CRISP

COVID-19 Vaccinations

By CRISP, last updated 2/15/21

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COVID-19 Vaccinations Report

Background

The COVID-19 Vaccinations Report is designed for local health departments, hospitals, and providers to track vaccine distribution and population vaccination rates. Through the COVID-19 Vaccination report, users can monitor the percentage of the population who have received 1 dose or have completed their vaccination schedule by demographics such as age, race, ethnicity, gender, and county. Users additionally can track the number of doses administered by day and demographics and drilldown by county of patient residence or age group to monitor vaccinations in target populations. The report also provides a breakdown of vaccinations administered by organization and organization type to understand where residents are receiving vaccinations. The report can help assess equitable vaccine distribution and monitor vaccinations statewide and by county.

NOTE: These reports are CONFIDENTIAL. They are made available to healthcare providers, care managers, and public health leaders through CRISP's cooperation with the Maryland Department of Health and other state agencies. In some cases, retroactive corrections to the underlying data occur, and reports may be revised. The MDH and Governor's websites publish information available to the public.

Data Sources

Vaccinations:

ImmuNet is Maryland's Immunization Information System, a confidential and secure database. It stores an individual's vaccination records. Providers are required to be connected with ImmuNet for reporting COVID-19 vaccine doses administered. Maryland Department of Health then sends the ImmuNet data to CRISP for reporting on vaccinations.

County/Zip Codes:

For all vaccinations, the county and census tract values are based on geocoding the address provided by ImmuNet. Please note: not all addresses are able to be geocoded.

Population estimates are based on the Maryland Department of Planning's population estimates.

Race/Ethnicity:

The CRISP data stores race and ethnicity from other data sources such as the ADT data and HSCRC's Casemix data. The report uses race and ethnicity from the CRISP data and ImmuNet.

Regions:

Region	Counties
Capital	Frederick, Montgomery, Prince George's
Central	Anne Arundel, Baltimore City, Baltimore, Carroll, Harford, Howard
Eastern Shore	Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, Worcester
Southern	Calvert, Charles, St. Mary's
Western	Allegany, Garrett, Washington

For more information on vaccinations, please visit the MDH website: https://coronavirus.maryland.gov/

Measures

Metric	Definition
Vaccination Status	Not Vaccinated: Has not received vaccine. 1 Dose: Received 1st dose of a two-dose vaccine. Vaccinated: Received all doses of a two-dose vaccine or a single dose vaccine.
% Vaccinated	Number of people vaccinated based on the respective group over the total number of people in that group. The total count is based on the Maryland Department of Planning's population estimates.

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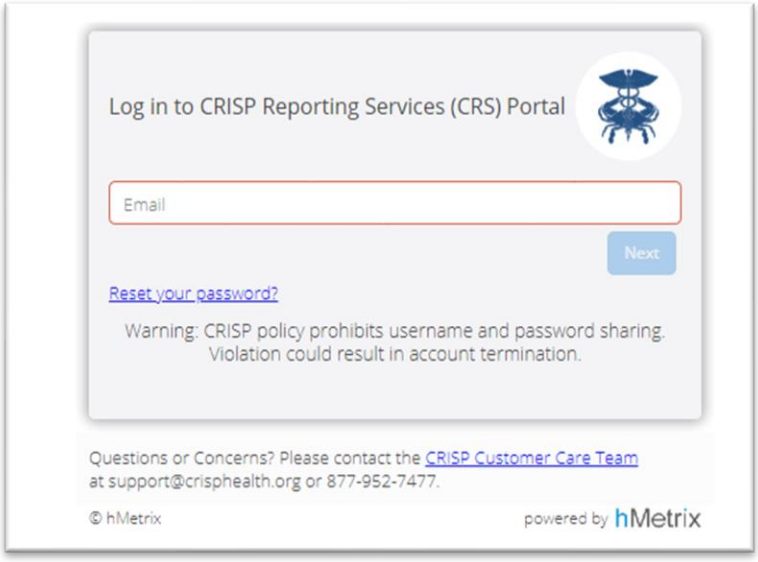
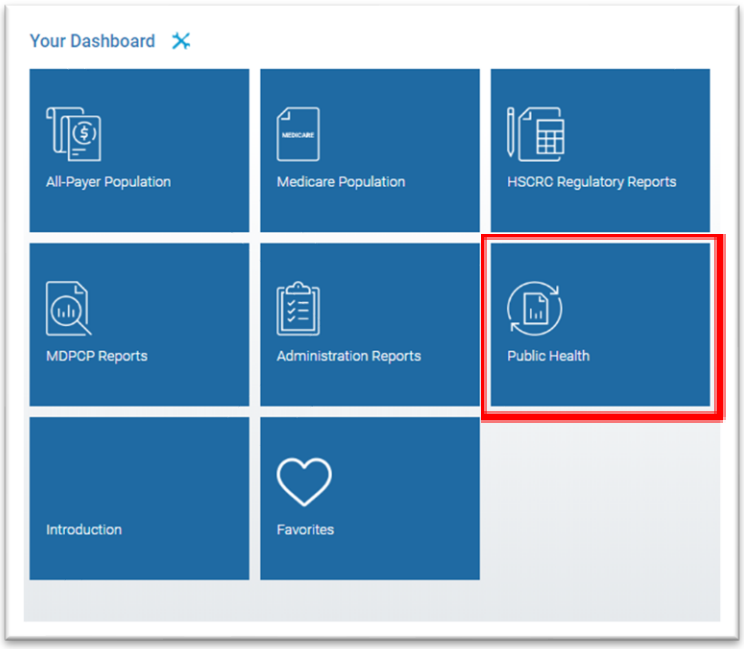
User Guide

