VaccTrac: Vaccine Tracking Service

January 29, 2021

hMetrix

hMetrix

Table of Contents

hMetrix

1 Welcome to VaccTrac: Vaccine Tracking Service

The Vaccine Tracking Service is a web-based application that enables physicians and payers to track their patients' vaccination status and prioritize and outreach to unvaccinated patients. The reports are populated using daily vaccination data from ImmuNet, Maryland's Immunization Information System (IIS), ENS Panels or MDPCP Practice lists for each provider's attributed population, and patient Chronic Condition flags based on administrative claims data.

Summary level reports help practices understand the proportion of patients that have been vaccinated by demographics to ensure their population is vaccinated over time and compare their performance to relevant peer groups. Users can use the Patient Navigator to segment their population by age and chronic conditions to focus outreach efforts, and customizable fields allow users to document outreach notes.

1.1 Software Requirements

The Vaccine Tracking Service is a web-based application accessible through a modern browser: Google Chrome 57 or higher, Internet Explorer 11 or higher, Firefox 52 or higher, and Safari 9 or higher.

1.2 Launching VaccTrac

The Vaccine Tracking Service can be accessed through the Public Health Card in the CRISP Reporting Services (CRS) Portal at https://reports.crisphealth.org or directly accessed at https://vacctrac.crisphealth.org.

1.3 Viewing Help

The latest copy of this documentation is available in the application. It can be accessed at any time by clicking the help icon on the top right of the screen.

hMetrix

2 Common Functionalities

2.1 Navigation

Use the Navigation pane on the left side of the screen to navigate between Practice Vaccination Reports and Patient Navigator. The Navigation pane can also be collapsed to view the reports in a wider view.

2.2 Panel Selection

The user may select one or multiple panels from the panels to which they have access, to display in the Reports and Patient Navigator.
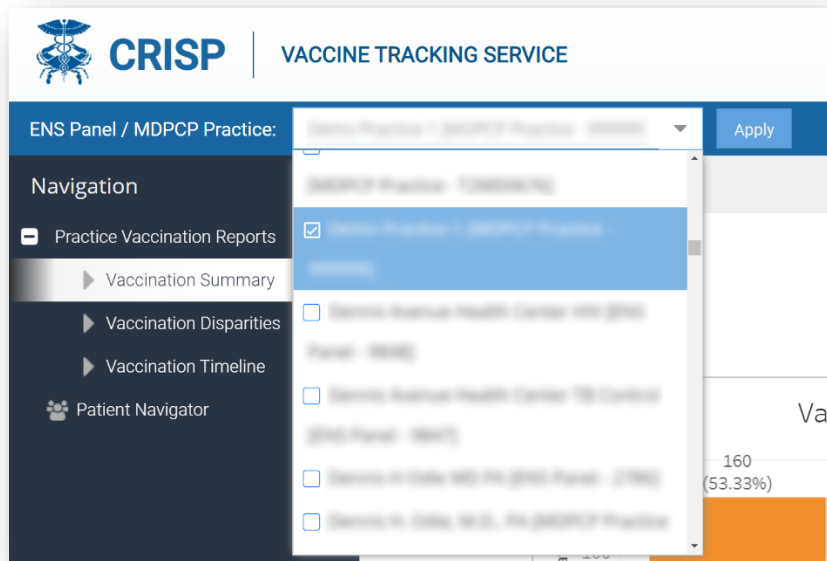
2.3 Exports

On the top right of the Practice Vaccination Reports, there are two export options. The "Print" button will export the current view as a PDF and the "Excel" button will export all the data that is used to populate the current view into an Excel spreadsheet.

Note that the "Print" (PDF) export functionality is not available in the Population Navigator. The user can export the list of patients and their information to Excel by clicking "Excel Export" on the top right.

