



# **FEMA CBRNResponder Platform Overview and User Orientation**

## **M-L3**

**March 24, 2025**

**Julie Namauu-Cooley, Program Manager**

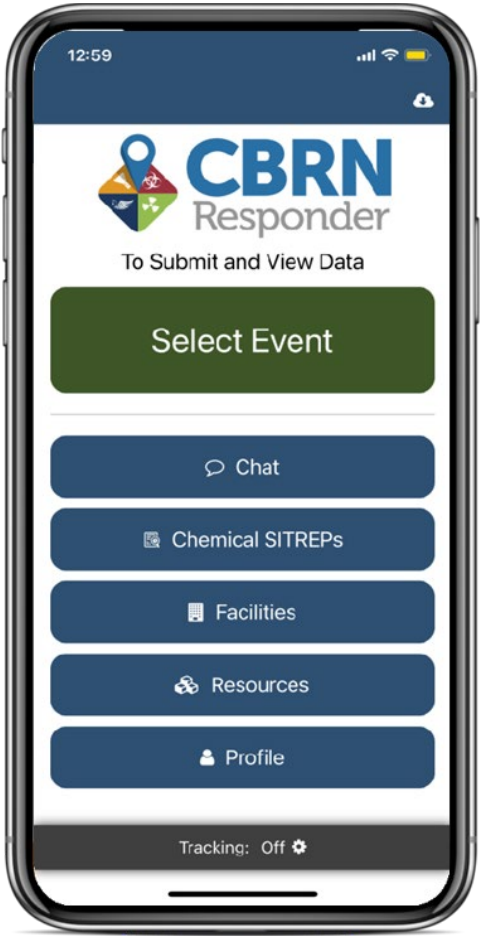
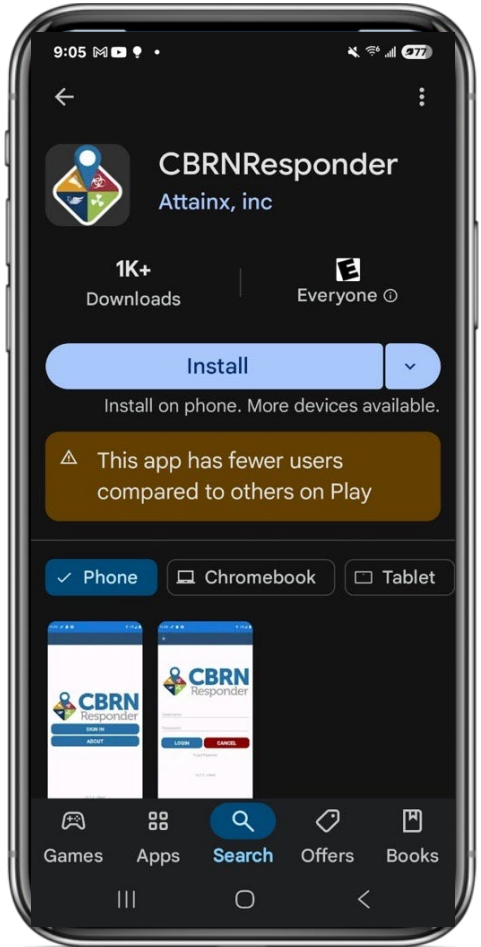


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# What you will need:

☑ ChemResponder Account

☑ CBRNResponder mobile application



# Training Accounts:

If you **DO NOT** have a ChemResponder or CBRNResponder account, you may use one of these temporary accounts:

**Username: SimulatedAccount1-20**

**Password: SimulatedAccount1-20**

Example:

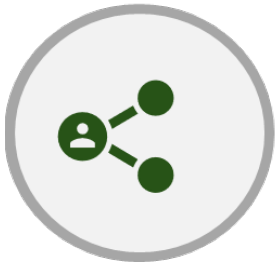
Username: SimulatedAccount1

Password: SimulatedAccount1

# ChemResponder:



- ChemResponder is a **free**, whole community service, sponsored by the FEMA Office of Emerging Threats and its federal partners for the collection, management, and sharing of chemical incident preparedness information among Federal, State, Local, Tribal, and Territorial (FSLTT) response organizations designed to provide real-time chemical data collection, management and sharing.



- Users create a **real-time common-operating picture** to share ground-truth data in addition to managing equipment, SITREPs, chemical facility information, lessons learned, and more, all of which can be shared at the organization's discretion with any other FSLTT agency.

# ChemResponder Overview:

- Full CBRNResponder Network launched July 2019



RadResponder



BioResponder



ChemResponder



IMAAC Portal

# CBRNResponder Timeline

RadResponder  
Launched  
(2013)



ChemResponder  
Launched  
(2018)



IMAAC Portal  
Launched  
(2021)



RadResponder  
codified in NRIA  
(2016)



CBRNResponder  
Launched  
(2019)



BioResponder  
Launched  
(2022)



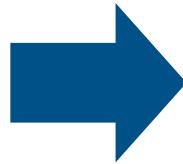
# IMAAC Portal as Part of the CBRNResponder Suite



- IMAAC is the Interagency Modeling and Atmospheric Assessment Center
- Provides a single point for the coordination and dissemination of Federal dispersion modeling and hazard prediction products that represent the Federal position during actual, or potential, incidents involving hazardous atmospheric releases
- IMAAC Portal allows any CBRNResponder user to request IMAAC models for exercises, and allows IMAAC to seamlessly push models and briefing products to users' events for exercises and/or real-world emergency events
- The IMAAC Portal was launched in September 2021

# Coordinate Field Team Operations

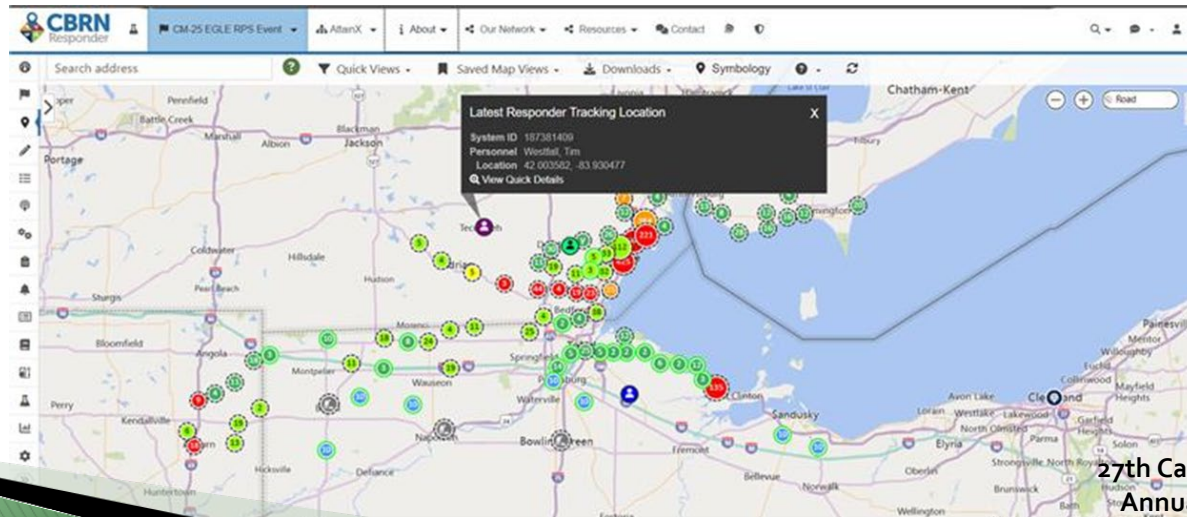
Upload  
Equipment &  
Manage  
Personnel



Assign Personnel &  
Equipment to Field  
Teams



Track  
Responders in  
the Field






# Upload Facility Information

 Add Facility AttainX Inc.

 Save

 Cancel

\* Indicates required field

## General Information

Name \*

Enter a unique name for the facility

Description

Type


Choose Facility Type...

Sharing Mode \*

Choose Sharing Mode...

Enabled? 



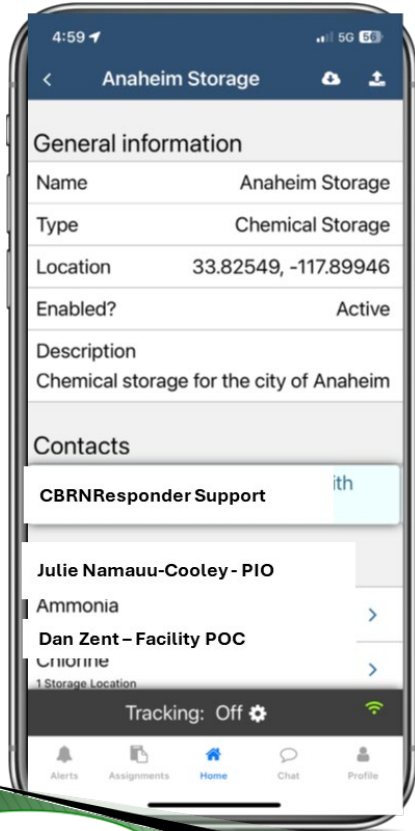
Default Event Scenarios 

Choose Default Event Scenarios

## Maintain Facilities:

- Radiological Facilities
- Chemical Facilities
- Tier II Data
- Documents
- Points of Contact

# Chemical Facility Management



Facility  
Contacts

Chemical  
Storage  
Locations

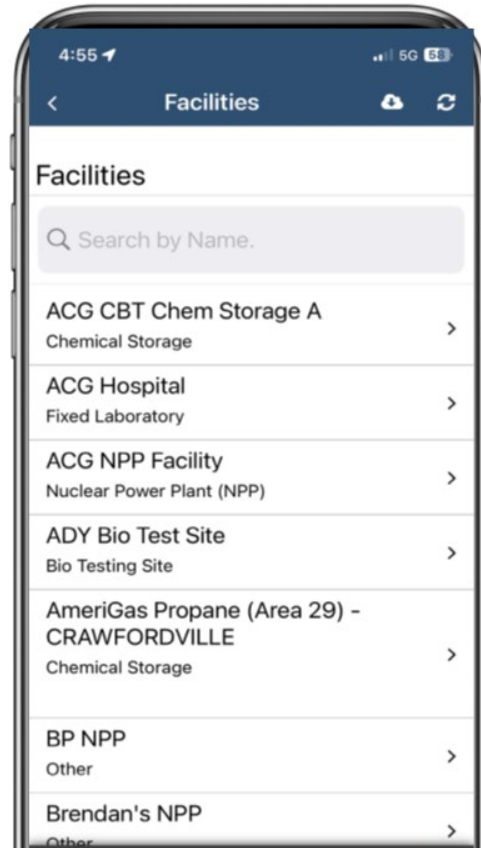
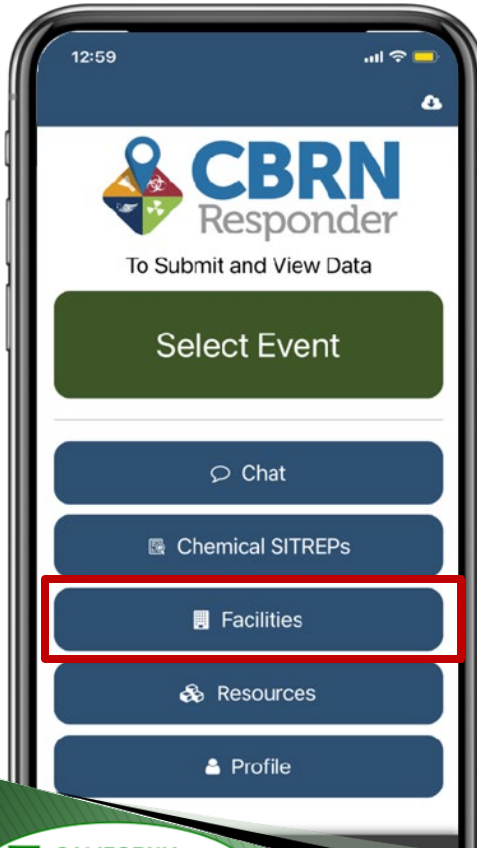
Chemical  
Storage  
Details