Tableau COVID-19 Vaccinations Report Access/Card

Step 1. To access the COVID Summary Dashboard, login to the CRISP Reporting Services Portal by visiting https://reports.crisphealth.org. Once in the CRS Portal, a dashboard of different blue report "cards" will appear, availability of reports is based on the access of the user. Clicking the card named "Public Health" will bring up the available reports for this category. The following screen shots represent the user's workflow.





Step 2. Once you click the "Public Health" card, the report finder page will appear allowing you to select the 'COVID-19' section from the second tier of report categories. All of the available COVID-19 reports will appear on the right side of the screen in the third tier column. Click the interactive reports icon (bar graph with arrow) next to the COVID-19 Vaccinations report to launch it.

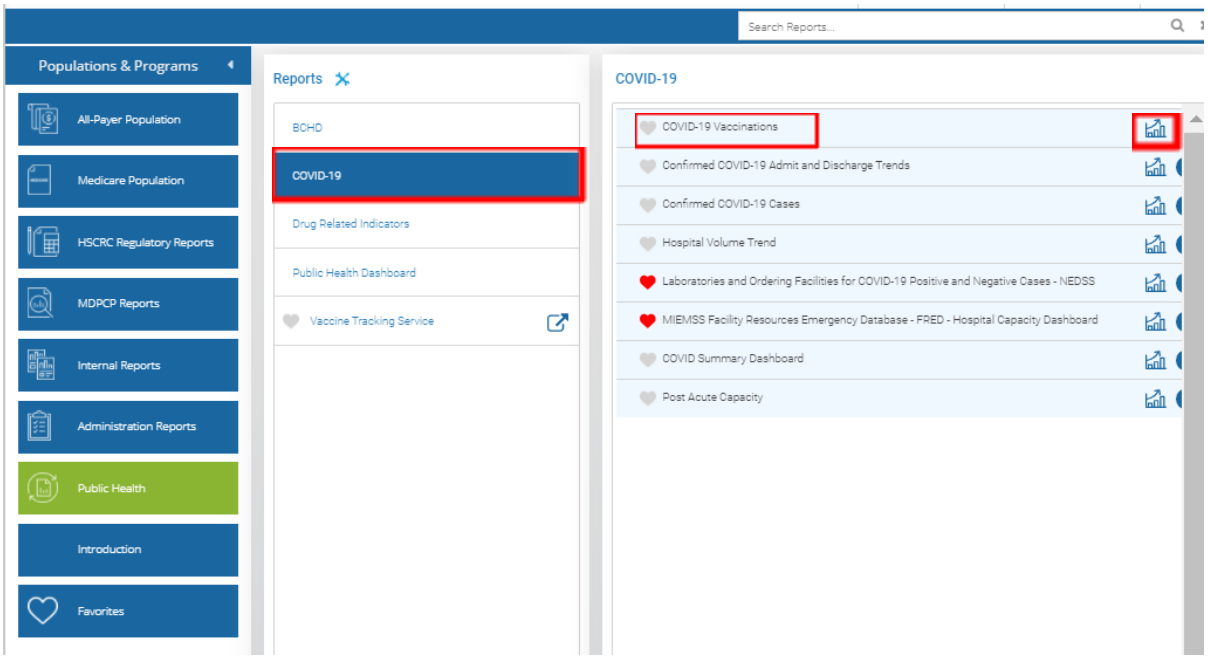
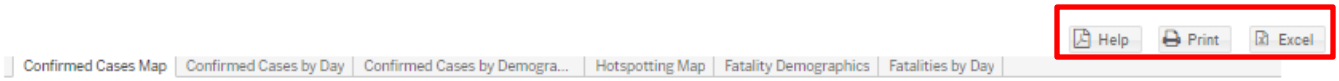


