

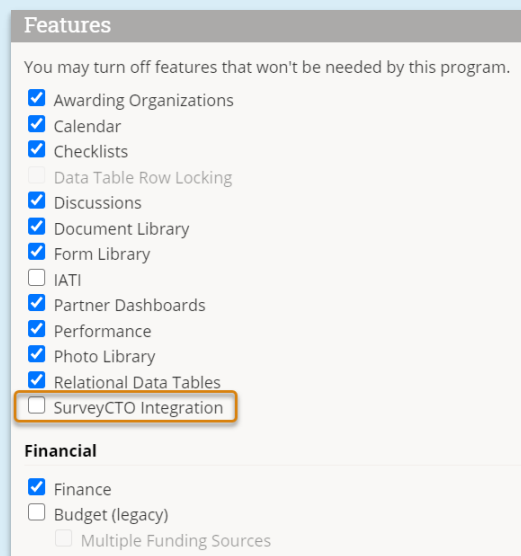
# Import Data From SurveyCTO

Last Modified on 09/18/2023 8:55 am EDT

DevResults integrates fully with **SurveyCTO**, a mobile data collection tool. Surveys in SurveyCTO can be imported to DevResults as a data table. In this article:

- **Create a data table and import SurveyCTO data**
- **Refresh an existing table with SurveyCTO data**
- **Set up automatic import of data from SurveyCTO to DevResults**
- **Edit information in a SurveyCTO-linked DevResults data table**

**Note:** To enable the SurveyCTO integration, a site owner must go to **Administration > Settings** and enable **SurveyCTO integration** from the list of available features.



**Features**

You may turn off features that won't be needed by this program.

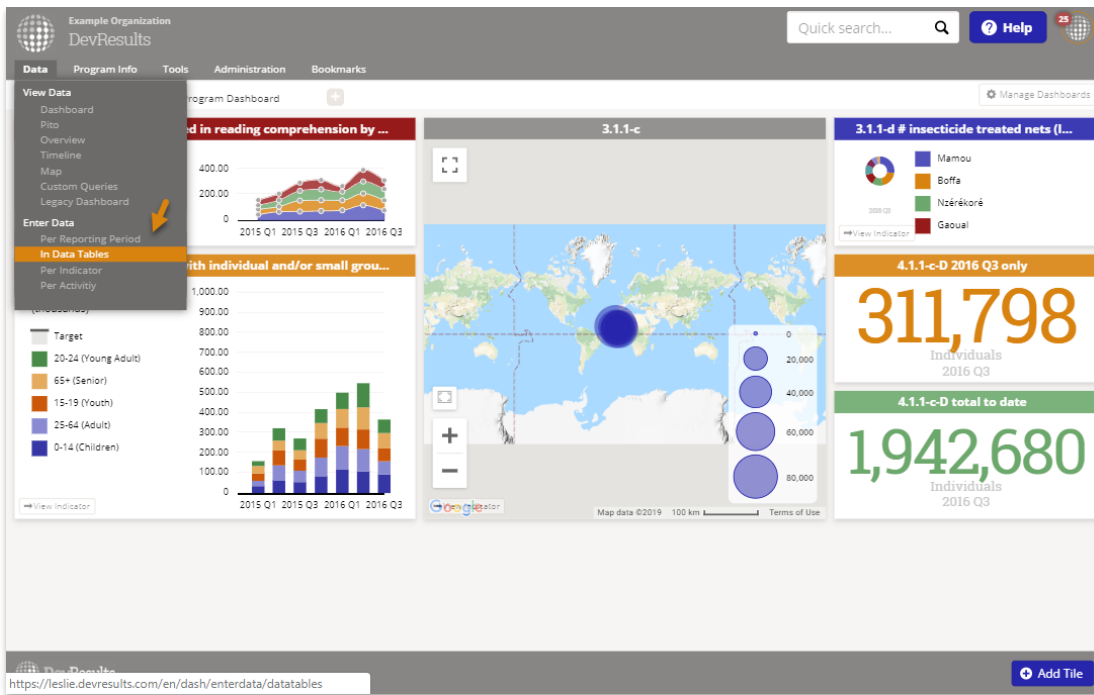
- Awarding Organizations
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- Checklists
- Data Table Row Locking
- Discussions
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- SurveyCTO Integration

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## Create data table

From any page on DevResults, go to **Data > In Data Tables**. (You can also find the same page under **Program Info > Data Tables**.)



