ABC Data Collector

User Guide

Overview

ABC Data Collector provides a fast and simple way to track **A**ntecedents, **B**ehaviors, and **C**onsequences on your PC or mobile phone.

- Setup one or more persons to observe.
- Customize Antecedents, Behaviors, Consequences, and Locations by Observed.
- Save the date, time, duration, intensity, location, description, and ABCs for behavior incidents to allow for analysis of trends.
- Export incident log to Excel to share with a behavioralist or leverage its advanced analytical capability.
- Export customized data entry sheets to share with teachers and others who interact with the observed.

In ABC Data Collector an Observed is the person for whom you want to track ABC data. ABC Data Collector requires at least one Observed. All users have access to all Observed.

An Incident captures the relevant Antecedents, Behaviors, and Consequences as well as date and time. It also allows for intensity, duration, location and a description of the Incident.

Incidents are logged by date and time.

Each Observed is setup with a default set of Antecedents, Behaviors, Consequences, and Locations. These can be modified within the application to create a custom list for that Observed.

This version of ABC Data Collector is meant to run on a local network, most likely within a household. It can be accessed by any computer or phone on that network.

ABC Data Collector is accessed through your web browser, most likely from http://localhost:8345. Running as a web application allows you to access it from any computer or phone on your home's local network. If you do not have a local network, then you access it only from the computer on which it is running.

Setup

When you first access ABC Data Collector you must provide two pieces of information – your Start Page and the name(s) of who is being Observed. There is nothing you must do to make this happen. The application recognizes it needs these and will ask. Once they are provided, it won't ask you for them again.

Choose what page that appears when you access ABC Data Collector. Then click 'Next'.

Start Page

Choose what page opens when you access ABC Data Collector.
Choosing 'Incident Entry' is recommended if your primary activity is logging an incident.
You can change this later in 'Settings'.

- ● Incident Entry
- ○ Dashboard
- ○ Incident Log

Next

Provide the name of an Observed. You can provide as many as you need, but you must provide at least one. **Note**: You can provide more later with in the application.

Observed

Provide the name of at least one Observed.
You can add, change, or remove Observed later in 'Settings'.

[   ] +

Observed

Back   Next

Provide a Name then click the plus sign.

Observed

Provide the name of at least one Observed.
You can add, change, or remove Observed later in 'Settings'.

[Observed One   ] +

Observed   Add Observed One

Back   Next

Click 'Next' when done adding Observed.

Observed

Provide the name of at least one Observed.
You can add, change, or remove Observed later in 'Settings'.

[   ] [+]

Observed

Observed One [—]

[Back]   [Next]

Confirm selections. Click 'Submit' to save.

Confirmation

Please confirm your selections then click 'Submit'.
After submission you'll be directed to ABC Data Collector.
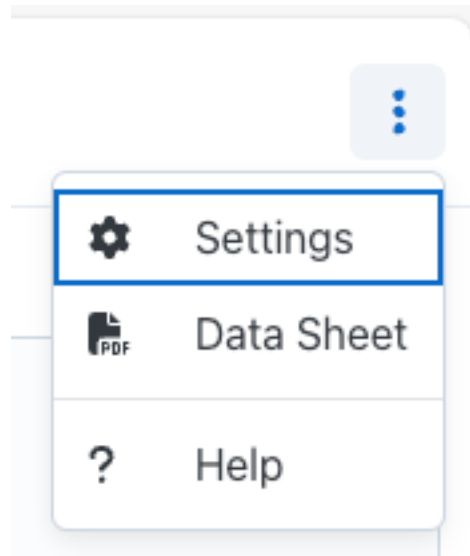
Start Page **Dashboard**

Observed

Observed One

[Back]   [Submit]

Upon save you see the Dashboard. You are no ready to start using ABC Data Collector.

Header

At the top of the application is the header. At the left is the logo. Clicking on it returns you to the Dashboard.

To the right is a drop-down menu that consists of Settings, Data Sheet, and Help.

Settings takes you to the Settings page that allows you to change the start page and manage Observed. This is explained in the Settings section below.

Data Sheet allows you to print ABC data collection sheets to give to others who interact with the Observed and can collect data. The data sheet contains the customized ABCs and locations that you setup for the Observed. It creates the data sheet for the currently selected Observed.

Help opens this User Guide in a new window.

