NETSS Edit Checks Help Document

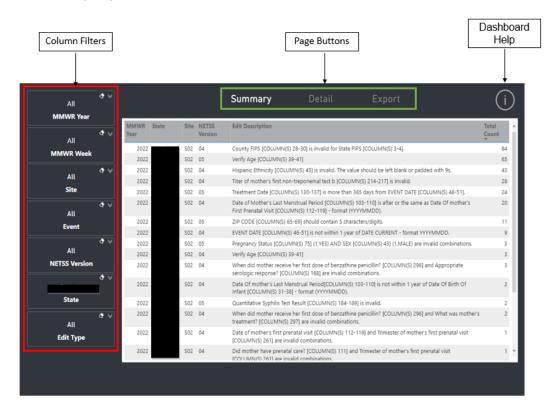
Intended use

The Power BI Edit Check dashboard was created as an interactive and secure means of assisting jurisdictions in the identification and revision of errors within the case report data sent by jurisdictions. The inherent interactivity of the dashboard allows jurisdictions to effortlessly generate a summary of the types and frequencies of errors that have been flagged and efficiently identify of specific records that contain uncommon errors. For security purposes, the tables and filters within the dashboard were designed to display errors relevant only to the state of the viewing jurisdiction. Errors in case submissions from jurisdictions of other states are not viewable as a result. As the dashboard was created to aid jurisdictions in the revision of their case report submissions, it is advised to use the dashboard as a means of identifying the currently unaddressed errors as well as case report data that require attention to improve data quality. Inquiries related to analyses should be requested from the STD Inquiry Mailbox (std_surv_inquiry@cdc.gov).

Using the Dashboard

Dashboard layout

Upon opening the dashboard, the summary page will open and display an unpopulated table. The summary page is one of 3 pages, each of which allows the user to efficiently identify specific characteristics of the errors in the case report data. Included among these is the "Detail" page, the "Summary" page, and the "Export" page. Each page is similar in that it includes a customized user interface and an interactive table to facilitate the identification and revision of errors by jurisdiction. The basic layout each page includes a set of filters to show errors and case report data with specific characteristics, an interactive table with sorting and data exporting features, and 3 pages to explore the data from a different perspective.



Getting Started: State selection

The filters shown to the left in the dashboard allow end-users to limit the display of edit types to match certain criteria specified in the filters. To populate the table with relevant data for a state, click the arrow icon within the top right corner of the state filter. The table indicating the identified errors in the case report data will then populate:



Note: As previously described, the data that is displayed in the dashboard is based on state-based permissions (e.g., Florida's state and local health department staff will only see Florida data), as per the permissions of each health department, the dropdown menu will, in most cases, be populated with only one state and its associated edit checks for selection.

Sorting and Filtering the Data

As previously seen with the state filter, the filters on the left of each page can be used to limit the displayed errors to rows with specific characteristics in the case report data. Each filter has two main components. The first is the card which displays the values of a variable that may be shown in the current table based on the current settings of its filter. The second is the slicer where users can limit the displayed errors to those containing the selected values within a variable. Clicking the downward pointing arrow on the selected filter will switch to the slicer where users can filter the table of errors.



Clicking the upward pointing arrow on the slicer will close the variable's value selection menu and return to the initially displayed card while displaying the selected values within it. The eraser icon on the card, when clicked, will remove the filter conditions that were set for the affected column such that the rows that were previously removed only due to the variable's filter condition will reappear in the table.



Users can sort the rows of each table by clicking on the name of the column that they wish to sort by. When first clicking a column name, all rows will be sorted in ascending order based on the value within the clicked column. By clicking the column name again, the table will then be sorted in descending order.



By default, the table shown above is sorted by the edit (row) number which is ordered by site, expanded case ID, and event date.

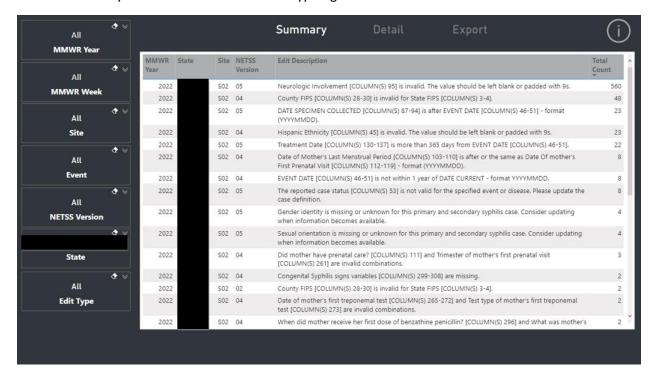
Pages of the Dashboard

This dashboard includes three pages: "Detail" page, the "Summary" page, and the "Export" page. Each page of the dashboard includes a customized user interface as well as an interactive table to facilitate the identification and revision of errors of state jurisdictions. Each page was designed to serve slightly different purposes and includes a unique range of columns and filters as a result:

Column Name	Description	Summary	Detail	Export
MMWR Year	Epidemiological year for which case information was reported to the CDC.	✓	√	√
State	State reporting case information & jurisdiction of case (based on patient residence).	✓	√	√
Site	Location code assigned by the state to indicate where report originated and who has responsibility for maintaining the record.	√	√	✓
Expanded Case ID	Unique Expanded Case ID assigned by the state.	X	✓	✓
NETSS Version	NETSS Implementation Plan Version specified for the reported case.	Х	√	√
MMWR Week	Week of the epidemiological year for which the case was reported to the CDC.	X	√	√
Edit Description	Description of the error or warning associated with the case report data.	X	√	√
Event Name	STD or associated syndrome (health event) for which the case-patient has been diagnosed.	X	✓	✓
Event Code	STD or associated syndrome (health event) for which the case-patient has been diagnosed.	X	√	✓
Event Date	Date of disease in YYMMDD format.	X	✓	✓
Date Type	Describes the type of date provided in Event Date.	х	√	√
Edit Number	Row number assigned to case report errors or warnings on case information on the basis of site, expanded case ID, and event date.	x	✓	✓
Page Number	Page assigned to each error or warning on the basis of its edit (row) number where each page consists of 30,000 rows of errors.	x	x	✓
Total Count	Total number of times that an error has appeared in all case report records in the MMWR year for the current site and NETSS implementation plan version.	✓	X	X