Chemical  
Inventory

Health and  
Physical  
Hazards

Points of  
contacts

# Accessing Facilities from the Homepage



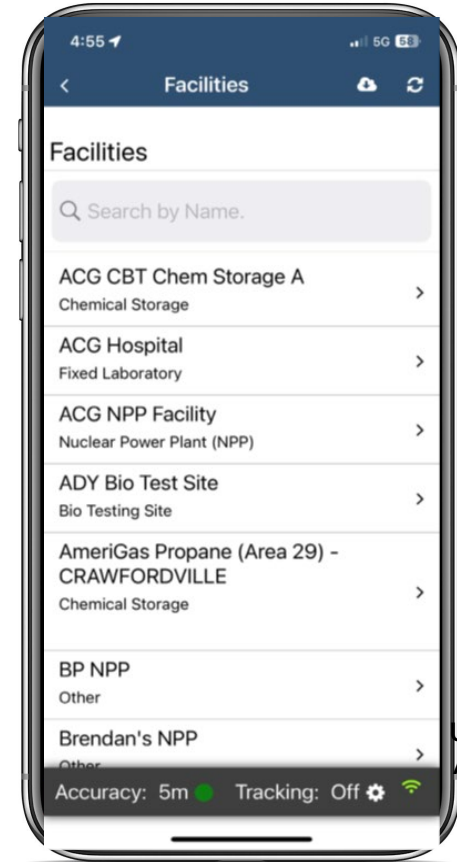
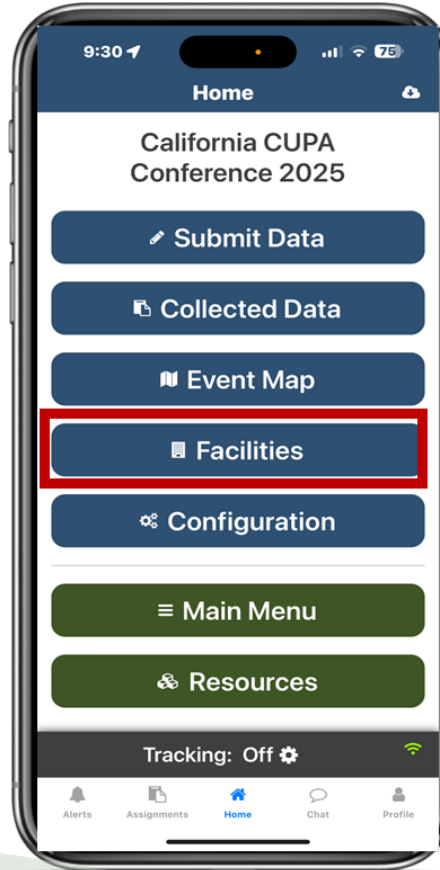
How to access facilities if you are **not** in an event:

To view all facilities your organization and your partners own, open the “**Facilities**” button and search for the facility you are looking to view

# Accessing Facilities from an Event

If you are in a specific event

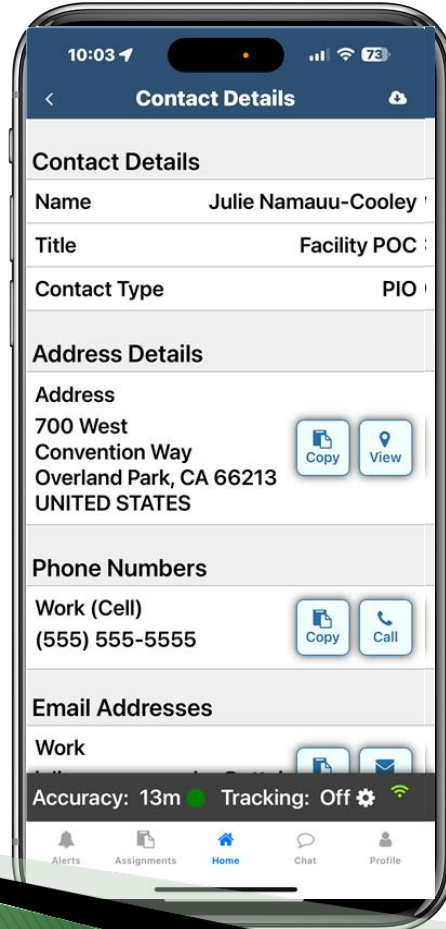
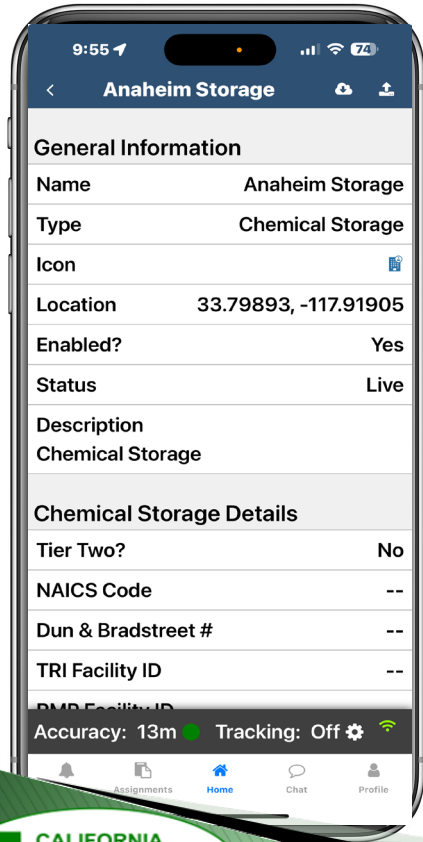
View all facilities that are on a specific event by clicking on the “**facilities**” button and search for the facility you would like to view



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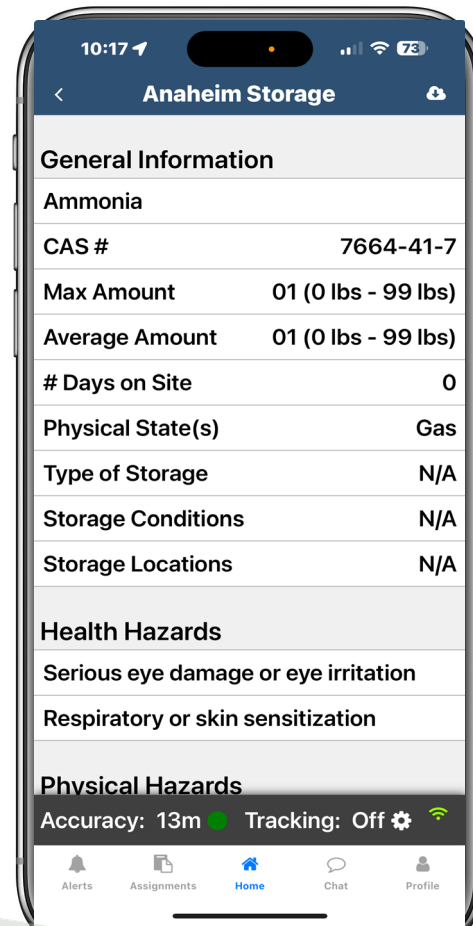
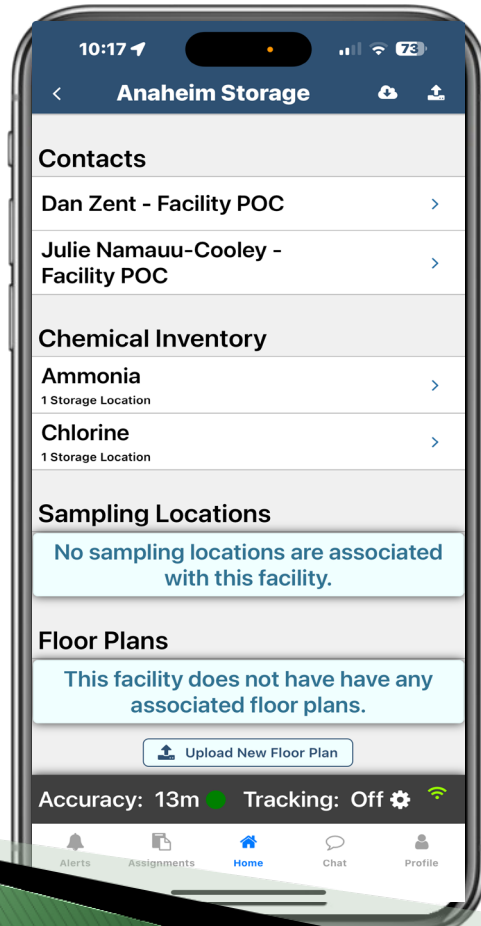
# Chemical Facilities Management



View general information about the facility and use the quick links to view contact information

