



**CRISP**

# Immunization Data Use Cases

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# Vaccination Tool Developed for COVID-19

- **Problem Statement:** As doses become more available, practices, payers, and other groups with trusted patient relationships will conduct proactive outreach to increase vaccination rates.
- **CRISP Use Case:** CRISP combines patient rosters with immunizations and presents the information in reporting tool with filters and editable notes fields.
- **Status:** Vaccine tracking service is live in production. Users log in a few hundred times per week on average and are providing ongoing feedback to CRISP.



# Vaccine Tracking Service – Summary Dashboard



CRISP

VACCINE TRACKING SERVICE

Connecting **Providers with Technology** to Improve Patient Care

ENS Panel / MDPCP Practice:

Demo Panel [ENS Panel - 999999]

Apply



Help



Behm, Craig



Logout

Navigation

Practice Vaccination Reports

Vaccination Summary

Vaccination Disparities

Vaccination Timeline

Patient Navigator



Refresh



Revert



Pause



Print



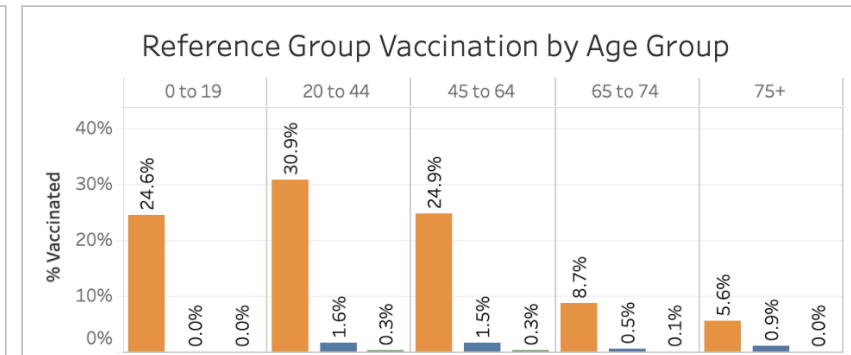
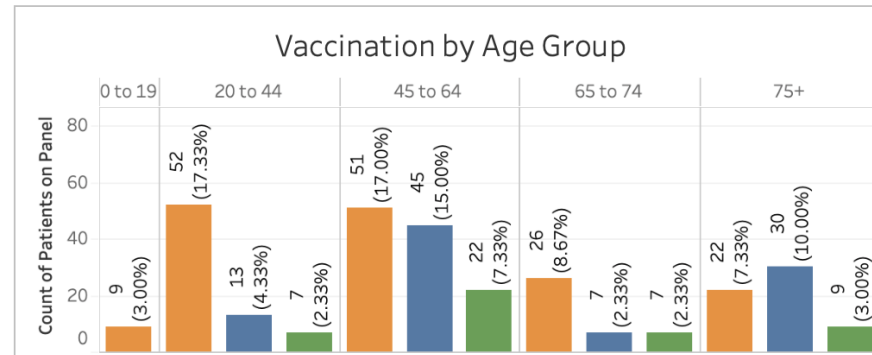
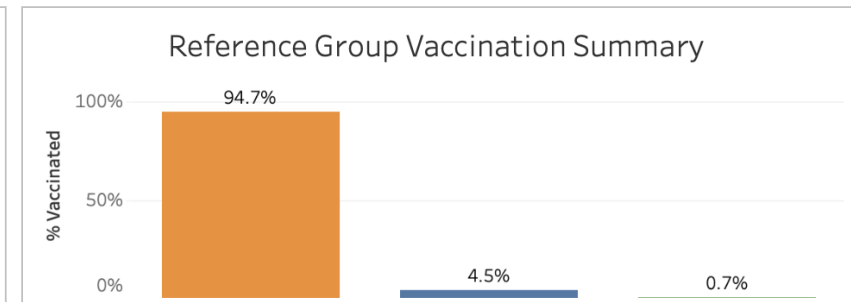
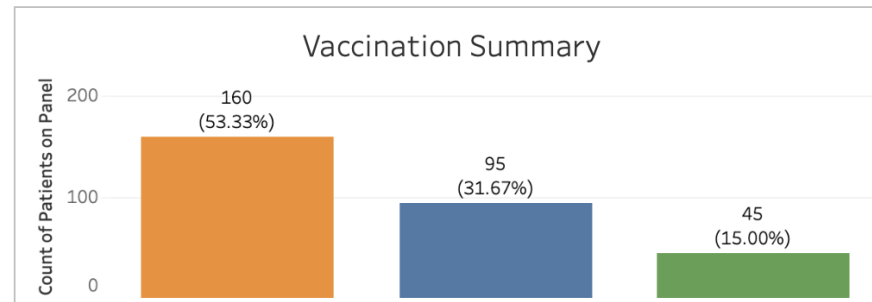
Excel

## COVID-19 Vaccine Summary

Not Vaccinated 1 Dose Received Vaccinated

Reference Group

Statewide





# Vaccine Tracking Service – Patient List



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ENS Panel / MDPCP Practice: Demo Panel [ENS Panel - 999999]

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- Navigation
- Practice Vaccination Reports
    - Vaccination Summary
    - Vaccination Disparities
    - Vaccination Timeline

Patient Navigator

Vaccination data from ImmuNet available through **01/25/2021**  
 ENS Panel Subscription data available through **01/21/2021**  
 \* Double click on row to edit

