

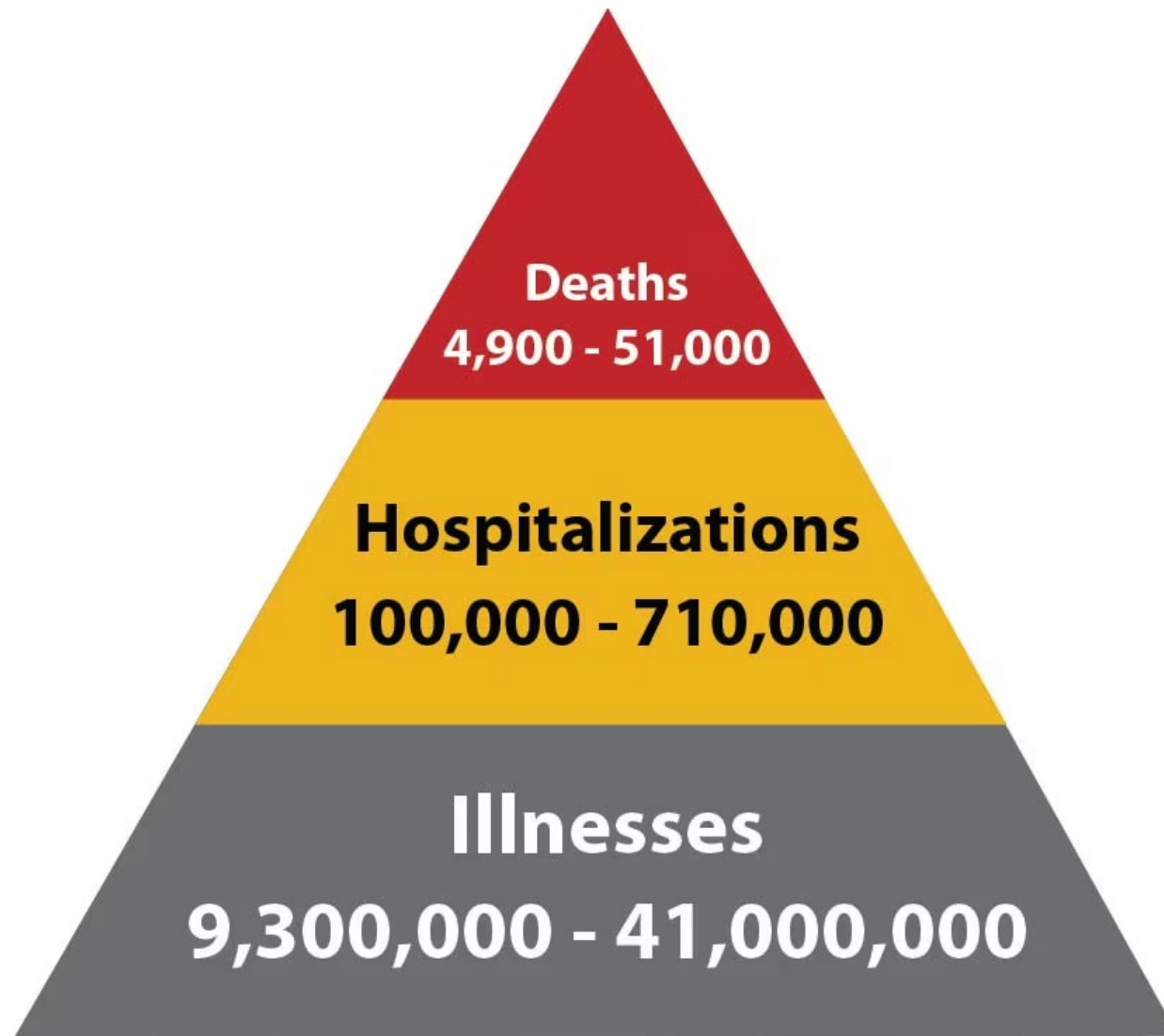
Health Officer Report

Fall 2024 Respiratory Virus Update

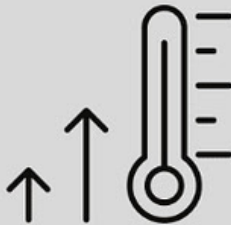
09.20.2024

Tracie Newman, MD, MPH, FAAP

Annual U.S. Flu Burden, 2010 – 2023



Influenza Vaccine

	What are the options?	Who is eligible?	How well do they work?	When should I get it?
INFLUENZA 	A shot that targets 3 strains of seasonal flu	6 months+	Reduces the risk of going to the doctor by 40-60%	October is ideal, as vaccine protection wanes over a season

FCPH hosts *Flu Shot Fridays*



October 18th
12 pm – 4 pm



October 25th
7:30 am – 12:30 pm



Oak Room,
main FCPH
building



Vaccines for
everyone 6
months +,
walk-in basis

High-dose
vaccine
available for
65+



COVID-19
vaccines
available upon
request

Annual RSV Burden in the United States

Children < 5 years:

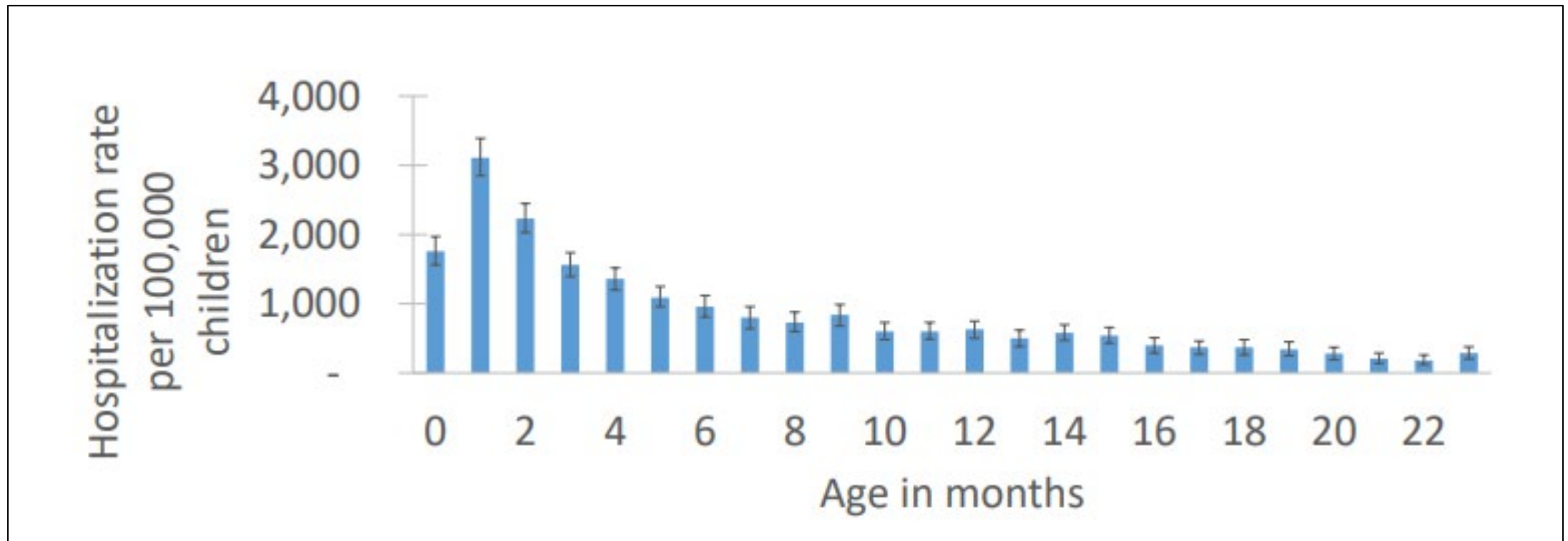
- 2.1 million outpatient visits
- 58,000-80,000 hospitalizations
- 100–300 deaths

Adults 65 + years:


- 60,000-160,000 hospitalizations
- 6,000-10,000 deaths

RSV Epidemiology


- Most infants (68%) infected during the 1st year of life; nearly all (97%) by age 2
- Most common cause of hospitalization in U.S. infants (2-3% of young infants)
 - Prematurity / chronic disease increases risk, but most (79%) are in healthy, term infants
 - Risk of hospitalization higher in younger infants




RSV Immunization – Infants

What are the options?	Who is eligible?	How well do they work?	When should I get it?
RSV MONOCLONAL ANTIBODY  This is not a vaccine (doesn't teach the body to make antibodies) but rather a preventive medication (provides antibodies)	All infants <8 months if mother didn't get RSV vaccine during pregnancy. High-risk infants 8-19 months	Reduces risk of hospitalization by 80-96%	Protection lasts 4-6 months

RSV Vaccine – Pregnancy

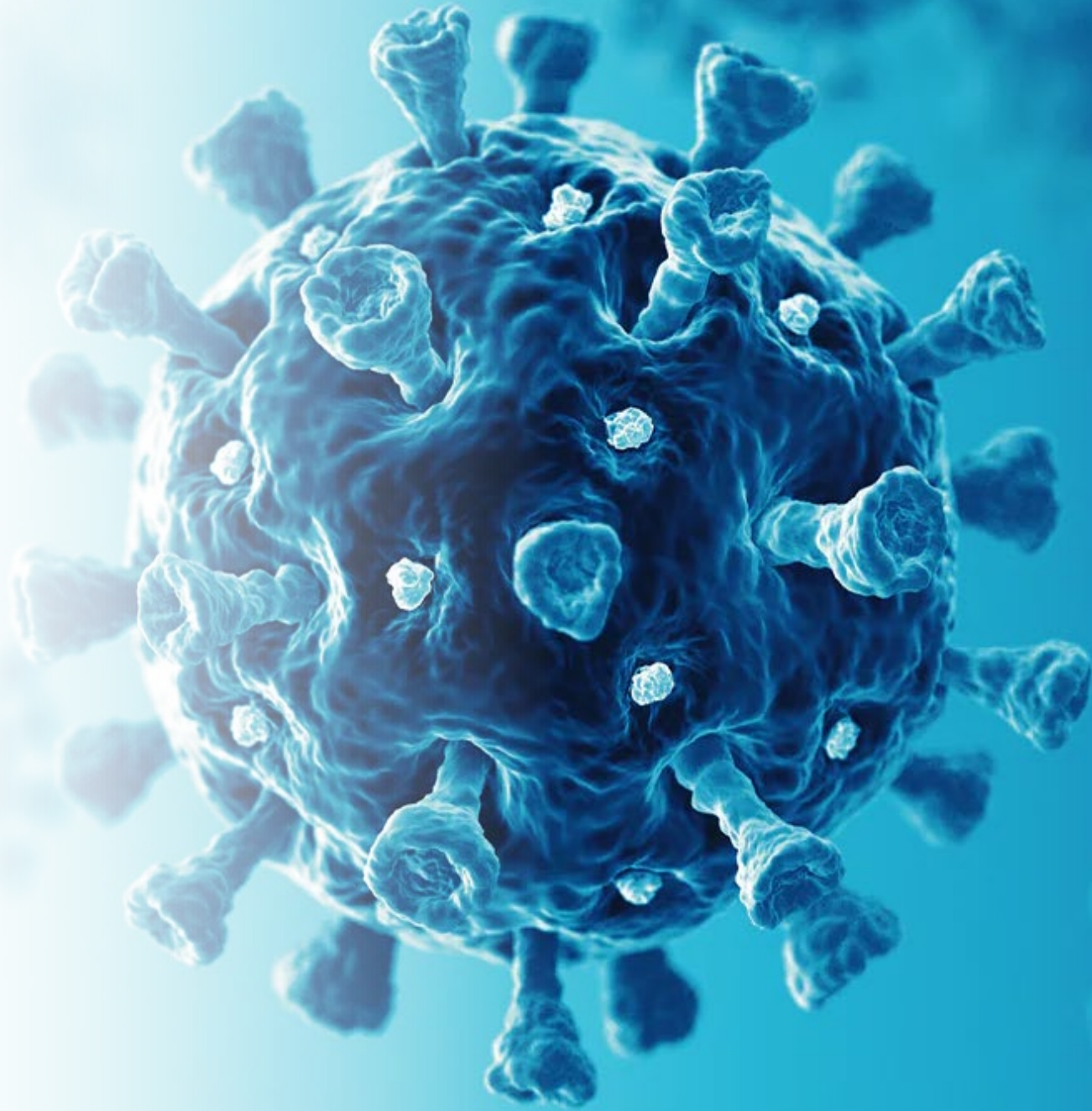
	What are the options?	Who is eligible?	How well do they work?	When should I get it?
RSV (PREGNANCY) 	Pfizer's vaccine called ABRYSVO	Pregnancy (passes to baby for protection in first 6 months of life)	82% efficacy in preventing hospitalization in first 3 months of life. 69% efficacy after 6 months	32 to 36 weeks of pregnancy and only during Sept-January

