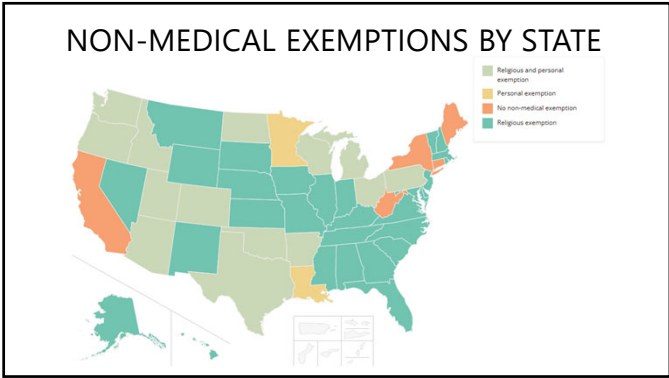


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3

Child Care Facility Immunization Requirements							
Vaccine Type	Minimum Number of Doses Required Per Age						
	2-3 Months	4-5 Months	6-7 Months	8-11 Months	12-17 Months	18-24 Months	2-5+ Years
MMR (Measles-Mumps-Rubella)					1	1	1
Varicella (Chickenpox)					1	1	1
HAV (Hepatitis A)					1	2	
Rotavirus ^a	1	2	2 or 3 ^a				
Hib ^a (Haemophilus influenzae type b)	1	2	2 or 3	2 or 3	3 or 4	3 or 4	3 or 4
HBV (Hepatitis B)	1	2	3	3	3	3	3
IPV (Polio)	1	2	3	3	3	3	3
PCV ^a (Pneumococcal)	1	2	3	3	4	4	4
DTaP/DT (Diphtheria-Tetanus-Pertussis)	1	2	3	3	4	4	4

Exemptions available: religious, personal belief, medical, history of disease

4

School Immunization Requirements			
Vaccine Type	Number of Required Doses		
	Kindergarten-6	Grades 7-10	Grade 11-12
DTaP/DTP/DT/Tdap/Td ^a	5	5	5
Hepatitis B	3	3	3
IPV/OPV ^a	4	4	4
MMR	2	2	2
Varicella (Chickenpox) ^a	2	2	2
Meningococcal ¹	0	1	2
Tdap ^a	0	1	1

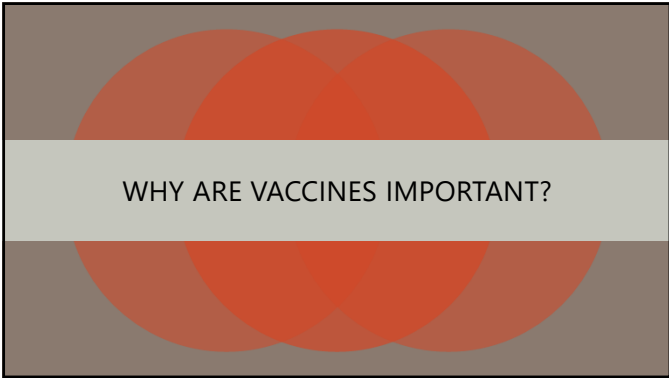
Exemptions available: religious, personal belief, medical, history of disease

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UNIVERSITY SYSTEM
(NDUS) REQUIREMENTS – POLICY AND PROCEDURE

- MMR required for all
- MCV-4 required for students under 21yo
- TB testing required
 - Vaccination is not required, since BCG is not licensed for use, in the US. Many foreign-born individuals will have had this vaccine.
- Exemptions are available

