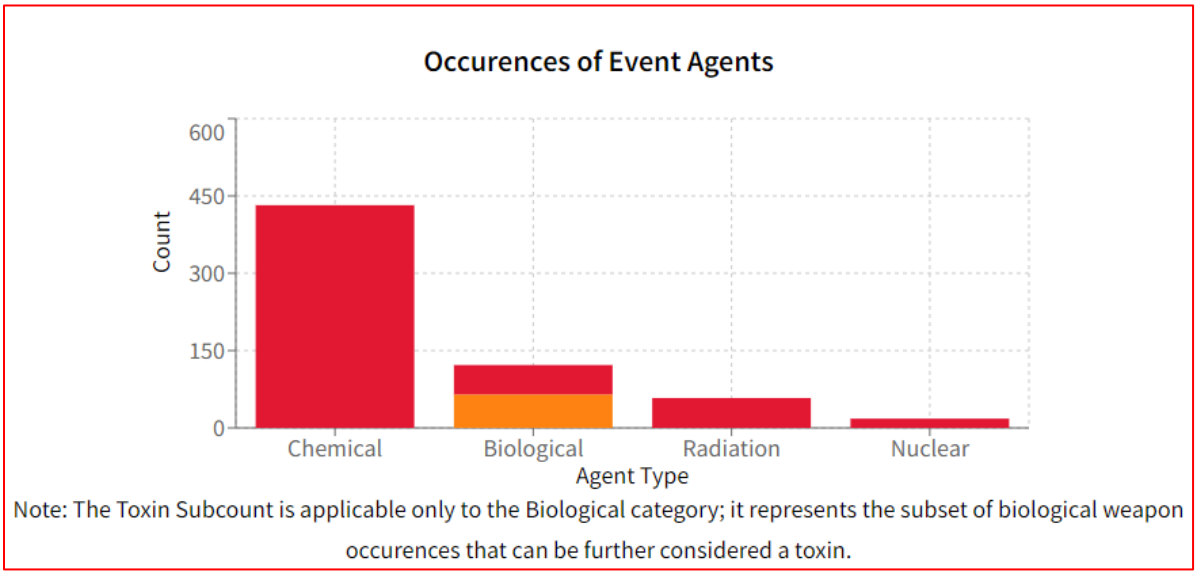
Violent Non-State Actor CBRN Data Portal (Version 1.0)

User Instruction: Quick Guide

1. The Data Portal provides data visualization through the use of bar graphs. Each database page (Event and Actor) provides the users with three (3) default graphs.
    a. The Event Database page provides graphs sorted by:
        i. Occurrence of Event(s) by Agent Type per Year
        ii. Overall occurrence of Events by Agent Type
        iii. Overall occurrence by Event Type (e.g., plot, agent acquisition, successful deployment, etc.)
    b. The Actor Database page provides graphs sorted by:
        i. Total Count of Actors by Type
        ii. Total Count of Actors by Education Level
        iii. Total Count of Actors by "Vocation" Type

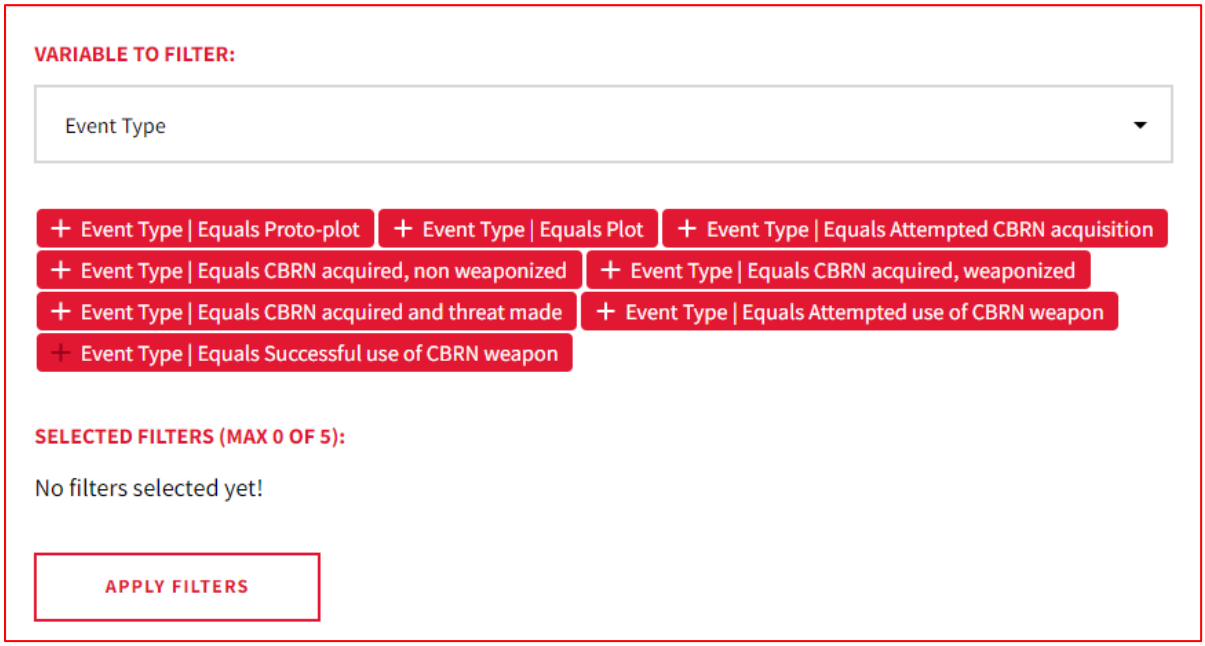
2. Graphs are set to show all relevant data unless the user applies a constraint (or a filter) to the data. Below is an example of this using the "Occurrence of total Events by Agent Type" graph. If a user wants to see all CBRN events by agent type, the user will simply select "Overall Occurrence of Event Agents" from the ***Graph*** selection box as seen in the picture below:

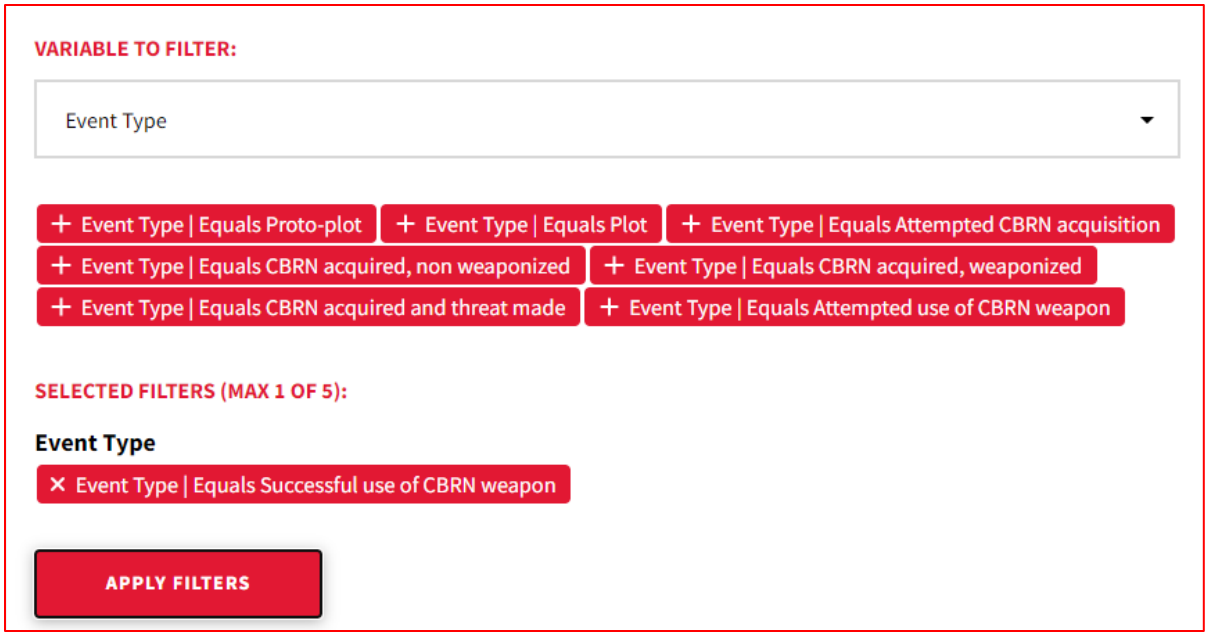
Once this graph type is selected, a table will appear below the ***Graph*** Selection Box showing all events contained in the VNSA CBRN Event Database organized by Agent Type, as seen in the graph located at the top of next page:



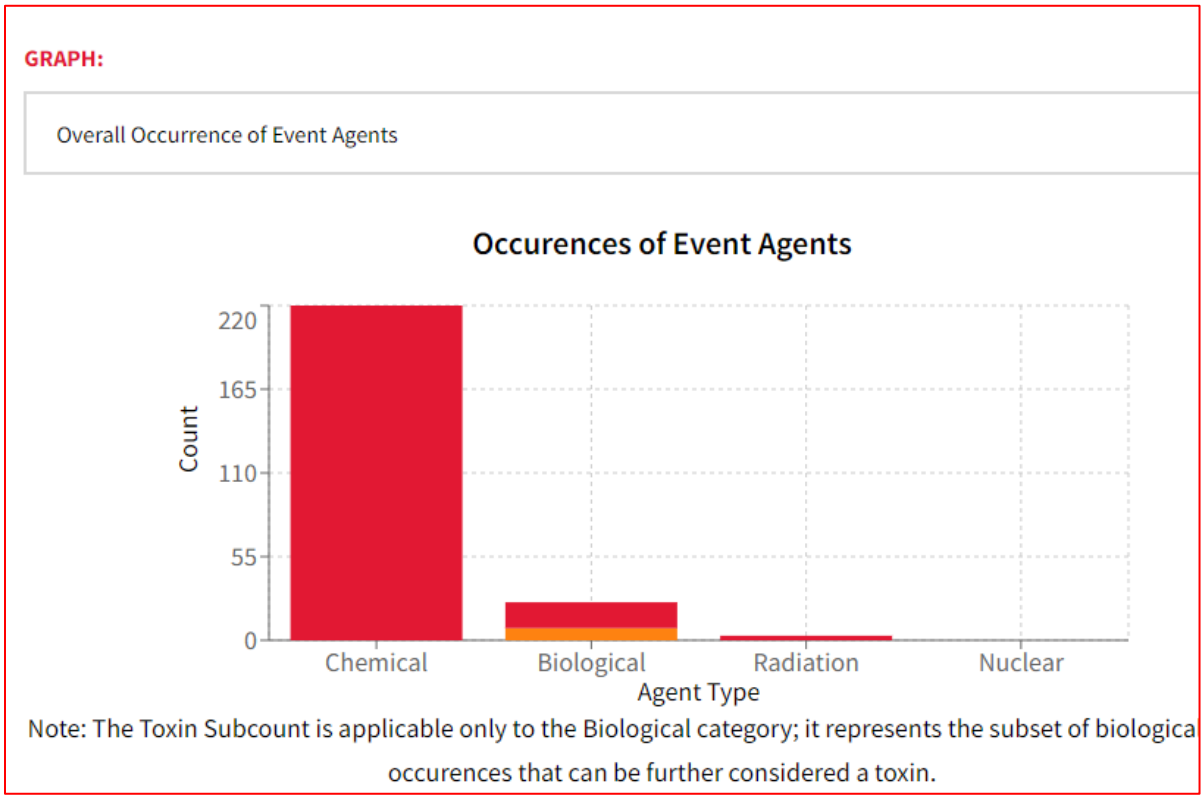
Note: The Toxin Subcount is applicable only to the Biological category; it represents the subset of biological weapon occurences that can be further considered a toxin.

If the user would like to only visualize those CBRN events where the perpetrators were able to deploy the CBRN weapons, then the user would go to the ***Variables to Filter***, select ***Event Type***, choose Event Type | Equals Successful use of CBRN weapon by clicking on the "+" sign, then press ***Apply* Filter.** See below for an illustration of this process:





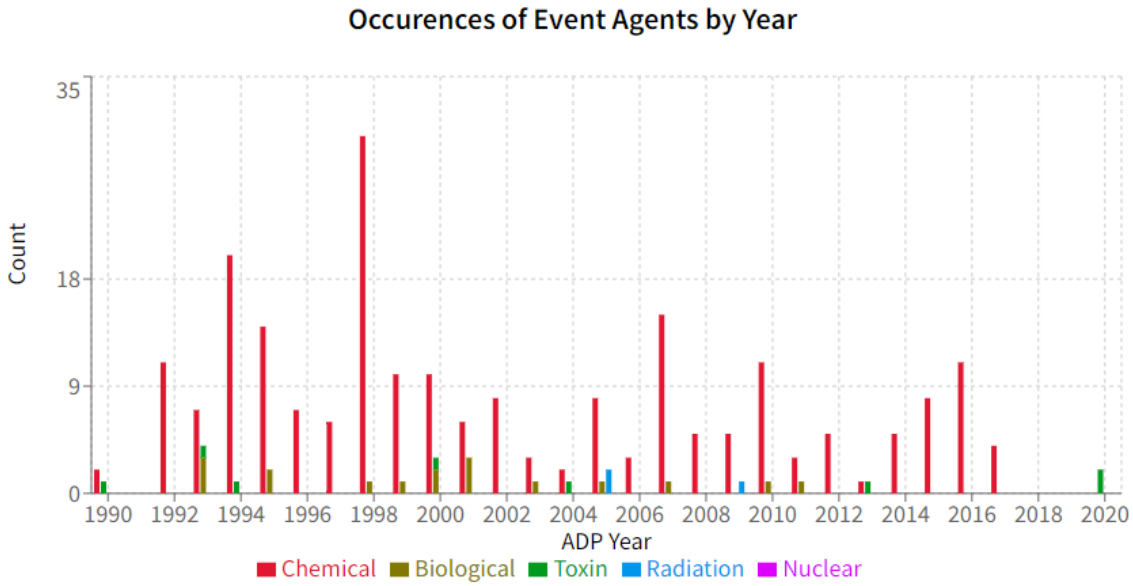
Once this is done, the graph should be displaying only those events that meet the ***Event Type*** criteria the user selected (see graph below).