Tableau Features

On each Tableau dashboard, there are menu options for the user to select, which are listed below. Additionally, the Tableau report contains multiple dashboards. The available dashboards are listed at the top.



Menu Option	Description
Print	This button allows you generate a PDF from the selected tabs in Tableau. When you click the icon, a menu with various export options appear. The user can print multiple tabs and with the desired filters, and the user has options to adjust the page scaling, paper size, and paper orientation for printing.
Excel/Crosstab	The Excel or crosstab option allows user to export a dataset into an Excel workbook or CSV file, and provides additional columns that may not be present in the Tableau workbook. You will have to separately download a new file if you want the data tables with different filter selections.
Help	This button opens the Tableau user guide.

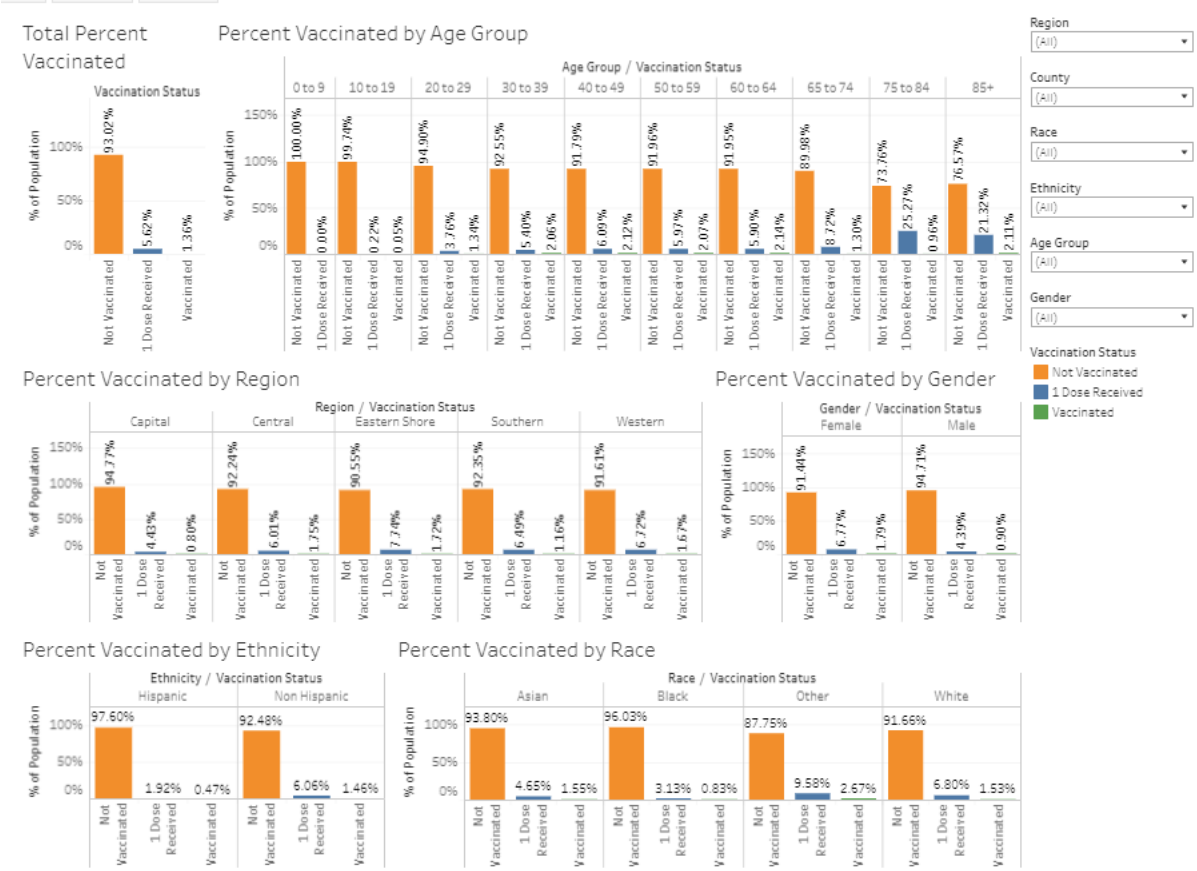
Report Sections

Provided below is list of all the reporting tabs available in this reporting dashboard. To click through the sections of the report, simply select one of the grayed-out tabs on the top tool bar (highlighted in red below).

1. Individuals Vaccinated by Demographics
2. Doses Administered by Day
3. Doses Administered by Demographics
4. Doses Administered by Organization
5. Doses Administered by County

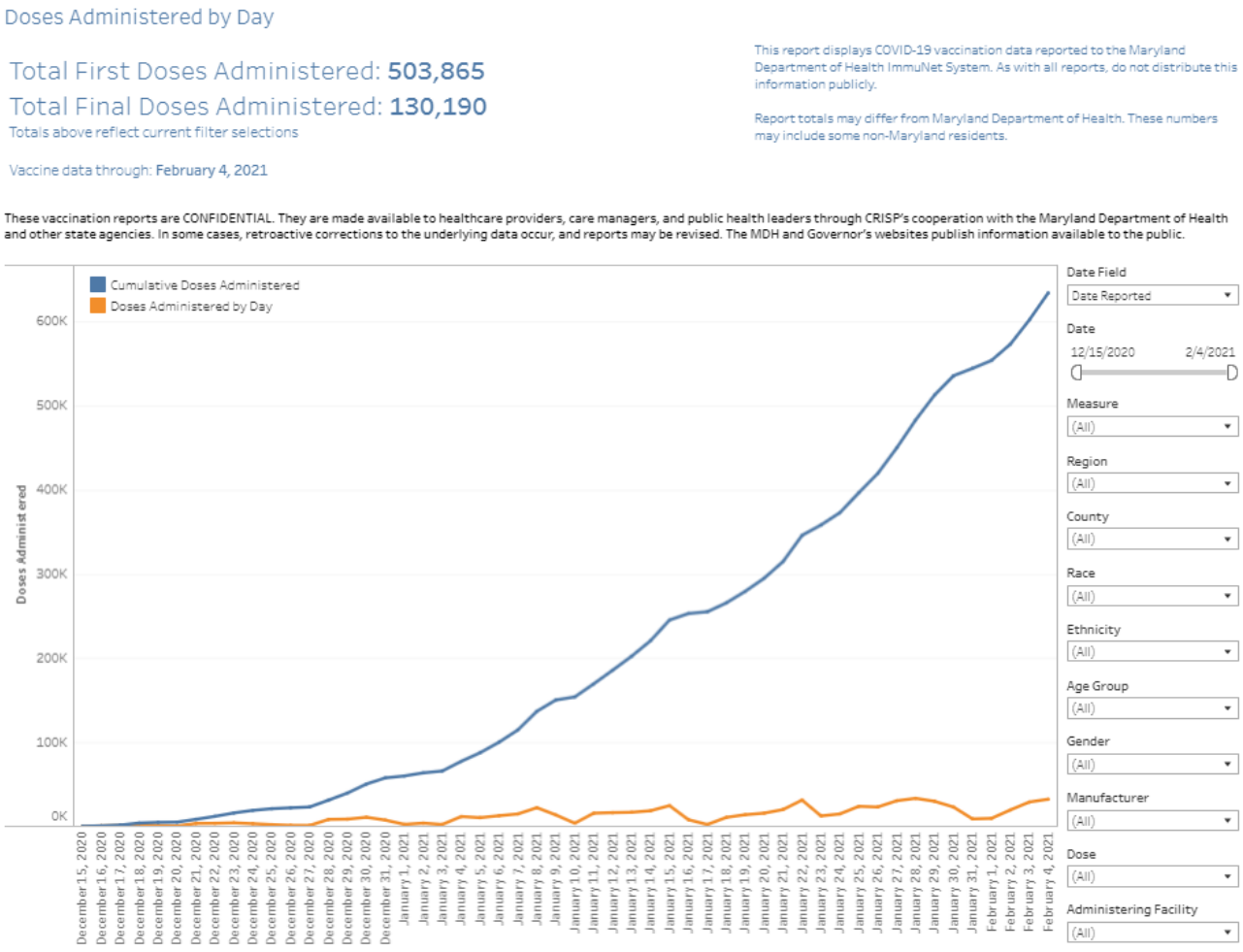
1. Individuals Vaccinated by Demographics