6

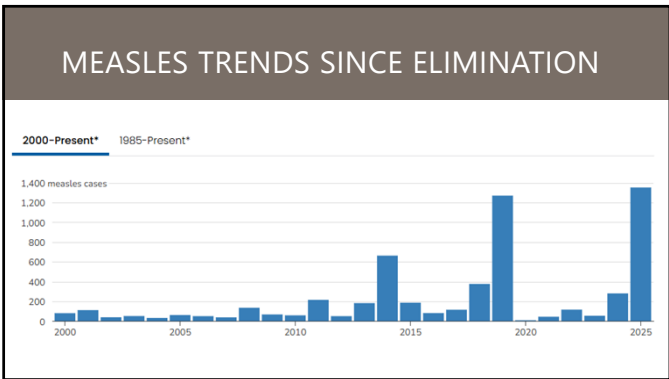


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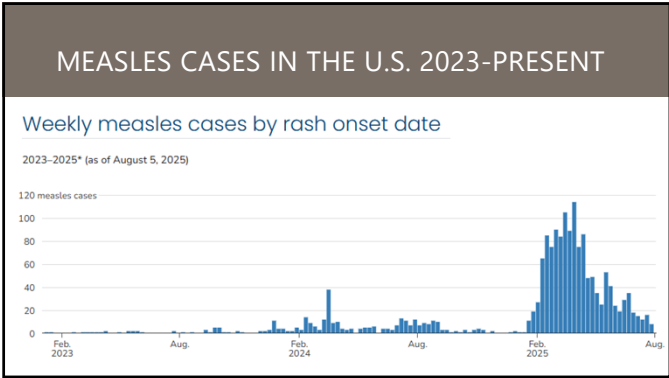
MEASLES CASES AND OUTCOMES

U.S. Cases in 2025 Total cases 1356 Age Under 5 years: 386 (28%) 5-19 years: 501 (37%) 20+ years: 462 (34%) Age unknown: 7 (1%) Vaccination Status Unvaccinated or Unknown: 92% One MMR dose: 4% Two MMR doses: 4%	U.S. Hospitalizations in 2025 13% 13% of cases hospitalized (171 of 1356). Percent of Age Group Hospitalized Under 5 years: 21% (82 of 386) 5-19 years: 8% (40 of 501) 20+ years: 11% (49 of 462) Age unknown: 0% (0 of 7) U.S. Deaths in 2025 3 There have been 3 confirmed deaths from measles.
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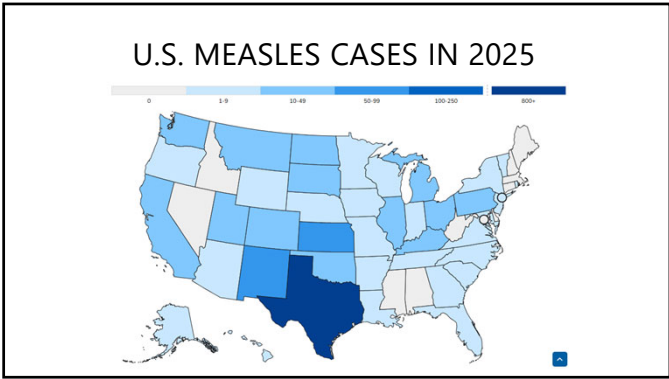
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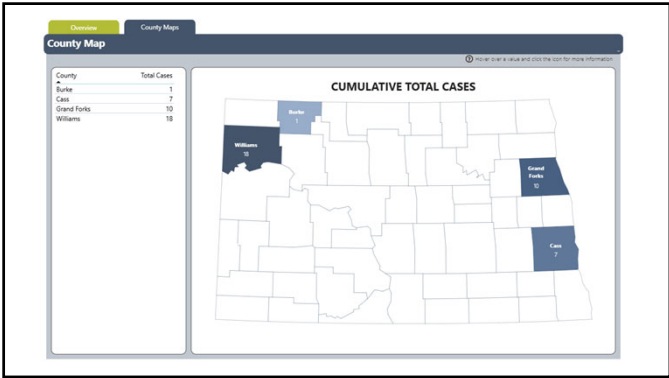
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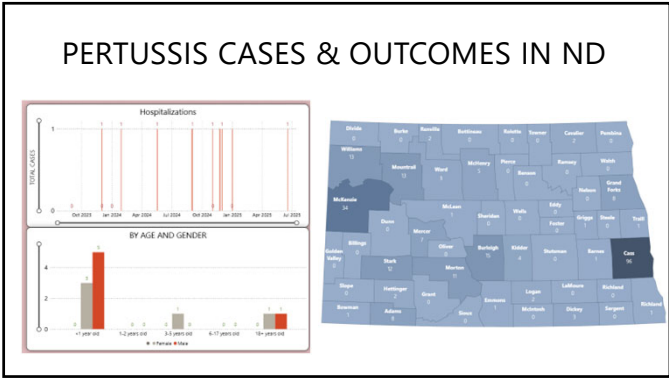
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Slide 14

MH1 Confusing that this is multiple years.