2.4 Session Timeout

To minimize unauthorized use of the application, a user's session is set to time out after 30 minutes of inactivity. A warning message will be displayed 5 minutes before the session times out.
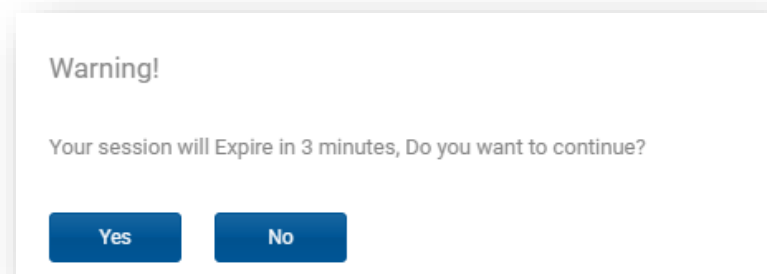
If the user clicks **Yes** to the warning message, then the user's session will be active for another 30 minutes. If the user clicks **No** or does not respond to the warning message, the user's session will time out and the Session Timeout warning message will be displayed.

hMetrix

3 Practice Vaccination Reports

The Practice Vaccination Reports show a summary of the practice's vaccination progress over time with a comparison to the state of MD and other peer groups.

3.1 Vaccination Summary Report

The Vaccination Summary Report is a summary of the individuals vaccinated by demographics such as age group, gender, race, and ethnicity. This report shows the number and percent of patients that have not been vaccinated, haver received 1 dose of a multi-dose vaccine, or have completed their vaccination schedule. The vaccination summary of the practice is compared to a reference group, which can be selected as the Maryland statewide population, all CRISP ENS Panels, all MDPCP Practices, or any Maryland county.

3.2 Vaccination Disparities

The Vaccination Disparities report allows the user to compare across demographic groups to identify potential disparities in vaccination to ensure equitable allocation of the vaccine within priority groups.
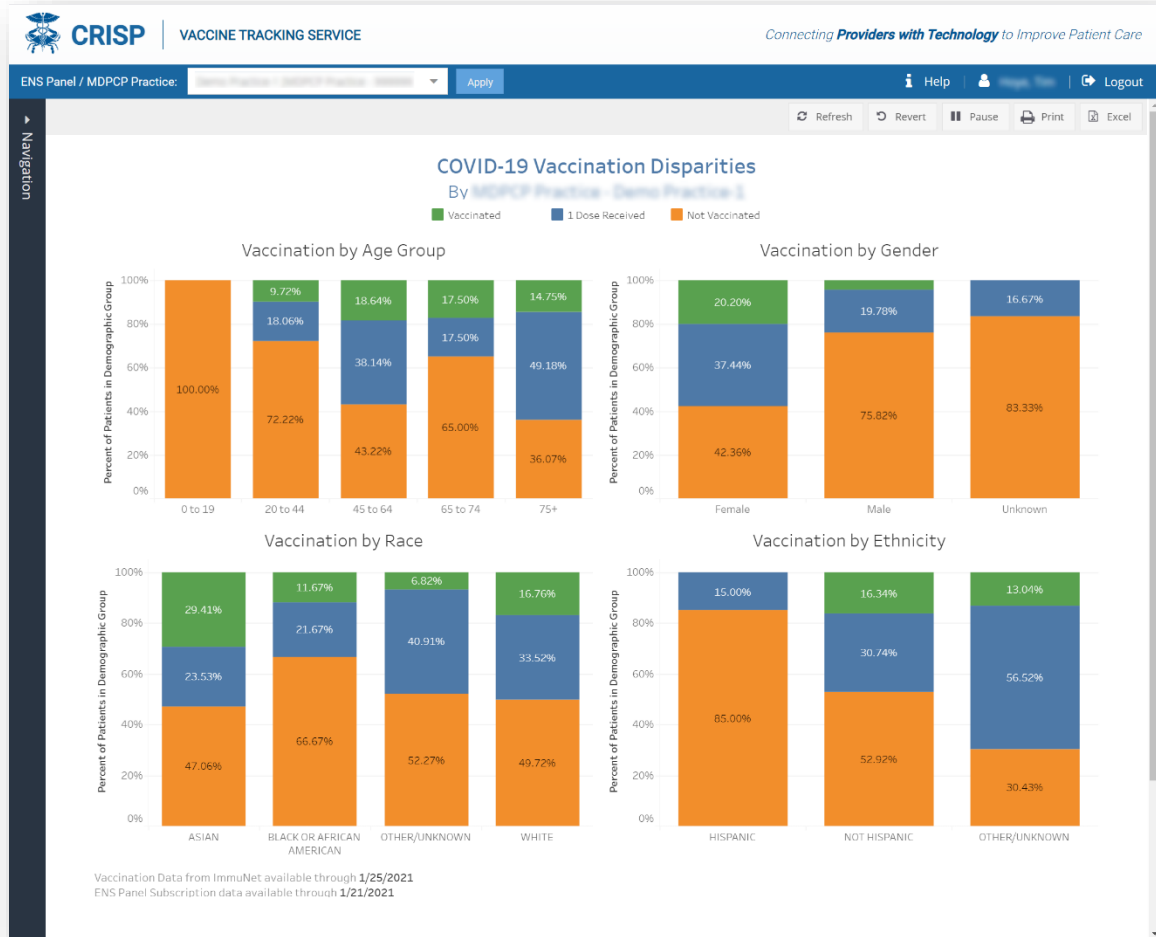
3.3 Vaccination Timeline