# Chemical Storage

View specific chemicals and their storage information



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# Integrate Raw Data

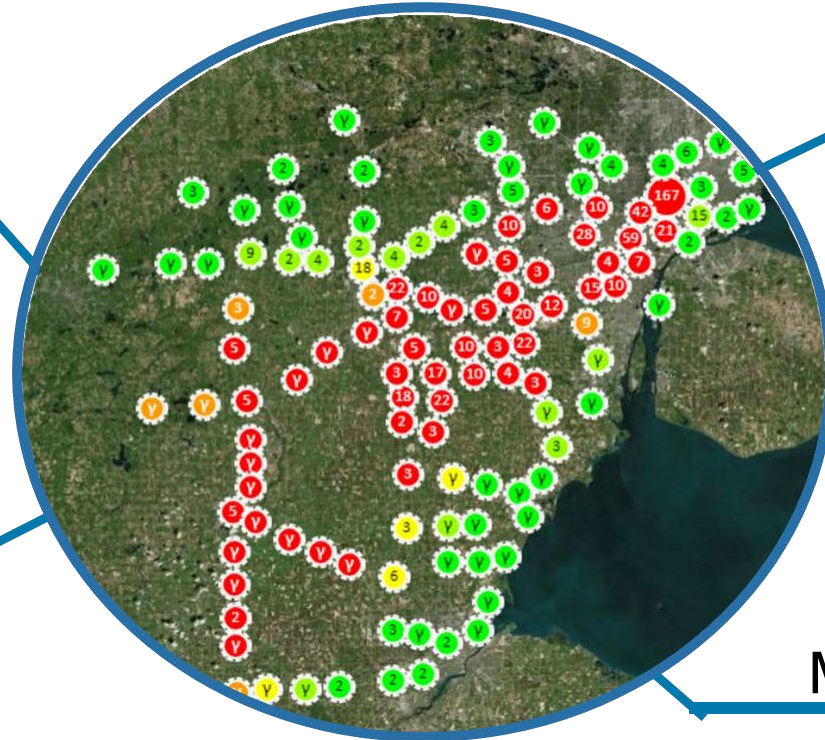
Mobile Application

Fixed Monitoring

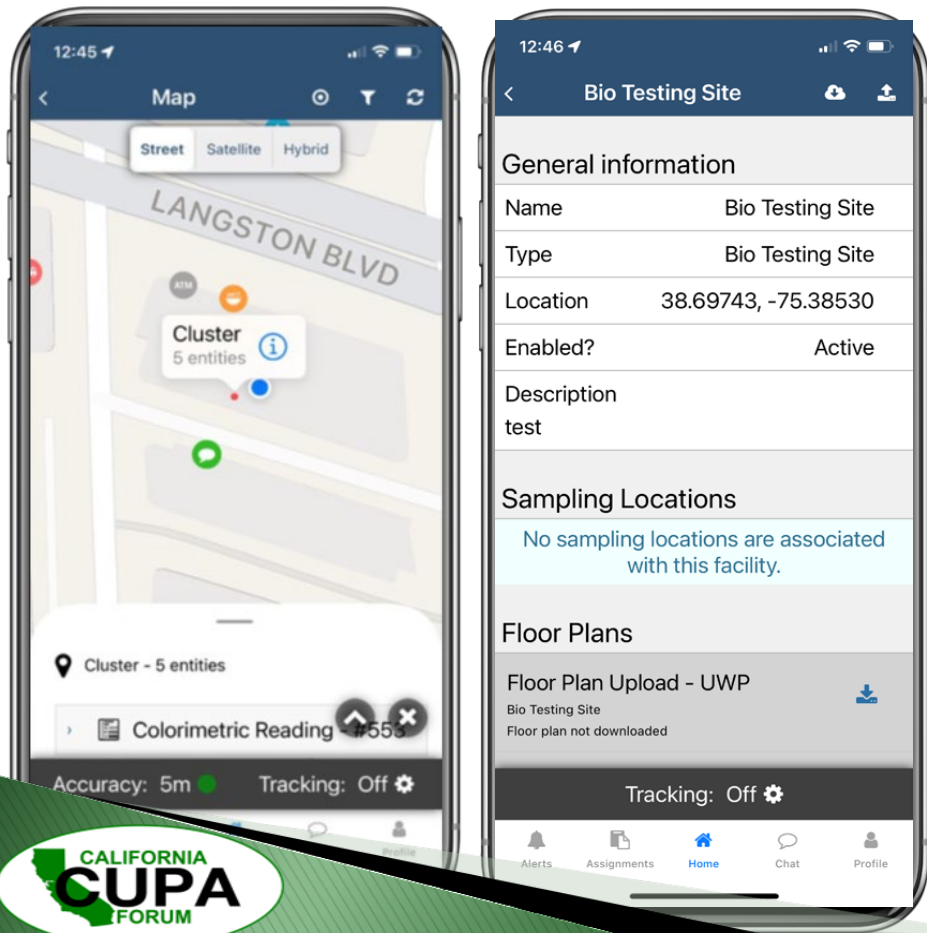
Website Entry

API Equipment

Mobile Surveys



# Situational Awareness on the Mobile App



Displays data points, facilities, sampling locations, and responders on the map



Search and Filter facilities



View facility details, chemicals present, descriptions, locations



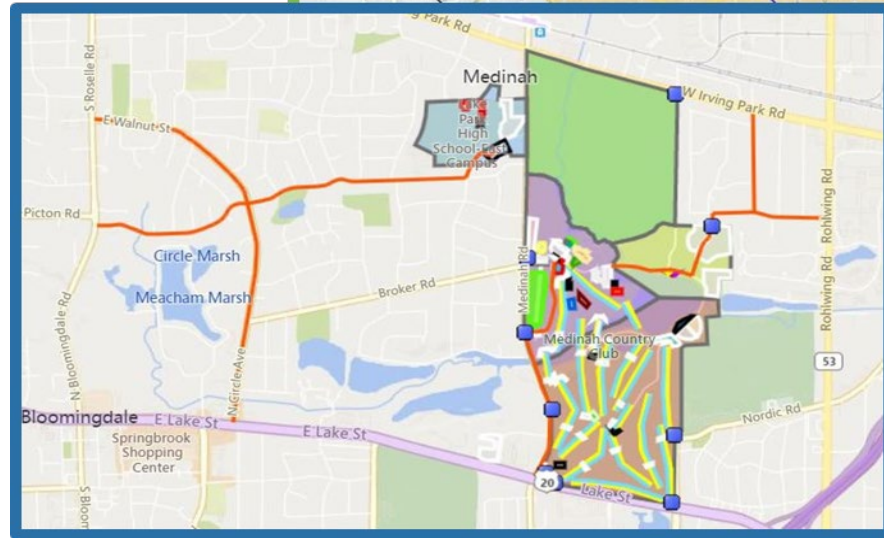
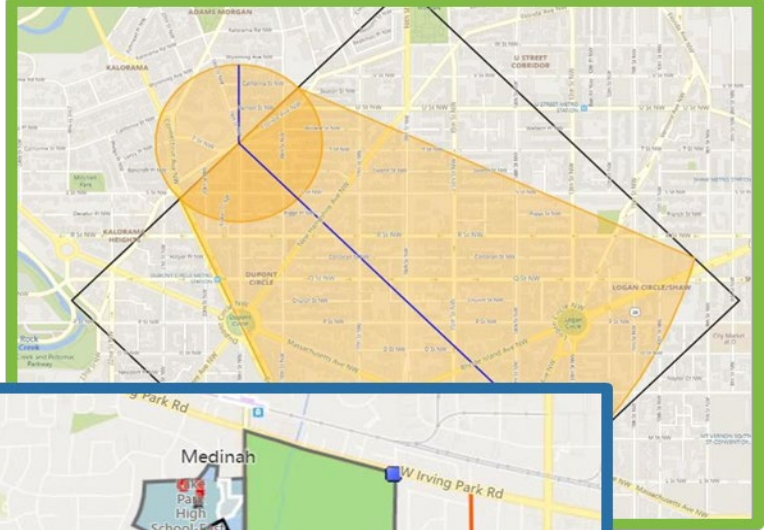
Ability to collect real-time data with or without network connectivity



# GIS Files

- Get initial prediction models or products pushed directly to the event map from the IMAAC Portal
- Upload your own GIS files (KML, KMZ, or Shapefiles)
  - ERG, Aloha or DTRA products
  - Critical infrastructure
  - Weather

*ERG  
Protective  
Distances*



*User  
Uploaded  
GIS Files*

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# Integrate Raw Data - APIs

Third-Party  
Detection  
Equipment



API

CBRNResponder  
Program Interface



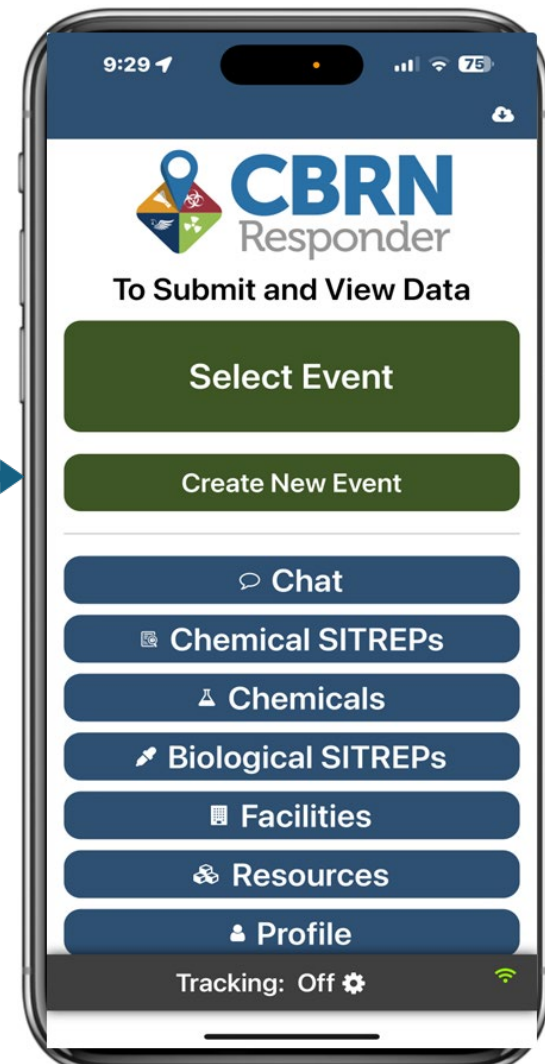
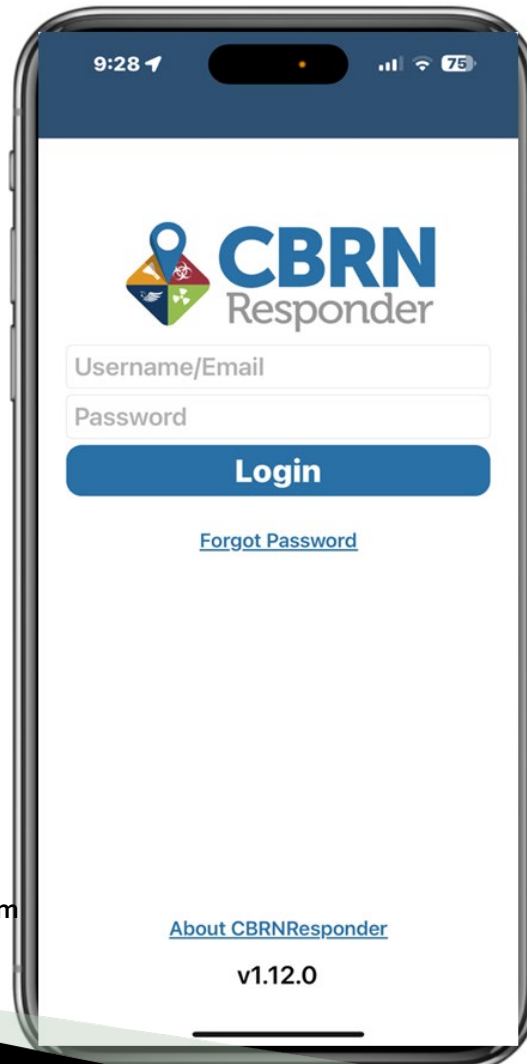
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# Data Collection Activity