Dashboard

The Dashboard provides a visual snapshot of the Observed data for a given period.
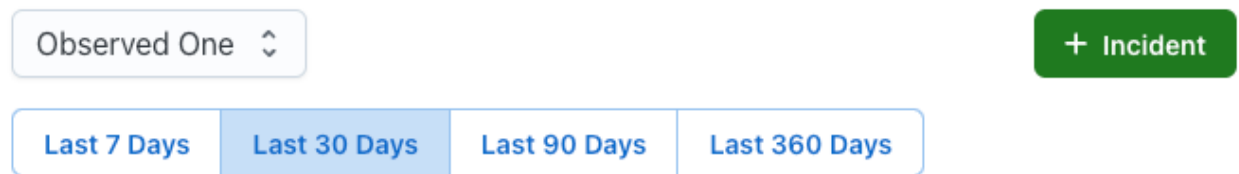
Note: The first time you land on the Dashboard the sections will be empty because there is no data.

Here's a tour of the Dashboard.

At the top of the Dashboard section is the observed drop down, with the currently selected Observed. This drop down indicates the Observed for whom the data on the dashboard pertains.

In this example 'Observed One' is the currently selected observed.

To the right of the Observed drop down is the add Incident button. Click this to add an Incident. The add incident is described below in the 'Incident Entry' section.

The next line allows you to choose the period for which you want to see the Dashboard data. The Incident Log shows all incidents and provides more options for customization. This is described below in the 'Incident Log' section.

Recent Incidents

The Recent Incidents section show al the Incidents for the selected period.
The Date/Time, Location, Intensity, and Duration columns are sortable.
You can Export the current Incidents to Excel by clicking the 'Export' button.
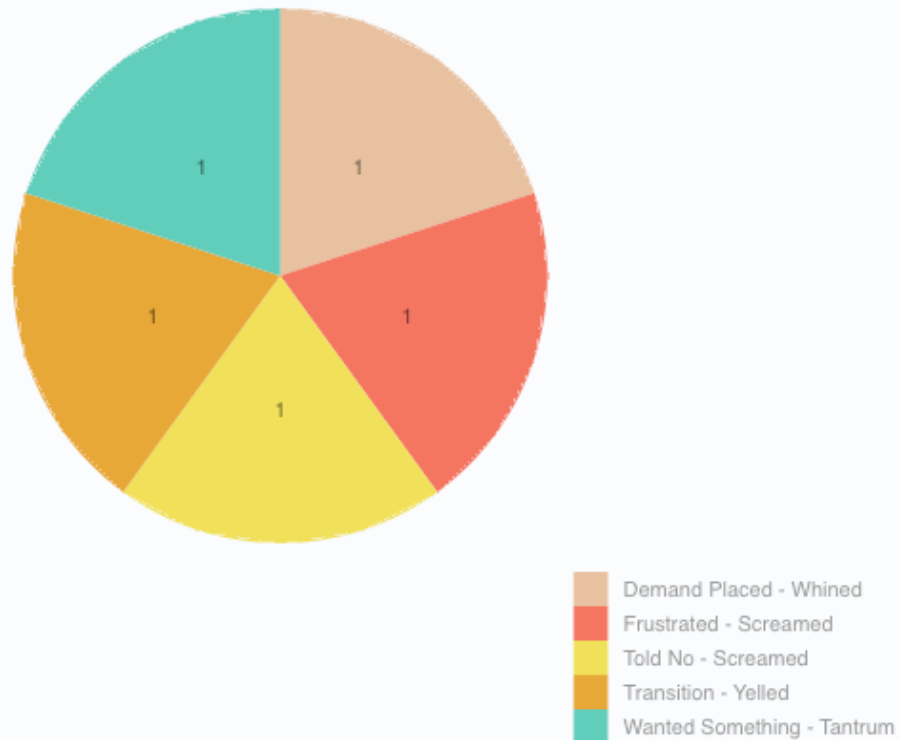

To access all Incidents, click 'See All Incidents'. This takes you to the full Incident Log. This is described in more detail below.

Top ABC Combinations

The Top ABC Combinations provides a chart for top five Antecedent – Behavior combinations and a chart for the top five Behavior – Consequence combinations. As with Recent Incidents it is based on the selected period.

