Tetanus Prevention

The risk of tetanus among disaster survivors and emergency responders can best be minimized by following standard immunization recommendations and providing proper wound care.

**Key points to remember:**

Patients without a clear history of at least three tetanus vaccinations who have any wound other than clean and minor **NEED tetanus immune globulin (TIG) not just Td.**

Tetanus in the United States is most commonly reported in **older persons** who are less likely to be adequately vaccinated than younger persons. In 2004, 71% of the 34 cases reported were among persons >40 years of age and 47% were among persons >60 years of age.

Older **women** are especially susceptible; a majority of those > 55 years of age do not have protective levels of tetanus antibody.

**Diabetics** are at increased risk. Reported tetanus is about 3 times more common in diabetics and fatalities are about 4 times more common.

**Non-acute wounds** (e.g., chronic ulcers, gangrene, abscesses/cellulitis) account for about 1 in 6 cases of reported tetanus; 1 in 12 reported cases had **no reported injury or lesion.**

**Wound management:**

<table>
<thead>
<tr>
<th>Vaccination history</th>
<th>Clean, minor wounds</th>
<th>All other wounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unknown or &lt; 3 doses</td>
<td>Td or Tdap (Tdap preferred for ages 11-18)</td>
<td>Td or Tdap (Tdap preferred for ages 11-18) <strong>PLUS tetanus immune globulin (TIG)</strong></td>
</tr>
<tr>
<td>3 or more doses and ≤5 years since last dose</td>
<td>Td or Tdap (Tdap preferred for ages 11-18)</td>
<td>Td or Tdap (Tdap preferred for ages 11-18)</td>
</tr>
<tr>
<td>3 or more doses and 6-10 years since last dose</td>
<td>Td or Tdap (Tdap preferred for ages 11-18)</td>
<td>Td or Tdap (Tdap preferred for ages 11-18)</td>
</tr>
<tr>
<td>3 or more doses and &gt;10 years since last dose</td>
<td>Td or Tdap (Tdap preferred for ages 11-18)</td>
<td>Td or Tdap (Tdap preferred for ages 11-18)</td>
</tr>
</tbody>
</table>

See [http://www.cdc.gov/mmwr/preview/mmwrhtml/00041645.htm](http://www.cdc.gov/mmwr/preview/mmwrhtml/00041645.htm)

**Routine vaccination:**

**Primary series** of diphtheria, tetanus, acellular pertussis (DTaP) in infancy and childhood. (Recommended schedule is 2,4,6, months, 15-18 months, 4-6 years. See [http://www.cdc.gov/nip/recs/child-schedule.htm](http://www.cdc.gov/nip/recs/child-schedule.htm))
**Tetanus Prevention** (continued from previous page)

**Booster shots** of tetanus, diphtheria (Td) or tetanus, diphtheria, acellular pertussis (Tdap) at age 11-12 and then every 10 years. (Tdap is preferred for adolescents 11-18 years of age [http://www.cdc.gov/nip/pr/pr_tdap_jun2005.htm](http://www.cdc.gov/nip/pr/pr_tdap_jun2005.htm).)

Persons who did not receive DTP or DTaP as a child, or whose tetanus vaccination history is not known should receive a primary series of three doses of adult Td. The first two doses should be separated by 4 weeks and the third dose should follow the second by at least 6 months. For persons 11-64 years of age Tdap may be substituted for ONE of these doses, preferably the first dose. Tdap should be substituted for ONE of these doses for persons 11-18 years of age.

For more information, visit [www.bt.cdc.gov/disasters](http://www.bt.cdc.gov/disasters), or call CDC at 800-CDC-INFO (English and Spanish) or 888-232-6348 (TTY).