This Individuals Vaccinated by Demographics breaks out vaccinations by age group, region, race, ethnicity, and gender for Maryland residents. This allows users to monitor vaccinations in different demographic groups. The percent vaccinated is the number of people in the category over the respective population. The population estimates are from the Maryland Department of Planning. Please note: individuals with unknown values or out of state residents are excluded from this view.



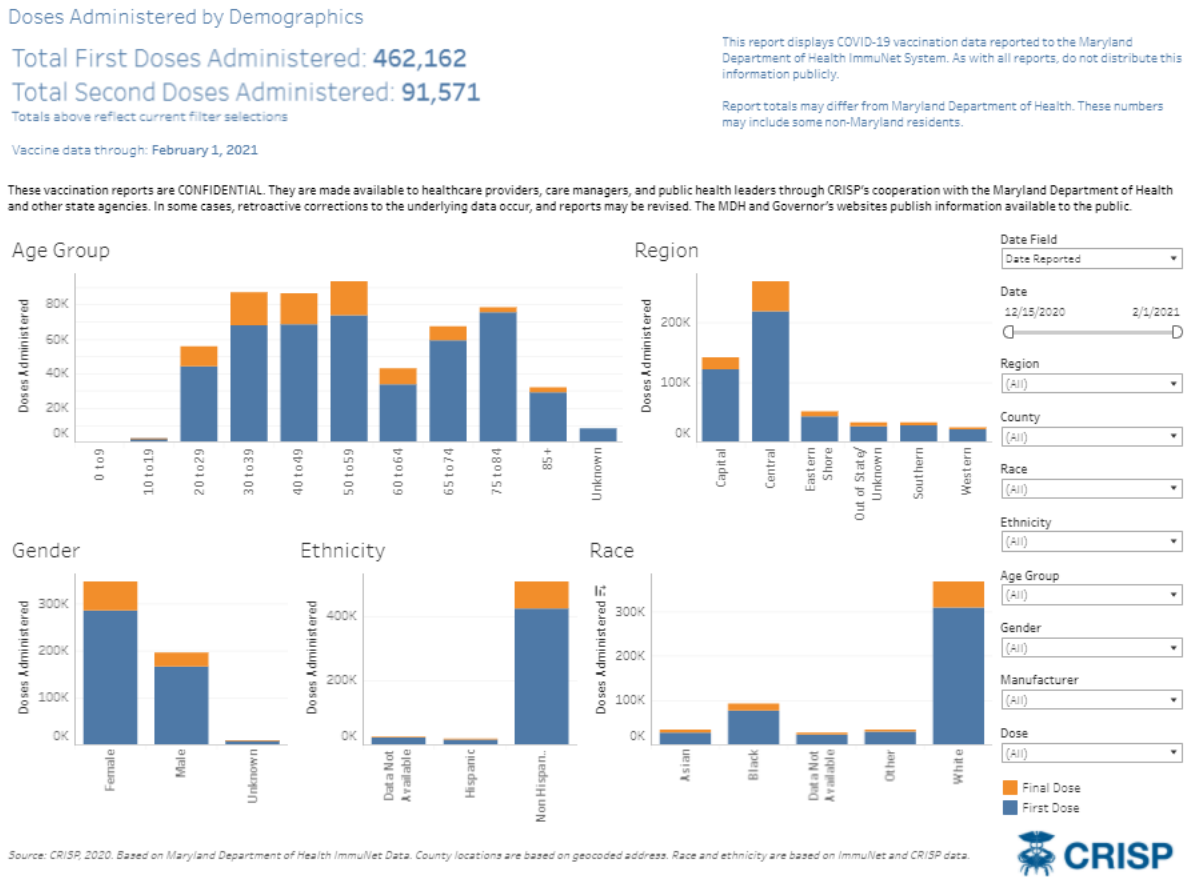
2. Doses Administered by Day

The graph displays the doses administered by day. Users can view vaccinations by date reported by using the 'Date Field' filter. The total doses reported or administered for people vaccinated in Maryland is displayed at the top of the reports. The date sliding filter lets users choose a specific timeframe in the graph.



