

STD Edit Checks Help Document

Intended use

The STD Edit Check dashboard was created as an interactive, secure, web-accessible platform to assist jurisdictions in the identification and revision of errors within the case report data. The inherent interactivity of the dashboard allows jurisdictions that send case notification data to CDC via NETSS to generate a summary of the types and frequencies of errors that have been flagged and identify of specific records that contain uncommon errors. 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. Questions related to dashboard technical issues should be sent to dstdp_dashboards@cdc.gov. Questions related to data errors should be sent to the STD Inquiry mailbox (std_surv_inquiry@cdc.gov).

Using the Dashboard

Dashboard layout

The dashboard includes 3 pages: the “Summary” page, the “Detail” page, and the “Export” page. Each page includes a customized user interface containing column filters, a page selection menu, and an interactive table that allows users to interactively sort, filter, and export edit checks for the identification and revision of errors. Upon opening the dashboard, the summary page will open and display an unpopulated table. Upon selecting the state, the tables on each page will populate, displaying the frequency of categories of errors on the “Summary” page and line-listed errors and warnings for the case report data on the “Detail” and “Export” pages.

The screenshot shows the dashboard interface with three main components annotated by boxes and arrows:

- Column Filters:** A vertical sidebar on the left containing filters for MMWR Year, MMWR Week, Site, Event, NETSS Version, State (with a dropdown arrow), and Edit Type.
- Page Buttons:** A horizontal bar at the top center with three buttons: "Summary" (highlighted with a green box), "Detail", and "Export".
- Dashboard Help:** A circular icon with an 'i' inside, located in the top right corner.

The main content area displays a table with the following columns: MMWR Year, State, Site, NETSS Version, Edit Description, and Total Count. The table contains 15 rows of error data.

MMWR Year	State	Site	NETSS Version	Edit Description	Total Count
2022		S02	04	County FIPS [COLUMN(S) 28-30] is invalid for State FIPS [COLUMN(S) 3-4].	84
2022		S02	05	Verify Age [COLUMN(S) 39-41]	65
2022		S02	04	Hispanic Ethnicity [COLUMN(S) 45] is invalid. The value should be left blank or padded with 9s.	43
2022		S02	04	Titer of mother's first non-treponemal test b [COLUMN(S) 214-217] is invalid.	28
2022		S02	05	Treatment Date [COLUMN(S) 130-137] is more than 365 days from EVENT DATE [COLUMN(S) 46-51].	24
2022		S02	04	Date of Mother's Last Menstrual Period [COLUMN(S) 103-110] is after or the same as Date Of mother's First Prenatal Visit [COLUMN(S) 112-119] - format (YYYYMMDD).	20
2022		S02	05	ZIP CODE [COLUMN(S) 65-69] should contain 5 characters/digits.	11
2022		S02	04	EVENT DATE [COLUMN(S) 46-51] is not within 1 year of DATE CURRENT - format YYYYMMDD.	9
2022		S02	05	Pregnancy Status [COLUMN(S) 75] (1,YES) AND SEX [COLUMN(S) 43] (1,MALE) are invalid combinations.	3
2022		S02	04	Verify Age [COLUMN(S) 39-41]	3
2022		S02	04	When did mother receive her first dose of benzathine penicillin? [COLUMN(S) 296] and Appropriate serologic response? [COLUMN(S) 168] are invalid combinations.	3
2022		S02	04	Date Of mother's Last Menstrual Period[COLUMN(S) 103-110] is not within 1 year of Date Of Birth Of Infant [COLUMN(S) 31-38] - format (YYYYMMDD).	2
2022		S02	05	Quantitative Syphilis Test Result [COLUMN(S) 184-189] is invalid.	2
2022		S02	04	When did mother receive her first dose of benzathine penicillin? [COLUMN(S) 296] and What was mother's treatment? [COLUMN(S) 297] are invalid combinations.	2
2022		S02	04	Date of mother's first prenatal visit [COLUMN(S) 112-119] and Trimester of mother's first prenatal visit [COLUMN(S) 261] are invalid combinations.	1
2022		S02	04	Did mother have prenatal care? [COLUMN(S) 111] and Trimester of mother's first prenatal visit [COLUMN(S) 261] are invalid combinations.	1

Getting Started: State selection

The filters shown to the left in the dashboard allows end-users to limit the display of errors in case report data to those that 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. Next, select your state jurisdiction. The table indicating the identified errors in the case report data will then populate:

The dashboard interface shows a sidebar with filters on the left and a main content area with tabs for Summary, Detail, and Export. The 'NETSS Version' filter is highlighted with a yellow circle and an arrow pointing to a dropdown menu. The dropdown menu lists states: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, and (Blank). Another arrow points from the 'State' filter in the dropdown to the 'Summary' tab of the dashboard, which displays a table of errors.

