Tetanus-Diphtheria-Acellular Pertussis (Tdap)

ADACEL®     Supplier: Sanofi Pasteur Limited
BOOSTRIX®    Supplier: GlaxoSmithKline Inc.

INDICATIONS:
• Reinforcing dose in grade 9.  
• 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. 
• Booster dose for individuals 4 years of age and older who are up-to-date for polio immunization. 
• Wound management (see Tetanus Prophylaxis in Wound Management).

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:
Grade 9: 1 dose given as 0.5 mL IM

Children and Adolescents 7-17 years of age (inclusive):
• Booster dose for those who missed receiving DTaP-IPV at school entry:
  o 1 dose given as 0.5 mL IM

• Incompletely immunized children and adolescents:
  o 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

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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.