The user can also choose to visualize the same data (all CBRN events where the perpetrators were able to deploy the CBRN weapons) using the other two graph types available as well. If the user chooses to do so, they will be as follows:

GRAPH:

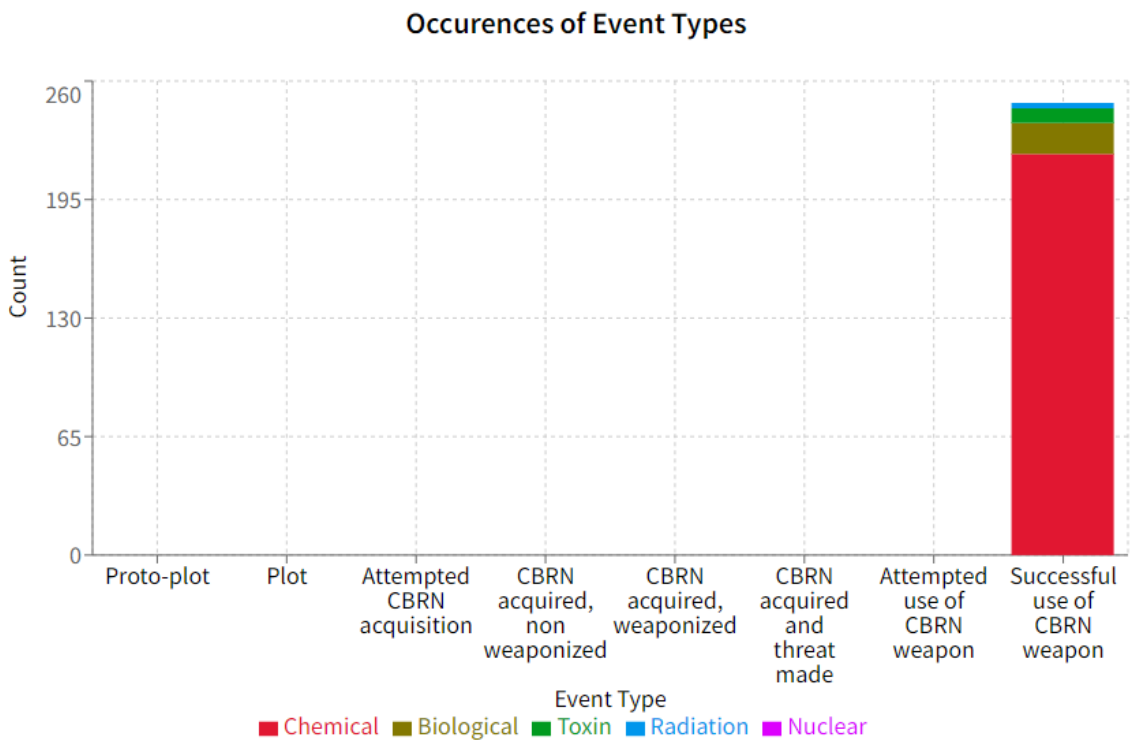
Occurrence of Event Agents by Year



Note: The Toxin is applicable only to the Biological category; it represents the subset of biological weapon occurences that can be further considered a toxin.