# Data Collection

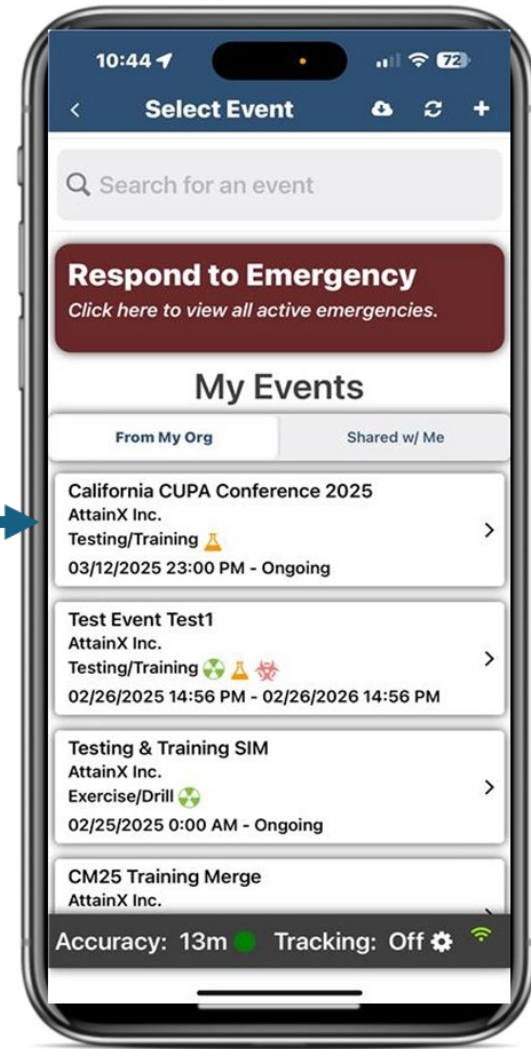
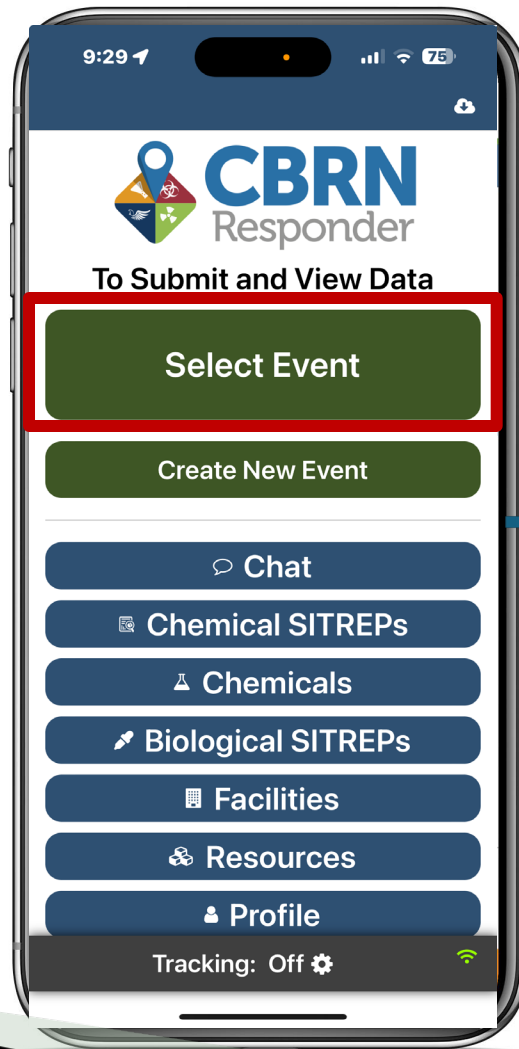
Log into the  
CBRNResponder  
mobile  
application  
homepage

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# Data Collection

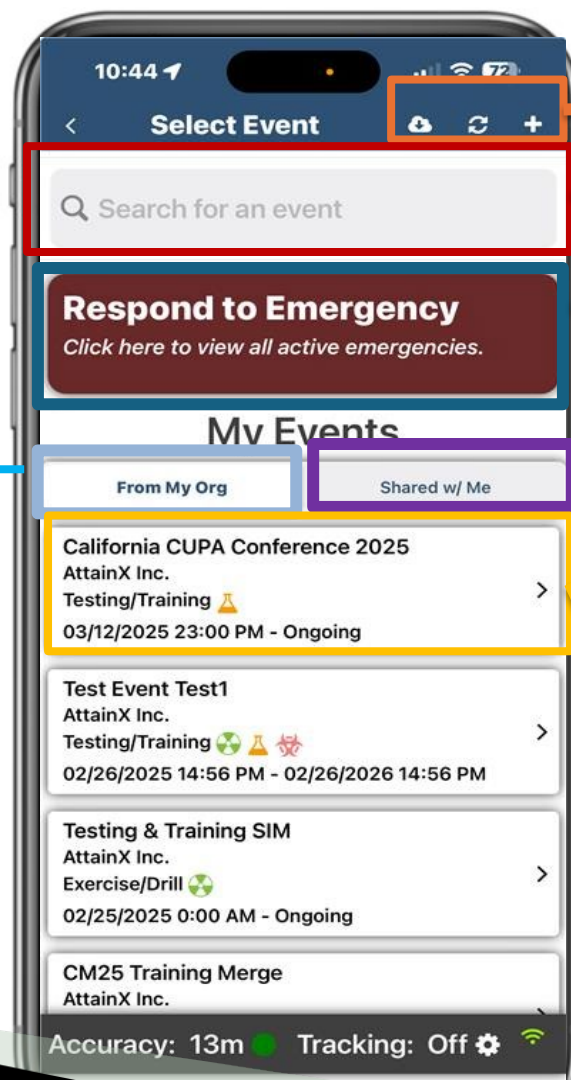
If you have not selected an event in CBRNResponder, click the “**Select Event**” option to take you to the events list



# Data Collection

From the Select Event screen, you will see:

Events sponsored/created by your org



Resync, refresh, create event

Event search bar

Network-wide and other emergency response events

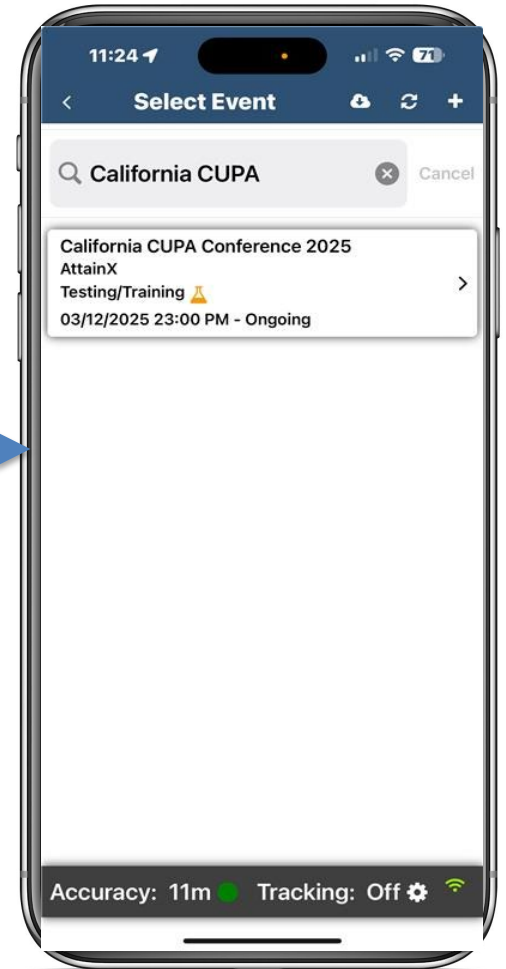
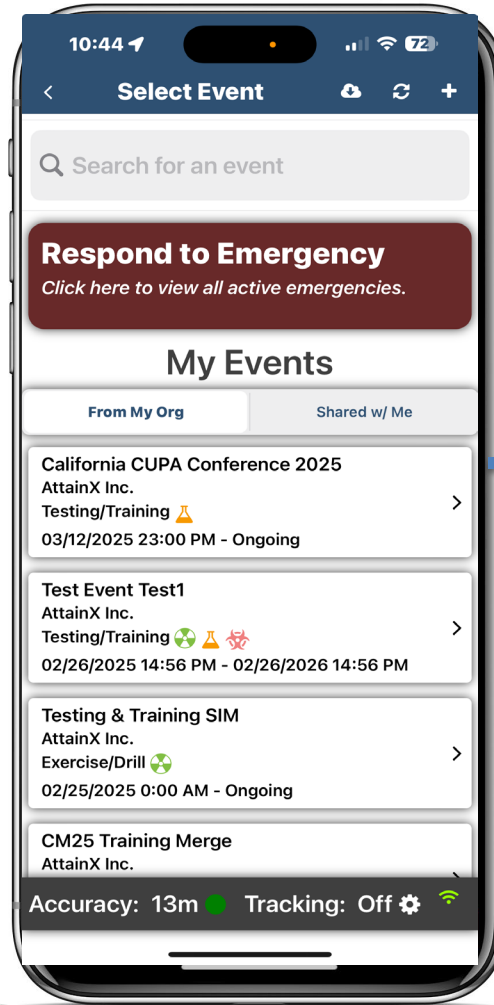
Events your org is partnered on or events you've been added as an individual responder