MMWR Year	State	Site	NETSS Version	Edit Description	Total Count
2022		502	04	County FIPS [COLUMN(S) 28-30] is invalid for State FIPS [COLUMN(S) 3-4].	84
2022		502	05	Verify Age [COLUMN(S) 39-41]	65
2022		502	04	Hispanic Ethnicity [COLUMN(S) 43] is invalid. The value should be left blank or padded with 9s.	43
2022		502	04	Title of mother's first non-treponemal test b [COLUMN(S) 214-217] is invalid.	28
2022		502	05	Treatment Date [COLUMN(S) 130-137] is more than 365 days from EVENT DATE [COLUMN(S) 46-51].	24
2022		502	04	Date of Mother's Last Menstrual Period [COLUMN(S) 103-110] is after or the same as Date of mother's First Prenatal Visit [COLUMN(S) 112-119] - format (YYYYMMDD).	20
2022		502	05	ZIP CODE [COLUMN(S) 65-69] should contain 5 characters/digits.	11
2022		502	04	EVENT DATE [COLUMN(S) 46-51] is not within 1 year of DATE CURRENT - format YYYYMMDD.	9
2022		502	05	Pregnancy Status [COLUMN(S) 75] (1,YES) AND SEX [COLUMN(S) 48] (1,MALE) are invalid combinations.	3
2022		502	04	Verify Age [COLUMN(S) 39-41]	3
2022		502	04	When did mother receive her first dose of benzathine penicillin? [COLUMN(S) 296] and Appropriate serologic response? [COLUMN(S) 168] are invalid combinations.	3
2022		502	04	Date of mother's Last Menstrual Period [COLUMN(S) 103-110] is not within 1 year of Date Of Birth Of Infant [COLUMN(S) 31-38] - format (YYYYMMDD).	2
2022		502	05	Quantitative Syphilis Test Result [COLUMN(S) 184-189] is invalid.	2
2022		502	04	When did mother receive her first dose of benzathine penicillin? [COLUMN(S) 296] and What was mother's treatment? [COLUMN(S) 297] are invalid combinations.	2
2022		502	04	Date of mother's first prenatal visit [COLUMN(S) 112-119] and Trimester of mother's first prenatal visit [COLUMN(S) 261] are invalid combinations.	1
2022		502	04	Did mother have prenatal care? [COLUMN(S) 111] and Trimester of mother's first prenatal visit [COLUMN(S) 261] are invalid combinations.	1

Note: The data that can be displayed in the dashboard is based on state-based permissions for the current jurisdiction (e.g., Florida's state and local health department staff will only see Florida data).

