VACCINATION FOR ADULTS



STRATEGY INTRO: Increase demand for, and access to flu, COVID-19, and other adult vaccinations via 40 pop-up community clinics at the places that cultural groups feel comfortable and connected, and increase regularity of vaccine promotion in priority communities; and increase the percentage of pan-Asian and pan-African seniors who are up-to-date with recommended adult vaccinations.

STUDY REVEALS DISPARITIES IN MINNESOTA'S COVID-19 VACCINATION RATES

A recent study titled "Disparities in Minnesota's COVID-19 Vaccination Rates" by Colin Planalp, MPA, Senior Research Fellow, and his colleagues at the State Health Access Data Assistance Center (SHADAC), reveals significant disparities in COVID-19 vaccination rates across various demographic groups in Minnesota. The study analyzed "time-to-vaccination" data—the amount of time it took to vaccinate 50% of different population subgroups—and found that communities of color and rural populations were often left under-vaccinated for significantly longer than others.

RACIAL DISPARITIES IN VACCINATION RATES

While the development of the COVID-19 vaccine was a major scientific achievement, the rollout exposed deep-rooted inequities in the public health system. The study found that Minnesota's American Indian and Alaska Native populations faced the most prolonged delays. By the end of 2022, only 53% of this group had been fully vaccinated, compared to 65% of white



Minnesotans. It took 15 months for Minnesota to fully vaccinate half of its American Indian and Alaska Native population-more than double the time it took to vaccinate 50% of white, Asian, and Native Hawaiian and Pacific Islander residents.

Even among groups with similar end-of-year vaccination rates, the timeline revealed stark differences. Black, Latino, and white Minnesotans had comparable full vaccination rates by the end of 2022 (61%, 61%, and 65%, respectively). However, while 50% of white residents were fully vaccinated within six months, it took twice as long-about 12 months-for Black and Latino populations to reach the same milestone.



Figure 3: Minnesota COVID-19 Vaccination Rates by Race and

AGE-BASED VACCINATION DISPARITIES

The study also noted age-based differences in vaccine rollout. Older Minnesotans (65+) were prioritized effectively, with 50% fully vaccinated within three months of emergency-use authorization. By the end of 2022, nearly all elderly residents had been fully vaccinated. In contrast, younger adults (ages 19–24) were slower to reach vaccination milestones, with only two-thirds fully vaccinated by the end of 2022. Racial disparities among young adults were especially pronounced. While 84% of Asian and Native Hawaiian and Pacific Islander young adults were fully vaccinated, only 49% of their American Indian and Alaska Native peers had received full vaccination.

GEOGRAPHIC DIFFERENCES IN VACCINATION RATES

Geography also played a significant role in vaccination outcomes. Residents of urban and suburban areas were vaccinated at much higher and faster rates than those in rural, exurban, or small-town communities. By the end of 2022, 72% of people in urban/suburban areas were fully vaccinated, compared to just over half of those in more remote areas.

Time-to-vaccination data showed that it took:

- Five months to reach the 50% vaccination threshold in urban and suburban areas
- Nine months for small towns
- 12 months for rural and exurban communities

ADDRESSING HEALTH CARE INEQUITIES

Lead author Colin Planalp emphasized that the disparities revealed in the study serve as a stark reminder of persistent inequities in the U.S. healthcare system.

"Identifying these disparities, especially the glaring differences in the time it took to vaccinate various populations across the state, can be a useful tool for policymakers and public health officials in addressing future health emergencies," Planalp said.

Data for the study was sourced from the Minnesota Electronic Health Record Consortium, a collaboration between the Minnesota Department of Health and several large health care providers, aimed at monitoring and improving the state's health care quality.



3

A CALL FOR MORE EQUITABLE PUBLIC HEALTH EFFORTS

This study serves not only as a snapshot of the state's pandemic response but also as a call to action to ensure more equitable health outcomes in the future. The study highlights the need to develop targeted vaccination outreach strategies for American Indian and Alaska Native populations, who experienced the longest delays in reaching vaccination milestones. Health officials should create culturally responsive public health campaigns specifically addressing barriers faced by Black and Latino communities, who took twice as long as white residents to reach the 50% vaccination threshold. Young adults (ages 19-24) need dedicated education and incentive programs to improve their vaccination rates, with particular focus on closing racial disparities within this age group. Resources also should be redirected to rural, exurban, and small-town communities which had significantly lower vaccination rates than urban areas, requiring special attention to transportation and accessibility issues.

These findings highlight how differences in vaccination timing and access impacted various communities across Minnesota, especially those already facing systemic barriers. These insights reinforce the importance of inclusive and culturally responsive public health efforts. However, ongoing progress is now at risk. Due to sudden federal funding cuts, the Minnesota Department of Health (MDH) has been forced to suspend partner-led vaccine clinics, delay upgrades to the state's immunization information system, and reduce overall public health preparedness. Without sustained investment, the state may struggle to close longstanding gaps and protect vulnerable communities in future health emergencies.

REFERENCE

Disparities in Minnesota's COVID-19 vaccination rates | SHADAC. (n.d.). <u>https://www.shadac.org/disparities-minnesotas-covid-19-vaccination-rates</u>

Following federal funding cuts, MDH announces layoffs and reduced public health services - MN Dept. of Health. (n.d.). <u>https://www.health.state.mn.us/news/pressrel/2025/layoffs040125.html</u>

McDill, V. (2023, August 2). Study reveals disparities in Minnesota's COVID-19 vaccination rates -School of Public Health - University of Minnesota. School of Public Health. <u>https://www.sph.umn.edu/news/study-reveals-disparities-in-minnesotas-covid-19-vaccination-</u> <u>rates/#:~:text=Young%20adults%20experienced%20more%20vaccination,and%20Native%20Hawaiian%</u> <u>20and%20Pacific</u>

Planalp, C. & State Health Access Data Assistance Center. (2023). Disparities in Minnesota's COVID-19 vaccination rates.

https://www.shadac.org/sites/default/files/publications/Disparities%20in%20MN%20COVID19%20Vac cinations-SHADAC%20Brief.pdf