ABC Frequency

The final section of the Dashboard is a word cloud displaying all ABC values for the selected period. This provides a visual way of identifying frequent ABC values.
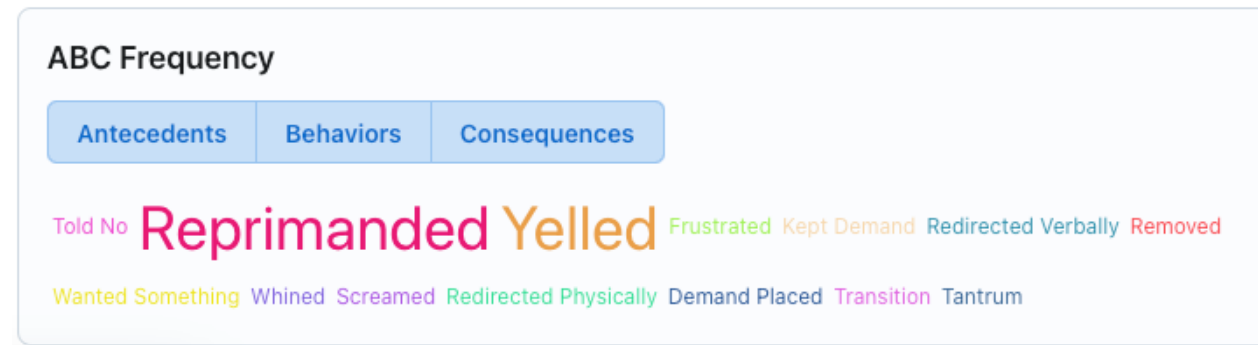
You can include/exclude Antecedents, Behaviors, and Consequences by selecting from the button group at the top. Here is an example with only Antecedents selected.
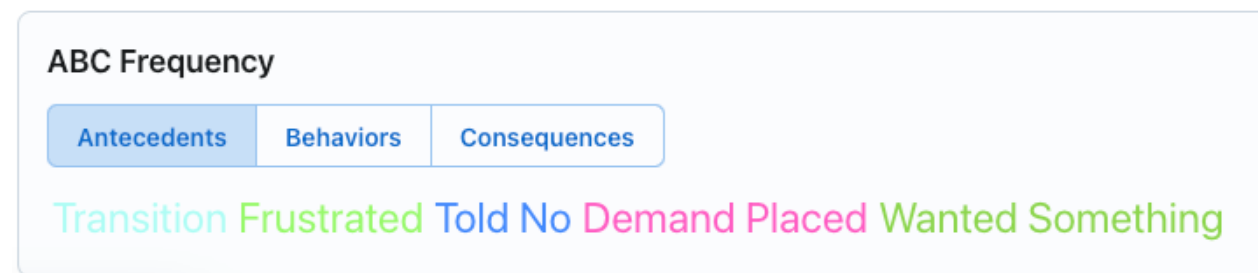
Incident Entry

Clicking the green add 'Incident' button from either the Dashboard or the Incident Log pages takes you to the Incident Entry page.

As with the Dashboard page the observed drop down, with the currently selected Observed, appears near the top, just under the breadcrumbs.

Dashboard / Incident Entry

Observed One ⇕

If you setup multiple observed changing the selected observed allows you to enter an Incident for the selected observed.

The **Incident Date and Time** are required, and they default to the current date and time.

Incident Date and Time

03/12/2024 📅   05:34 PM 🕐

The next three sections- **Antecedents**, **Behaviors**, and **Consequences** – are required. You can choose as many in each as you need but you must select at least one in each.

Antecedents (choose at least one) +

☐ Asked Question   ☐ Attention Required

☐ Frustrated   ☐ Told No

☐ Wanted Something

If you need to add a value, click the plus sign at the end of the header line. This shows a section that allows you to add the value. Specify the new value and click 'Add'. The value is immediately available in the list and will now be part of the customized list for the chosen Observed.

Antecedents (choose at least one) +

| New Antecedent | **Add** | Cancel |

☐ Asked Question   ☐ Attention Required

☐ Frustrated   ☐ Told No

☐ Wanted Something

Click 'Cancel' or click the plus sign if you decide not to add a value. Both options close the section.

Note: The above example is for Antecedents. Behaviors and Consequences work the same way.

The 'Save' button is disabled until you provide a Date and Time, and least one Antecedent, Behavior, and Consequence. He remaining fields are optional.

Location (optional) +

Not Available

Intensities (optional)

Not Available

Duration - Minutes:Seconds (optional)

MM:SS

Description (optional)

Description

Location is a drop-down list specifying where the Incident occurred.

As with **Antecedents**, **Behaviors**, and **Consequences** you can add a Location by clicking the plus sign. The new Location is then available to use and becomes part of this Observed customized location list.