Click **(+)** **New Data Table**, name the table, and select **Import from SurveyCTO**. Then click **Next**.

The screenshot shows the 'Create New Data Table' dialog box in the DevResults interface. The 'Name' field contains 'Household data'. Under 'Data Source', three radio buttons are visible: 'Design the table manually', 'Upload an example', and 'Import from SurveyCTO', with the third option selected. A 'Next' button is highlighted in blue. The background shows a table of existing data tables.

Name	Count	Fields
Cecilia - Survey Responses	997	Activity, Location, Date of service, Patient ID number, HIV Status, Sex, Age
Gross Margins for Crops	11	Date, Surveyed, Gender, Location, Activity
Jane - Survey Responses	37	Activity, Date, Location, Name, Sex
PwP interventions log	3	Trainee ID, Trainee Sex, Trainee Age, Training Date, Trainee Location, Trainee Passed?, Activity, Color

You will now be prompted to enter information on the SurveyCTO form you would like to connect to.

You will need to enter the **server** name (this is the prefix to your SurveyCTO URL as shown in the example below), the **Form ID** (the name of the SurveyCTO form you want to link to), as well as your **SurveyCTO email and password**. If you're unsure about any of these fields, please refer to [SurveyCTO's documentation](#) and then reach out to us at [help@devresults.com](mailto:help@devresults.com).

### Create New Data Table

Server

Form ID

Email

Password 
  
\* DevResults will not store your password
  
[Need help connecting to SurveyCTO?](#)

Once you've entered this information, click **Next**.

You can now configure the titles and types of columns you want to import, de-select fields you don't want to import, and choose to either create the table and import data or create the table without importing data.

