

Tetanus-Diphtheria-Acellular Pertussis (Tdap)

ADACEL®

Supplier: Sanofi Pasteur Limited

BOOSTRIX®

Supplier: GlaxoSmithKline Inc.

INDICATIONS:

- Reinforcing dose in grade 9. ^{A, B}
- Completion of primary series in unimmunized or incompletely immunized children (7 years of age and older), adolescents and adults, including those with unknown immunization history. ^C
- Booster dose for individuals 4 years of age and older who are up-to-date for polio immunization. ^D
- Wound management (see [Tetanus Prophylaxis in Wound Management](#)). ^{E, F}

RECOMMENDED BY THE NATIONAL ADVISORY COMMITTEE ON IMMUNIZATION BUT NOT PROVIDED FREE IN BC:

Recommended based on Good Evidence:

- Tdap vaccine should be offered in every pregnancy irrespective of previous Tdap immunization history. Immunization with Tdap vaccine should be ideally provided between 27-32 weeks of gestation.
- All adults should receive one dose of Tdap vaccine if they have not previously received a pertussis containing vaccine in adulthood.

DOSES AND SCHEDULE: ^A

Grade 9: 1 dose given as 0.5 mL **IM** ^F

Children and Adolescents 7-17 years of age (inclusive): ^{C, F}

- Booster dose for those who missed receiving DTaP-IPV at school entry:
 - 1 dose given as 0.5 mL **IM**
- Incompletely immunized children and adolescents:
 - If the first dose of DTaP-containing vaccine was administered after the 1st birthday, administer additional dose(s) in order to complete a **3-dose** primary series. Given as:
 - Dose 1: 0.5 mL **IM**
 - Dose 2: 0.5 mL **IM** 4-8 weeks after 1st dose
 - Dose 3: 0.5 mL **IM** 6-12 months after 2nd dose

^A There is no minimum interval between a dose of Td and Tdap when Tdap is being given for pertussis protection.

^B Individuals born in 1989 or later who missed their adolescent dose of Tdap are eligible for one dose of Tdap.

^C Tdap-IPV is the preferred product if polio vaccine is also required, but separate Tdap and IPV may be used.

^D Tdap is not indicated for primary immunization of children less than 7 years of age.

^E For children 10 years of age and older who have not yet received their adolescent dose of Tdap.

^F Children who complete their primary series, or receive a booster dose of Tdap after their 10th birthday, do not require an additional dose of Tdap in grade 9.

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DOSES AND SCHEDULE (continued):

- If the first dose of DTaP-containing vaccine was administered before the 1st birthday, administer additional dose(s) in order to complete a **4-dose** primary series. Given as:
 - Dose 1: 0.5 mL **IM**
 - Dose 2: 0.5 mL **IM** 4-8 weeks after 1st dose
 - Dose 3: 0.5 mL **IM** 4-8 weeks after 2nd dose
 - Dose 4: 0.5 mL **IM** 6-12 months after 3rd dose
- Unimmunized children and adolescents:
 - 3 doses given as:
 - Dose 1: 0.5 mL **IM**
 - Dose 2: 0.5 mL **IM** 4-8 weeks after 1st dose
 - Dose 3: 0.5 mL **IM** 6-12 months after 2nd dose

Adults 18 years of age and older:

- Unimmunized or incompletely immunized adults completing a 3-dose series:
 - First dose given as Tdap, followed by 2 doses of Td, given as:
 - Dose 1: 0.5 mL **IM**
 - Dose 2: 0.5 mL **IM** 4-8 weeks after 1st dose
 - Dose 3: 0.5 mL **IM** 6-12 months after 2nd dose

ADMINISTRATION:

No additional requirements.

BOOSTER DOSES:

No booster doses are recommended at this time.

SEROLOGICAL TESTING:

Serological testing is not recommended before or after immunization.

CONTRAINDICATIONS:

1. History of an anaphylactic reaction to a previous dose of tetanus, diphtheria, or pertussis-containing vaccine or to any component of the product.
2. History of Guillain-Barré Syndrome (GBS) within 8 weeks of receipt of a tetanus-containing vaccine without any other cause being identified.

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PRODUCT COMPONENTS:

ADACEL®:

Potential allergens: none.

Other components: aluminum phosphate, 2-phenoxyethanol, formaldehyde, glutaraldehyde.

BOOSTRIX®:

Potential allergens: none.

Other components: aluminum hydroxide, aluminum phosphate.

PRECAUTIONS:

Not applicable.

SPECIAL CONSIDERATIONS:

Not applicable.

ADVERSE EVENTS:

Local: pain, redness, swelling.

Systemic: fatigue, headache, fever, chills, nausea and diarrhea, muscle or joint aches.