

Quick Reference Guide: How to Run Reports for Dialysis Facilities for Weeks Beginning June 2023 and Forward

Introduction

The line listing is an organized, detailed list of each record entered into NHSN, available to both facilities and groups. The “Line Listing for All COVID-19 Vaccination Cumulative Summary Data – Dialysis” is a report that includes summary-level patient COVID-19 vaccination and supply information across all vaccine manufacturers combined. The example below demonstrates the steps to modify the Line Listing for All COVID-19 Vaccination Cumulative Summary Data - Dialysis. Please note that after the June 2023 update to the NHSN application, the variables in the line listing changed, since information on primary vaccination series is no longer collected for patients beginning with Quarter 3 2023. As such, for guidance on how to review data including weeks from June 28, 2023 onward, please use this document. If you are interested in only reviewing data from before June 28, 2023, please see this document:

<https://www.cdc.gov/nhsn/pdfs/dialysis/covidvax/dial-linelist-summary-508.pdf>

Example

Suppose a dialysis facility was interested in finding out how their vaccination rate has changed over time. For this example, the facility is interested in learning about weekly changes in vaccination coverage during 6/28/2023-7/11/2023. Please note that these dates were chosen because collection of weekly COVID-19 vaccination data for dialysis patients begins on a Wednesday (6/28/2023) and ends on a Tuesday (7/11/2023). The information below outlines the steps to produce a line listing showing the information of interest.

Generating Data Sets

Generating datasets is the first step for performing analysis in NHSN. This process will freeze your NHSN data at a specific point in time and copy those data into defined data sets. When you wish to view updates to the data contained in your NHSN reports, you must regenerate datasets for those updates to be reflected. Datasets are user-specific; therefore, each user in NHSN who wishes to analyze data must generate datasets.

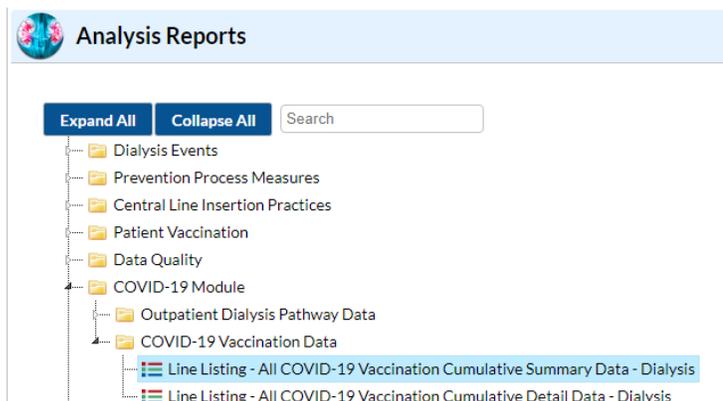
To generate datasets in NHSN, navigate to Analysis > Generate Data sets. Then, on the Reporting Data Sets tab, click “Generate Reporting Data Sets.” Your previous datasets will be overwritten.

Run Line List Report

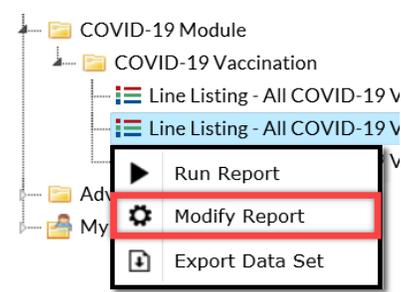
Once you have generated your data sets, you are ready to run a line listing report.

1. On the “Analysis Reports” screen, click on the “COVID-19 Module” folder.
2. Select the “COVID-19 Vaccination” subfolder.
3. Click on the report that you would like to run. In our example, we select “Line Listing – All COVID-19 Vaccination Cumulative Summary Data-Dialysis”





After selecting this report, a pop-up box will appear that will provide you with the following options: “Run Report,” “Modify Report,” or “Export Data Set.” Select “Modify Report” to customize your report.



