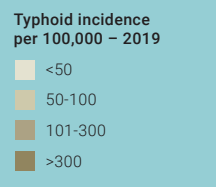


# Burden of Typhoid in Senegal

Senegal is a typhoid-endemic country. The Global Burden of Disease 2019 study estimated that Senegal experienced at least:

**15,603** typhoid cases (103 cases per 100,000)  
**281** typhoid deaths  
**21,590** disability-adjusted **life-years lost** to typhoid<sup>1</sup>

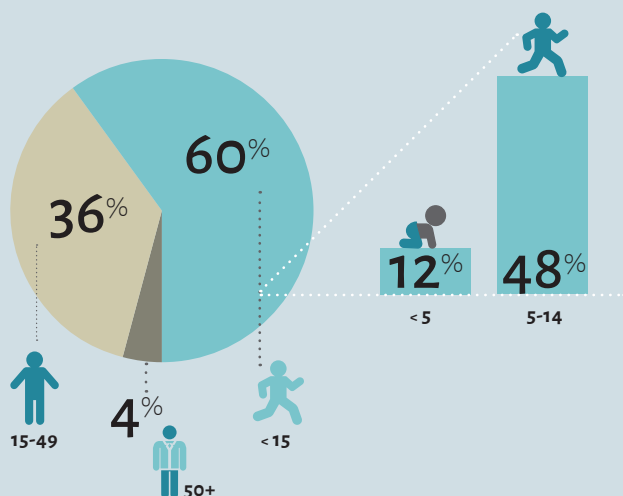
While typhoid is rarely fatal, the recovery is long and difficult. The disease steals time, money, and productivity from those infected and their families and is associated with numerous long-term complications.



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



**TYPHOID CASES IN SENEGAL BY AGE (2019)**



**Drug-resistant typhoid strains** are a growing problem regionally and across the globe.



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 Senegal,<sup>3</sup> it has been **found in other West African countries**, including Ghana.<sup>2</sup>



Diseases such as typhoid can easily cross borders, and as drug-resistant typhoid becomes more common, **it has the potential to spread to Senegal.**



Drug-resistant typhoid is more difficult to treat and **forces the use of more expensive and less readily-available** treatment options.

# Typhoid conjugate vaccines (TCVs) in Senegal

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.

Prequalified TCVs are highly effective and safe for children as young as 6 months of age. Recent data from Malawi show TCV is safe and 84% effective in preventing typhoid.<sup>3</sup> TCVs:



Require **one dose**;



Are **more effective and may be longer-lasting** than other typhoid vaccines; and



Can be **co-administered** with measles-rubella and yellow fever vaccines.<sup>4,5</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 Senegal.<sup>6</sup>

## Let's Take on Typhoid in Senegal

- ✓ Typhoid is endemic in Senegal, with more than **15,000** cases per year.
- ✓ Senegal'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 Senegal.
- ✓ **TCVs** are safe, effective, and WHO-recommended for routine immunization as part of a cost-effective, 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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