



Should I give Tdap-IPV or DTaP-IPV-Hib to my school aged patient?

Antigen Levels

- Antigen levels vary significantly for diphtheria and pertussis depending on which vaccine is given.
- The amount of antigen in the vaccine affects the immune response.
- Younger children require vaccines containing higher antigen levels to ensure adequate protection.

Antigen Active Ingredient	DTaP-IPV-Hib Pediacel	Tdap-IPV Adacel-polio
Diphtheria Toxoid	15 Lf * (limit of flocculation)	2 Lf
Acellular Pertussis Toxoid	20 ug	2.5 ug

Who gets what?

- For children starting and completing primary series **before age 7**:
 - Ensure the child has a minimum of 3 valid **DTaP-IPV-Hib** – this is the **primary series**
 - Give **Tdap-IPV** as a booster dose **AFTER** primary series is completed, **AND** if the client is **at least 4 years of age**
- For children starting immunization **prior to age 7 but completing after age 7**:
 - Give **DTaP-IPV-Hib** dose(s) as per recommended intervals, but once child reaches 7 years of age **switch over** to **Tdap-IPV** to complete their **catch-up series**
- For children starting immunization **on or after age 7**:
 - Use **Tdap-IPV** as catch-up

Please refer to the [Publicly Funded Immunization Schedules for Ontario](#)

In summary, children under age 7 need 3 **larger** antigen doses of diphtheria and pertussis. Please review their record before reaching for Tdap-IPV.

Durham Region Health Department: 905-668-7711, 1-800-841-2729

February 1, 2019

If you prefer to receive this information in an electronic format please submit your request to healthresources@durham.ca

If you require this information in an accessible format, contact 1-800-841-2729.