Intensities is a drop-down list of Mile, Moderate, and Severe.

Duration specifies the minutes and seconds that the Incident lasted. If it was less than one minute you must specify 00 for minutes.

Description allows you to provide more context if needed.

Incident Log

As noted above, you access Incident Log from the Recent Incidents section on the Dashboard. Clicking 'See All Incidents' takes you here.

Incident Log contains all the Incidents for the selected Observed.

As with the Dashboard page the observed drop down, with the currently selected Observed, appears near the top, just under the breadcrumbs.

Dashboard / Incident Log

Observed One ⇕   **+ Incident**

To the right of the Observed drop down is the add Incident button. Click this to add an Incident. The add incident is described above in the 'Incident Entry' section.

The table contains the same fields as the table on Recent Incidents and the has the same sortable columns. You can also Export the Incidents currently in the table to Excel.

Unlike Recent Incidents, Incident Log allows you to see (and export) all Incidents and it includes filter capability.

You can filter the incidents by clicking the 'Filter' button located directly above the table.

▼ Filter

Date/Time ↓	Location	Intensity	Duration
03/12/2024 05:34 PM	Home	Mild	00:25

You can filter by Date Range, Duration Range, Intensity, and Location.

For Date Range and Duration, lower and upper bounds are not required. For example, to select all Incidents from a certain date you provide only the start date and leave the end date empty.
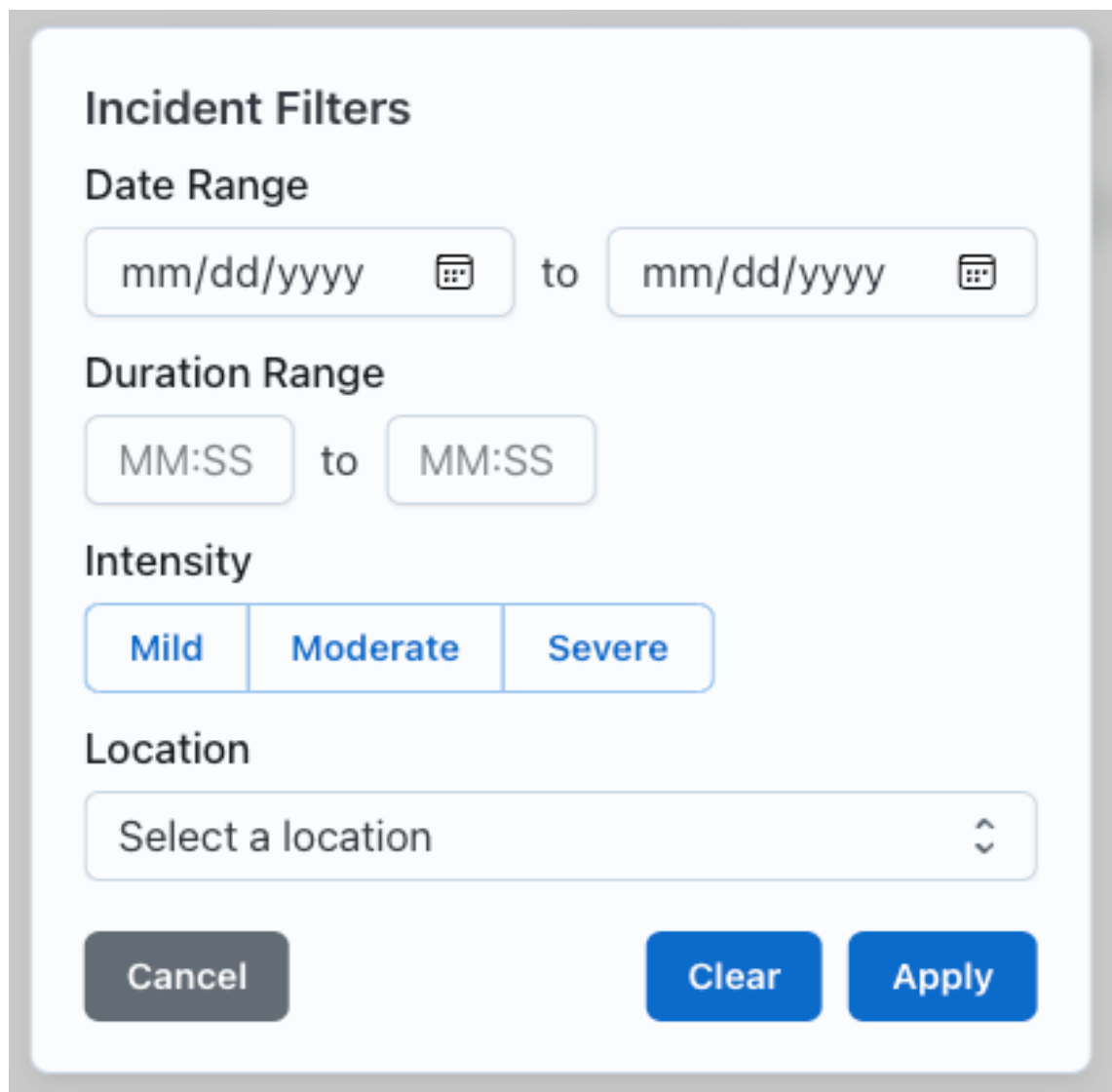
Location is a multi-select.

Not providing any selections will leave this out of the filter.

Once you've made your selections click 'Apply' top see the results.

Click 'Clear' to clear all filters and show the full list.

Clicking 'Cancel' closes the filter and leaves the existing incident results as is.
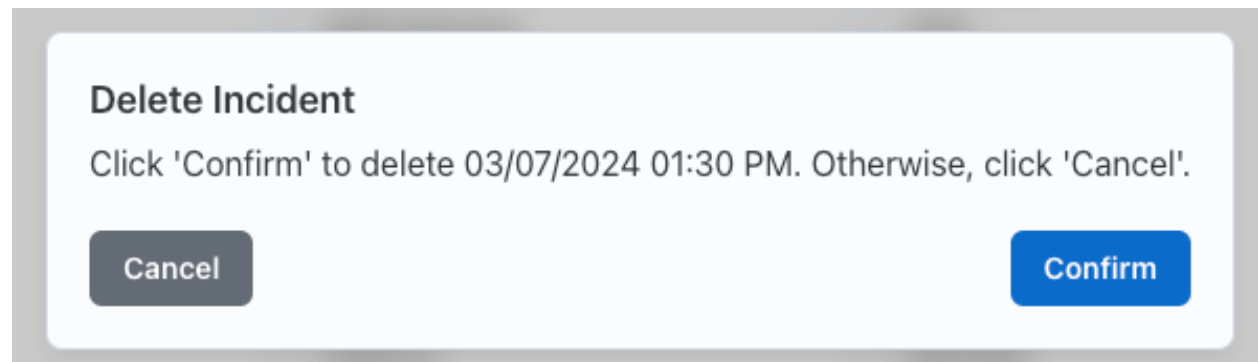
Incident Edit and Delete

In the event you need to modify or delete an Incident, you can click the Date/Time field of the Incident from either the Recent Incidents or Incident Log. This takes you to the Incident Entry page with the values for that Incident populated. At this point the Incident is in read-only mode.

When you first navigate to an existing Incident it is in view mode. To edit, click the 'Edit' button. This allows you to modify the Incident values and save the changes. Click 'Cancel' to revert to view mode. If you click 'Cancel' no changes are saved. In edit mode you can make changes just as you do in add mode. You must click the green 'Save' button at the bottom of the form to save the changes.

To delete, click the 'Delete' button. You will be prompted to confirm the delete. After the delete you will return to the prior screen, either Incident Log or Dashboard. Click 'Cancel' to cancel the delete request.

Settings

Local Network Access

If ABC Data Collector is running on a computer that is part of a local network, then you can access it from all computers and mobile phones that are on that network. To do that you need the address of the computer on which it is running. Navigate to the Settings page. The URL to access the application is found within the 'Network Host' section.

Network Host

IP Address

192.168.4.65

Host Name

192.168.4.65

Port

8345

URL

http://192.168.4.65:8345

Use the URL you find on your Settings page. **Note**: The value seen above is an example. Copy that value into a browser on any device on your network to access ABC Data Collector.

Start Page

The Start Page section lest you set what page you land on when access ABC Data Collector from your browser. To change the page, select the page then click 'Save'.

Start Page

- ● Incident Entry
- ○ Dashboard
- ○ Incident Log

Save

Manage Observed

The Observed section within Settings allows you to manage the Observed for whom you collect data. You can add Observed, edit existing Observed, or remove existing Observed. **Note**: ABC Data Collector requires that you have at least one Observed.

Add Observed

Click the 'Add' button to add an Observed. Below the existing Observed table, you will see a section for setting all the Observed information – Observed Name, Antecedents, Behaviors, Consequences, and Locations.

