CDC Health Alert Network (HAN) Health Advisory: Extensively Drug-Resistant Salmonella Typhi Infections Among U.S. Residents Without International Travel

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Extensively Drug-Resistant Salmonella Typhi Infections Among U.S. Residents Without International Travel

Summary

The Centers for Disease Control and Prevention (CDC) is providing—

- 1. Information on extensively drug-resistant (XDR) *Salmonella* Typhi (Typhi) infections an U.S. residents without international travel, and
- 2. Treatment recommendations for XDR Typhi infection.

Background

Typhoid fever is a systemic illness caused by the bacterium *Salmonella enterica* serotype Type (Typhi). Most people in the United States diagnosed with typhoid fever acquired it during international travel, but some acquired it in the United States. The disease is treated with antibiotics; without appropriate antibiotic treatment, 12–30% of people with typhoid fever w

Typhi is transmitted through contaminated food and water and person-to-person contact. C recommends <u>vaccination</u> for people traveling to places where typhoid fever is common. Bec typhoid fever vaccines are not 100% effective, travelers should always practice <u>safe eating a drinking habits</u> to help prevent infection.

In 2016, a large outbreak of extensively drug-resistant (XDR) Typhi infections began in Sindle province, Pakistan [1]. XDR Typhi strains are resistant to antibiotics generally recommended treat typhoid fever, including ampicillin, ceftriaxone, chloramphenicol, ciprofloxacin, and trimethoprim-sulfamethoxazole. Isolates from patients linked to the outbreak in Pakistan are susceptible to carbapenems and azithromycin. Infections among travelers to or from Pakista have been reported globally, including in the United States.

As of January 14, 2021, CDC has received 71 reports of XDR Typhi infection in the United Stawith specimens obtained from February 9, 2018, through November 16, 2020. Among 67 pawith known travel history, 58 (87%) had traveled to Pakistan in the 30 days before illness be (Figure).