



DELAWARE COUNTY HEALTH DEPARTMENT

Measles and Pertussis Update

DCHD Epidemiology and Personal Health Divisions

March 27, 2025

Delaware County Health Department | 1000 N. 10th St., P.O. Box 1000 | York, PA 17405

Disease Investigation Specialist (DIS)

- Four investigators on the team investigate all reportable diseases except for STI/STD, HIV, and Tuberculosis
- Nurse that investigates Hospital Acquired Infections (HAI)
- Nurse that investigates lead poisoning and Perinatal Hepatitis B



Preventing Measles Through Vaccination

Measles Mumps Rubella (MMR) Vaccine

- Children need 2 doses of MMR vaccines:
 - 1st dose at 12–15 months old
 - 2nd dose at 4–6 years old
- Older children, adolescents, & adults
 - 1 or 2 doses of MMR vaccine if they don't have evidence of immunity.
 - Doses should be separated at least 28 days apart.
 - If you received the inactivated measles vaccine between 1963 and 1967, you may need a booster.
- Anyone traveling internationally
 - Should be fully vaccinated before traveling
 - Infants 6 – 11 months old need 1 dose of MMR before travel (Then they should get 2 more doses after their first birthday)

One dose of MMR vaccine is:

- 93% effective against measles
- 72% effective against mumps
- 97% effective against rubella

Two doses of MMR vaccine are:

- 97% effective against measles
- 86% effective against mumps

Preventing Pertussis Through Vaccination

- CDC recommends DTaP vaccination for all infants and children younger than 7 years old.
 - Administer a **5-dose DTaP series**, 1 dose at each of the following ages:
 - 2 months
 - 4 months
 - 6 months
 - 15 through 18 months
 - 4 through 6 years
- CDC recommends routine Tdap vaccination for all adolescents.
 - Administer a **single dose of Tdap** at 11 to 12 years of age.
- Special considerations
 - Immunity to pertussis following Tdap vaccination wanes after a few years.
 - No recommendation to administer booster doses to protect again pertussis.
 - Adults do need booster doses every 10 years to maintain protection against tetanus and diphtheria.

<https://www.cdc.gov/diphtheria/hcp/vaccine-recommendations/index.html>

School-Aged Immunization Initiatives

- **Vaccines for Children (VFC) Clinics**
 - Must qualify for VFC (uninsured, underinsured, Alaska Native or Native American)
 - Murphy's Giving Market Food Pantry and Resource Center
 - Centro de Apoyo Community Center
 - Weekly vaccine clinics at Yeadon
 - Weekend and evening vaccine clinics at Yeadon
 - Monthly vaccine clinics at Chester
- **Tdap and Meningitis(MCV4) Vaccine Clinics**
 - Administered Tdap and/or MCV4 vaccines to 7th and 12th grade students regardless of insurance status
 - Yeadon Wellness Center
 - Upper Darby High School (after school hours)
 - William Penn School District (during school hours)
 - Interboro School District (during school hours)

Vaccine Events

