

## Using a Novel Partnership to Measure Vaccine Uptake in Populations of Interest

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#### Overview

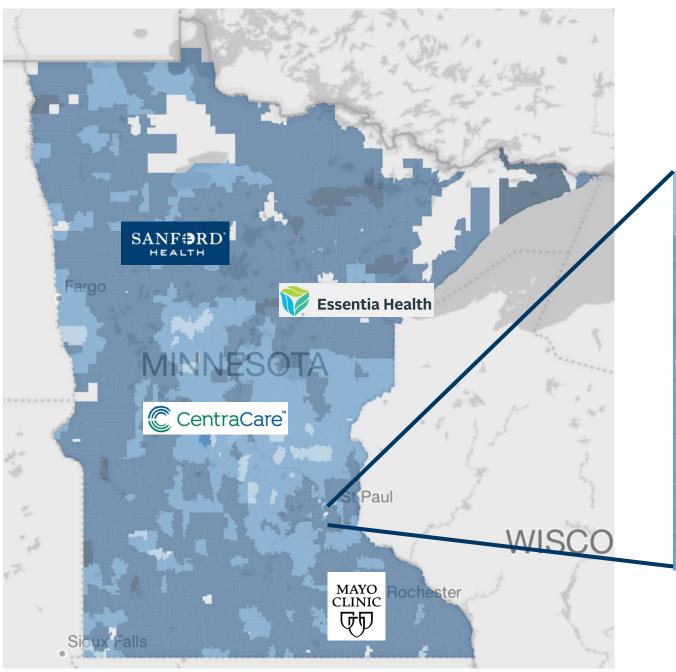
- Background and Partnership
- Data Sharing Process
- Outcomes and Data Use



#### Background and Partnership

#### Minnesota EHR Consortium

- Collaboration of Health Systems across Minnesota, including Minneapolis VA
- Mission: to improve health by informing policy and practice through data-driven collaboration among members of Minnesota's health care community.
- Vision: Our vision is to be the leading research network collaborating across
  Minnesota to equitably improve health outcomes.
- Key Principles:
  - Prioritize privacy through a distributed data model
  - Voluntary Collaboration
  - Good governance through our Governance Board
  - Adaptable and nimble



# Participating Sites (COVID-19 Vaccine Project)



#### Partnership

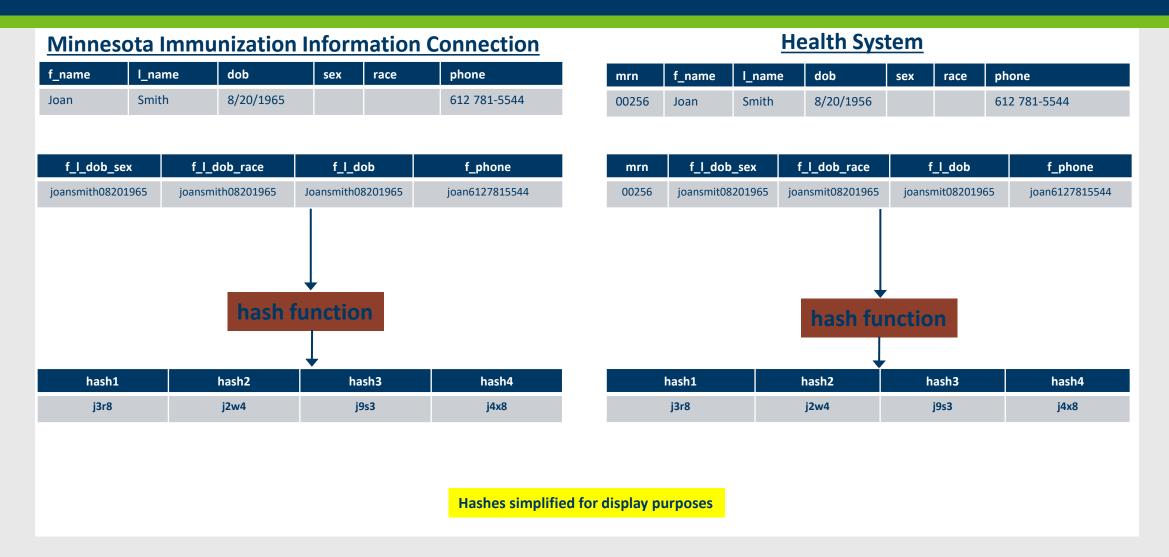
- Initiation
- Contract
  - Duties
    - Data Sharing timelines
    - Work towards a shared data model between the systems to streamline the process
    - Demonstration projects to further move the needle on EHRC work
  - Timeline: Through June 2024
  - Funding
    - CoAg Supplement 3
    - \$2.7M