Howell, Molly A., 2025-08-11T15:26:12.264

DP1 0 That is intentional - not the confusion, but the long timeline to highlight how school is a driver for pertussis outbreaks.

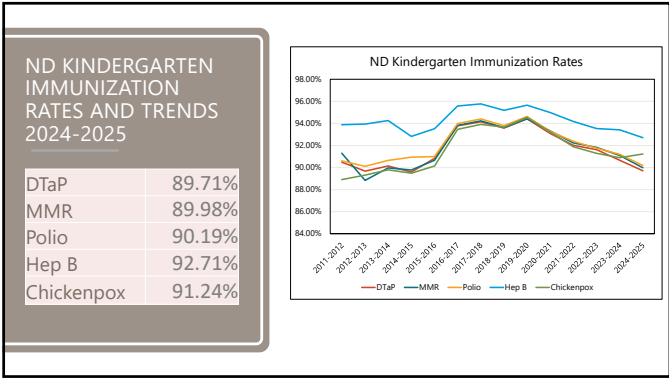
Pinnick, Danielle, 2025-08-11T19:23:55.712



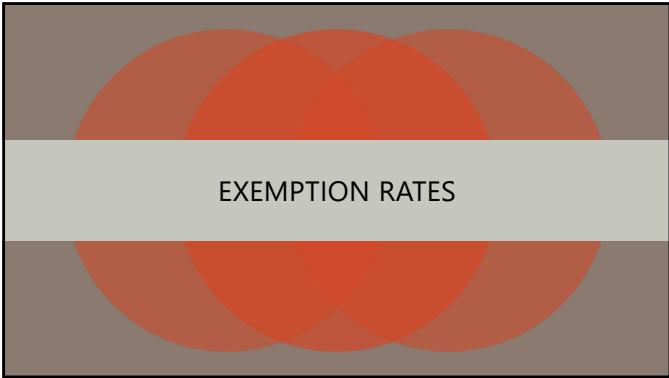
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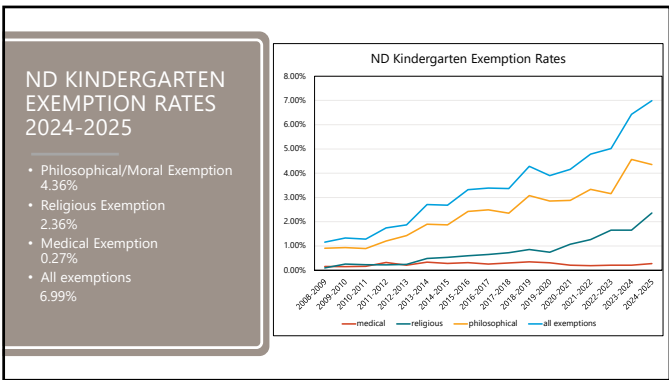
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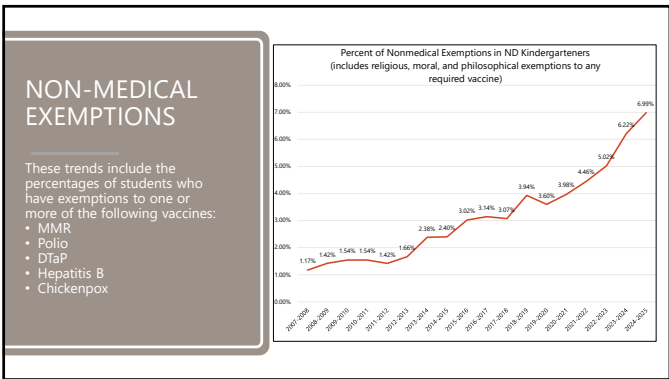
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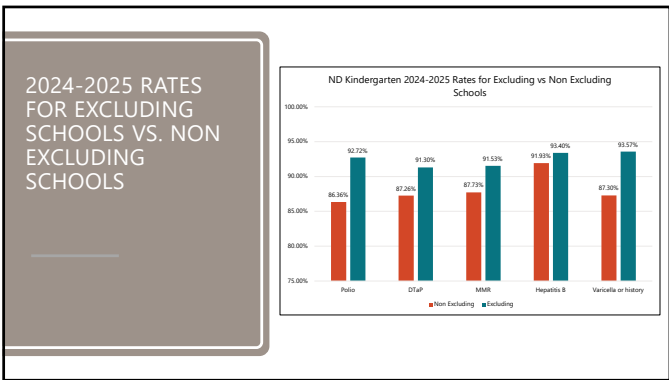