### Create New Data Table

Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?	Import field?
CompletionDate	SubmissionDate	starttime	endtime	username	duration	enumerator_team	enumerator	province	district	gps_location	consent	respondent_name	address					
Date	Date	Date	Date	Other Text	Number	Other Text	Other Text	Other Text	Other Text	Other Text	Number	Other Text	Other Text	Whole				
Dec 2, 2016 9:07:15 AM	Feb 4, 2017 8:11:19 AM	Dec 2, 2016 9:03:00 AM	Dec 2, 2016 9:07:15 AM	eastern_team	255	eastern	Johanna_Moyo	Manicaland	Mutare	-18.994626 32.380355 0.0 0.0	1	Shelene Godfrey	72 Tor					
Dec 2, 2016 9:40:28 AM	Feb 4, 2017 8:11:50 AM	Dec 2, 2016 9:35:00 AM	Dec 2, 2016 9:40:28 AM	eastern_team	328	eastern	Johanna_Moyo	Manicaland	Mutare	-18.844307 32.617282 0.0 0.0	1	Unathi Emerald	94 Chi					
Dec 2, 2016 9:43:06 AM	Feb 4, 2017 8:11:21 AM	Dec 2, 2016 9:41:00 AM	Dec 2, 2016 9:43:06 AM	eastern_team	126	eastern	Mercy_Wadzani	Manicaland	Mutare	-18.871559 32.57812 0.0 0.0	0							
Dec 2, 2016 9:50:28 AM	Feb 4, 2017 8:11:19 AM	Dec 2, 2016 9:45:00 AM	Dec 2, 2016 9:50:28 AM	eastern_team	328	eastern	Rajice_Simelinkosi	Manicaland	Chimanimani	-19.791929 32.883911 0.0 0.0	1	Wadzani John	70 Tor					
Dec 2, 2016 9:51:31 AM	Feb 4, 2017 8:11:49 AM	Dec 2, 2016 9:46:00 AM	Dec 2, 2016 9:51:31 AM	eastern_team	331	eastern	Rajice_Simelinkosi	Manicaland	Chimanimani	-19.798137 32.88043 0.0 0.0	1	Ralie Farai	22 Tor					
Dec 2, 2016 9:52:41 AM	Feb 4, 2017 8:11:42 AM	Dec 2, 2016 9:49:00 AM	Dec 2, 2016 9:52:41 AM	eastern_team	281	eastern	Rajice_Simelinkosi	Manicaland	Chimanimani	-19.800563 32.878166 0.0 0.0	1	Tee Wellington	24 Hai					
Dec 2, 2016 9:52:58 AM	Feb 4, 2017 8:11:35 AM	Dec 2, 2016 9:49:00 AM	Dec 2, 2016 9:52:58 AM	eastern_team	238	eastern	Precious_Rutendo	Manicaland	Chimanimani	-19.812784 32.859427 0.0 0.0	1	Sheena Tendai	64 Chi					
Dec 2, 2016 10:00:50 AM	Feb 4, 2017 8:11:17 AM	Dec 2, 2016 9:55:00 AM	Dec 2, 2016 10:00:50 AM	eastern_team	350	eastern	Mercy_Wadzani	Manicaland	Mutare	-18.865121 32.596651 0.0 0.0	1	Ronald Mahini	40 Chi					
Dec 2, 2016 10:12:13 AM	Feb 4, 2017 8:11:39 AM	Dec 2, 2016 10:10:00 AM	Dec 2, 2016 10:12:13 AM	eastern_team	133	eastern	Rajice_Simelinkosi	Manicaland	Chimanimani	-19.805764 32.863596 0.0 0.0	0							
Dec 2, 2016 10:17:48 AM	Feb 4, 2017 8:11:26 AM	Dec 2, 2016 10:12:00 AM	Dec 2, 2016 10:17:48 AM	eastern_team	345	eastern	Precious_Rutendo	Manicaland	Chimanimani	-19.809862 32.858767 0.0 0.0	1	Chibi Tawanda	78 Ma					
Dec 2, 2016 10:19:25 AM	Feb 4, 2017 8:11:25 AM	Dec 2, 2016 10:16:00 AM	Dec 2, 2016 10:19:25 AM	eastern_team	205	eastern	Mercy_Wadzani	Manicaland	Mutare	-18.864496 32.594645 0.0 0.0	1	Nakai Anesu	33 Tor					
Dec 2, 2016 10:20:58 AM	Feb 4, 2017 8:11:46 AM	Dec 2, 2016 10:17:00 AM	Dec 2, 2016 10:20:58 AM	eastern_team	238	eastern	Mercy_Wadzani	Manicaland	Mutare	-18.871985 32.580137 0.0 0.0	1	Prosper Nyamude	17 Chi					
Dec 2, 2016 10:39:37 AM	Feb 4, 2017 8:11:32 AM	Dec 2, 2016 10:36:00 AM	Dec 2, 2016 10:39:37 AM	eastern_team	217	eastern	Johanna_Moyo	Manicaland	Mutare	-18.854806 32.615137 0.0 0.0	1	Shoyi Nu Luk	68 Chi					
Dec 2, 2016 10:49:37 AM	Feb 4, 2017 8:11:51 AM	Dec 2, 2016 10:46:00 AM	Dec 2, 2016 10:49:37 AM	eastern_team	97	eastern	Rajice_Simelinkosi	Manicaland	Chimanimani	-19.804091 32.862932 0.0 0.0	0							
Dec 2, 2016 10:51:12 AM	Feb 4, 2017 8:11:41 AM	Dec 2, 2016 10:49:00 AM	Dec 2, 2016 10:51:12 AM	eastern_team	132	eastern	Precious_Rutendo	Manicaland	Chimanimani	-19.797994 32.87309 0.0 0.0	0							

180 rows

Create table and import this data

Create table without importing the data

Click **(+) Create Data Table** to complete the import process.