The Vaccination Timeline report shows the number and percent of patients vaccinated over time. The orange represents those not vaccinated, the blue are those who have received one dose, and the green are patients who have completed their vaccination schedule. To see percentages and more information at a point in time, the user can hover over a point to view a tooltip with more details.
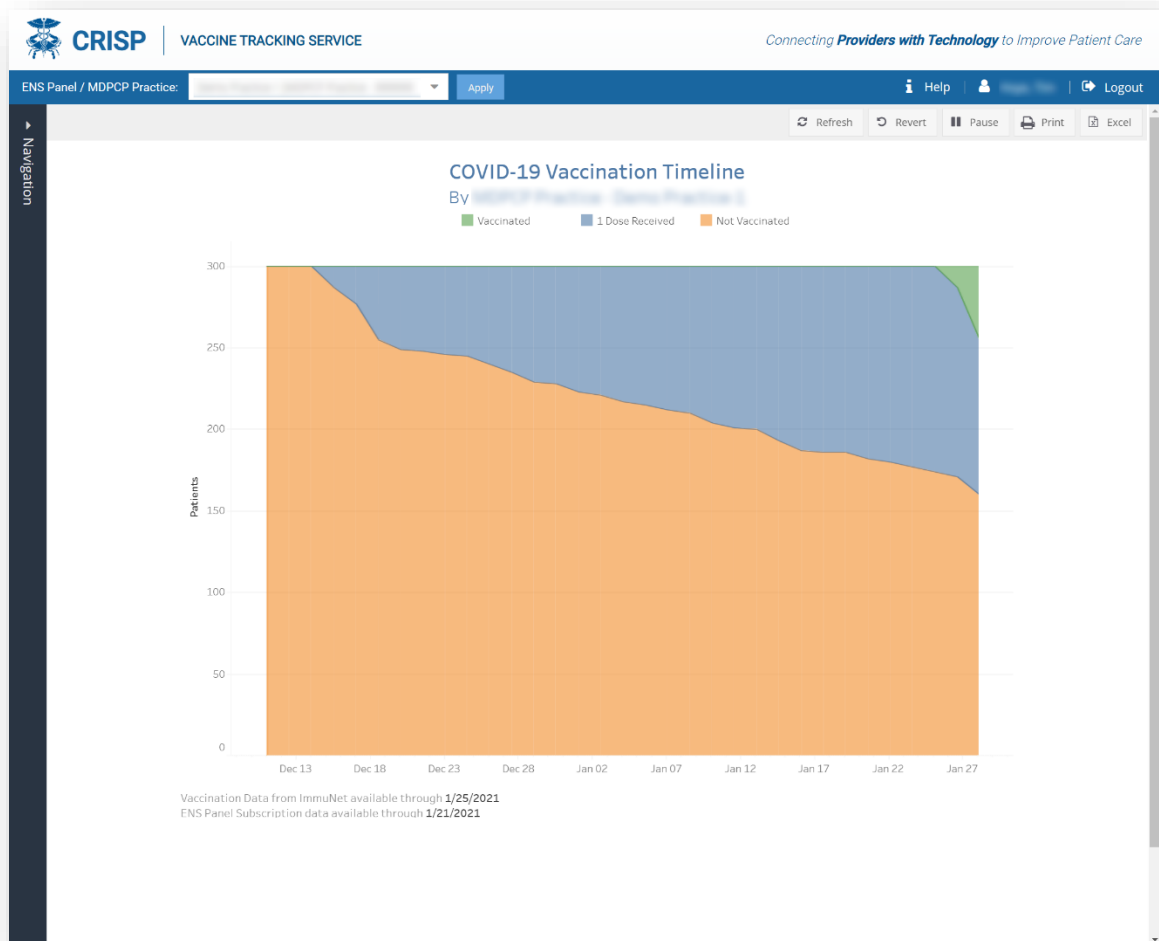
4   Patient Navigator

