

Report Builder

i This feature requires a **CommCare Software Plan**

This feature (Report Builder) is only available to CommCare users with on a **Pro Plan** or higher. This will provide access to 5 reports. To add more reports, please contact support@dimagi.com, and we'll loop in our sales team to discuss your reporting needs further.

Report Builder Overview

The report builder is a tool for CommCareHQ users to build basic web-based reports based on the data collected in their project's applications. Unlike CommCare's [Worker Monitoring Reports](#), the reports built with this tool are specifically tailored to data collected in your project and can be configured by anyone with access to the reports section of CommCareHQ.

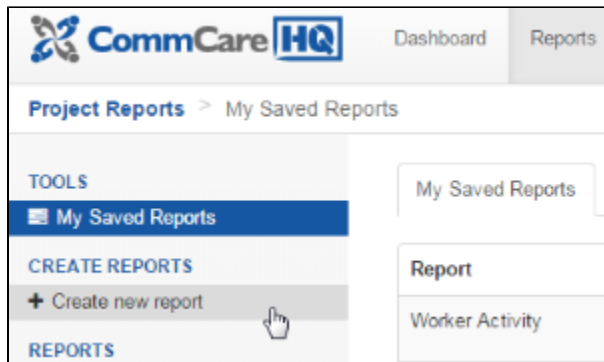
There are three types:

Report Type	Description
List	This is a table with a basic list of data (either a list of forms or cases)
Summary	This is a report that contains summarized data based on a chosen case property or form question (i.e. data aggregated by mobile worker or by region). <i>You can add a bar or pie chart to this report.</i>
Map	This will allow you to display a list of cases or forms and plot their location on a map.

General Steps to Building a Report


1: Select a Data Source

Go to the **Reports** tab in CommCareHQ and choose **+ Create new report** (if you do not see this option, make sure that your subscription is active in the [Project Space Settings](#))





Choose your report's name and data source. The name can be anything you want - but should be descriptive since this is the name that will show up on CommCareHQ on the list of reports. Each report is based on either a case or a form data source. Select the general type of data you want to use (form or case) and then drill down to the exact case type or specific form that you want to use as the basis for your report.


List Report

Report name*  My First Report

Data

Type of Data*  Case

Application*  Child Monitoring

Data Source*  child


Next


2: Configure the report

You can now configure your report and get a live preview of your report! The relevant configurations areas are highlighted below:

Report Name and Description:

Set a name and description for the report by clicking the Edit pencil next to each text field.

Report Builder Demo 

Enter report description here 

Report Type:

Choose the type of report you'd like (a list of records, a summary or a map).

Type of Report

☰ Case List ▼ Case Summary 📍 Map




Indicators:


Add indicators to your report by choosing a case property or form question and then clicking on the blue + button. Drag and drop properties to re-order them.

If you have a summary report, you will also see a "Format" column. The options here are:

- Group By: This will summarize that particular property (creating one row for each unique value of that property).
- Count Per Choice: This will create one column for each unique value of the property. For example, if you have a Yes / No question, this will create two columns, a Yes column and a No column. Each column will contain the number of forms / cases that had that particular answer.
- Sum: This will sum up the answers for that column
- Average: This will average the answers for that column

Indicators

PROPERTY	LABEL	FORMAT	
health_worker	health worker	Group By	
tetanus_1_received	tetanus 1 received	Sum	
tetanus_2_received	tetanus 2 received	Sum	

Select a case pro... 

User Filters:

This section will let you add filters that can be used when viewing the report. Choose "+ Add User Filter" and then choose the column you want to filter on. The format column will control how the filter appears - Choice filters will let you choose one of the possible values of the property, Date filters will let you choose a date range.

The screenshot shows the 'User Filters' configuration panel. It contains a list of filters with columns for PROPERTY, LABEL, and FORMAT. Two filters are currently added: 'Case Closed' with label 'Closed' and format 'Choice', and 'Case Owner' with label 'Case Owner' and format 'Choice'. Each filter has a red 'X' icon to remove it. At the bottom, there is a '+ Add User Filter' button.