## Refresh existing table

When new information has been collected on SurveyCTO, you can refresh the data table by clicking on the right-hand gear icon and clicking "Import from SurveyCTO."

Home > Program Info > Data Definitions > Data Tables > Household Survey

### Household Survey

Data **Design**

Search

	Key Value	ExternalKeyVal
<input type="checkbox"/>	1	uid:ef992969-2463-4222-846a-91718f45e119

- Import History
- Download table
- Download 1 filtered item
- Download empty template
- Import from SurveyCTO**
- Import data

DevResults does not store external passwords, so you will be prompted to enter your SurveyCTO password once again.

You will then be asked to review the new and updated rows of information before you can complete the import. Click **Import data** once you've reviewed the new information.

CompletionDate	SubmissionDate	starttime	endtime	username	duration	enumerator_team	enumerator	province	district	gps_location	consent	respondent_name
Nov 20, 2019 9:19:09 PM	Nov 20, 2019 9:19:09 PM	Nov 20, 2019 9:18:20 PM	Nov 20, 2019 9:19:09 PM	jeff@devresults.com	49	eastern	Precious_Rutendo	Mashonaland_Central	Moire	38.8834355-17.1005048 0.0 118.0	1	jeff

## Set up automatic import of data from SurveyCTO to DevResults

1. In DevResults, **create an API key** that will be used by SurveyCTO to log into DevResults. The key should belong to a permission group that has **View & Edit** permissions for the **Data Table Manager** role; sometimes it makes sense to create a group just for the new API Key. Take note of the "API Key" field (you do not need the "API Secret" field).

Home > Administration > API Keys > My SurveyCTO API Key

### My SurveyCTO API Key

API Key Details

Application Name: My SurveyCTO API Key

API Key: **F+EyN2zR+XSwrx2jUfFc**

API Secret: \*\*\*\*\*

Reset API Secret

Permissions

Group:  **Data Table Contributors**  
Users that can add and edit data in all data tables

2. In SurveyCTO, **create webhooks** for each table that you'd like to automatically update.

- Point the webhook at the relevant API endpoint for each table. You can find the API endpoint at the bottom of the **Design** tab for each SurveyCTO-linked data table. The format for the API endpoint is:

```
https://{site}.devresults.com/api/dynamictables/{dynamicTableID}/webhook
```

- For each table, select the fields/columns that should be published to DevResults (some or all of the table).
- For each webhook, add authorization. Use a JSON text summary and call it **DevResultsApiToken**. The value that you send is the API Key value from the first step.

Include hyperlink to submission details

Include text summary?

JSON element name for text summary:  
DevResultsApiToken

JSON text:  
F+EyN2zR+XSwrx2jUfFc

Include \${fieldname} references to dynamically include field data in the text summary.

Embed binary fields?  
If not embedded, binary fields will be published as hyperlinks.

Cancel Save

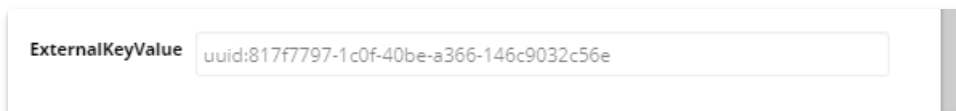
Currently, SurveyCTO is not able to send any error messages if something is incorrect, so if the data does not import as expected, please reach out to us at [help@devresults.com](mailto:help@devresults.com) and we will investigate.

## Edit information in a SurveyCTO-linked DevResults data table

You may add/import, edit, or delete data in a SurveyCTO-linked data table just as you would any other data table. You may also add, edit, delete, or reorder columns, though any changes you make will not automatically synchronize with SurveyCTO.