Select event to open the events homepage



# Data Collection

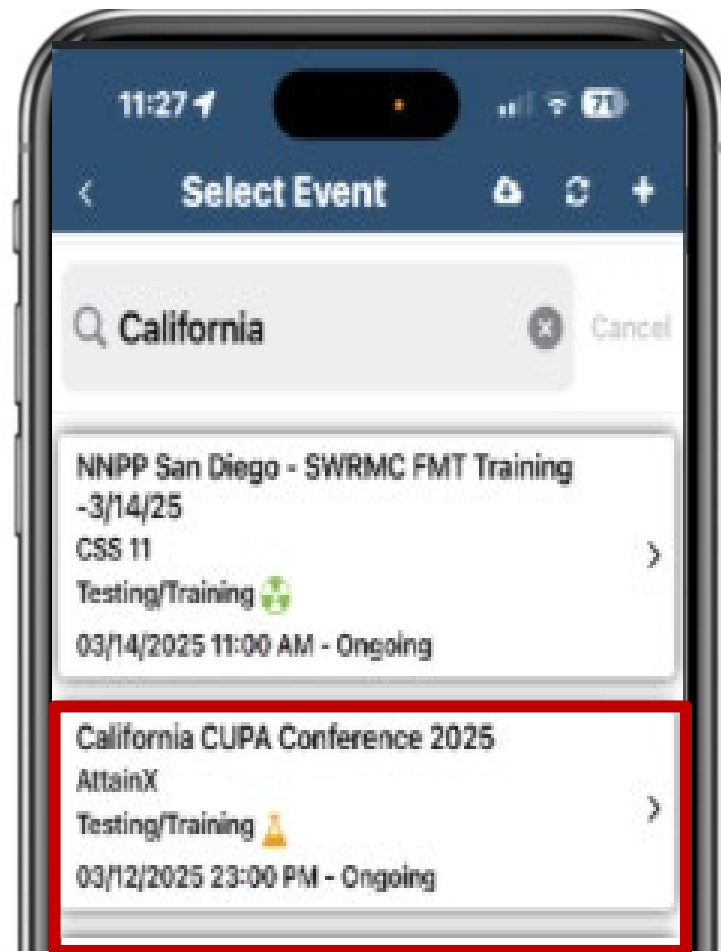
If you do not see the event you need to submit data into on either lists, you may use the search bar to view all open events



# Data Collection

Search for and open event:

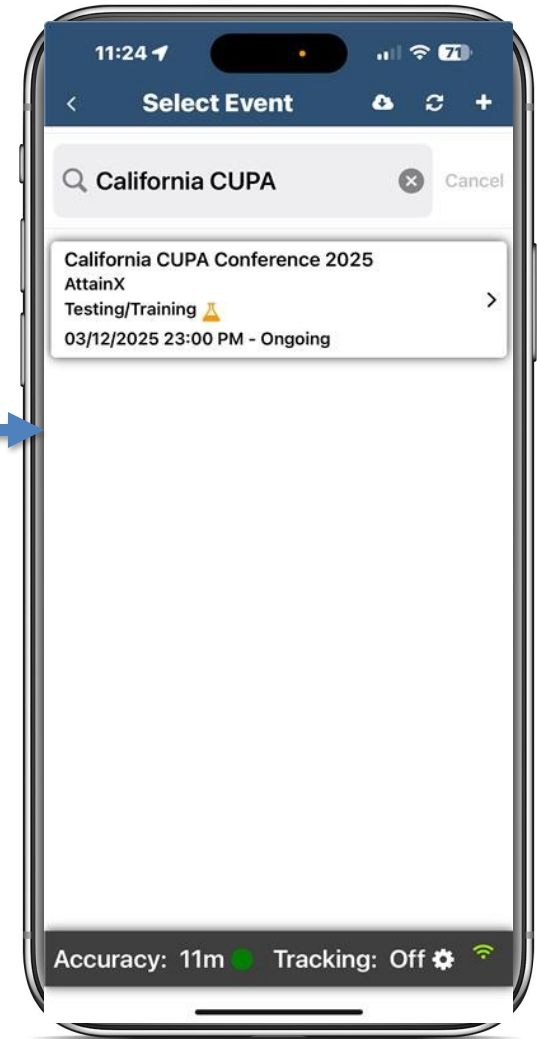
California CUPA Conference 2025





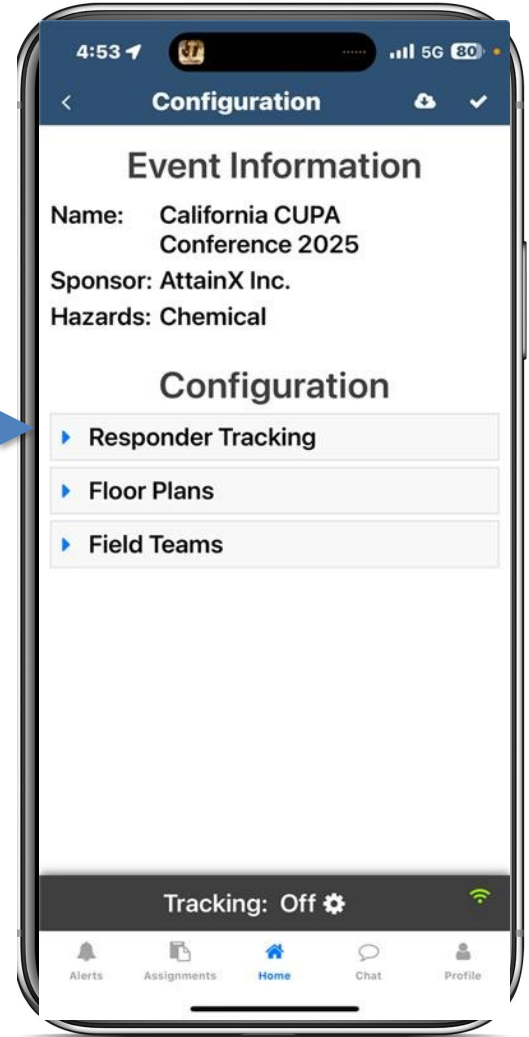
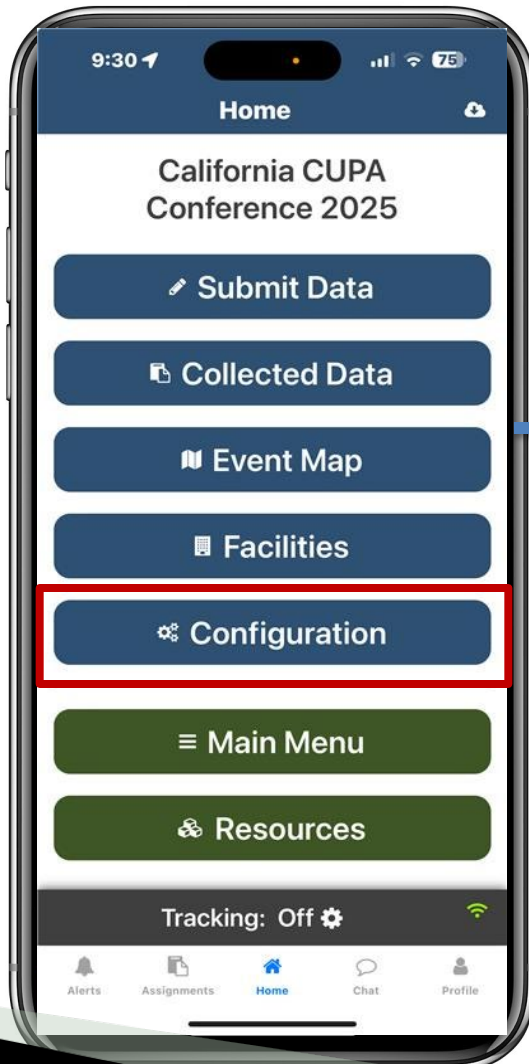
# Data Collection

You may use the search bar or click “from my Org”, or “Shared w/me” to locate the preferred event



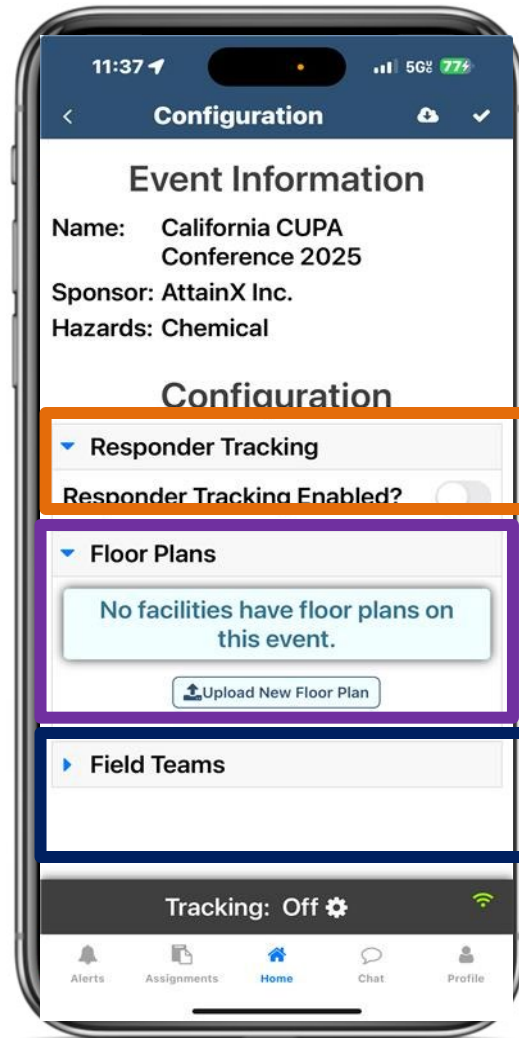
# Data Collection

After clicking on your preferred event, the event home page is displayed. Click on Configuration button



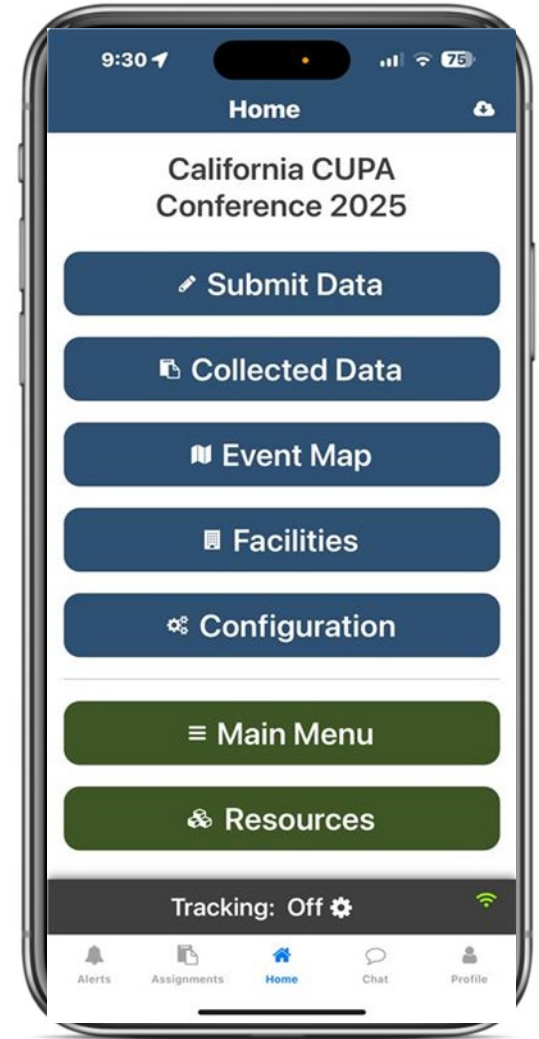
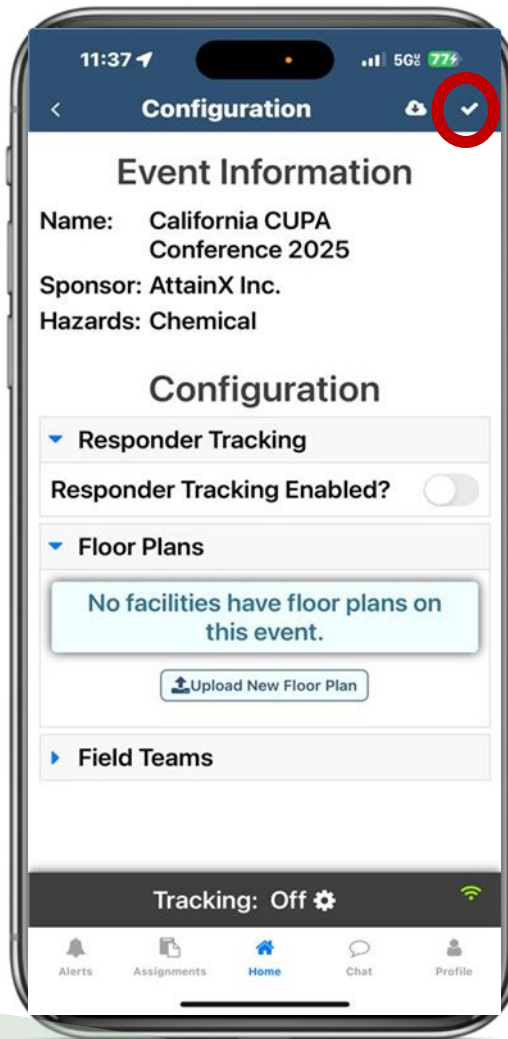
# Data Collection

