

NB: Different From Non-Typhoidal Salmonella Which Is A:

- Short Incubation (8-72 Hrs)
- Foodborne
- Diarrheal Illness

Typhoid Fever



Overview

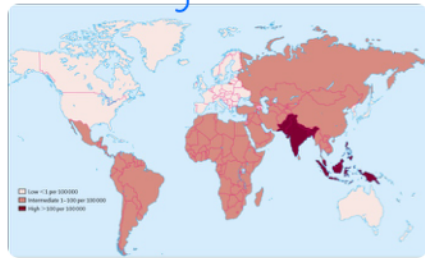
Micro:

- Salmonella Typhi >> Paratyphi A, B, C
- Gram-Negative Bacilli

Incubation: 5-21 Days

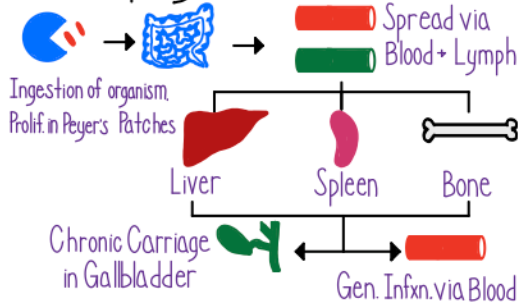
Epidemiology

- Endemic Regions



Connor + Schwartz, The Lancet (2005)

Pathophys



Clinical Features

Up To 25% w/ Infection Are Asymptomatic

Abdomen

- No GI Sx (Most Common)
- Constipation (30-50%)
- Hepatosplenomeg. (~50%)

Skin:

- Rose Spots (~30%)

Neuro:

- Headache (50-70%)

CV

- Pulse-Temp Dissoc.

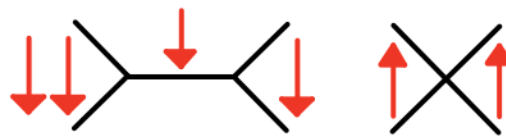
Abscess Forming

- Hepatic
- Splenic
- Osteomyelitis
- Empyema
- Aortitis

Complications: (Rare)

- Encephalopathy
- Meningitis
- GI Bleed
- Bowel Perf

Labs



Dx

- Compatible Syndrome
- Isolation From Culture or PCR
- Blood Culture (Week 1)
- Stool Culture (Week 3)
- Bone Marrow Culture (80-90%)

DDx

- See "Fever In a Returning Traveler"
- Malaria
 - Dengue > Chikungunya > Zika
 - Leptospirosis
 - Many More Depending on Geography + Exposures

Tx

- S. Asia: Ceftriaxone
- Other: Fluoroquinolone vs. CTX
- ↑ Rates FQ Res.
- CTX Becoming 1st Line
- Chronic Carrier: Cholecystectomy