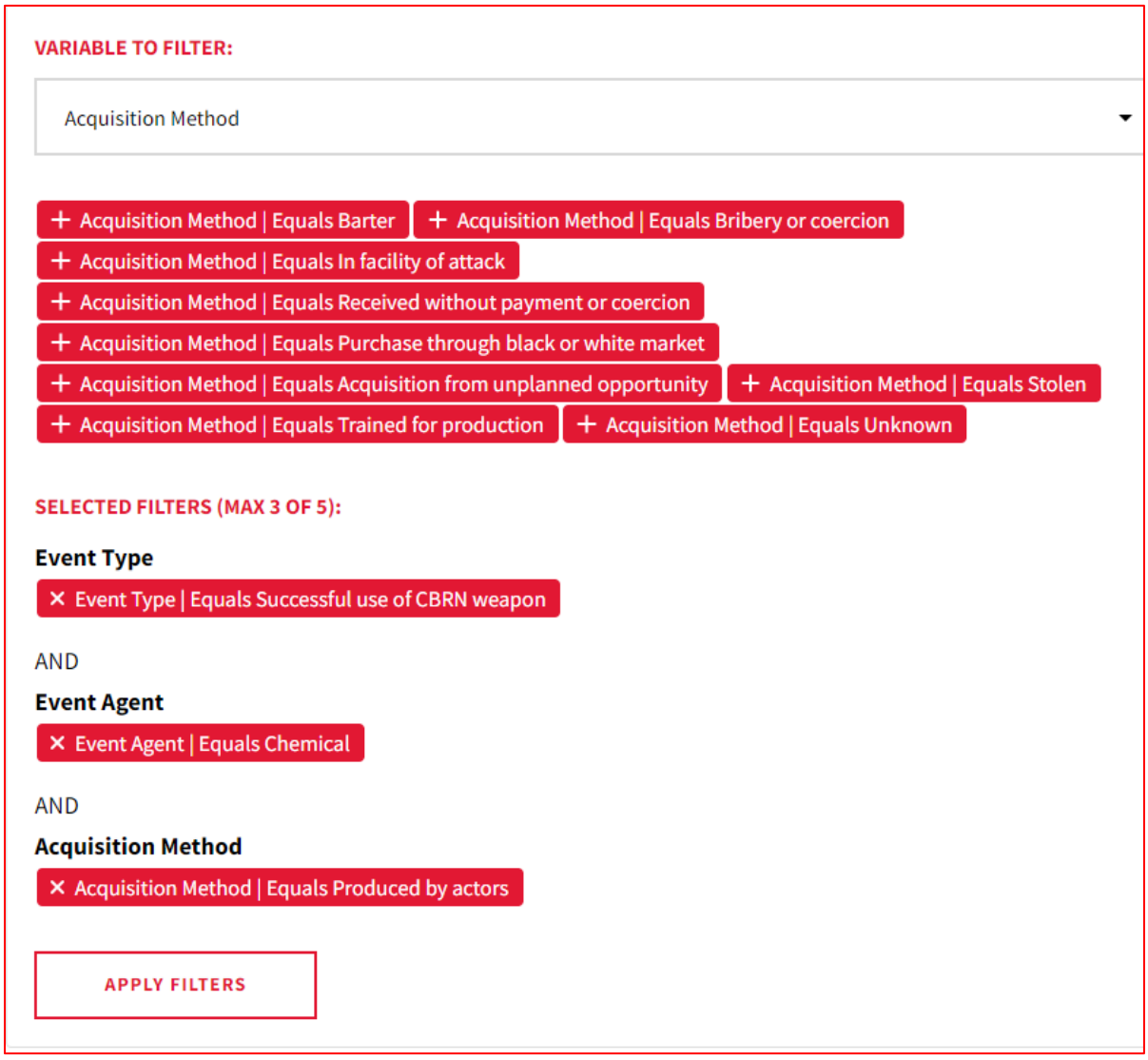
GRAPH:

Overall Occurrence of Event Types



Note: Toxins are a subset of biological weapon occurences that can be further considered a toxin. The sum of Toxin and Biological in the graphs gives the total number of Biological occurrences

3. If the user would like to choose multiple variables, that can be done by repeating the process of selecting the ***Variable*** from the ***Variable to Filter*** drop box and then choosing the ***variable value*** as many times as needed (but not to exceed a total of 5 variable values selected). Selecting multiple ***Variables*** and choosing multiple ***variable values*** would look as follows:



In the example shown above, this user selected three variables to filter the data by. First, the user selected ***Variable, Event Type*** and chose the value ***"Equals Successful use of CBRN weapon."*** Then the user selected ***Variable, Event Agent*** (Agent Type) and chose the value ***"Equals Chemical."*** Finally, the user selected ***Variable, Acquisition Method*** and chose the value ***"Equals Produced by actors."*** This would return all data contained in the database where the data meets the following criteria: All Chemical events where the perpetrators produced the chemical agent(s) themselves and were successful in deploying the chemical weapons containing said chemical agent(s).

4. Although this quick guide utilized the VNSA CBRN Event Database to demonstrate how to utilize the data portal, the logic needed to utilize the Actor Database is exactly the same.