



Update On Vaccine Preventable Disease and Vaccinations

Gina Pistulka, Interim Public Health Director
Erin Carder, Deputy Director
Community Services Committee Meeting
October 14, 2025

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Agenda



- Public Health Responsibilities
- Disease Topics in the News
- Background of Vaccines
- Public Health Immunization Program
- Recent Dakota County/Minnesota data
- Staying Safe from Disease

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Minnesota Statute 145A:
Local Public Health Act

Role of the County Board
as Community Health Board

Public Health
Accreditation Board

Minnesota Infectious
Disease Operations Guide

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TEXAS MEASLES OUTBREAK

Texas' measles outbreak is nation's largest since 2000

The outbreak that originated in Texas has spread into multiple states. And, the summer will be the real test of how much bigger this outbreak can grow.

Florida Seeks to End Vaccine Mandates for Schoolchildren

Gov. Ron DeSantis says he would work to repeal any laws requiring immunization

3 new Minnesota measles cases reported last week in Dakota County, MDH says

Gov. Walz's order aims to continue protecting vaccine access in MN

Star Tribune

Measles exposure risk for anyone who visited Mall of America evening of May 24

Minnesota reports 13 more measles cases, raising 2025 total to 18



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Background on Vaccines



- Germ Theory
- 200 years of history and science
- How vaccines work in the body
- Herd immunity



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Vaccine Approval Process



Recommendations determined by Advisory Committee on Immunization Practices



CDC adopts and publishes childhood and adult vaccine schedule



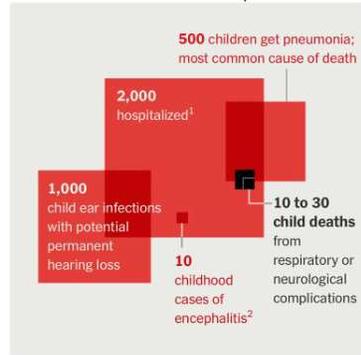
States determine requirements and vaccine coverage for health insurance and Medicaid

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Vaccines save lives

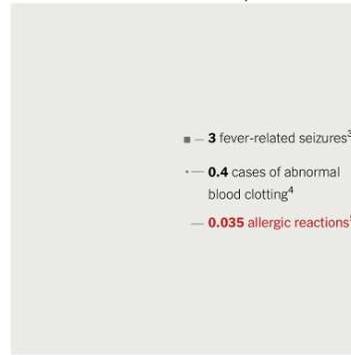


Effects per 10,000 people who get **measles**



Potentially serious complications shown **in red**

Effects per 10,000 people who get the **M.M.R. vaccine**



[Image: Your Local Epidemiologist](#)

1 dose MMR: **93% effective** at preventing measles
2 doses MMR: **97% effective** at preventing measles

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Return on Investment



[Your Local Epidemiologist](#)

Masters R, Anwar E, Collins B, et al., Return on investment of public health interventions: a systematic review, *J Epidemiol Community Health* 2017;71:827-834.

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Return on Investment



Adult vaccination programs

can return up to **19x** their initial government investment in healthcare savings and socioeconomic value



\$4,637 offering net benefits of up to \$4,637 per full vaccination course

[CIDRAP](#)

El Bahawi H., Chowdhury S., Neri M., Radu P., Besley S., Bell E., Brassel S., Steuten L., 2024. The Socioeconomic Value of Adult Immunisation Programmes. OHE Contract Research Report: Office of Health Economics. Available at: <https://www.ohe.org/publications/the-socio-economic-value-of-adult-immunisation-programmes/>

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Dakota Immunization Clinics, 2024



In 2024:



1,190 clients served



4,445 vaccinations administered

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Dakota Immunization Clinics 2025 Survey Data



What is your overall rating of the services you received today?



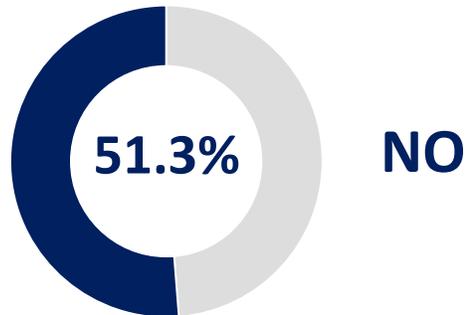
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Dakota Immunization Clinics 2025 Survey Data



If you or your child didn't come to our clinic today, would you or your child have gotten vaccinated somewhere else?



