

Timeline of Advisory Committee on Immunization Practices (ACIP) recommendations for diphtheria and tetanus toxoids and acellular pertussis vaccines (DTaP) and tetanus toxoid, reduced diphtheria toxoid and acellular pertussis vaccine (Tdap), 1991 – 2015

- 1991:** The first DTaP product (Acel-Imune) was licensed by the Food and Drug Administration (FDA) and recommended by ACIP for use in place of diphtheria and tetanus toxoids and whole-cell pertussis (DTP) for the fourth and fifth doses of the recommended DTP series among children ≥ 15 months of age. (1)
- 1992:** FDA licensed a second DTaP vaccine product (Tripedia) for use as the fourth and/or fifth dose of the recommended DTP series. (2)
- 1996:** FDA licensed several DTaP vaccine products for the recommended diphtheria, tetanus and pertussis vaccination series among children aged 6 weeks–6 years: Acel-Imune for all five doses; Tripedia for the first four doses; TriHIBit for the fourth dose. (3)
- 1997:** FDA licensed one DTaP vaccine product (Infanrix) for the initial four doses of the recommended diphtheria, tetanus, and pertussis vaccination series among children aged 6 weeks–6 years. (3)
- 1997:** ACIP recommended DTaP vaccines for all five doses in the childhood vaccination schedule. (3)
- 2002:** FDA approved the expanded use of one DTaP vaccine product (Daptacel) for the first 4 doses among infants and children aged 6 weeks–6 years. The FDA licensed a combined DTaP, hepatitis B (HepB) (recombinant) and inactivated poliovirus vaccine (IPV), DTaP-HepB-IPV (Pediarix) for use in infants for the first three doses at ages 2, 4, and 6 months. (4,5)
- 2003:** FDA approved the expanded use of one DTaP vaccine product (Infanrix) as a fifth dose for children aged 4–6 years. (6)
- 2005:** FDA licensed two Tdap vaccine products for a single dose: Adacel (aged 11 through 64 years) and Boostrix (aged 10–18 years). ACIP recommend a single dose of Tdap to replace a dose of tetanus and diphtheria toxoids vaccine (Td) for adolescents (aged 11–18 years) and adults (aged 19–64 years). (7,8)
- 2008:** FDA licensed two DTaP vaccine products: a combined DTaP, inactivated poliovirus vaccine (IPV), and *Haemophilus influenzae* type b conjugate (Hib) vaccine product (DTaP-IPV/Hib) (Pentacel) for the initial four doses; combined diphtheria and tetanus toxoids and acellular pertussis adsorbed (DTaP) and inactivated poliovirus (IPV) vaccine, DTaP-IPV (Kinrix) for the fifth dose of the DTaP vaccine series. FDA approved expanded use of Boostrix (Tdap) for use in persons aged 10–64 years. (9-11)
- 2010:** ACIP recommended 1) Tdap should be administered regardless of interval since the last tetanus- or diphtheria-toxoid containing vaccine, 2) adults aged ≥ 65 years who have or anticipate having close contact with an infant aged < 12 months should receive a single dose of Tdap, and other adults aged ≥ 65 years may be given a single dose of Tdap, and 3) children aged 7–10 years not fully vaccinated against pertussis and for whom no contraindication to pertussis vaccine exists should receive a single dose of Tdap. (12)
- 2011:** ACIP recommended 1) health care personnel, regardless of age, should receive a single dose of Tdap as soon as feasible if they have not previously received Tdap, and 2) pregnant women who have not previously received Tdap should receive a dose of Tdap during pregnancy, preferably during the third or late second trimester; if not administered during pregnancy, Tdap should be administered immediately postpartum. FDA approved expanded use of Boostrix (Tdap) for use in persons aged ≥ 10 years. (13-15)

2012: ACIP recommended 1) all adults aged ≥ 19 years who have not yet received a dose of Tdap should receive a single dose, and 2) pregnant women should receive a dose of Tdap during each pregnancy, irrespective of the patient's prior history of receiving Tdap. (16,17)

2014: FDA approved to lower the age indication for Adacel (Tdap) administration from 11 to 10 years. (18)

2015: FDA licensed a combined diphtheria and tetanus toxoids and acellular pertussis adsorbed (DTaP) and inactivated poliovirus (IPV) vaccine, DTaP-IPV (Quadracel) for the fifth dose of the DTaP vaccine series. (19)

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