Together We Can Take on Typhoid



Drug-resistant typhoid strains are a growing problem in Rwanda, regionally, and across the globe.



Typhoid intestinal perforations are a severe and life threatening complication of the disease. A study found that typhoid intestinal perforation was the third most common reason for peritonitis surgery in children at the University Teaching Hospital in Kigali.² These cases have a more complicated recovery, are more expensive to treat, and have a higher mortality rate.



Global data show that multidrug-resistant (MDR) typhoid prevalence has increased dramatically since 1992.³ A study from Kigali found a significant increase of MDR typhoid, from 9.1% to 25% between 2007 and 2008.⁴



As drug-resistant typhoid becomes more common, it will become more difficult to treat and **force the use of more expensive and less readily-available** treatment options. Most typhoid cases in Rwanda occur in children **younger than 15 years old.**

TYPHOID CASES IN RWANDA BY AGE (2021)



Typhoid conjugate vaccines (TCVs) in Rwanda

The World Health Organization (WHO) recommends the introduction of prequalified TCVs be prioritized in countries with a high burden of typhoid disease or a high burden of drug-resistant typhoid. Gavi, the Vaccine Alliance support for introduction is available now. TCVs:



Are highly effective and safe for children as young as **6 months** of age;

Require a **single dose** to prevent 79-85% of typhoid cases in children;⁵



Offer strong protection for **at least 4 years**; and



Can be **co-administered with measlesrubella** vaccine.⁶

Findings from an economic analysis predict that, even in the absence of a Gavi subsidy, **a catch-up campaign with TCV could be cost-effective in Rwanda**.⁷

Let's Take on Typhoid in Rwanda

Typhoid is endemic in Rwanda, with more than **12,900** cases per year.

- Rwanda's burden of typhoid is most heavily borne by children **younger than 15** years of age.
- Data show an increase in *drug-resistant typhoid* in Rwanda, regionally, and globally.
- **TCVs** are safe, effective, and WHO-recommended for routine immunization as part of a costeffective, integrated approach to typhoid prevention and control alongside safe water, sanitation, and hygiene interventions.

Gavi support for TCV introduction is available *now*.

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