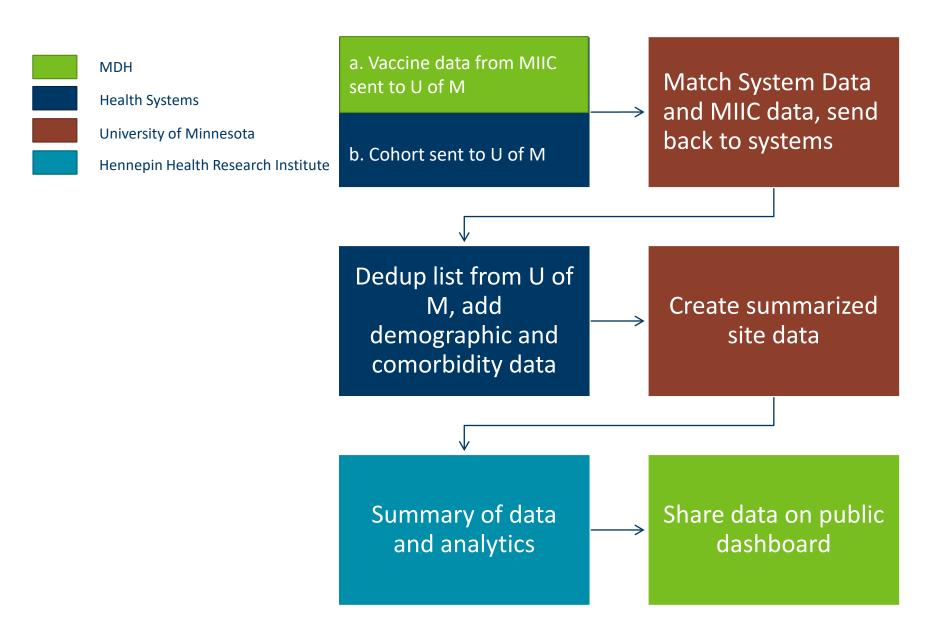


#### Process

9/9/2022 health.state.mn.us

#### Hashed Identifiers



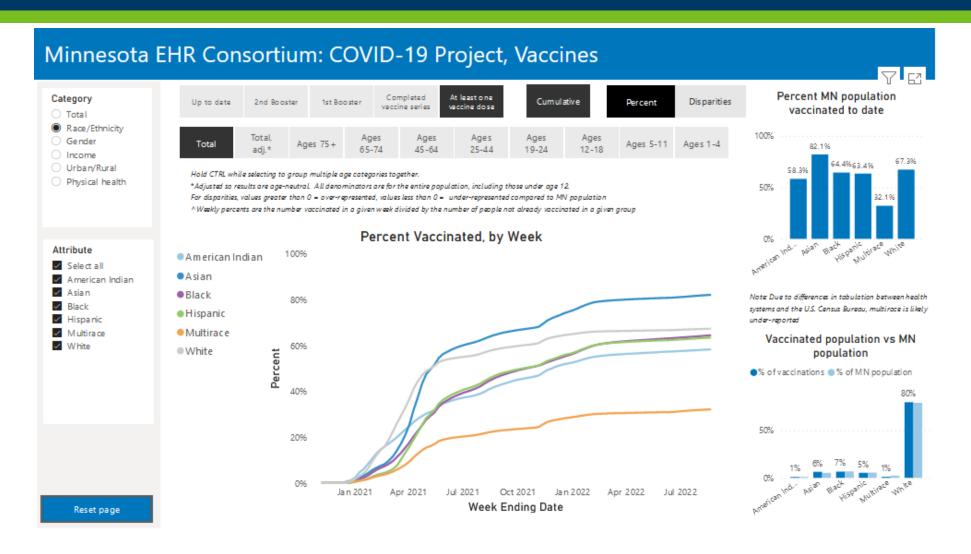


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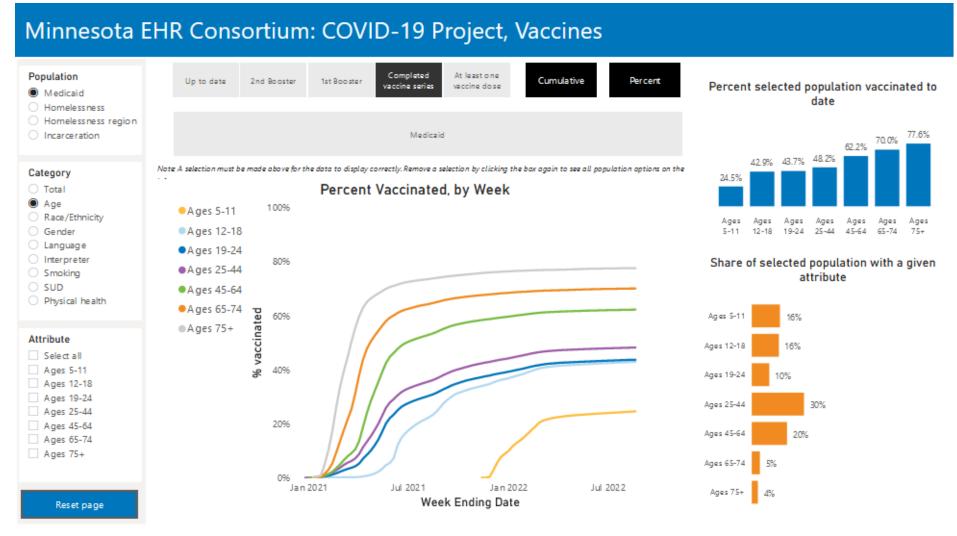


#### Outcomes and Data Use

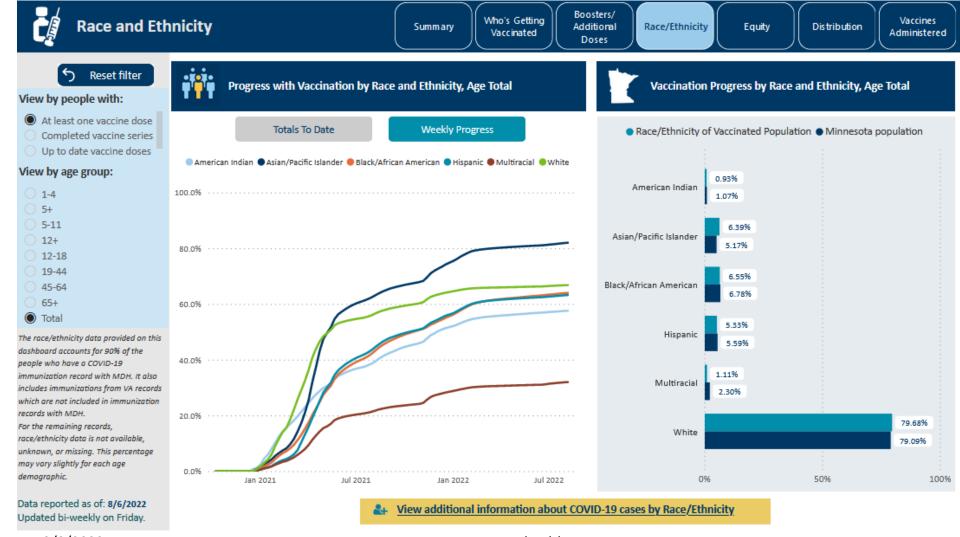
#### **EHRC** Dashboard



#### **EHRC Dashboard**



#### State of Minnesota Dashboard





#### **Future Work**

#### So Much Potential!

#### Projects

- HPV infection and immunization
- High risk conditions and immunization recommendations
- Endless non-immunization opportunity