Modifying the Report

When you choose to modify the report, the modification screen appears showing multiple tabs containing available modifications for the given report. The “Title/Format” tab allows you to update the report title and select the format in which you want the report displayed, such as HTML or PDF.

For more detailed information on how to modify a report, please refer to the [How to Modify a Report \(cdc.gov\)](https://www.cdc.gov).

Time Period

To filter the data by time period, choose the “Time Period” tab at the top of the page. For our example, we will modify the time period by the surveillance week ending date (survWeekEnd). If you don’t select a time period, your report will include all data from your previously generated dataset. Because we are interested in viewing data from 6/28/2023-7/11/2023. We set ‘Week of data collection, end date’ to 6/28/2023 (beginning) and 7/11/2023 (ending) to capture that time period. Note that you can include multiple weeks of interest in your output.

Tip: For more descriptive variable labels on your report, check the box titled “Show descriptive variable names” that appears near the top of the modification window (recommended).



Modify "Line Listing - All COVID-19 Vaccination Cumulative Summary Data - Dialysis"

 Show descriptive variable names ([Print List](#))

Analysis Data Set: Dial_COVID19_VaccSUM_Pat

Title/Format

Time Period

Filters

Display Variables

Sort Variables

Display Options

Time Period:

Date Variable

Beginning

Ending

Week of data collection, end date ▾

06/28/2023

07/11/2023

Clear Time Period

 Enter Date variable/Time period at the time you click the Run button

Filters

The "Filters" tab allows you to further filter the data that display in the report. For our example, we do not need to filter the data. You can filter by any of the available variables.

Display and Sort Variables

The "Display Variables" and "Sort Variables" tabs are specific to line listing reports and allow you to display and sort specific variables in your report. Both tabs allow you to move variables from the available list in the left column to the selected list in the right column by using the directional arrows in the center. You can also re-order the selected variables using the "Up" and "Down" buttons, found to the right of the selected variables list. For our example, we will add "Create Date" and "Last Modified" to the selected list of display variables by clicking on each of them in the "Available Variables" column on the left and choosing "Selected >" to move them to the "Selected Variables" column on the right.

Display: In this example, the variables we are interested in including the total cumulative number of all patients at the facility (numPat), and the percentage of patients who are up to date (this variable is called pctpatExMedUTD for weeks beginning Q3 2023 and called pctPatUTD for weeks prior to Q3 2023). We'll also include the cumulative number of patients that have declined the vaccine required to be up to date (numPatDecUTD), have had a medical contraindication preventing them from being up to date with COVID-19 vaccine (numPatMedUTD), or have a COVID-19 vaccination status of other/unknown (numPatUnkUTD). Please note that these three variables numPatDecUTD, numPatUnkUTD, and numPatMedUTD) are only available for weeks during Q3 2023 and forward.

The default variable list includes variables that populate both before and after Q3 2023 to allow you to review your data over time. Please note that if you are running this report for data prior to June 28, 2023, because of the form changes, the percentage of patients up to date excluding the medically contraindicated (pctpatExMedUTD) will not be available. Instead, users will be able to see the percent of patients up to date among all patients (pctPatUTD). Additionally, you'll note that for weeks after June 28, 2023, variables relating to primary vaccine series no longer populate.

You can see the variables in the screenshot below. For data entered after June 28, 2023, the variables used in the report are green. For data entered prior to June 28, 2023, variables populated are in yellow.



