

Typhoid and Typhoid Vaccines Introduction

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Typhoid Vaccines Current ACIP Recommendations

CDC
CENTERS FOR DISEASE CONTROL
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*Recommendations
and
Reports*

MORBIDITY AND MORTALITY WEEKLY REPORT

Typhoid Immunization

**Recommendations of the Advisory
Committee on Immunization Practices (ACIP)**

Typhoid Vaccines Objective

- **Update ACIP statement on typhoid immunization**

Note: An ACIP work group on typhoid vaccines was not convened. The updated statement includes no substantive changes to recommendations

Typhoid Vaccines Included in 1994 ACIP Statement

Vaccine	Vaccine type	Mode of administration
Ty21a vaccine	Live, attenuated	Oral
Vi capsular polysaccharide vaccine (ViCPS)	Subunit	Parenteral
Heat-phenol-inactivated vaccine	Inactivated whole-cell	Parenteral

Typhoid Vaccines Available in U.S. in 2014

Vaccine	Vaccine type	Mode of administration	Current status
Ty21a vaccine, Vivotif®	Live, attenuated	Oral	Currently marketed in U.S.
Vi capsular polysaccharide vaccine (ViCPS), Typhim Vi®	Subunit	Parenteral	Currently marketed in U.S.
Heat-phenol-inactivated vaccine	Inactivated whole-cell	Parenteral	Discontinued in 2000

Typhoid Vaccines

Current ACIP Recommendations (1994)

- ❑ “Either oral Ty21a or parenteral ViCPS is preferable” to parenteral inactivated vaccine

- ❑ Indicated for
 - Travelers to endemic areas (www.cdc.gov/travel)
 - Household contacts of carriers
 - Laboratory workers who work frequently with *Salmonella* serotype Typhi cultures or specimens

Today's Typhoid Vaccines Session

- ❑ Background on typhoid fever and typhoid vaccines
- ❑ Summary of proposed updates to ACIP typhoid vaccines statement
- ❑ Discussion
- ❑ Vote

Summary

- ❑ **1994 ACIP typhoid vaccines statement outdated**
- ❑ **No substantive changes in recommendations proposed**
- ❑ **Updated statement reflects**
 - Change in vaccine availability (whole-cell vaccine discontinued)
 - Newer data on typhoid epidemiology
 - Newer data on vaccine efficacy and safety