Provide the name in the Observed Name field. You must provide a name.

The Antecedents, Behaviors, Consequences, and Locations are shown within tabs for each. Each section has default values however you can customize these to your liking.

To Update select the value to update. It appears in the Value above. Make the necessary change, then click the 'Update' button.

The changed value now appears in the list in italics.

To Delete a value, select the value to delete. It appears in the Value above. Click the 'Delete' button. The value is removed from the list.

To Add a value, enter a unique value to in Value text field.

Click the 'Add' button to the right of the value. The value appears in the list in Italics.

The Behaviors, Consequences, and Locations all work the same way.

Once you complete all the values click the 'Save' button to save the Observed. The Observed details section disappears and the Observed is added. The new Observed is now ready to use within the application and will appear in all the Observed drop-down boxes.

Observed

[Add]

Observed Name	Actions
Observed One	✏️ ⬇️ 📄PDF ➖
Observed Two	✏️ ⬇️ 📄PDF ➖

Click 'Cancel' to cancel Observed add. The Observed section disappears and the Observed is not added.

Edit Observed

Edit Observed works much the same way as add. To edit an Observed, click the 'Edit' button (pencil) to the right of the Observed.

Observed Name	Actions
Observed One	✏️ ⬇️ 📄PDF ➖
Observed Two	✏️ ⬇️ 📄PDF ➖

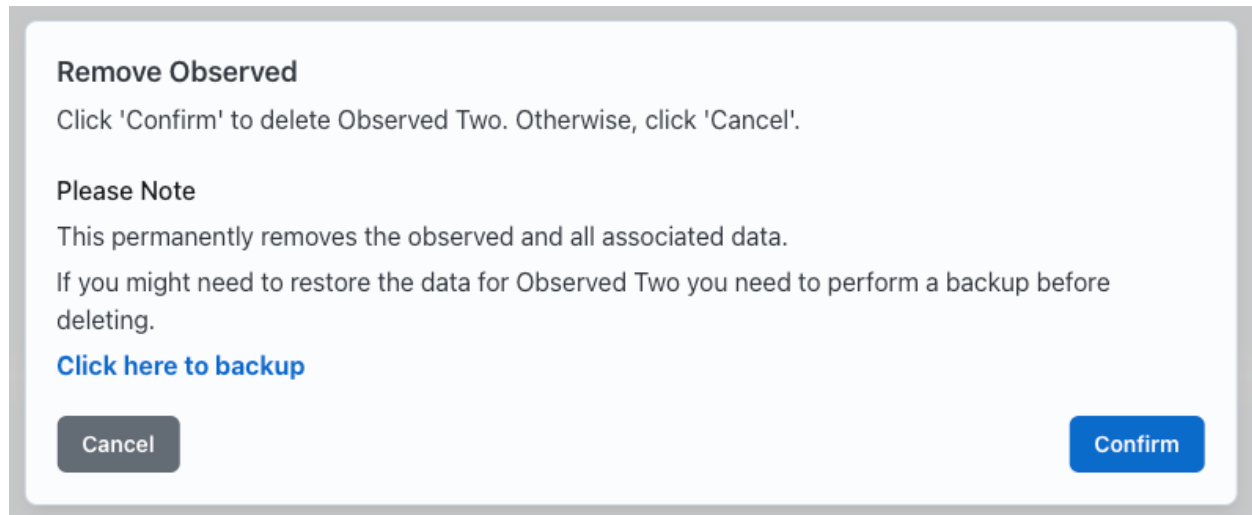The Observed details section appears with all the selected Observed information.

Make changes just as described in the Add section above.

Click 'Save' to save the changes.

Click 'Cancel' to cancel the update.

Remove Observed

To remove an Observed, click the 'Remove' button (minus) to the right of the Observed. A confirmation dialog appears.

Click 'Confirm' to complete the removal. **Note**: this permanently removes the Observed and all associated data.

You can create a backup of the Observed data by clicking 'Click here to backup'.

After confirming the Observed no longer appears in the Observed table.

Click 'Cancel' to cancel the removal.

Export Data Sheet

You can create a printable version of a data collection sheet for the Observed by clicking on the 'PDF' button to the right of the Observed. This downloads a PDF version of a customized data sheet for the Observed.

Backup Observed Data

You can create a backup of the Observed data by clicking the 'Backup' (download) button to the right of the Observed.