The Patient Navigator module is designed to allow the user to identify patients who have not been vaccinated and track outreach efforts to those patients. It contains patient-specific information such as demographics, vaccination information, and contact information for a practice's population. Other functionalities include user-editable fields for outreach tracking and custom filters allowing users to quickly segment their population.

hMetrix

4.1 Customizing Column View

By clicking the arrow to the right in the column header, the user can sort the selected column by ascending or descending values or select/deselect desired columns in the "Columns" dropdown list. Columns can also be arranged to a custom view by clicking and dragging a field to the desired location.

hMetrix
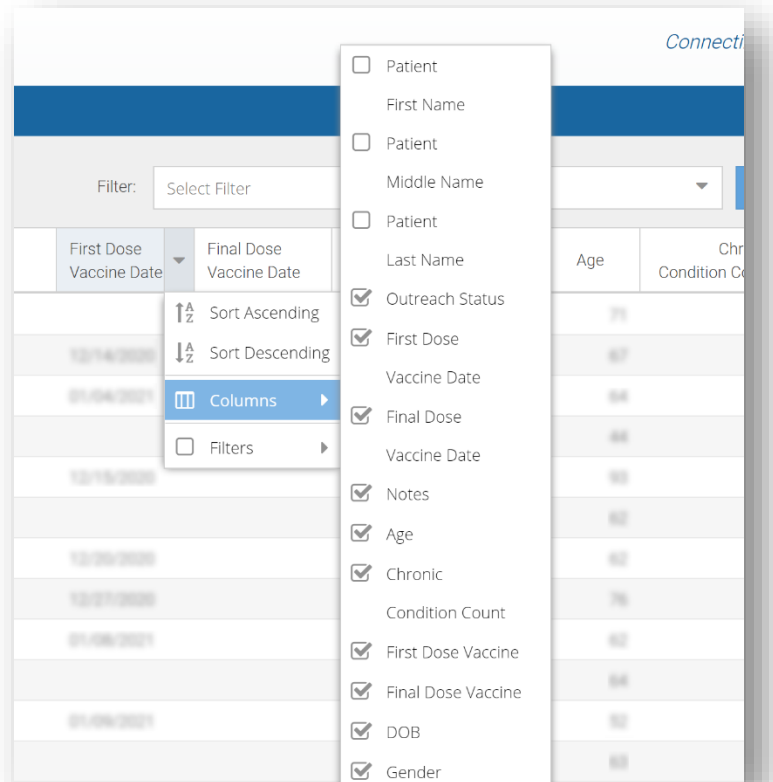
4.2 User-Editable Fields

There are two outreach related columns can be edited by the user. The "Outreach Status" column contains a dropdown list with different flags to identify where the patient is in the outreach process. Next to the Outreach Status column is the "Notes" column where the user can input free text notes on the outreach encounter. To edit either of these columns, double click on the patient's row and the dropdown and notes boxes will appear.

