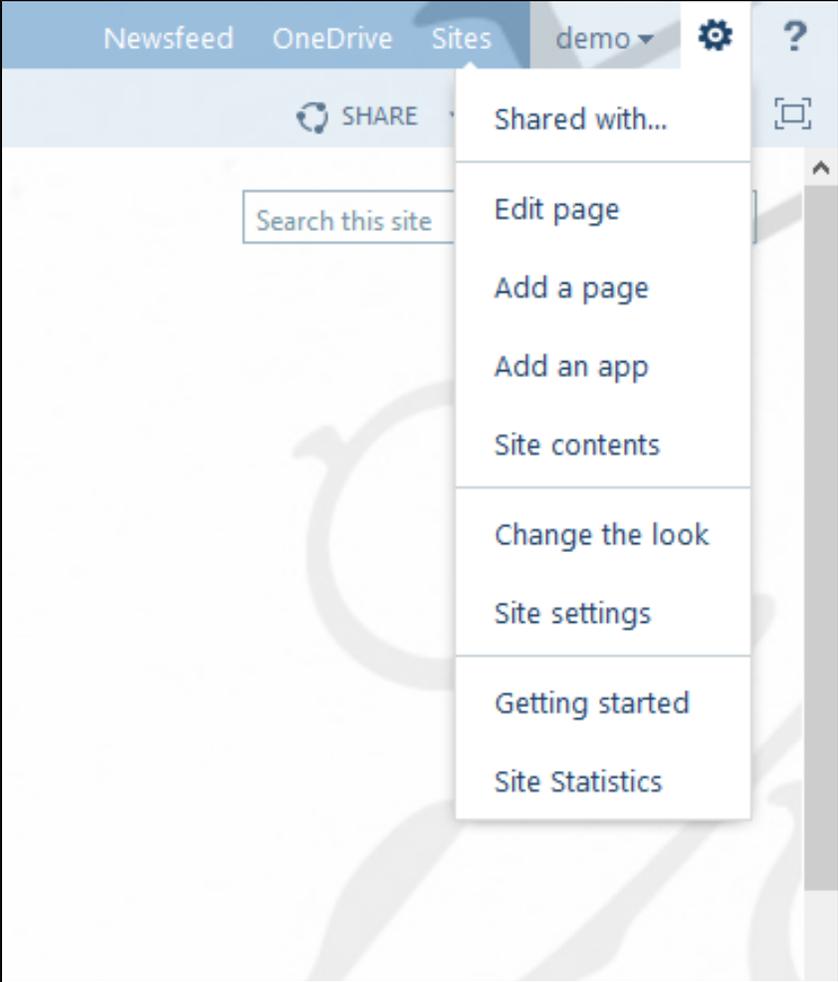
Page Views Webpart displayed on a SharePoint site

## How to View a Report from SharePoint's Site Actions Menu

To view usage reports from within your [SharePoint portal](#), via the "Site Actions" menu, install our [CardioLog Usage Reports SharePoint Feature](#). The site action feature can be deployed on the entire farm or for specific web applications.

The CardioLog Usage Reports SharePoint Feature allows you to access CardioLog report templates directly from your SharePoint portal.

1. The CardioLog system administrator must first create and publish [report templates](#). These templates will then be available from all SharePoint portal pages.
2. Once logged into the SharePoint portal, click the Site Actions settings gear to access the page options. By default, the logged in user requires SharePoint view permissions to see the report.
3. Click **Site Statistics** to generate a usage report for your page. The report will open in a new browser tab or window depending on your local preferences.
4. Select the desired report template and date range in order to run a relevant usage report for the page you are visiting.



*CardioLog Site Statistics SharePoint Menu Item*