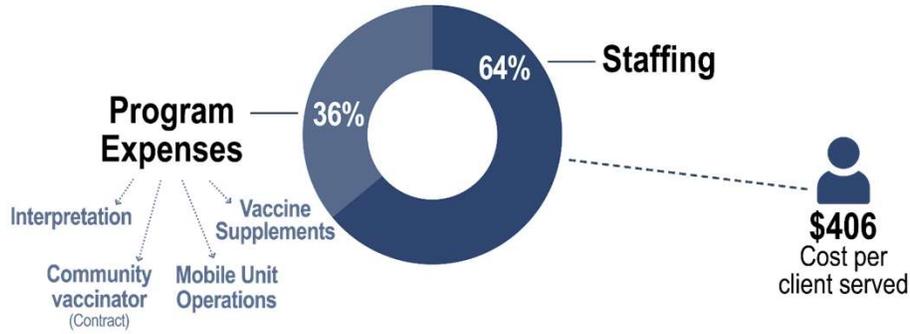
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Program Expenses

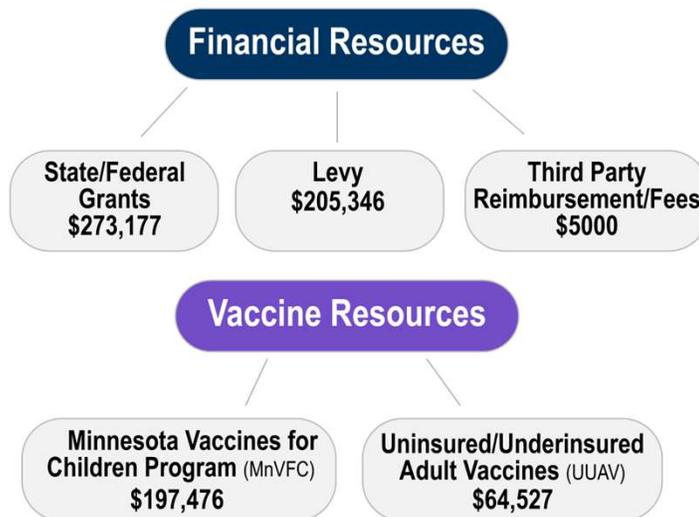


Total Expenses: \$483,524



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Program Resources



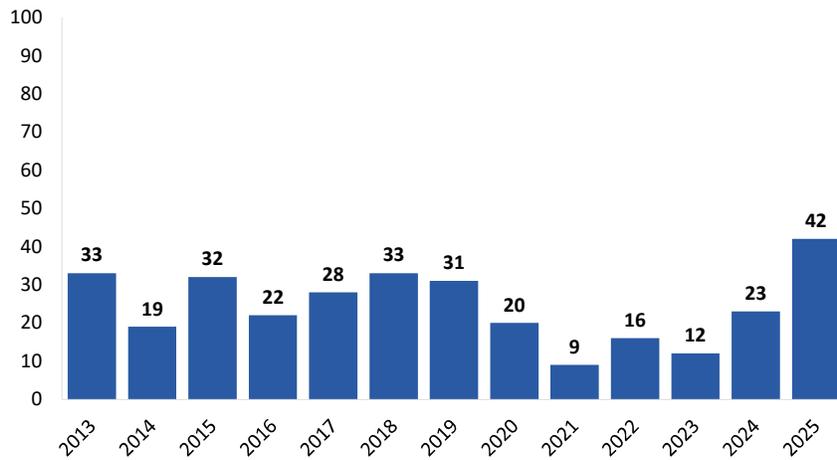
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Recent Disease Data in Dakota County

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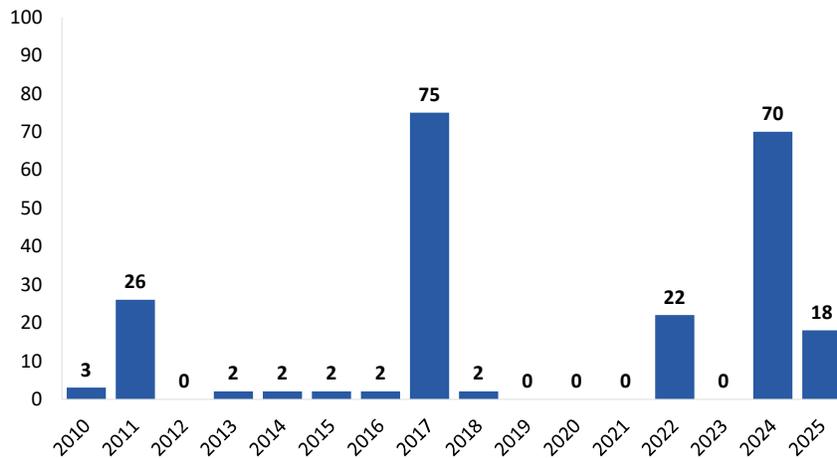
Varicella (Chicken Pox) Cases in Dakota County, 2010-2025



