

Burden of Typhoid in

Burkina Faso

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

80,672 typhoid cases (356 cases per 100,000)

1,530 typhoid deaths

122,944 disability-adjusted **life-years lost** to typhoid¹

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.

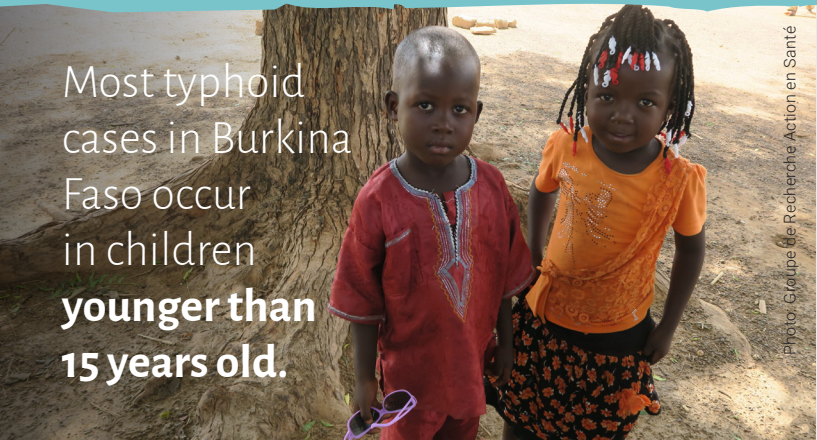
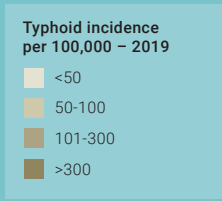
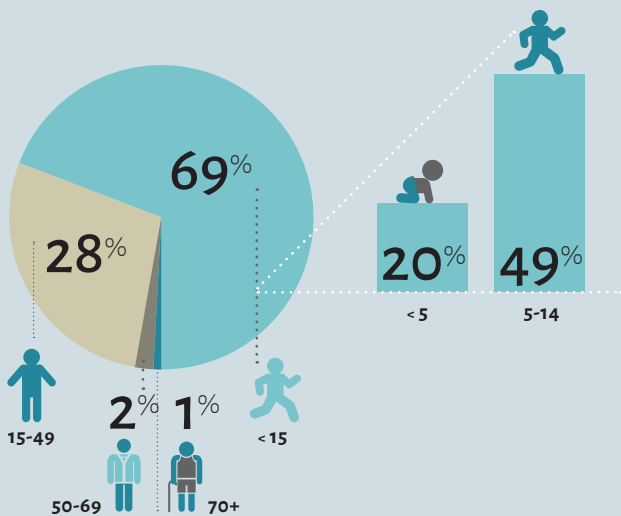


Photo: Groupe de Recherche Action en Santé

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

TYPHOID CASES IN BURKINA FASO 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**.²



While drug-resistant typhoid has not been isolated in Burkina Faso³, it has been found in other West African countries, including Ghana⁴. Additionally, Burkina Faso has documented MDR for other *Salmonella* infections that are treated with the same antibiotics as typhoid⁵, **raising the concern that drug-resistant typhoid could evolve.**



Diseases such as typhoid do not respect borders, and as drug-resistant typhoid becomes more common, **it will likely spread to Burkina Faso.**



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 Burkina Faso

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;⁶



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



Can be **co-administered** with measles-rubella, yellow fever, and meningococcal A vaccines.^{7,8}

Let's Take on Typhoid in Burkina Faso

- ✓ Typhoid is endemic in Burkina Faso, with more than **80,000** cases per year.
- ✓ Burkina Faso'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 Burkina Faso.
- ✓ **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.
- ✓ The Government of Burkina Faso has made the decision to **introduce TCV**.

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 Burkina Faso.⁹

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