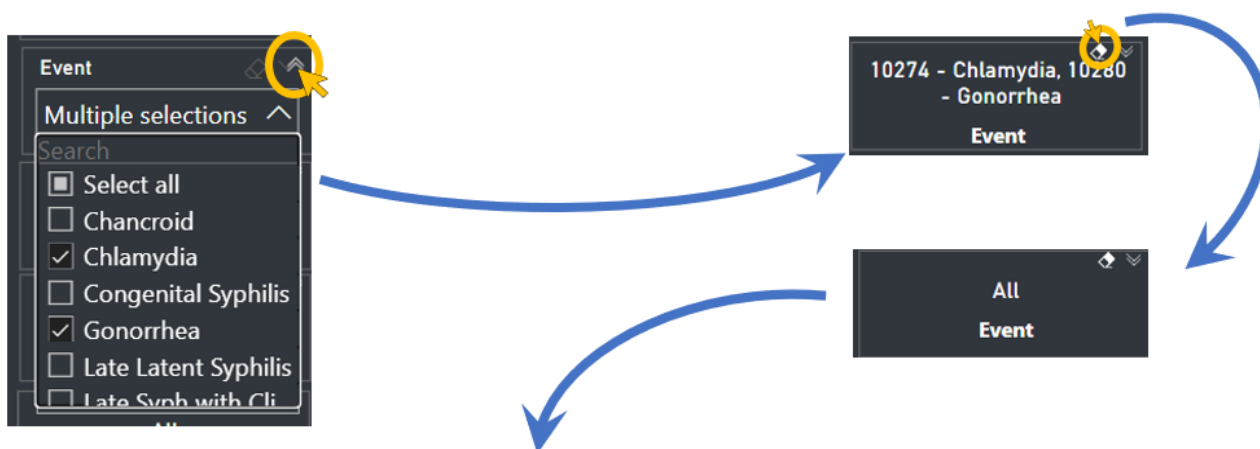
Sorting and Filtering the Data

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 can 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 its associated variable. Clicking the downward pointing arrow on the selected filter will switch to the slicer where users can filter the table of errors.

The diagram illustrates the process of filtering data. It starts with a card labeled "All Event". A yellow circle highlights a downward arrow on the card. A blue arrow points from this card to a "Multiple selections" slicer. The slicer lists various events, with "Gonorrhea" selected and highlighted by a yellow starburst. Another blue arrow points from the slicer to a data table.

MMWR Year	State	Case ID (Expanded)	Site	MMWR Week	Edit Description	Event Name	Event Code	Event Date	Date Type
2022			S02	3	DATE SPECIMEN COLLECTED [COLUMN(S) 87-94] (2000-01-21) is 8036 days from EVENT DATE [COLUMN(S) 46-51] (2022-01-21) - format (YYYYMMDD).	Chlamydia	10274	2022-01-21	3
2022			S02	5	Pregnancy Status [COLUMN(S) 75] (1,YES) AND Sex [COLUMN(S) 43] (1,MALE) are invalid combinations.	Chlamydia	10274	2022-02-02	2
2022			S02	5	DATE SPECIMEN COLLECTED [COLUMN(S) 87-94] (2020-02-05) is 731 days from EVENT DATE [COLUMN(S) 46-51] (2022-02-05) - format (YYYYMMDD).	Gonorrhea	10280	2022-02-05	3

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 column's previously set filter conditions.



MMWR Year	State	Case ID (Expanded)	Site	MMWR Week	Edit Description	Event Name	Event Code	Event Date	Date Type
2022			S02	11	DATE SPECIMEN COLLECTED [COLUMN(S) 87-94] (2000-10-30) is 7810 days from EVENT DATE [COLUMN(S) 46-51] (2022-03-19) - format (YYYYMMDD).	Chlamydia	10274	2022-03-19	3
2022			S02	11	Pregnancy Status [COLUMN(S) 75] (1,YES) AND Sex [COLUMN(S) 43] (1,MALE) are invalid combinations.	Chlamydia	10274	2022-03-14	2
2022			S02	1	Hispanic Ethnicity [COLUMN(S) 45] (2) is invalid. The value should be left blank or padded with 9s.	Congenital Syphilis	10316	2022-01-06	4

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 MMWR year, site, expanded case ID, and event date.

A yellow arrow points to the 'Edit Number' column header in the table below, indicating the default sorting order.

Site	MMWR Week	Edit Description	Event Name	Event Code	Event Date	Date Type	NETSS Version	Edit Number
S02	1	DATE SPECIMEN COLLECTED [COLUMN(S) 87-94] (2020-10-06) is 456 days from EVENT DATE [COLUMN(S) 46-51] (2022-01-05) - format (YYYYMMDD).	Primary Syphilis	10311	2022-01-05	4	05	1
S02	1	Treatment Date [COLUMN(S) 130-137] (2020-10-07) is 455 days from EVENT DATE [COLUMN(S) 46-51] (2022-01-05) - format (YYYYMMDD).	Chlamydia	10274	2022-01-05	4	05	2
S02	1	DATE SPECIMEN COLLECTED [COLUMN(S) 87-94] (2020-10-01) is 461 days from EVENT DATE [COLUMN(S) 46-51] (2022-01-05) - format (YYYYMMDD).	Chlamydia	10274	2022-01-05	4	05	3
S02	1	DATE SPECIMEN COLLECTED [COLUMN(S) 87-94] (2021-04-26) is 616 days from EVENT DATE [COLUMN(S) 46-51] (2023-01-02) - format (YYYYMMDD).	Syphilis, early non-primary non-secondary	10313	2023-01-02	4	05	4