On the event configuration page you may select **responder tracking** preferences, upload/download **floor plans**, and select **field teams**



# Data Collection

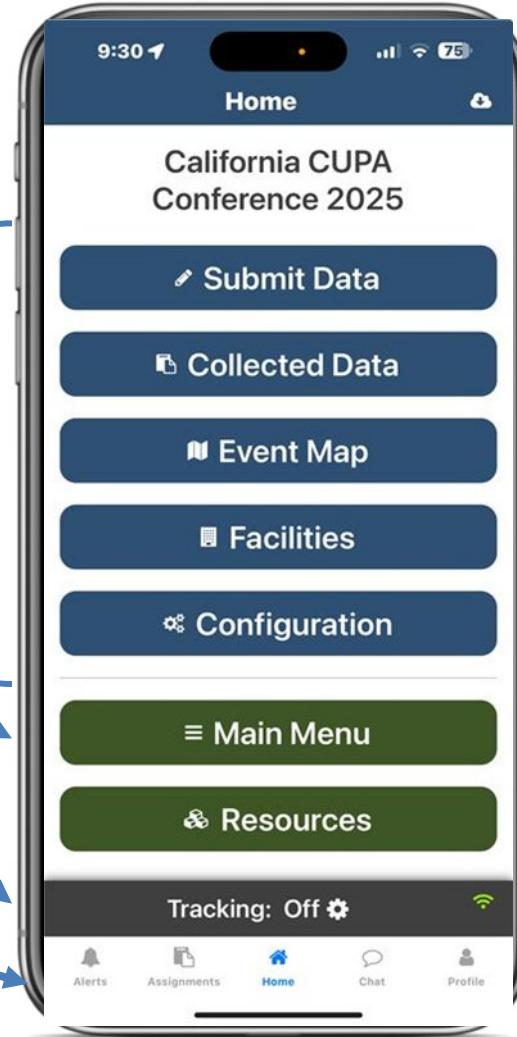
Click the checkmark after selecting your preferences to return to the event home page



# Data Collection

Event Home page:

1. Data Collection and Event Parameters
2. CBRNResponder App Navigation
3. Responder Tracking
4. Event Notifications, Chat, and Profile

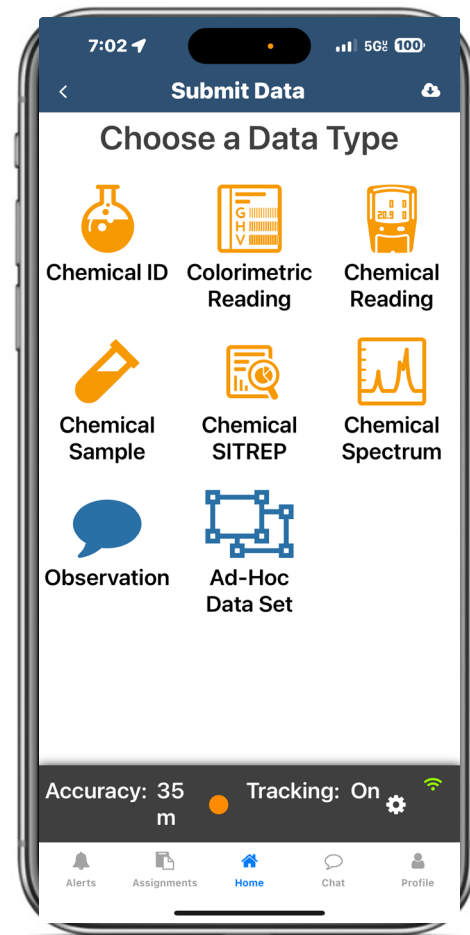
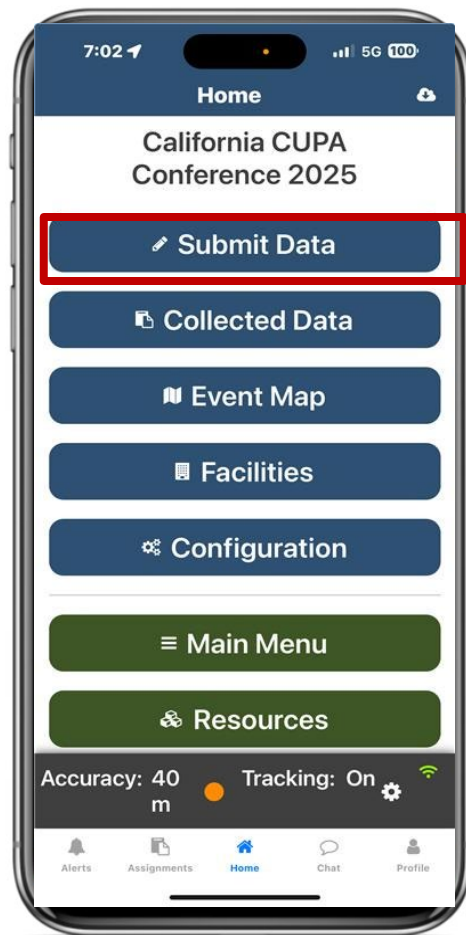


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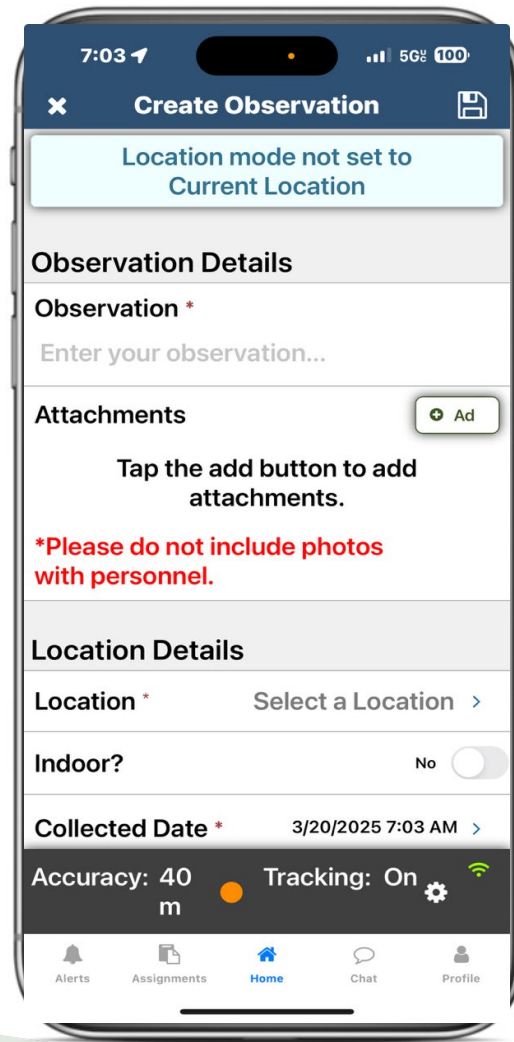
# Data Collection

To collect data, click on the submit button, the Data Type screen is displayed



# Data Collection

Select the Data Type you wish to enter, the collection entry screen is displayed

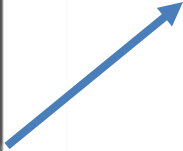
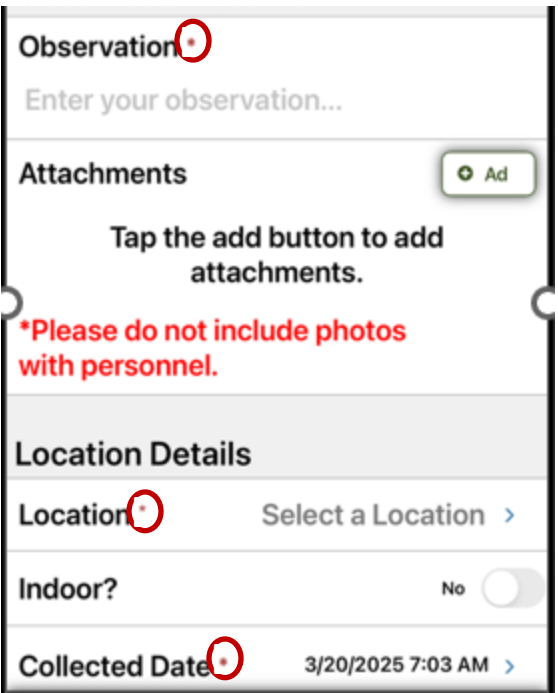
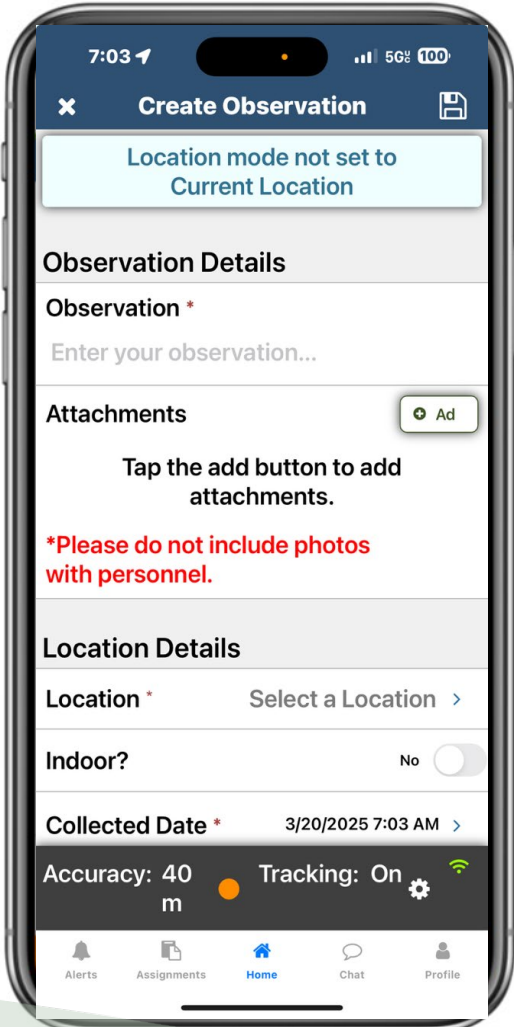