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Measles Cases in Minnesota, 2010-2025



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2025 Measles Response



- MDH notified Public Health on September 22nd – 2 cases
- Impacting multiple cities in Dakota County
- In all cases, children were unvaccinated
- Exposure locations - place of worship, school, place of business
- Higher than normal unvaccinated rate in school
- Sept 25th – Health Advisory to healthcare systems
- As of October 1st, we have confirmed 10 cases

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Continued Measles Response



- Public Health launched Incident Command System
 - Operations
 - Weekly meetings and as needed
 - Communications plans
 - Evaluate need for deployment to support efforts
 - Evaluate need for essential services
- Public Health response – contact interviews
- Collaboration - MDH, schools, internally, healthcare, partners, place of worship leadership

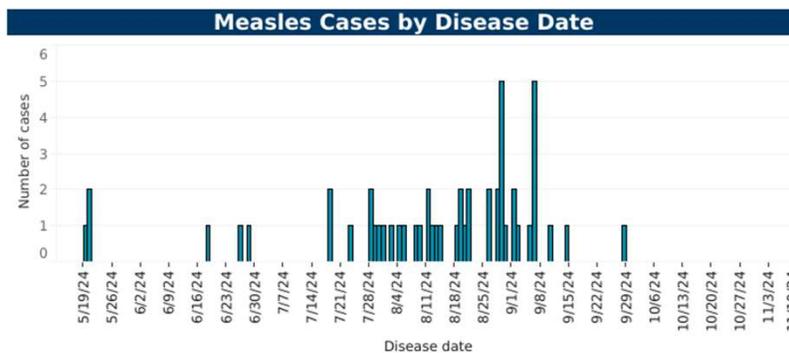
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Metro Measles Outbreak 2024



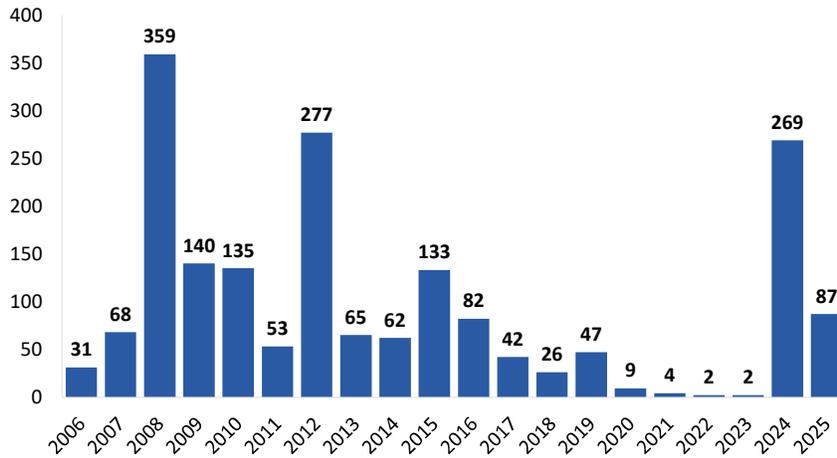
52 cases total were identified in Minnesota from May 2024 to Nov. 13, 2024

– Number of Dakota cases: 1



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Pertussis (Whooping Cough) Cases in **Dakota County**,
2006-2025



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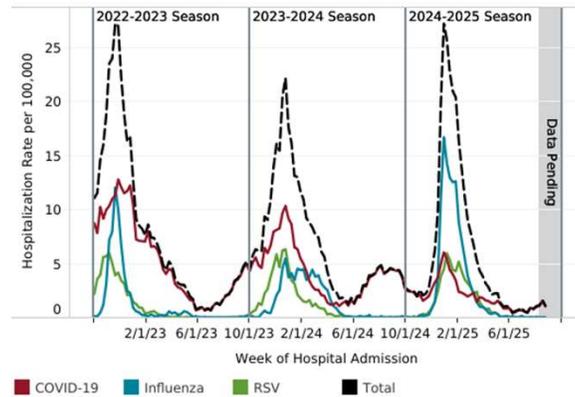
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Weekly Rates (Per 100,000 People) of COVID-19, Flu,
and RSV Hospitalizations, Twin Cities Metro



Weekly Rates of Respiratory Virus-Associated Hospitalizations

Select season: All Select disease: All Select location: Twin Cities Metro



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Staying Safe from Disease



- Current recommendations:
 - Stay up to date with recommended vaccines.
 - Practice good hygiene.
 - Cover your cough or sneeze.
 - Stay home if you are sick.
 - Consider wearing a mask indoors.
 - Test and treat.

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Questions?

Thank You!

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