RSV Vaccine – Older Adults


	What are the options?	Who is eligible?	How well do they work?	When should I get it?
RSV (OLDER ADULTS) 	3 options: GSK and Pfizer (traditional protein) or Moderna (mRNA)	This is not an annual vaccine. 60-74 years “may” get it and >75 years “should” if did not get it last year	82-86% efficacy against severe disease	Now; no need to juggle timing as protection is durable

COVID-19

- As of June 2024, nearly 1.2 million deaths in the U.S.
- SARS-CoV-2 virus
- Mild → severe
- Long COVID
- Asymptomatic spread
- Changing variants



COVID-19 Vaccine

	What are the options?	Who is eligible?	How well do they work?	When should I get it?
COVID-19 	<p>Updated vaccine formula targeting JN.1 or KP.2 – Omicron subvariants</p> <p>Options: Moderna and Pfizer (mRNA) or Novavax (protein)</p>	<p>6 months+</p>	<p>Last year, the fall vaccine provided 40-60% additional protection against severe disease</p>	<p>Protection against severe disease: Get now</p> <p>Protection against infection: Best to get it right before a wave, which can be challenging to time</p> <p>Recently infected? Wait at least 4-6 months</p>

Free Covid Tests



U.S. Department of Health & Human Services

COVID-19 Testing

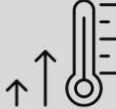




Coming soon! Order your free COVID-19 Tests at the end of September.

U.S. households will be eligible to order 4 free COVID-19 tests at [COVIDTests.gov](https://www.covidtests.gov). The COVID-19 Tests will detect current COVID-19 variants and can be used through the end of the year.

[COVID-19 Testing \(hhs.gov\)](https://www.covidtests.gov)

FALL 2024 VACCINES

Version: Aug 2024

	What are the options?	Who is eligible?	How well do they work?	When should I get it?
INFLUENZA	 <p>A shot that targets 3 strains of seasonal flu</p>	6 months+	Reduces the risk of going to the doctor by 40-60%	October is ideal, as vaccine protection wanes over a season
COVID-19	 <p>Updated vaccine formula targeting JN.1 or KP.2 - Omicron subvariants</p> <p>Options: Moderna and Pfizer (mRNA) or Novavax (protein)</p>	6 months+	40-60% additional protection against severe disease	<p>Protection against severe disease: Get now</p> <p>Protection against infection: Best to get it right before a wave, which can be challenging to time</p> <p>Recently infected? Wait at least 4-6 months</p>
RSV (OLDER ADULTS)	 <p>3 options: GSK and Pfizer (protein) or Moderna (mRNA)</p>	This is not an annual vaccine. If you didn't get it last year, 60-74 years "may" get it and >75 years "should"	82-86% efficacy against severe disease	Now; no need to juggle timing as protection is durable
RSV (PREGNANCY)	 <p>Pfizer's vaccine called ABRYSVO</p>	Pregnancy (passes to baby for protection in first 6 months of life)	82% efficacy in preventing hospitalization in first 3 months of life. 69% efficacy after 6 months	32 to 36 weeks of pregnancy and only during Sept-January
RSV MONOCLONAL ANTIBODY	 <p>This is not a vaccine (doesn't teach the body to make antibodies) but rather a preventive medication (provides antibodies)</p>	All infants <8 months if mother didn't get RSV vaccine during pregnancy. High-risk infants 8-19 months	Reduces risk of hospitalization by 80-96%	Protection lasts 4-6 months

Pertussis Outbreak – Ongoing



- Since Jan 2024, 41 cases in Cass County
 - 15 cases since Aug 1; 1 hospitalization
 - Most cases impacting children < 5 years
- Mostly childcare settings, schools starting to see cases and exposures
- People with previous infection or vaccination are susceptible to disease after 5-10 years
- Up to date vaccination of everyone eligible is the best protection
 - Children: 5 dose series before starting kindergarten
 - Adolescents: 2 doses at age 11-12 & 16
 - Pregnant Women: once during each pregnancy
 - Adults: get Tdap if never vaccinated; booster every 10 years

Fall Respiratory Season Kickoff



Press conference at FCPH on
Monday, Sept 23 @ 10:30



Collaborative effort: NDHHS,
FCPH, Sanford, Essentia, Family
Health Care, NDSU, Foundation
for a Healthy North Dakota