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# Data Collection

Complete required form entries



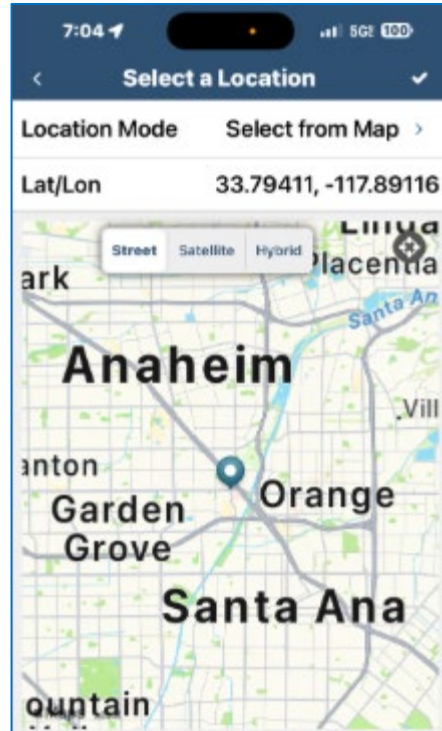
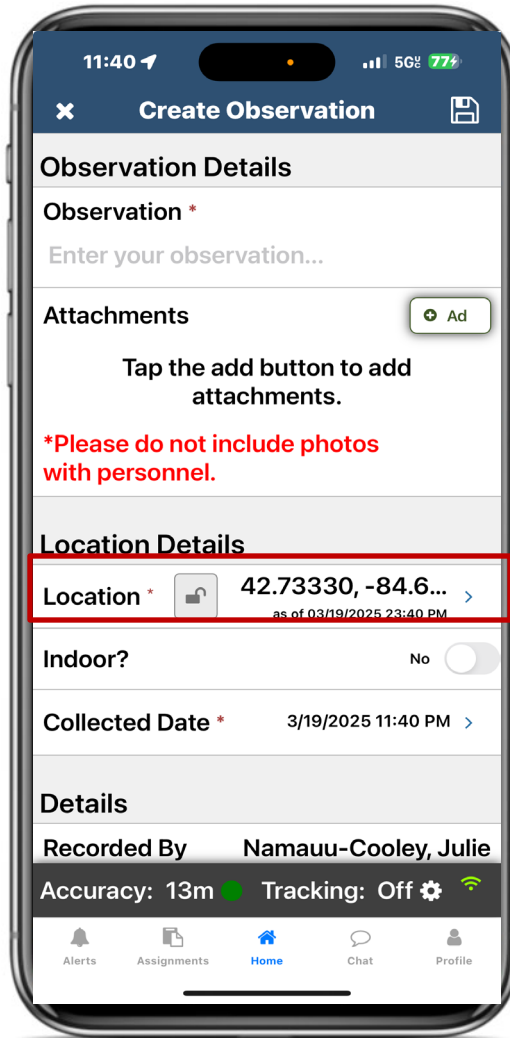
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# Data Collection

By Default your location is reported as your current location based on your device's GPS. View your location accuracy to determine acceptable margin of error

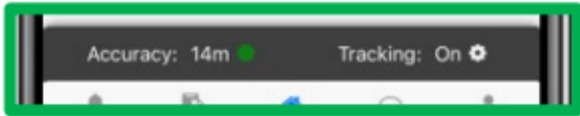


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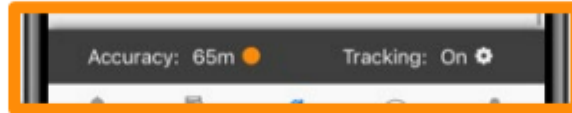


# Data Collection

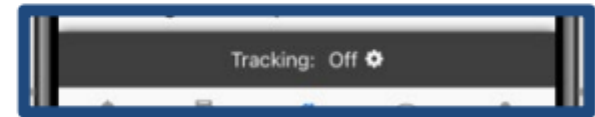
A color code is displayed next to your location accuracy depicted your accuracy range:



**Green:** Accuracy is 30 meters or less



**Orange:** Accuracy is greater than 30 meters

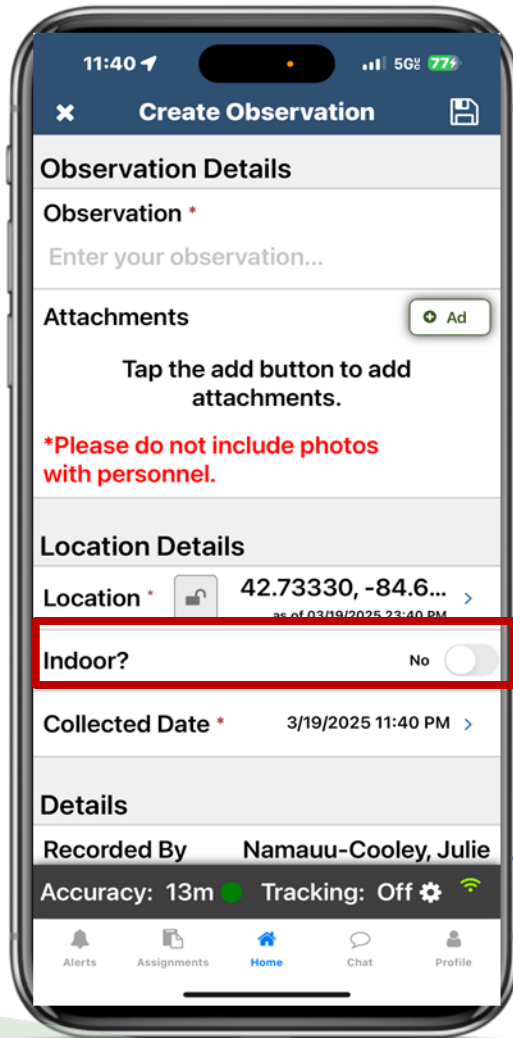


**None:** Location services have been turned off

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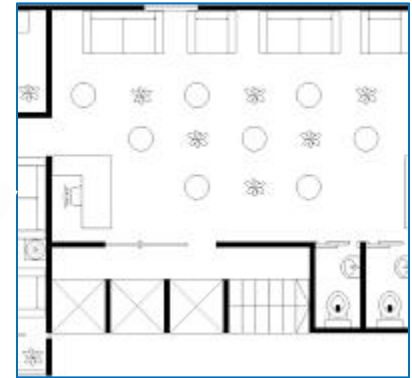
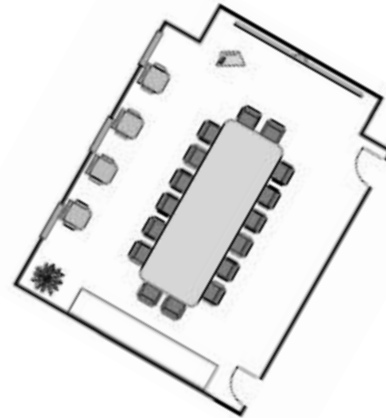
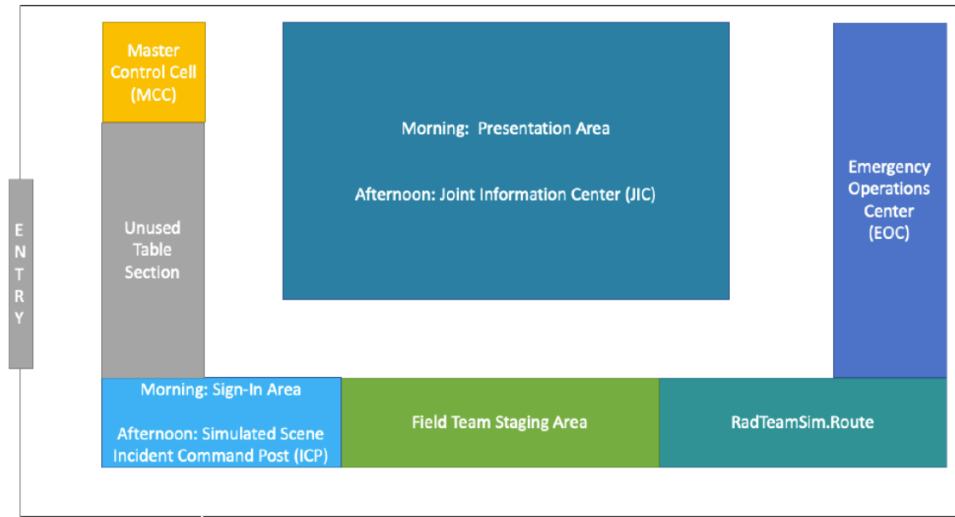
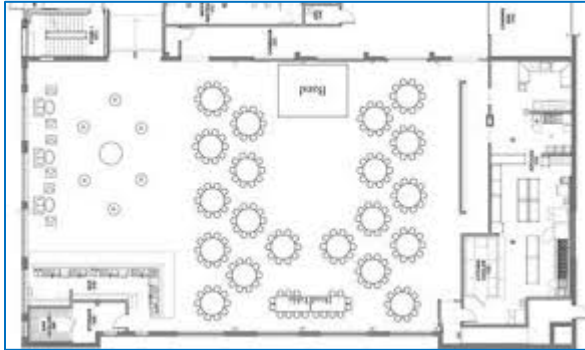
# Data Collection

If you are collecting indoor data, toggle on the "Indoor" field in the Location Details to display additional fields