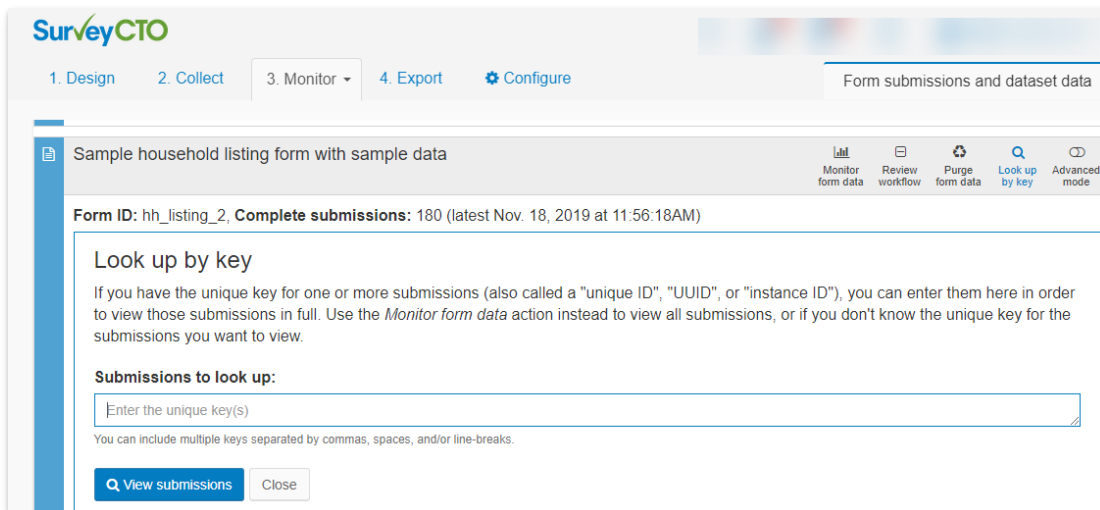
**Note:** Changes made to the data as well as the structure of a SurveyCTO-linked data table will not be replicated or automatically synchronized with the survey or data in SurveyCTO. Instead, you should only make changes in DevResults to reflect changes that you have already enacted in your SurveyCTO server. When adding a new column to a SurveyCTO-linked data table, be sure to list the name of the SurveyCTO field in the **External Field** column on the DevResults data table design tab.

Each row of SurveyCTO data in DevResults is associated with both a DevResults Key/Value and a SurveyCTO **ExternalKey/Value**. This ExternalKey/Value will let you identify the same row of data in DevResults and SurveyCTO.



A screenshot of a text input field labeled "ExternalKey/Value". The field contains the text "uuid:817f7797-1c0f-40be-a366-146c9032c56e".

You can look up specific rows in SurveyCTO by clicking on the **Monitor** tab, and selecting "**Look up by key**" for your form.



The screenshot shows the SurveyCTO web interface. At the top, there are navigation tabs: "1. Design", "2. Collect", "3. Monitor" (selected), "4. Export", and "Configure". Below the tabs, the page title is "Sample household listing form with sample data". On the right side, there are icons for "Monitor form data", "Review workflow", "Purge form data", "Look up by key" (highlighted), and "Advanced mode". The main content area displays "Form ID: hh\_listing\_2, Complete submissions: 180 (latest Nov. 18, 2019 at 11:56:18AM)". A dialog box titled "Look up by key" is open, containing the following text: "If you have the unique key for one or more submissions (also called a 'unique ID', 'UUID', or 'instance ID'), you can enter them here in order to view those submissions in full. Use the *Monitor form data* action instead to view all submissions, or if you don't know the unique key for the submissions you want to view." Below this text is a section labeled "Submissions to look up:" with a text input field containing the placeholder "Enter the unique key(s)". A note below the input field states: "You can include multiple keys separated by commas, spaces, and/or line-breaks." At the bottom of the dialog are two buttons: "View submissions" and "Close".

Didn't answer your question? Please email us at [help@devresults.com](mailto:help@devresults.com).

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