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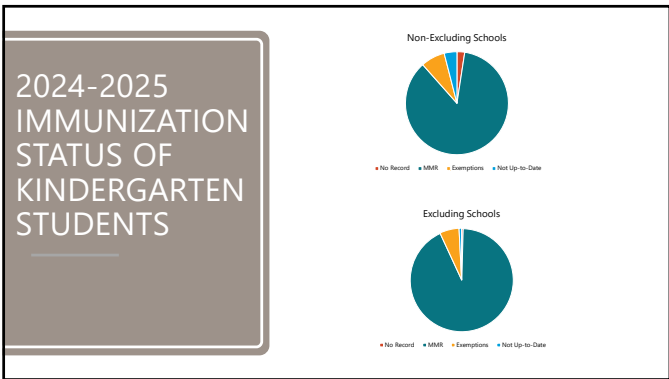
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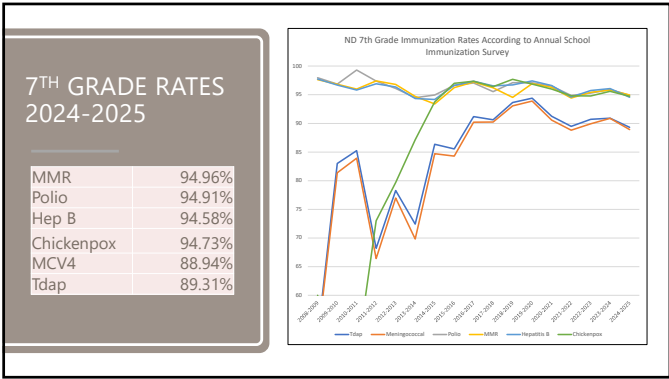
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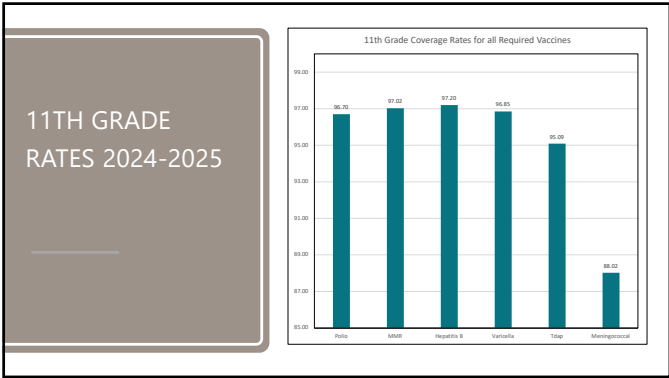
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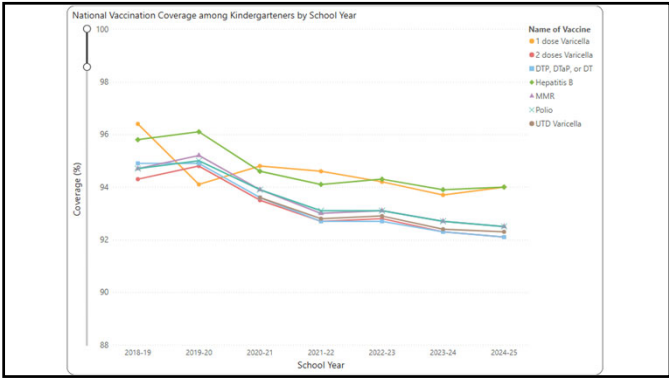
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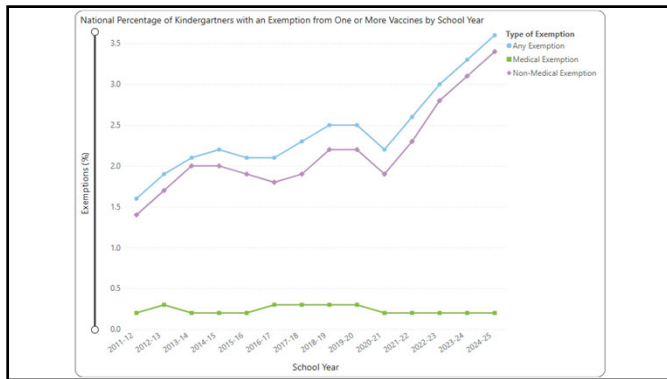
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PERTUSSIS: CASE AND CONTACT MANAGEMENT