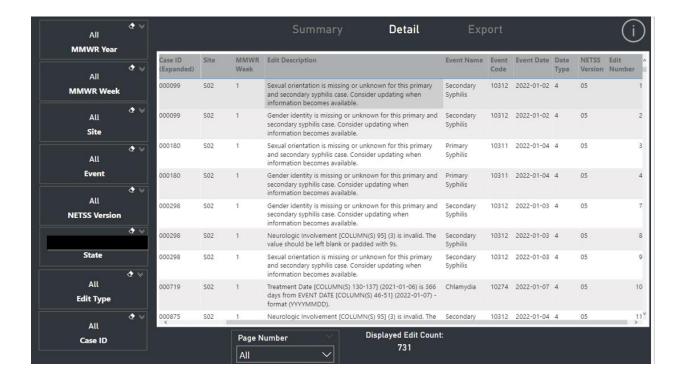
Summary

This page displays the total frequency of errors and warnings of each category within a site's jurisdiction by MMWR year and the recorded NETSS implementation plan version. In contrast to the "Detail" and "Export" pages which display line-listed errors and warnings in the case report data, the "Summary" page can concisely indicate the total frequency of recurring errors in the transmission of certain fields as well uncommonly invalid values in fields from typological errors.



Detail

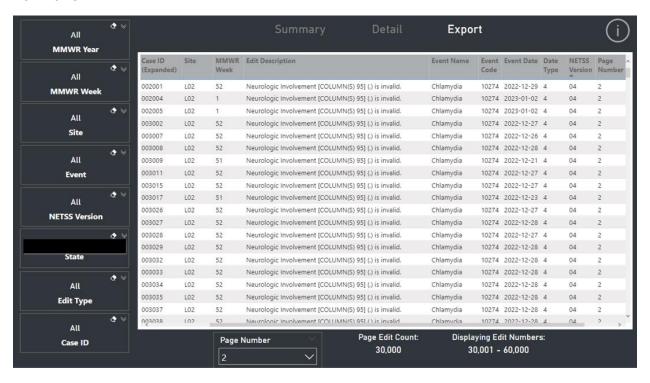
This page displays descriptive information for all identified errors within the same state. This page was originally created to be the default method for displaying individual errors and warnings in line-listed case report data. As a result, the main utility of the "Detail" page is as a tool for interactive edit check exploration within Power BI utilizing the inbuilt tools for sorting, filtering, and exporting the data.



Note: only the first displayed 30,000 rows will be exported when the "Displayed Edit Count" exceeds 30,000 rows after filtering the table. Consider using the "Export" page to download each page of the table at a time when it exceeds the 30,000-row export limit.

Export

This page was created solely to assist state jurisdictions in exporting the line-listed case report data in circumstances where their table exceeds 30,000 errors. It works similarly to the "Detail" page while overcoming Power BI's inherent 30,000-row export limit by splitting the table containing all edits into separate pages of tables. Each page of the table will contain at most 30,000 rows sorted by MMWR Year, Case ID, and site. As a result, the "Export" tab allows for the page-by-page exporting of all identified edits in circumstances where the required edits otherwise exceed the row limit for exporting from Power BI.



Note: In cases where state jurisdictions have recorded 30,000 individual errors and warnings or less in the Detail page, this page will function identically to the "Detail" page.

Downloading The Data

Power BI allows users to export the tables displayed on each page. Upon exporting a table, it will be downloaded as a CSV file exactly as the data appears on the page on the condition that it contains **30,000 rows or less**. As a result, jurisdictions can download a filtered copies of the NETSS case report data tables for their jurisdictions while also retaining the row order after sorting. As shown in the figure, the table can be exported by:

- 1) hovering over the table
- 2) click the options icon denoted by 3 dots
- 3) click "Export Data"

				Summary	Detail	Export		i)
MMWR Year	State	Site	NETSS Version	Edit Description	-	*		Export data Show as a table
2022		502	04	EVENT DATE [COLUMN(S) 46-51] is not within 1 year	ar of DATE CURRENT - format Y	X	Remove
2022		S02	04	Hispanic Ethnicity [COLU	MN(S) 45] is invalid. The vi	alue should be left blank or pad	ංශී	Automatically find clusters
2022		S02	04	Titer of mother's first nor	n-treponemal test b [COLU	IMN(S) 214-217] is invalid.		Spotlight
2022		S02	05	Pregnancy Status [COLUN	MN(S) 75] (1,YES) AND SEX	([COLUMN(S) 43] (1,MALE) are i	1 ½	Sort descending
2022		S02	05	Treatment Date [COLUMI	N(S) 130-137] is more than	365 days from EVENT DATE [Co	√ ↓ ½	Sort ascending
2022		S02	05	Verify Age [COLUMN(S) 3	39-41]			Sort by

Data Considerations

The data shown in this dashboard specifically corresponds to the edit checks of case reports that have been identified as needing correction and/or review by their respective site and is updated weekly. Only edit checks from the currently opened MMWR years will be displayed. As the Power BI module only displays currently identified issues corresponding to each site, as edit checks of records are addressed and resubmitted to the CDC, the edit check will no longer appear in the dashboard. For any questions, please contact the inquiry mailbox at std surv inquiry@cdc.gov.