Default Filters:

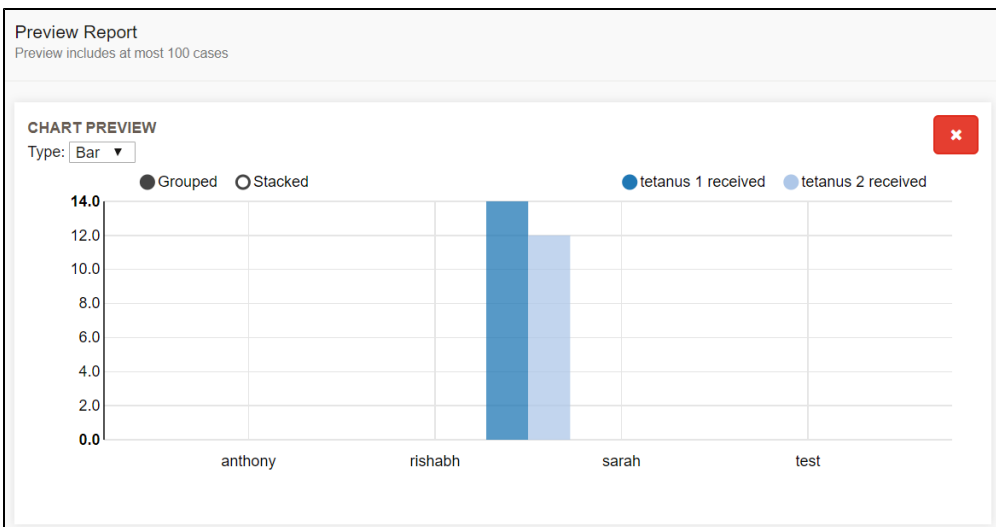
Default filters are always applied to the report (so that users don't need to manually apply the filters). For example, you may add a default filter so that only open cases are shown in the report. The Date format will let you automatically filter the report to default date ranges (i.e. the previous month or the last 7 days).

The screenshot shows the 'Default Filters' configuration panel. It contains a list of filters with columns for PROPERTY, FORMAT, and FILTER VALUE. One filter is currently added: 'Case Closed' with format 'Value' and filter value 'false'. Each filter has a red 'X' icon to remove it. At the bottom, there is a '+ Add Default Filter' button.

Adding Charts:

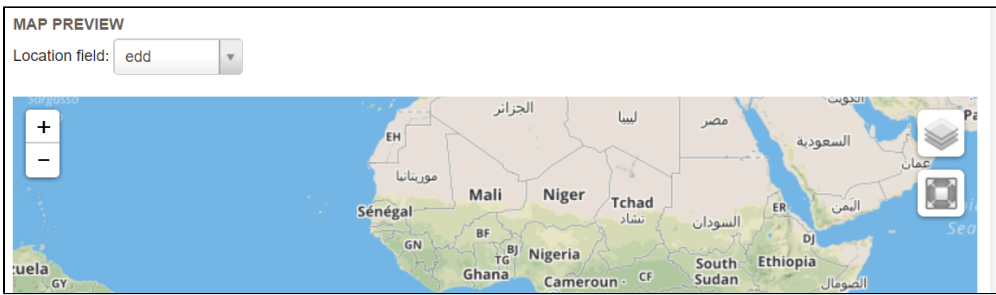
If you are building a Summary report, you can also add a chart. The chart types are "Bar" and "Pie". Bar charts will show one bar per each column that is summed or averaged. Pie charts will show the breakdown of the first column that is summed or averaged.

The screenshot shows a 'Preview Report' interface with the text 'Preview includes at most 100 cases'. Below this text is a blue button labeled 'Add Chart'.



Location:

If you are building a Map report, you also need to choose a location field. This is the field that contains the GPS location that you want to plot (the GPS location can be captured manually in a form or through [Automatic GPS Capture](#).)



4: Test out the report

Click "View Report" to actually view and use the report.

Report Filters

Case Status:

Ownername:

My First Report

Child Name
Fg
Marco
Marianne
Rani
Ritu

You can always edit the report by clicking on the blue edit button on the top right of the report.

Notes and Limitations

- Most Report Builder reports can be saved and emailed like regular reports
 - Chart type reports will not send the pie chart or bar chart in the email
- It is not currently possible to directly export reports; however if you save and set them to be emailed reports then you can include a Excel version in the emailed reports
- Multiple languages are not currently supported in report builder reports
- Multiple choice lookup table question types are not supported in report builder reports