



A Quick Look at Using Tdap (Tetanus, diphtheria, pertussis) Vaccine

<p>Tdap Vaccines:</p> <ul style="list-style-type: none">• Boostrix®: for persons aged 10 years and older¹• Adacel®: for persons aged 10 through 64 years¹ <p>Routine Indications for Use and Schedule:</p> <ul style="list-style-type: none">• Administer a single dose to:<ul style="list-style-type: none">- Adolescents at aged 11-12 years- Persons aged 13 years/older without a documented dose- Pregnant women during <u>every</u> pregnancy (see below) <p>Minimum interval²:</p> <ul style="list-style-type: none">• To ensure pertussis protection, administer a single Tdap dose regardless of the interval since last tetanus/diphtheria-containing vaccine (DTaP, Td)	<p>Vaccine Administration</p> <ul style="list-style-type: none">• Intramuscular (IM) injection in the deltoid muscle (arm)• 1-1.5 inch, 22-25 gauge needle• Use professional judgment when selecting needle length• Can be given simultaneously with other vaccines
	<p>Storage and Handling</p> <ul style="list-style-type: none">• Store in the refrigerator between 35°-46°F (2°-8°C)**• Do NOT freeze• Keep in original box with lid on• Shake well before use• Store apart from similar vaccines (DTaP, Td) <p>**Stand-alone purpose build units are preferred</p>

SPECIAL SITUATIONS

Catch-up Recommendations for Children aged 7-10 Years

- For children with an incomplete DTaP*/Td series or who have an unknown history of DTaP/Td vaccination:
 - Give one dose of Tdap (preferably for the 1st dose, if more than one dose is needed)
 - Use Td vaccine for any additional doses (possibly 1-2) necessary to complete a primary series; use appropriate minimum intervals
- *A complete DTaP series is 5 doses or 4 doses with 1 dose at/after age 4 years that meet minimum age/interval requirements

Catch-up Recommendations for Adolescents and Adults aged 13 years and older, including Health Care Personnel

- Should be given a Tdap regardless of the interval since the last tetanus or diphtheria-containing vaccine
- 3 doses (primary series) of tetanus & diphtheria-containing vaccine are needed before a booster dose is effective
- Tdap should be substituted for a single dose of Td in the catch-up series; use Td for the other doses; use appropriate minimum intervals

Recommendations for Persons with Close Contact to an Infant Less than Age 12 Months

- Give Tdap as soon as feasible—at least 2 weeks before contact with infant (if no previous documented dose)

Recommendations for Pregnant Women (all ages)

- Administer one dose of Tdap to pregnant women during every pregnancy; optimal timing is between 27 and 36 weeks
 - Tdap may be given in any trimester, if indicated (i.e., wound management)
 - If Tdap was not administered prior to or during pregnancy, give a Tdap dose immediately postpartum

Use of Tdap for Wound Care (for wounds that are not clean and/or not minor)

- Do not miss an opportunity to provide pertussis protection—remember there is no minimum interval between Tdap & last Td
- For children aged 7-9 years, Tdap may be given in place of a Td vaccine for wound care if use of a pertussis-containing vaccine is also indicated (see catch-up recommendations for this age group)
- Administer Tdap to persons aged 10 years and older who:
 - Have not received any tetanus-containing vaccine in the last 5 years and
 - Have not received a previous dose of Tdap vaccine
- Review “Tetanus Prophylaxis Guidelines”, posted at www.michigan.gov/immunize > Provider Information > Quick Looks & Other Resources

CONTRAINDICATIONS

- Allergic reaction to a previous dose of DTaP/DT/Td vaccine or a component of the vaccine
- Encephalopathy not due to another cause within 7 days after vaccination with a pertussis-containing vaccine

PRECAUTIONS

- Moderate or severe illness
- History of Guillain-Barré Syndrome (GBS) within 6 weeks of a tetanus-containing vaccine
- Progressive neurological disorder until stabilized
- History of a severe arthus-type reaction after a previous dose of a tetanus or diphtheria containing vaccine including meningococcal conjugate vaccine (MCV4)

FURTHER POINTS

- Tdap Vaccine Information Statement (VIS) including information about the Michigan Care Improvement Registry (MCIR) can be found at michigan.gov/immunize or your local health department.
- Document as “Tdap” in MCIR, on the vaccine administration record and the immunization record card

¹In situations where Tdap is indicated, either Adacel or Boostrix may be used for persons aged 7-10 years. Boostrix should be used for persons aged 65 years and older; however, Adacel is recommended for use if Boostrix is not readily available.

²While longer intervals between Td (or DTaP) and Tdap vaccination may decrease the severity of local reactions (pain, redness, swelling), the benefits of protection against pertussis need to be considered and likely outweigh the potential risk of this adverse event.