#### Funding

Working to identify other partners in the agency to diversify funding and projects



### Thank You!

#### **Miriam Muscoplat**

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#### **Publications**

- Shearer RD, Vickery KD, Bodurtha P, Drawz PE, Johnson S, Jeruzal J, Waring S, Chamberlain AM, Kharbanda AB, Leopold J, Harrison B, Hiler H, Khazanchi R, Rossom R, Margolis KL, Rai NK, Muscoplat MH, Yu Y, Dudley RA, Klyn NAM, Winkelman T NA. COVID-19 Vaccination Of People Experiencing Homelessness And Incarceration In Minnesota. Health Aff (Millwood). 2022 Jun;41(6):846-852. doi: 10.1377/hlthaff.2021.02030. PubMed PMID: 35666963.
- Winkelman TNA, Margolis KL, Waring S, Bodurtha PJ, Khazanchi R, Gildemeister S, Mink PJ, DeSilva M, Murray AM, Rai N, Sonier J, Neely C, Johnson SG, Chamberlain AM, Yu Y, McFarling LM, Dudley RA, Drawz PE. Minnesota Electronic Health Record Consortium COVID-19 Project: Informing Pandemic Response Through Statewide Collaboration Using Observational Data. Public Health Reports. 2022;137(2):263-271. doi:10.1177/00333549211061317
- Winkelman TNA, Rai NK, Bodurtha PJ, Chamberlain AM, DeSilva M, Jeruzal J, Johnson SG, Kharbanda A, Klyn N, Mink PJ, Muscoplat M, Waring S, Yu Y, Drawz PE. Trends in COVID-19 Vaccine Administration and Effectiveness Through October 2021. JAMA Netw Open. 2022;5(3):e225018. doi: 10.1001/jamanetworkopen.2022.5018. PubMed PMID: 35357452; PubMed Central PMCID: PMC8972031.
- Drawz PE, DeSilva M, Bodurtha P, Benitez GV, Murray A, Chamberlain AM, Dudley RA, Waring S, Kharbanda AB, Murphy D, Muscoplat MH, Melendez V, Margolis KL, McFarling L, Lupu R, Winkelman TNA, Johnson SG. Effectiveness of BNT162b2 and mRNA-1273 Second Doses and Boosters for SARS-CoV-2 infection and SARS-CoV-2 Related Hospitalizations: A Statewide Report from the Minnesota Electronic Health Record Consortium. Clin Infect Dis. 2022 Feb 7;. doi: 10.1093/cid/ciac110. PubMed Central PMCID: PMC8903410.
- Khazanchi R, Spaulding AB, Bodurtha PJ, Neely C, Winkelman TNA. Trends in Pediatric Viral Symptoms, Influenza Testing, and SARS-CoV-2 Testing From a Statewide Electronic Health Record Consortium, January 2017 to July 2021. Academic Pediatrics. 2021 Nov-Dec;21(8):1420-1425. doi: 10.1016/j.acap.2021.08.008.

#### Land Acknowledgement

Every community owes its existence and vitality to generations from around the world who contributed their hopes, dreams, and energy to making the history that led to this moment. Some were brought here against their will, some were drawn to leave their distant homes in hope of a better life, and some have lived on this land for more generations than can be counted. Truth and acknowledgment are critical to building mutual respect and connection across all barriers of heritage and difference.

We begin this effort to acknowledge what has been buried by honoring the truth. We are standing on the ancestral lands of the Dakota people. We want to acknowledge the Dakota, the Ojibwe, the Ho Chunk, and the other nations of people who also called this place home. We pay respects to their elders past and present. Please take a moment to consider the treaties made by the Tribal nations that entitle non-Native people to live and work on traditional Native lands. Consider the many legacies of violence, displacement, migration, and settlement that bring us together here today. Please join us in uncovering such truths at any and all public events.\*

<sup>\*</sup>This is the acknowledgment given in the USDAC Honor Native Land Guide – edited to reflect this space by Shannon Geshick, MTAG, Executive Director Minnesota Indian Affairs Council