

Line List of COVID-19 Vaccination Data

Healthcare Personnel Safety

December 2020

There is an option available in NHSN to produce line lists for COVID-19 Vaccination summary data for healthcare personnel (HCP). A line list is a detailed list of each record in NHSN.

Available COVID-19 Vaccination Line Lists

NHSN has three options for Healthcare Personnel (HCP) COVID-19 Vaccination line list reports.

All COVID-19 Vaccination Cumulative Summary Data

This report includes summary level information not dependent on vaccine manufacturer.

All COVID-19 Vaccination Cumulative Detail Data

This report includes manufacturer-dependent vaccine and dose specific counts. Vaccine names ending in the number “1” (e.g., MODERNA1) represent counts for the first dose of a 2-dose vaccination series.

All COVID-19 Vaccination Cumulative Adverse Reaction Data

This report includes adverse reaction data and is manufacturer dependent.

Example: How to Create a Line List

We are interested in seeing the number of HCP who received each vaccine from 12/07/2020 – 12/13/2020.

We will need to run the line list “All COVID-19 Vaccination Cumulative Detail Data”.

Generating Data Sets

Before being able to run any report, you must generate data sets. This process will freeze your NHSN data at a specific point in time and copy those data into defined data sets. For instructions on how to generate data sets, please refer to the [Generating Data Sets Quick Reference Guide](#).

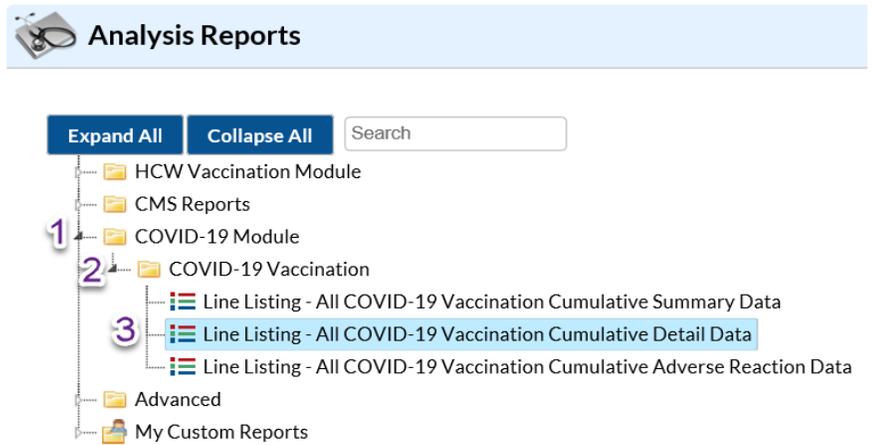


**Centers for Disease Control
and Prevention**
National Center for Emerging and
Zoonotic Infectious Diseases

Creating the Line List

Once you have generated your data set, you are ready to produce a line list.

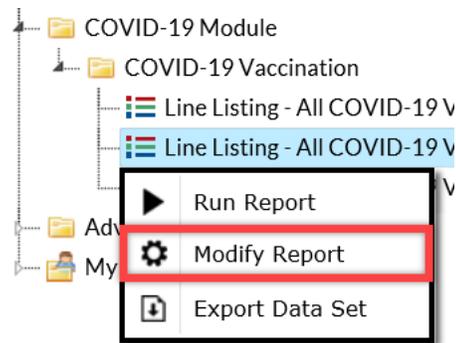
1. On the “Analysis Reports” screen, click on the “COVID-19 Module” folder.
2. Select the “COVID-19 Vaccination” Subfolder.
3. Click on the report that you would like to run. In our example, “Line Listing – All COVID-19 Vaccination Cumulative Detail Data”.



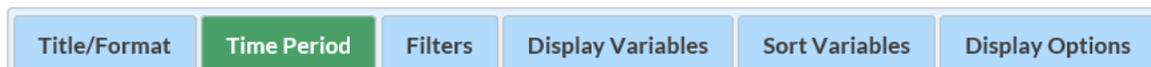
Modifying the Report

Modify Report allows you to customize your report. You can add a title to the output, select a time period, add filters, select additional variables or remove variables from the default list, choose how to sort variables, and select display options. Below are modifications for this example. For more detailed information on how to modify a report, please refer to the [How to Modify a Report Quick Reference Guide](#).

After, clicking on the report you want to run, choose “Modify Report”.



You can choose to set your time period by `survWeekStart` or `survWeekEnd`. If you don't select a time period, your report will include all data from your generated dataset. In this example, we were interested in seeing data a single week's data, from 12/07/2020 – 12/13/2020, so we set 'survWeekStart' to 12/07/2020.



Time Period:

Date Variable	Beginning	Ending	
survWeekStart	12/07/2020	12/07/2020	<input type="button" value="Clear Time Period"/>
<input type="checkbox"/> Enter Date variable/Time period at the time you click the Run button			

On the “Display Variables” tab, you can select which variables you would like to appear in your report. We did not add or remove any variables in this example.

Display Variables:

Available Variables:		Selected Variables:	
CCN	All	orgID	Up
countyName	Selected	survWeekStart	Down
factype	Selected	survWeekEnd	
numOthIndPracVacc	All	COVID19VaccineName	
numOthVacc		COVID19Vaccine	
OID		numAllVacc	
state		numEnvSvcVacc	Undo
summaryType		numNurseVacc	
vacstype		numAssistVacc	
vaStationCode		numRespTherVacc	
		numPharmVacc	
		numPhysVacc	

If including multiple weeks, it is recommended to sort the line list by survWeekStart or survWeekEnd. This can be done by selecting the “Sort Variables” tab and selecting the desired variable.

Recommendation for Group-level Users: If you are analyzing data as a NHSN Group User, it is recommended to also “Page By” orgID – this will result in one table per NHSN facility. To select a “Page By” variable, select the “Display Options” tab on the modification screen, and selecting “orgID” as the Page by variable.

Output

After modifying the report, you are now ready to see the output. The example line list show below is the result of the example modifications.

National Healthcare Safety Network

Line Listing - All COVID-19 Vaccination Cumulative Detail Data - Healthcare Personnel

As of: December 10, 2020 at 11:49 AM

Date Range: HCW_COVID19_VACCDET_HCP surv Week Start 12/07/2020 to 12/07/2020

orgID	survWeekStart	survWeekEnd	COVID19VaccineName	COVID19Vaccine	numAllVacc	numEnvSvcVacc	numNurseVacc	numAssistVacc	numRespTherVacc	numPharmVacc	numPhysVacc
10018	12/07/2020	12/13/2020	PFIZBION	PFIZBION1	10	1	1	1	1	1	0
10018	12/07/2020	12/13/2020	PFIZBION	PFIZBION	0	0	0	0	0	0	0

Sorted by orgID

Data contained in this report were last generated on December 10, 2020 at 11:21 AM to include data beginning January 2017.

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

Additional Resources

How to Export Data from NHSN: <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/exportdata.pdf>

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

How to Modify A Report Quick Reference Guide: <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.pdf>

How to Save Custom Reports for Future Use Quick Reference Guide: <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/customoutputoptions.pdf>