Note: All notes and outreach status flag updates are able to be viewed by users at other organizations who have the patient on their ENS Panel or MDPCP Practice.

4.3 Patient Summary

The Patient Summary can be accessed by clicking on a patient's name in Patient Navigator. This window shows information on an individual patient's demographics, chronic conditions, vaccination details, and outreach summary. The user can update the outreach related fields, along with viewing the history of all changes to the outreach fields.
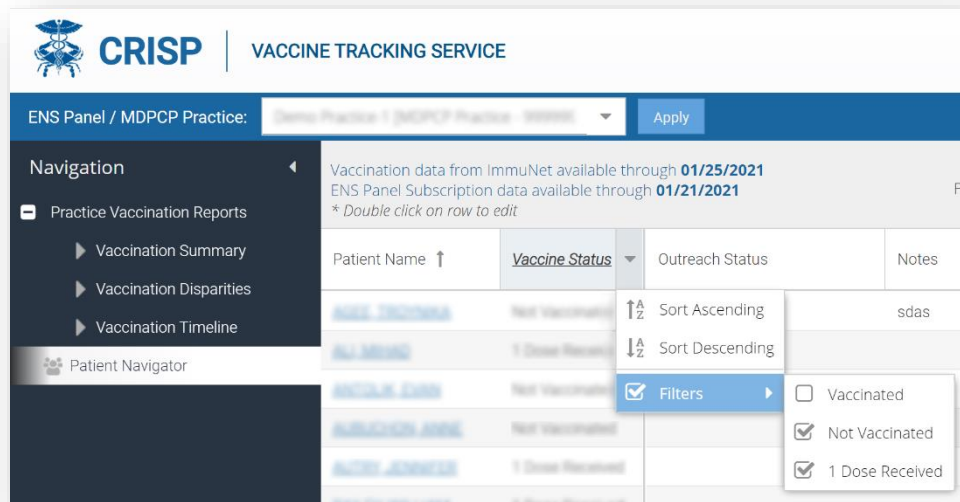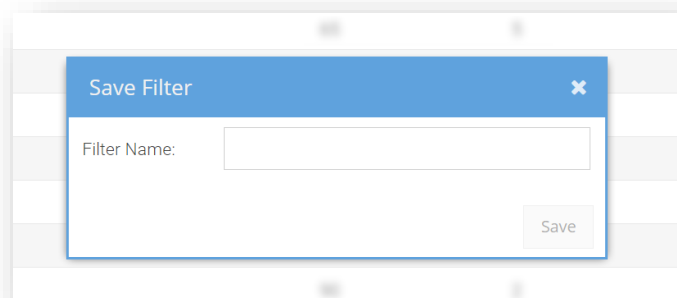
4.4   Filters

Preset and custom filters are available in Patient Navigator to allow users to quickly segment their population to view populations of interest. Filters are available through each column of the report, as well as filters based on CCW Chronic Conditions.

4.4.1   Custom Filters

Users can create a custom filter by hovering over a column, selecting the down arrow on the right, and hovering over "Filters" to select a filter option. Filters may be applied to multiple columns in the report.

To save this filter for future use, select the "Save Filters" option on the top of the page, name the filter, and click "Save Filters". This will launch a pop-up window allowing the user to name the filter.


After saving the filter, it can be accessed at any time in the filters dropdown. If additional filter selections are made, the user can click on the "Save Filters" button again, where the user will be presented with the option to overwrite the existing filter or create a new filter. User created filters can also be deleted by the user by clicking the Delete icon in the Filters dropdown.
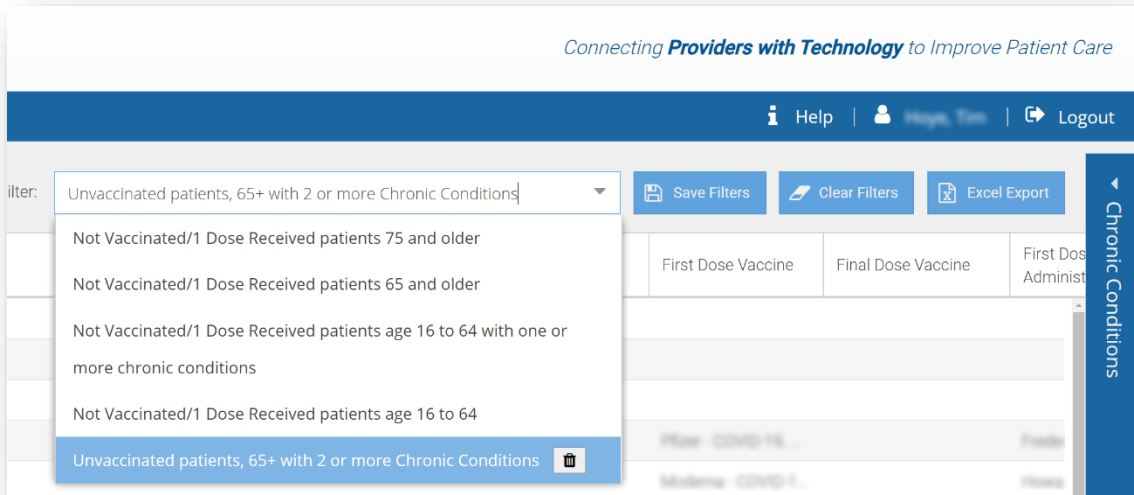
4.4.2   Quick Filters

Quick Filters are pre-made filters available to all users. To select a Quick Filter, select one of the options from the dropdown next to "Filter:" at the top of the page. Quick Filters cannot be deleted by the user.

hMetrix
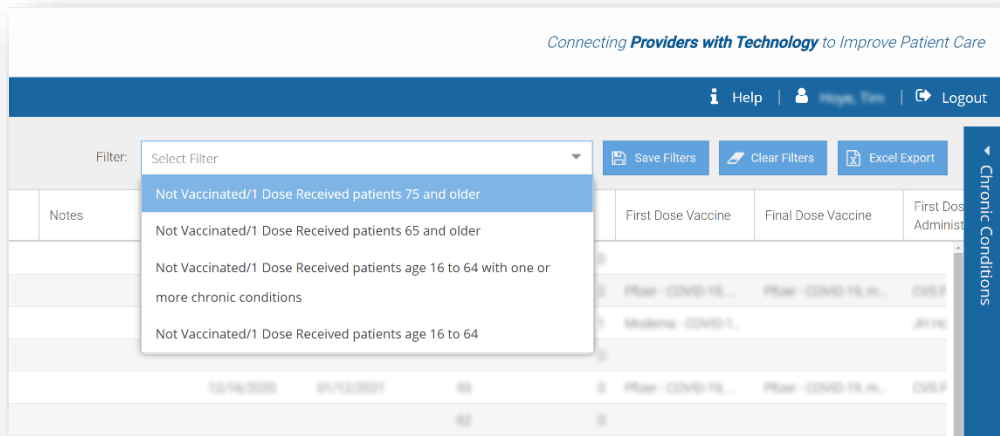
4.4.3   Chronic Conditions

Patient Navigator can be filtered based on CCW Chronic Conditions. To the right of the reports, a Chronic Conditions panel is available. When the panel is expanded, the user has the option to filter their population on one or multiple chronic conditions. Next to each chronic condition is also a count of the number of patients in the population with the given condition.

> Note: Due to availability of administrative claims data, not all patients with chronic conditions are flagged in the data sets. Currently chronic condition flags are based on the Maryland Case Mix Hospital dataset and Maryland CCLF Medicare dataset.