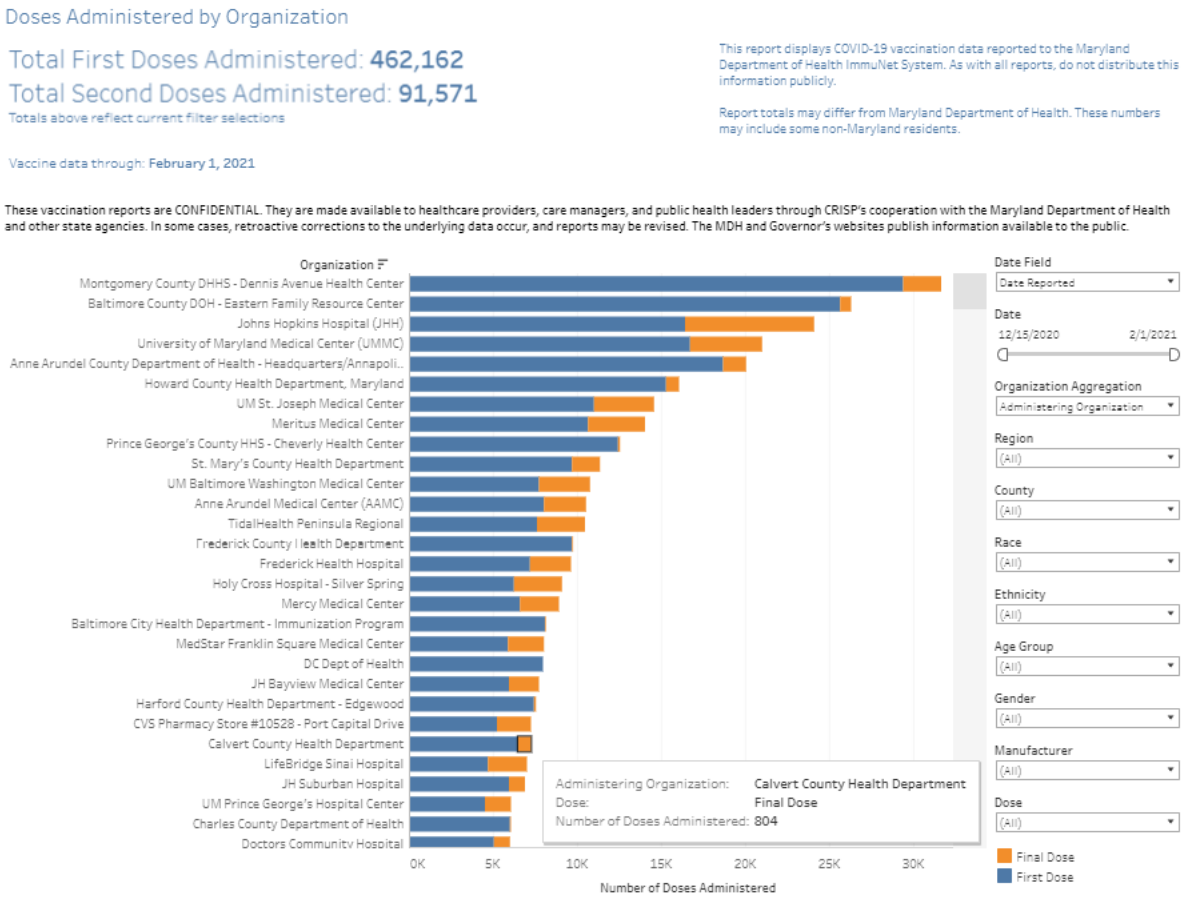
3. Doses Administered by Demographics

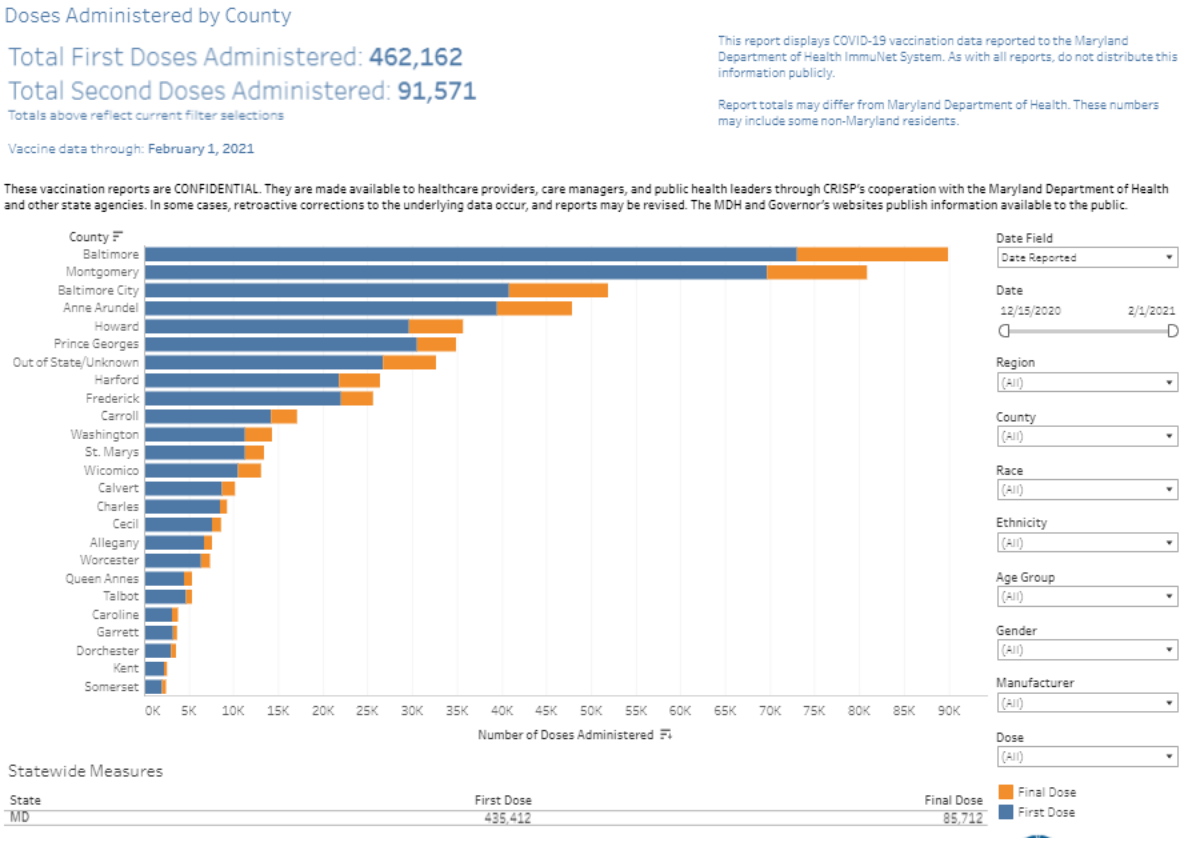
The Doses Administered by Demographics displays the number of people administered the first or final dose of the vaccine by age group, region, gender, race, and ethnicity. Users can hover their mouse over the bar to see the count of doses administered. Users can drilldown to their desired population by using the filters.



4. Doses Administered by Organization

The Doses Administered by Organization breaks out the number of first and final doses administered by organization. Users can also use the Organization Aggregation filter to view vaccinations by organization system and organization type. Users can hover their mouse over the bar to view the number of doses administered.



5. Doses Administered by County

The Doses Administered by County breaks down the first and final dose by county. Users can hover their mouse over the bars to get the number of doses administered. Below the graph, is the number of first and final doses that Maryland residents received.