Pages of the Dashboard

Table Layout

The “Detail” page, the “Summary” page, and the “Export” page were each designed to serve slightly different purposes to aid in the exploration and revision of errors. The tables on each page include 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.	X	✓	✓
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.	X	✓	✓
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 for each category within a 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 indicate recurring errors in the transmission of certain fields as well invalid values in fields that may have resulted from typographical errors.

All

MMWR Year

All

MMWR Week

All

Site

All

Event

All

NETSS Version

State

All

Edit Type

Summary

Detail

Export

i

MMWR Year	State	Site	NETSS Version	Edit Description	Total Count
2022		S02	05	Neurologic Involvement [COLUMN(S) 95] is invalid. The value should be left blank or padded with 9s.	560
2022		S02	04	County FIPS [COLUMN(S) 28-30] is invalid for State FIPS [COLUMN(S) 3-4].	48
2022		S02	05	DATE SPECIMEN COLLECTED [COLUMN(S) 87-94] is after EVENT DATE [COLUMN(S) 46-51] - format (YYYYMMDD).	23
2022		S02	04	Hispanic Ethnicity [COLUMN(S) 45] is invalid. The value should be left blank or padded with 9s.	23
2022		S02	05	Treatment Date [COLUMN(S) 130-137] is more than 365 days from EVENT DATE [COLUMN(S) 46-51].	22
2022		S02	04	Date of Mother's Last Menstrual Period [COLUMN(S) 103-110] is after or the same as Date Of mother's First Prenatal Visit [COLUMN(S) 112-119] - format (YYYYMMDD).	8
2022		S02	04	EVENT DATE [COLUMN(S) 46-51] is not within 1 year of DATE CURRENT - format YYYYMMDD.	8
2022		S02	05	The reported case status [COLUMN(S) 53] is not valid for the specified event or disease. Please update the case definition.	8
2022		S02	05	Gender identity is missing or unknown for this primary and secondary syphilis case. Consider updating when information becomes available.	4
2022		S02	05	Sexual orientation is missing or unknown for this primary and secondary syphilis case. Consider updating when information becomes available.	4
2022		S02	04	Did mother have prenatal care? [COLUMN(S) 111] and Trimester of mother's first prenatal visit [COLUMN(S) 261] are invalid combinations.	3
2022		S02	04	Congenital Syphilis signs variables [COLUMN(S) 299-308] are missing.	2
2022		S02	02	County FIPS [COLUMN(S) 28-30] is invalid for State FIPS [COLUMN(S) 3-4].	2
2022		S02	04	Date of mother's first treponemal test [COLUMN(S) 265-272] and Test type of mother's first treponemal test [COLUMN(S) 273] are invalid combinations.	2
2022		S02	04	When did mother receive her first dose of benzathine penicillin? [COLUMN(S) 296] and What was mother's	2

Detail

This page displays descriptive information for all identified errors within the same state. This page was originally created to be the default method of 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.

SummaryDetailExport										
Case ID (Expanded)SiteMMWR WeekEdit DescriptionEvent NameEvent CodeEvent DateDate TypeNETSS VersionEdit Number										
000099	S02	1	Sexual orientation is missing or unknown for this primary and secondary syphilis case. Consider updating when information becomes available.	Secondary Syphilis	10312	2022-01-02	4	05		1
000099	S02	1	Gender identity is missing or unknown for this primary and secondary syphilis case. Consider updating when information becomes available.	Secondary Syphilis	10312	2022-01-02	4	05		2
000180	S02	1	Sexual orientation is missing or unknown for this primary and secondary syphilis case. Consider updating when information becomes available.	Primary Syphilis	10311	2022-01-04	4	05		3
000180	S02	1	Gender identity is missing or unknown for this primary and secondary syphilis case. Consider updating when information becomes available.	Primary Syphilis	10311	2022-01-04	4	05		4
000298	S02	1	Gender identity is missing or unknown for this primary and secondary syphilis case. Consider updating when information becomes available.	Secondary Syphilis	10312	2022-01-03	4	05		7
000298	S02	1	Neurologic Involvement [COLUMN(S) 95] (3) is invalid. The value should be left blank or padded with 9s.	Secondary Syphilis	10312	2022-01-03	4	05		8
000298	S02	1	Sexual orientation is missing or unknown for this primary and secondary syphilis case. Consider updating when information becomes available.	Secondary Syphilis	10312	2022-01-03	4	05		9
000719	S02	1	Treatment Date [COLUMN(S) 130-137] (2021-01-06) is 366 days from EVENT DATE [COLUMN(S) 46-51] (2022-01-07) - format (YYYYMMDD).	Chlamydia	10274	2022-01-07	4	05		10
000875	S02	1	Neurologic Involvement [COLUMN(S) 95] (3) is invalid. The	Secondary	10312	2022-01-04	4	05		11

