Pertussis Vaccines

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Chair, Pertussis Vaccines Work Group

Advisory Committee on Immunization Practices
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Current ACIP Recommendations for Tdap and Td in adolescents and adults in the United States

- **Single dose of Tdap**: Persons aged ≥11 years
  - Preferably at aged 11-12 years

- **Booster dose of Td every 10 years**
  - Single Tdap can replace decennial Td booster dose
  - Dose administered regardless of interval since last Td vaccine
  - 5 years if needed for tetanus prophylaxis for wound management

- **Catch-up immunization**
  - 3-dose series: Single dose for Tdap (preferably the first dose), 2 doses of Td

- **Tdap during every pregnancy (no proposed change)**
  - No interval between repeat Tdap doses
  - Off label recommendation

Work Group terms of reference

Consider the evidence for a potential policy change to allow either Td or Tdap vaccine to be used in situations where only Td vaccine is currently recommended for:

1) Decennial Td booster in adults
2) Tetanus prophylaxis as needed for wound management
3) Catch-up immunization schedule
<table>
<thead>
<tr>
<th>Policy question</th>
<th>Work Group Interpretation</th>
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<tr>
<td>Either Td or Tdap can be used for the decennial Td booster</td>
<td>We are in favor of the intervention</td>
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<tr>
<td>Either Td or Tdap can be used for tetanus prophylaxis in the setting of wound prophylaxis</td>
<td>We are in favor of the intervention</td>
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<tr>
<td>Either Td or Tdap can be used for additional doses of the catch-up immunization schedule for persons ≥7 years</td>
<td>We are in favor of the intervention</td>
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</table>
Pertussis vaccines session

• Safety of closely spaced Tdap vaccines in the catch-up immunization schedule
  – Dr. Pedro Moro, Immunization Safety Office

• Tdap and Td: Summary of work group considerations and policy options
  – Dr. Fiona Havers, Pertussis Vaccines Work Group Lead
Next steps

- Evaluate the spacing of booster doses for continued protection against tetanus and diphtheria
  - Duration of protection
  - Some countries don’t give Td boosters
  - Other countries give Td booster doses less frequently than every 10 years
- Work Group will evaluate evidence regarding whether the current 10-year interval between Td booster doses should be changed
ACIP Pertussis Vaccines Work Group

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Thank you

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.