Tetanus, Diphtheria, and Pertussis (Tdap) during Pregnancy

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Over the past 25 years there has been a continuing increase in pertussis disease in the United States. Beginning in 2006, the Advisory Committee on Immunization Practices (ACIP) of the Centers for Disease Control and Prevention (CDC) recommended an approach to combat neonatal pertussis infection (1). Most of the morbidity and mortality is attributable to pertussis infection occurring in infants less than or equal to 3 months of age (2).

The CDC recommendations have been modified several times since the initial recommendation in 2006. The current recommendations as published by the ACIP in February 2013 are as follows:

Health care personnel administer a dose of Tdap during each pregnancy, irrespective of the patient's prior history of receiving Tdap (3). To maximize the maternal antibody response and passive antibody transfer and levels in the newborn, optimal timing for Tdap administration is between 27 weeks and 36 weeks of gestation, although Tdap may be given at any time during pregnancy (3). If Tdap was not administered during pregnancy, it should be administered immediately postpartum to the mother to reduce the risk of transmission to the newborn (3). Other family members and planned direct caregivers also should receive a Tdap at least 2 weeks before planned infant contact (4). A pregnant woman should not be re-vaccinated later in the same pregnancy if she already received the vaccine in the first or second trimester (3). If a Td booster vaccination is indicated in a pregnant woman for acute wound management, health care providers should administer Tdap irrespective of gestational age (3).

Codes:

<table>
<thead>
<tr>
<th>Vaccine CPT</th>
<th>Typical Diagnosis Code</th>
<th>Patient is 0-18 Years AND Qualified HCP Counseling Occurs</th>
<th>Patient is 19+ Years Regardless of Qualified Counseling, or Patient of Any Age Without Qualified Counseling</th>
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<tbody>
<tr>
<td>90715</td>
<td>Z23</td>
<td>90460 - 1 Unit AND 90461 – 2 Units</td>
<td>90471 - 1 Unit OR 90472 - 1 Unit</td>
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Resources:

1. **Centers for Disease Control and Prevention Vaccines and Immunizations Information Page**, at [http://www.cdc.gov/vaccines](http://www.cdc.gov/vaccines)
2. **American College of Obstetricians and Gynecologists immunization web site**, at [http://www.immunizationforwomen.org](http://www.immunizationforwomen.org)

References: