

## Typhoid Vaccine

<b>Vaccine Description</b>	<ul style="list-style-type: none"> <li>• Brands and types:               <ul style="list-style-type: none"> <li>• Vivotif<sup>®</sup>: Oral live-attenuated - Ty21a (≥6 years of age and older); Contains lactose</li> <li>• Typhim Vi<sup>®</sup>: capsular polysaccharide - ViCPS (≥2 years of age and older); Contains phenol</li> </ul> </li> <li>• See package insert; neither product contains latex</li> </ul>	
<b>Dose &amp; Route</b>	<ul style="list-style-type: none"> <li>• Ty21a dose: 4 capsules Route: Oral</li> <li>• ViCPS dose: 0.5 mL Route: IM - (Precaution: hemophilia, thrombocytopenia, and anticoagulation therapy)</li> <li>• See package inserts</li> </ul>	
<b>Indications</b>	<ul style="list-style-type: none"> <li>• Ty21a: is approved for persons ≥6 years of age</li> <li>• ViCPS: is approved for persons ≥2 years of age</li> <li>• Travelers to areas where a recognized risk of exposure to typhoid exists, particularly ones who will have prolonged exposure to potential contaminated food and water</li> <li>• Persons with intimate exposure (i.e. continued household contact) to a documented typhoid carrier</li> <li>• Microbiology laboratorians who work frequently with <i>S. typhi</i></li> <li>• DoD Policy. Vaccination is required for personnel who will deploy to typhoid-endemic areas and other areas with poor water sanitation. Typhoid immunization is generally required for members of units designated to be ready to deploy outside of the U.S. within 10 days of notification.</li> </ul>	
<b>Administrative Schedule</b>	<b>Dose</b>	<b>Recommended Interval</b>
	Oral Ty21a: 1 capsule x 4 doses	1 capsule every 48 hours taken 1 hour before meal. Take only with cool or luke- warm fluids
<b>Booster</b> If repeated or continued exposure to the typhi organism	Oral Ty21a	Every 5 years
	ViCPS	Every 2 years

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<b>Contraindications</b>	<ul style="list-style-type: none"><li>• Serious allergic reaction to prior dose or vaccine component</li><li>• Moderate or severe acute illness</li><li>• Do not administer Ty21a to people with moderate or severe gastrointestinal illness</li><li>• Do not administer Ty21a to people who are immunocompromised</li><li>• Do not administer Ty21a to people who have taken antibiotics or sulfonamides during prior 3 days.</li><li>• Pregnancy: Do not administer Ty21a; refer to provider to determine if VICPS should be given</li></ul>
<b>Special Considerations</b>	<ul style="list-style-type: none"><li>• Avoid oral antibiotics use with Ty21a (may compromise immune response to vaccine bacteria)</li><li>• Give Ty21a only if 10 days or more have elapsed since the final dose of Proguanil for malaria prophylaxis was ingested. See package insert under "Drug-Interactions".</li><li>• Caution travelers that typhoid vaccination is not a substitute for careful selection of food and drink</li><li>• Do NOT restart oral typhoid 4-dose series unless an interval extends greater than 3 weeks (consult a provider)</li><li>• See Storage and Handling Section</li></ul>
VIS: <a href="http://www.cdc.gov/vaccines/hcp/vis/vis-statements/typhoid.html">http://www.cdc.gov/vaccines/hcp/vis/vis-statements/typhoid.html</a> Additional education may be found at <a href="http://www.health.mil/typhoid">www.health.mil/typhoid</a>	