Modify "Line Listing - All COVID-19 Vaccination Cumulative Summary Data - Dialysis"

Show descriptive variable names ([Print List](#)) Analysis Data Set: Dial_COVID19_VaccSUM_Pat Type: Line Listing Last Generated: [June 23, 2023 10](#)

Title/Format Time Period Filters **Display Variables** Sort Variables Display Options

Display Variables:

Available Variables:	Actions:	Selected Variables:	Actions:
countyName	All	CCN	Up
createDate	Selected	orgID	Down
createUserID	Selected	name	Undo
dialVaccC19PatID	All	survWeekStart	
factype		survWeekEnd	
imported		numPat	
ModifyDate		numPatMedUTD	
modifyUserID		numPatDecUTD	
modifyVersion		numPatUnkUTD	
numHomePat		totPatUpToDate	
numHomePatConfC19		pctPatUTD	
numHomePatDec		pctPatExMedUTD	
numHomePatDecUTD		totPatAllVacc	
numHomePatEligAddtlDose		numPatMed	
numHomePatMed		pctPatAllVacc	

Annotations:

- Populated in weeks beginning Q3 2023 (points to numPatMedUTD, numPatDecUTD, numPatUnkUTD)
- Populated in weeks prior to Q3 2023 (points to pctPatUTD, pctPatExMedUTD, totPatAllVacc, numPatMed, pctPatAllVacc)

Tip: Not sure of the meaning of the variables in the list? Use the variable reference

list: https://www.cdc.gov/nhsn/xls/Updated_nhsn-weekly-covid19-vaccination-data-dictionary_508_062723.xlsx

Sort: If including multiple weeks, it is recommended to sort the line listing by survey week ending start (survWeekStart) or survey week ending date (survWeekEnd). This can be done by selecting the "Sort Variables" tab and selecting the desired variable.

Final Report

After modifying the report, you are now ready to view the output. The example line listing below shows an excerpt of the results for the "Line Listing for All COVID-19 Vaccination Cumulative Summary Data -Dialysis."

The example report (shown below) displays COVID-19 vaccination data from our test facility covering 6/28/2023-7/11/2023. This output shows key information including total cumulative number of all patients at the facility, the cumulative number of patients that have declined the vaccine, have had a medical contraindication, or have unknown vaccination status which prevents them from remaining up to date and the percentage of patients up to date excluding those with medical contraindications. From this information you can review the change in number of vaccinations for patients who received care from the facility for at least one day during the reporting week for this period.

From this output, we can see that the total cumulative number of all patients at the facility (numPat) increased by 2 patients from the first week to the second week of interest. For the week of 6/28/2023-7/4/2023, among the 100 patients in the facility, 57 patients received any completed COVID-19 vaccination series and five had a medical contraindication to the vaccine. This gives us a total of 60% vaccinated ($57/(100-5)$) which is shown as the totPatAllVacc. 49 of the 100 or 51.6% were considered up to date.

We can see that during the week of 7/5/2023, 3 patients had had a medical contraindication to the vaccine that prevented them from being up to date, 3 declined doses needed to be up to date and 4 had an unknown up to date



vaccination status. These statuses prevented the 10 patients from being considered up to date. For this week, excluding those with medical contraindications, 92.9% of patients were considered up to date (92-(102-3)).

National Healthcare Safety Network
Line Listing - All COVID-19 Vaccination Cumulative Summary Data - Dialysis
 As of: July 5, 2023 at 12:27 PM
 Date Range: All DIAL_COVID19_VACCSUM_PAT

orgID= [REDACTED]

CCN	orgID	name	survWeekStart	survWeekEnd	numPat	numPatMedUTD	numPatDecUTD	numPatUnkUTD	totPatUpToDate	pctPatUTD	pctPatExMedUTD	totPatAllVacc	numPatMed	pctPatAllVacc
		WITT DIALYSIS TEST FACILITY	06/28/2023	07/04/2023	100	.	.	.	49	51.579	.	57	5	60.000
		WITT DIALYSIS TEST FACILITY	07/05/2023	07/11/2023	102	3	3	4	92	.	92.929293	.	.	.

Note: The data in this example output are fictitious and intended for illustrative purposes only

Additional Resources

How to Generate Data Sets Quick Reference Guide: <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/generatedatasets-psc-508.pdf>

How to Enter Data for Dialysis Facilities Quick Reference Guide: <https://www.cdc.gov/nhsn/pdfs/dialysis/covidvax/dial-weekly-report-508.pdf>