Page Number

All

Displayed Edit Count: 731

Note that only the first 150,000 rows of the currently displayed table will be exported when its edit count exceeds 150,000 rows. Consider exporting after filtering the table into subsections using the “Page Number” selection menu or using the “Export” page to download each page of the table at a time when it exceeds the 150,000-row export limit.

Export

This page was created solely to assist jurisdictions in exporting the line-listed case report data when their table exceeds 150,000 errors. It works similarly to the “Detail” page while overcoming Power BI’s inherent 150,000-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.

Summary Detail Export i										
Case ID (Expanded)	Site	MMWR Week	Edit Description	Event Name	Event Code	Event Date	Date Type	NETSS Version	Page Number	
002001	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-29	4	04	2	
002004	L02	1	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2023-01-02	4	04	2	
002005	L02	1	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2023-01-02	4	04	2	
003002	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-27	4	04	2	
003007	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-26	4	04	2	
003008	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	
003009	L02	51	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-21	4	04	2	
003011	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-27	4	04	2	
003015	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-27	4	04	2	
003017	L02	51	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-23	4	04	2	
003026	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-27	4	04	2	
003027	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	
003028	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-27	4	04	2	
003029	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	
003032	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	
003033	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	
003034	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	
003035	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	
003037	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	
003038	L02	52	Neurologic Involvement [COLUMN(S) 95] (.) is invalid.	Chlamydia	10274	2022-12-28	4	04	2	

All MMWR Year

All MMWR Week

All Site

All Event

All NETSS Version

State

All Edit Type

All Case ID

Page Number

2

Page Edit Count:

30,000

Displaying Edit Numbers:

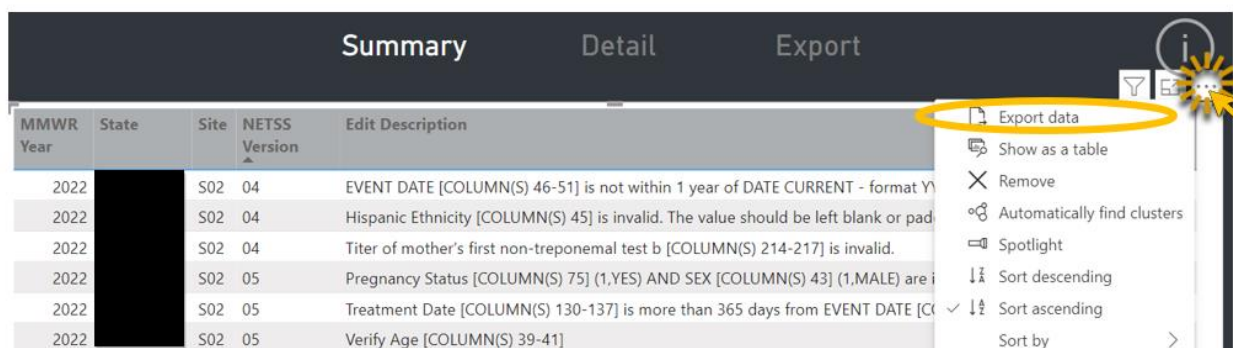
30,001 - 60,000

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 **150,000 rows or less**. As a result, jurisdictions can download filtered copies of the NETSS case report data tables for their jurisdictions while also retaining 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”



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. Questions related to dashboard technical issues should be sent to dstdp_dashboards@cdc.gov.