Is There aTreatment for Typhoid?

Yes! Typhoid fever is typically treated with antibiotics, and with prompt treatment, most people recover quickly. However, delays can lead to severe complications and prolonged illness.

But, the misuse and overuse of antibiotics are making typhoid bacteria resistant to commonly used antibiotics, leading to longer, complicated and costlier recovery. This is called antimicrobial resistance (AMR).



Antimicrobial resistance (AMR) occurs when bacteria adapt and become resistant to antibiotics, making infections harder to treat. Unfortunately, Salmonella typhi, the typhoid causing bacteria, is now becoming resistant to many antibiotics. AMR strains can affect everyone, especially in countries like India, where antibiotic use is rising rapidly. If we don't act now, typhoid treatment could become even more challenging in the future.

Can Vaccination Help?

Yes! Vaccination is one of the most effective ways to prevent typhoid and slow down the spread of antibiotic-resistant strains. By getting vaccinated you antibiotics are needed, and the bacteria have fewer opportunities to develop resistance.





Consult your doctor to know more about typhoid vaccination.



Complications are not worth it

NEEDS ATTENTION



Visit www.typhoidneedsattention.com to know more.



4-5M

annual cases of typhoid are reported globally¹³ Typhoid symptoms usually develop 1 or 2 weeks

Without proper treatment, typhoid could be fatal in up to 30% of cases[3]

after a person becomes infected[2]

What is Typhoid?



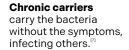
Typhoid is an infection caused by the enteric bacterium Salmonella typhi. After an incubation period of 7 to 14 days, infected individuals develop symptoms of varying severity, including persistent high fever, abdominal discomfort, malaise and headache.

Without preventive measures and prompt treatment, typhoid can have life-threatening risks.

Why is **Typhoid** a Growing Health Concern?



Vital organs can be affected if it spreads through the body.[6]

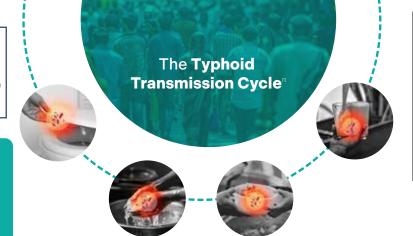


It spreads quickly and is highly contagious. making it a public health risk.[7]

- reserences:

 *https://immunizationdata.who.int/global/wiise-detail-page/typhoid-reported-cases-and-incidence?CODE=Global&YEAR=
 *https://www.nhs.uk/conditions/typhoid-fever/symptoms/
 *https://cup.org/parents/columns/typhoid-fever/symptoms/
 *https://www.who.int/news-room/fact-sheets/detail/typhoid
 *https://www.nbo.int/news-room/fact-sheets/detail/typhoid
 *https://www.nbo.int/news-room/fact-sheets/detail/typhoid

- Phttps://www.mayoclinic.org/diseases-conditions/typhoid-fever/symptoms-causes/syc-20378661 https://pmc.ncbi.nlm.nih.gov/articles/PMC10236512/



Some Symptoms of Typhoid



Progressively increasing high fever



Headache



Chills



or fatigue



Stomach



Excessive sweating



Loss of appetite



Cough



Diarrhoea or constipation



Nausea and vomiting



Muscle

Rashes or spots (typically on chest or stomach, more visible in fair skin)

Salmonella typhi can remain in the body even without these symptoms. [5]

How to Prevent Typhoid®



Wash hands regularly



Practising safe eating habits



vaccinated

ttps://www.mayoclinic.org/diseases-conditions/typhoid-fever/symptoms-causes/syc-20378661#symptoms
ttps://www.cdc.gov/typhoid-fever/prevention/index.html

WASH Protocol[®]

WASH (water, sanitation and hygiene) is the foundation of preventing typhoid.

Always wash your hands after using the toilet, while preparing or serving food, before eating, and after changing a diaper.[2] If soap and water are unavailable, use an alcohol-based hand sanitiser.

Practicing WASH, along with vaccination, provides the strongest defense against typhoid.

Safe water habits

- · Drink filtered, boiled, or bottled
- · Avoid ice creams, popsicles, or ice made from untreated water
- · Avoid drinking unpasteurised

Safe food habits

- · Wash fruits and vegetables properly
- · Cook your food thoroughly
- · Avoid street food unless freshly cooked and served hot
- · Avoid dairy products like cheese and paneer made from
- unpasteurised milk · Avoid undercooked eggs

In India, two types of typhoid vaccines are available:[3]

Feature	Typhoid Conjugate Vaccine (TCV)	Vi Polysaccharide (Vi-PS)
Efficacy	up to 87.1% ^[4]	55-61% ^(8,9)
Age	6 months and older ^[5]	2 years and older ^[6]
Administered	Injection ^[5,7]	Injection ^[6,7]
Dosage	Consult your doctor ^[10]	Consult your doctor ^[10]
Booster	As recommended by your doctor	As recommended by your doctor ^[10]
Protection	7 years ^[6]	2 to 3 years ^[6]

*Data for the above table has been taken from studies conducted on Typbar-TCV

While improved hygiene and sanitation can lower the risk of typhoid, vaccination dramatically reduces the likelihood of infection.

The WHO-SAGE Working Group on Typhoid Vaccines recommends Typhoid Conjugate Vaccine for adults, children and infants

Consult your doctor for early vaccination.

Thittps://www.cdc.gov/typhoid-fever/prevention/index.html
"Thittps://www.cdc.gov/typhoid-fever/prevention/index.html
"Thittps://www.dshs.texas.gov/sites/default/files/IDCU/investigation/electronic/EAIDG/2023/Typhoid-Fever-Salmonella-Typhi.pdf
"Purplie Book: IAP Guidebook on Immunization 2022 By Advisory Committee on Vaccines and

Immunization Practices (ACVIP)

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"https://www.helancet.com/journals/lancet/article/PilS0140-6736(17)32140-9/

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"https://www.helancet.com/journals/lancet/article/PilS0140-6736(24)01494-6/fulltext