Filter: Not Vaccinated/1 Dose Received patients 75 and older

Save Filters | Clear Filters | Excel Export

Patient Name	Vaccine Status	Outreach Status	Notes	First Dose Vaccine Date	Final Dose Vaccine Date	Age	Chronic Condition Count ↓	First Dose Vaccine	Final Dose Vaccine	First Dose Admin
<a href="#">SCHRADER, PAMELA</a>	Not Vaccinated	Vaccine Hesitant	Afraid she will catch C...			88	5			
<a href="#">JEAN-BAPTISTE, RE...</a>	1 Dose Received			01/03/2021		92	5	Pfizer - COVID-19, ...		Baltim
<a href="#">ZANARDI, CRISTIANE</a>	Not Vaccinated	1st Dose Scheduled	Son will drive her.			88	4			
<a href="#">STAFFORD, ROBERT</a>	Not Vaccinated					78	4			
<a href="#">BATES, TASSANA</a>	Not Vaccinated					76	4			
<a href="#">SAYERS, RONALD</a>	Not Vaccinated	Vaccine Hesitant	Worried			87	4			
<a href="#">BORCHERT, CAROLINE</a>	1 Dose Received			01/08/2021		76	3	Pfizer - COVID-19, ...		Freder
<a href="#">WILLIAMS, MICHELLE</a>	Not Vaccinated	Vaccine Hesitant	Afraid of catching COV...			76	3			
<a href="#">BLAIR, ALEXANDRA</a>	Not Vaccinated					93	3			
<a href="#">CHU, AMY</a>	Not Vaccinated					82	3			
<a href="#">BLAKE, SARAH</a>	Not Vaccinated					77	3			
<a href="#">MATTO, SINCI</a>	1 Dose Received			12/29/2020		81	3	Moderna - COVID-1...		JH Bay
<a href="#">REILLY, SINCI</a>	1 Dose Received			01/12/2021		79	3	Moderna - COVID-1...		Montg
<a href="#">MARASIGAN, CHARL...</a>	Not Vaccinated					90	2			
<a href="#">KILGORE, JULIE</a>	1 Dose Received			12/22/2020		76	2	Pfizer - COVID-19, ...		MedSt
<a href="#">PUTNEY, EMILY</a>	Not Vaccinated	Vaccine Hesitant	need to follow up			95	2			
<a href="#">MCCARTON, CECELIA</a>	1 Dose Received			01/12/2021		79	2	Moderna - COVID-1...		Montg

Chronic Conditions

# CDC Report: Impact of the COVID-19 Pandemic on Administration of Selected Routine Childhood and Adolescent Vaccinations — 10 U.S. Jurisdictions, March–September 2020

## What is already known about this topic?

Early reports during the COVID-19 pandemic documented a marked decline in pediatric vaccine ordering and administration, placing U.S. children and adolescents at risk for vaccine-preventable diseases.

## What is added by this report?

Analysis of immunization information systems data from 10 U.S. jurisdictions indicated a substantial decrease in administered vaccine doses during March–May 2020 compared with the same period during 2018 and 2019. Although administered doses increased during June–September 2020, this increase was not sufficient to achieve catch-up coverage.

## What are the implications for public health practice?

To prevent outbreaks of vaccine-preventable diseases, health care providers should assess the vaccination status of all pediatric patients, including adolescents, and contact those who are behind schedule to ensure that all children and adolescents are fully vaccinated.



Patel B, Murthy , Zell E, et al. Impact of the COVID-19 Pandemic on Administration of Selected Routine Childhood and Adolescent Vaccinations — 10 U.S. Jurisdictions, March–September 2020. *MMWR Morb Mortal Wkly Rep* 2021;70:840–845.

DOI: <http://dx.doi.org/10.15585/mmwr.mm7023a2>



# Sample HIE Use Cases with Immunization Data

1. I am a Medicaid Managed Care Organization with a large portion of pediatric patients. I must report on HEDIS measures related to immunizations (one in early childhood, another in adolescence). CRISP provides a list of all empaneled patients who have a gap in their vaccinations so I can use my care management processes to reach out to these beneficiaries.
2. Many patients have stopped coming to my pediatric office for well child care during the COVID pandemic. I do not typically have a report on patients with a gap in vaccinations – but instead rely on families to schedule appointments to be vaccinated. Reaching these children and providing vaccination/well child care is a priority. CRISP provides a list of all my empaneled patients who have an immunization gap.
3. There is a measles outbreak in Maryland. As a provider, I want to know which patients of my patients are delayed on their measles vaccine and which are at highest risk to target vaccination campaigns.
4. I'm a school administrator and only children who are fully vaccinated (or have a medical/religious exemption) are allowed to attend school. There is often a scramble to vaccinate children prior to the start of the school year. After submitting a student panel, I receive a list from CRISP of all my students who have a vaccination gap rather than searching ImmuNet one-by-one.
5. It's flu season. As a pediatric office manager, I want to see who has received vaccination and who still needs their annual flu shot so I can schedule appropriate appointments and plan my vaccination buying appropriately.
6. I'm a health officer at a local health department and am aiming to improve pneumococcal vaccination rates in aging populations. I want to identify which hospitals/systems have the highest rates of missed opportunities to administer vaccines during non-vaccination visits so I can perform appropriate education.



# Discussion

- Is access to this data a problem CRISP can help solve?
- How should CRISP provide immunization status and delays?
  - Weekly lists
  - Push notifications
  - Web-based tool
- Are there specific data/events to highlight?
  - Care Alert in CRISP for missed vaccine
  - Weekly list of gaps
  - HEDIS measures
- Is there other data that would help with efforts to close gaps?
  - Patient's care team, primary care physician, SBHC coordination
  - Other gaps in service (e.g. Annual Wellness Visit)



# Contact and Resources

Training materials, recorded webinars, and patient education flyers can be found at:

<https://crisphealth.org/resources/>

COVID-19 information is posted at:

<https://crisphealth.org/guidance>

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