- Index case receives antibiotics to shorten infectious period
 - If given after cough begins this will not shorten duration of illness or lessen symptoms
 - If a breakthrough infection (infection despite vaccination), symptoms may be more mild
- Index case must ISOLATE at home and be excluded from work, school, or daycare until they have been on antibiotics for FIVE DAYS
- All household contacts should receive antibiotics, regardless of vaccination status or symptoms
 - Household contacts with symptoms are considered probable cases and included in case count. Must also ISOLATE at home while on antibiotics or until 21 days has passed since start of cough.
- Close contacts should receive antibiotics if they are high risk or have exposure to high-risk people
 - Ex: infants, pregnant, NICU employee
 - Type of exposure may warrant antibiotic treatment for certain close contacts (i.e. sports team)

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PERTUSSIS IN SCHOOL AND CHILD CARE

- Letters written by ND HHS are distributed to parents of close contacts via school or daycare provider to notify of exposure
- Close contacts are determined through an investigation of the nature of exposure
 - Ex: in a large daycare facility, a single "room" or group may be considered exposed if interaction with other groups is limited, whereas in a school where students all eat lunch together, it may be decided that a whole school should be notified.

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MEASLES CASE AND CONTACT MANAGEMENT

- Index case is identified: through case investigation, all places this person has been in the four days before rash onset until four days after are considered exposure sites. The case must also ISOLATE at home until four days after the rash first appeared.
- School or child care setting: students who have received zero doses of MMR prior to exposure are EXCLUDED from school and asked to QUARANTINE for 21 days following exposure. *In Williams county, 188 students met this criteria and required exclusion from school. Staff were also considered exposed and excluded if they had not been vaccinated.*
- Household setting: household members are asked to quarantine starting 5 days after their first exposure to the case and until 21 days after their last exposure to the case.

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MEASLES RESPONSE IN WILLISTON PUBLIC SCHOOLS



Lynne Shengler is the nursing director for the Williston Public School District in North Dakota, which has about 4,000 students. Shengler meeting with other school nurses from the district to discuss the response to the measles outbreak in the area.

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POST-TEST

- Successfully complete the five-question post-test to receive your certificate for nursing credit using the link below:
https://ndhealth.co1.qualtrics.com/jfe/form/SV_5bBrp8HAYp8Qsm2
- Credit for this session will be available until September 9, 2025.
- This presentation will be posted to our website at:
www.hhs.nd.gov/immunizations

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IMMUNIZATION UNIT STAFF MEMBERS

For general immunization questions: vaccine@nd.gov

For NDIIS-specific questions: NDIIS@nd.gov

Immunization Unit

Molly Howell, MPH
Director
Phone: 701-328-4556
Email: mhowell@nd.gov

Abbi Berg, MPH
VFC/Quality Improvement Manager
Phone: 701-328-3324
Email: aberg@nd.gov

Miranda Baumgartner
VFC/QI Coordinator (West)
Phone: 701-328-2035
Email: mbaumgartner@nd.gov

Rachel Flores
VFC/QI Coordinator (East)
Phone: 701-328-9016
Email: rflores@nd.gov

Jenny Galbraith
Adult Immunization Manager
Phone: 701-328-2335
Email: jgalbraith@nd.gov

Mary Woinarowicz, MA
NDIS Manager
Phone: 701-328-2404
Email: mary.woinarowicz@nd.gov

Allison Dykstra, MS
NDIS Coordinator
Phone: 701-328-2420
Email: adykstra@nd.gov

Ronda Kercher
NDIS Data Admin
Phone: 701-226-1379
Email: rkercher@nd.gov

Melissa Marto
NDIS Data Quality Coordinator
Phone: 701-328-4169
Email: mmarto@nd.gov

Lynde Monson
CDC Public Health Advisor
Phone: 701-239-7169
Email: lyndemonson@nd.gov

Danni Pinnick, MPH
Immunization Surveillance Coordinator
Phone: 701-239-7169
Email: dpinnick@nd.gov

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THANK YOU

NORTH
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Health

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