Together We Can Take on Typhoid



Most typhoid cases in Sierra Leone occur in children **younger than 15 years old.** 

## **TYPHOID CASES IN SIERRA LEONE BY AGE (2019)**



## The risk of typhoid may be increasing in Sierra Leone.



Global data show that multidrug-resistant (MDR) typhoid prevalence has **increased dramatically since 1992**.<sup>2</sup>



While **drug-resistant typhoid** has not been isolated in Sierra Leone, it has been found in other West African countries, including Ghana.<sup>3</sup>



Diseases such as typhoid can easily cross borders, and as drug-resistant typhoid becomes more common, it has the potential to spread to Sierra Leone. **Drugresistant typhoid is more difficult to treat** and forces the use of more expensive and less readily-available treatment options.



More than a third of the population does not have access to basic drinking water services, and more than **80% lack access to basic sanitation services**.<sup>4</sup> This drastically increases typhoid risks.

## Typhoid conjugate vaccines (TCVs) in Sierra Leone

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. Support for introduction from Gavi, the Vaccine Alliance 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;<sup>6</sup>



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



Can be **co-administered** with measles-rubella and yellow fever vaccines.<sup>7,8</sup>

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 Sierra Leone**.<sup>7</sup>

## Let's Take on Typhoid in Sierra Leone

- Typhoid is endemic in Sierra Leone, with more than **10,000** cases per year.
- Sierra Leone's burden of typhoid is most heavily borne by children **younger than 15** years of age.
- Data show a global increase in *drug-resistant typhoid,* which could spread to Sierra Leone.
- **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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