

Power of Genomic Surveillance Zimbabwe Story

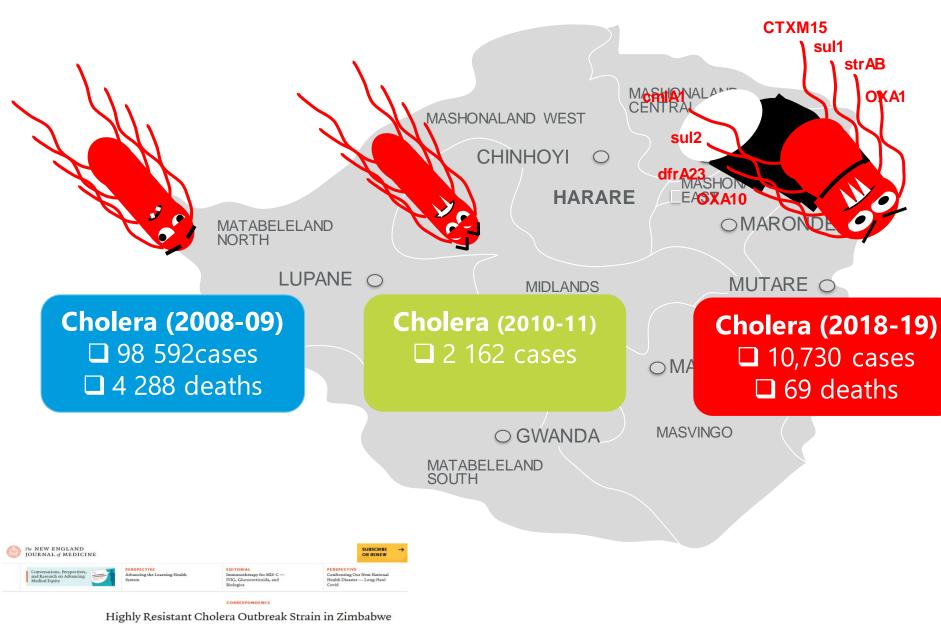


Tapfumanei Mashe

Introduction

- Cholera is traced as far back as the nineteenth century in the Ganges delta in India
- The current pandemic is the seventh which arrived in Africa in 1971
- The first reported cholera case in Zimbabwe occurred in 1972
- In January 2010 Zimbabwe witnessed a resurgence of typhoid fever in Mabvuku and Tafara suburbs of Harare

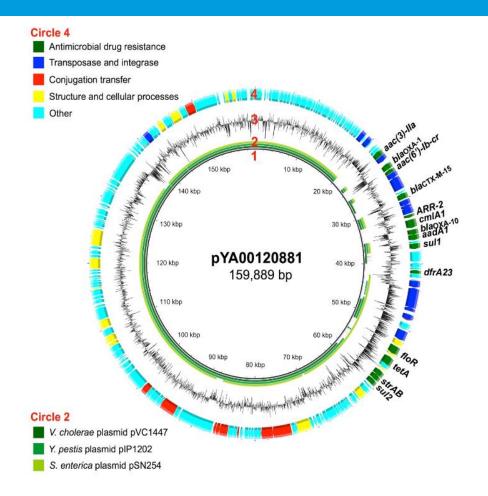
Cholera outbreaks (2008-2018)



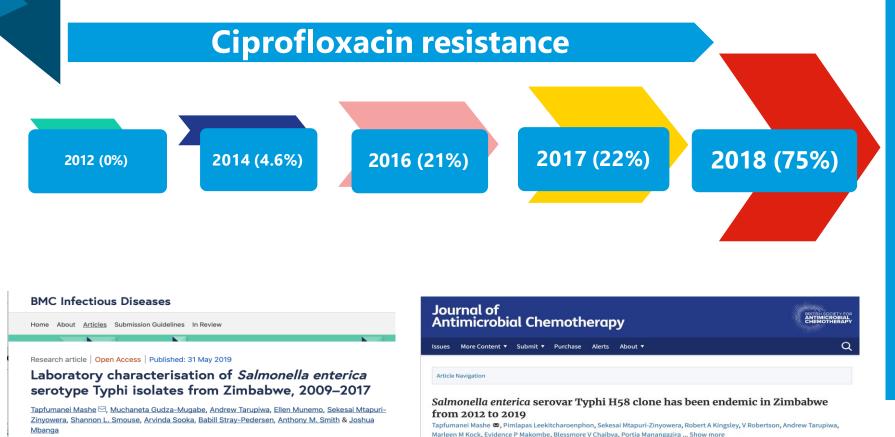
Mitigation measures

- oral rehydration therapy and antimicrobials
- WASH
- Waste management
- health education
- 1.5 million
 people
 vaccinated
 in 17 urban
 suburbs

Multidrug-resistant pYA00120881 IncA/C plasmid



Typhoid outbreaks in Zimbabwe



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Mitigation measures

- AntimicrobialsWASH
- Waste management
- Vaccination TCV
 - 318,698 doses
 - 6 months -15 years
 - 9 suburbs in Harare

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The End



~Thankyou

~Tatenda

~Siyabonga

~Merci