# Indoor Monitoring

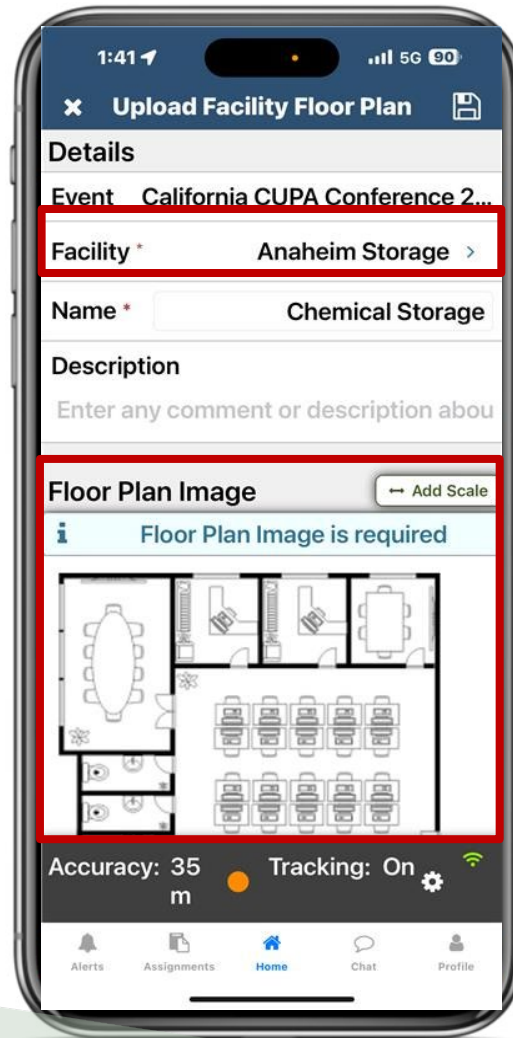
Enhanced location functionality is available via floor plans



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# Data Collection

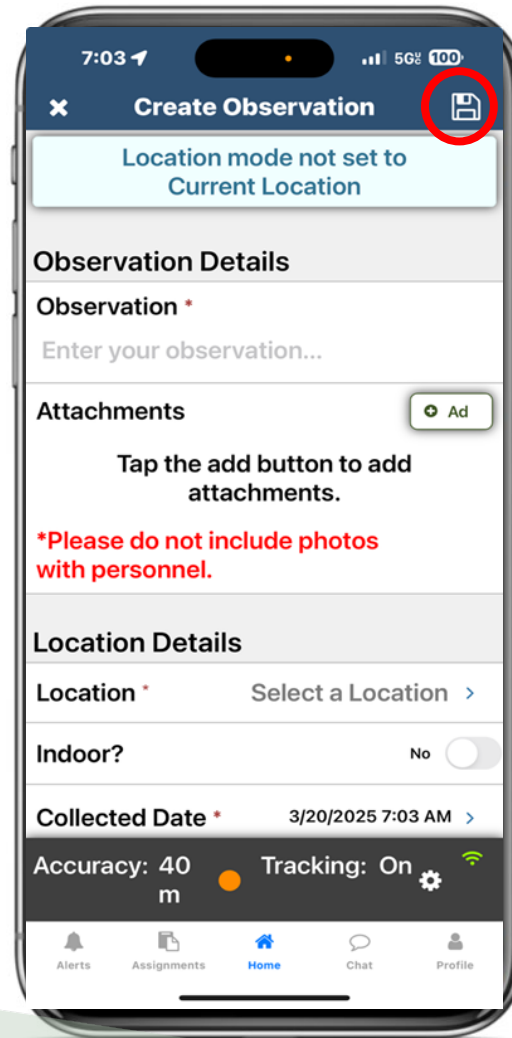
Select a facility  
and an associated  
floor plan



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# Data Collection

Save record once all required and optional fields are entered

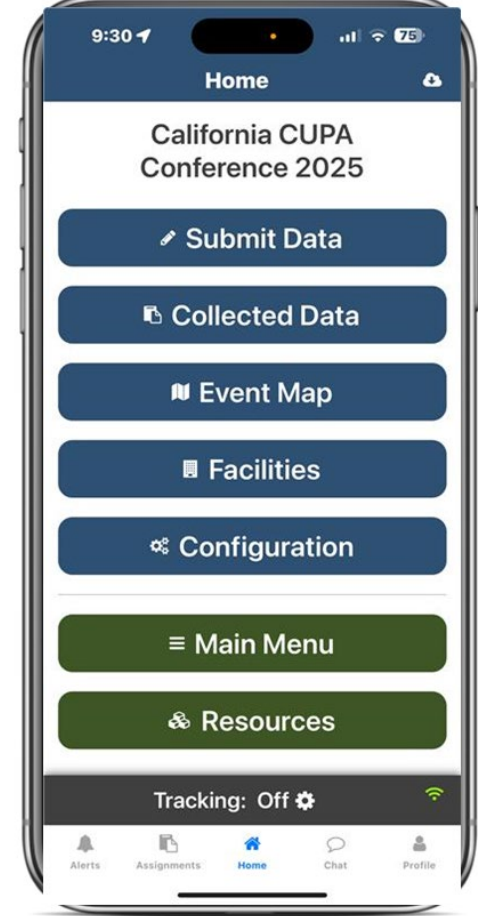
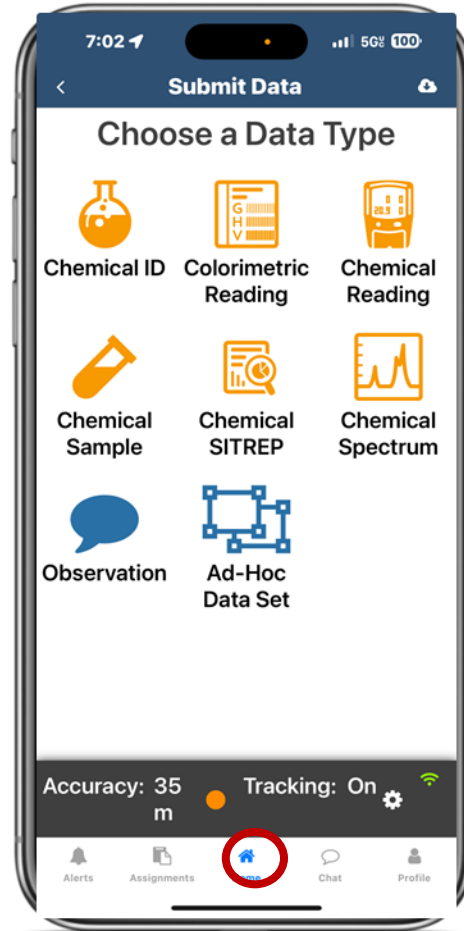
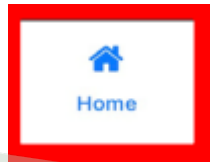


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# Data Collection

Upon submission of your data, select the home button at the bottom of the screen to return to the event home screen

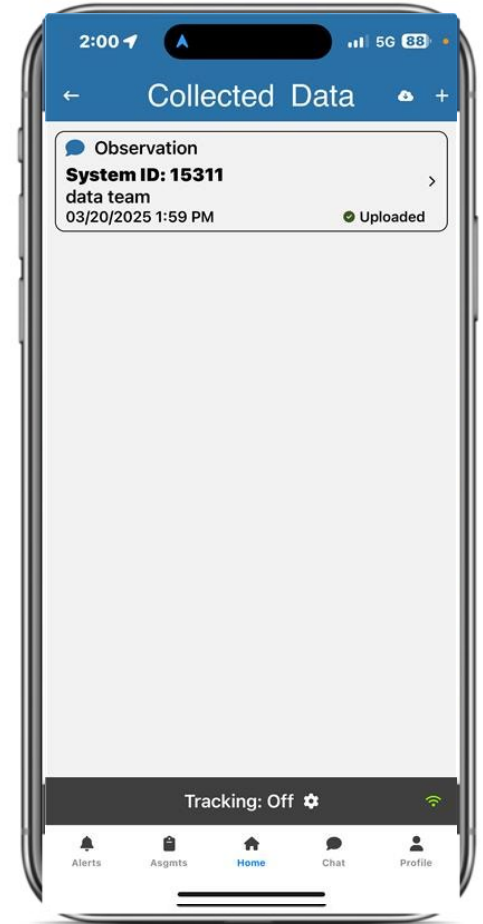
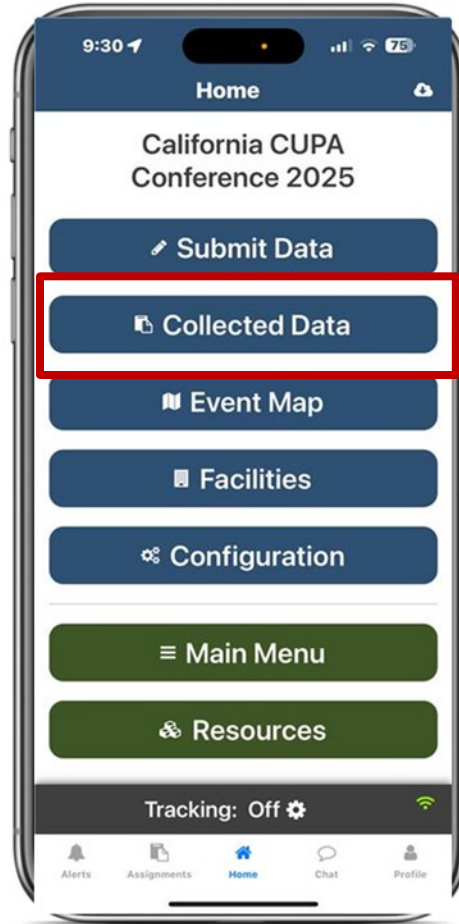


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# Data Collection

Click "Collected Data" from the event home screen to view data





# Data Collection

View collected data from the home screen. Once uploaded, it is available for all event responders to view via the website

The screenshot displays the 'Observations' section of a web application. The interface includes a navigation sidebar on the left with options like Dashboard, Details, Map, Submit Data, and Data. The main content area shows a table of observations with columns for ID, Date Taken, Source, Team, Collected By, Owning Organization, Location, Indoor?, Observation, and Has Attached. A single entry is visible, highlighted with a red border. Below the table, there is a pagination control showing 'Showing 1 to 1 of 1 entries' and a 'Previous' button.

ID	Date Taken	Source	Team	Collected By	Owning Organization	Location	Indoor?	Observation	Has Attached
15311	03/20/2025 09:59	iOS	data team	Namaau-Cooler, Julia	AttainX Inc.	Anaheim Storage	No	Anaheim Chemical Storage	No

# ACTIVITY

# Take 5 minutes to walk around the area and complete your respective tasks:

## January – June Birthdays

### Collect 2 Observations

#### First Observation:

1. Toggle on “indoor?” and set the facility to “Anaheim Storage” and the floor plan to “Site Map”
2. Enter a Fictional Observation

#### Second Observation:

1. Take a photo of your surroundings as an attachment
2. Toggle “indoor?” off and user your current location mode

## July – December Birthdays

### Collect 1 Chemical ID

1. Search for the Chemical “Ammonia”
2. Enter a Fictional concentration value and unit
3. Add a comment

# Live Event Map



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# Any Questions?

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