

# First Dengue Outbreak Recorded in Sao Tome and Principe in 2022

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*Work carried out within the scope of FETP without conflicts of interest*

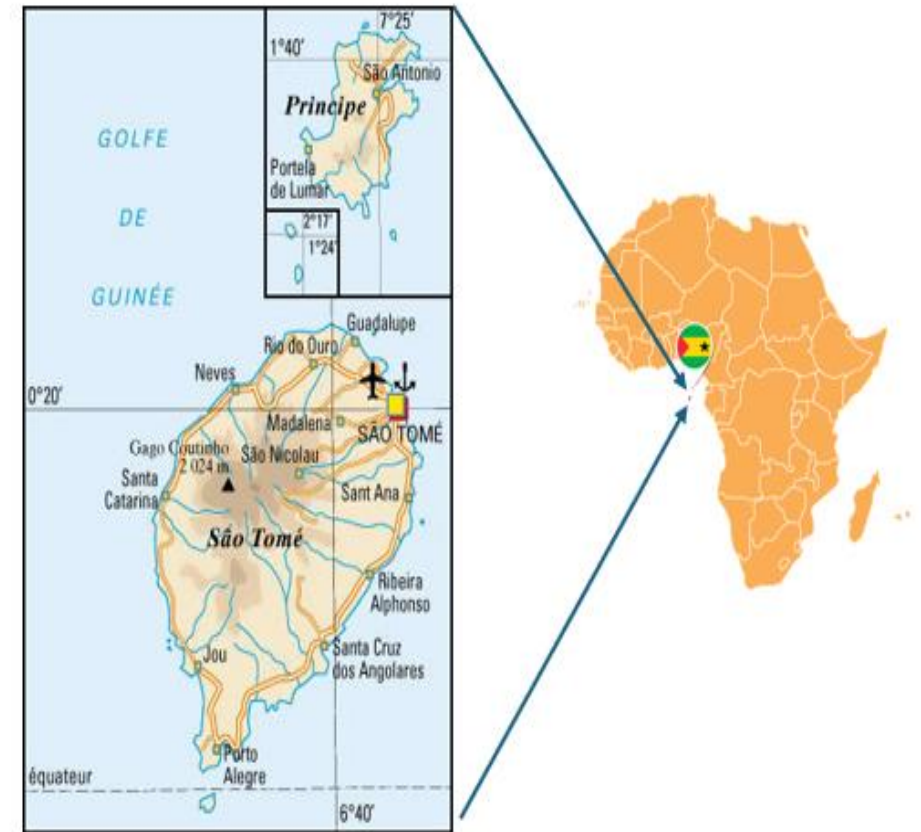
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# INTRODUCTION

- The burden of dengue in Africa is not well known due to challenges mainly related to laboratory diagnostic capacity, but evidence exists of dengue circulation in many African countries, including Sao Tome e Principe.<sup>1</sup>
- In Sao Tome e Principe, the first cases were reported in 2022.<sup>2</sup>
- The aim of this study was to describe the socio-demographic and clinical profile of dengue cases in Sao Tome and Principe in 2022.

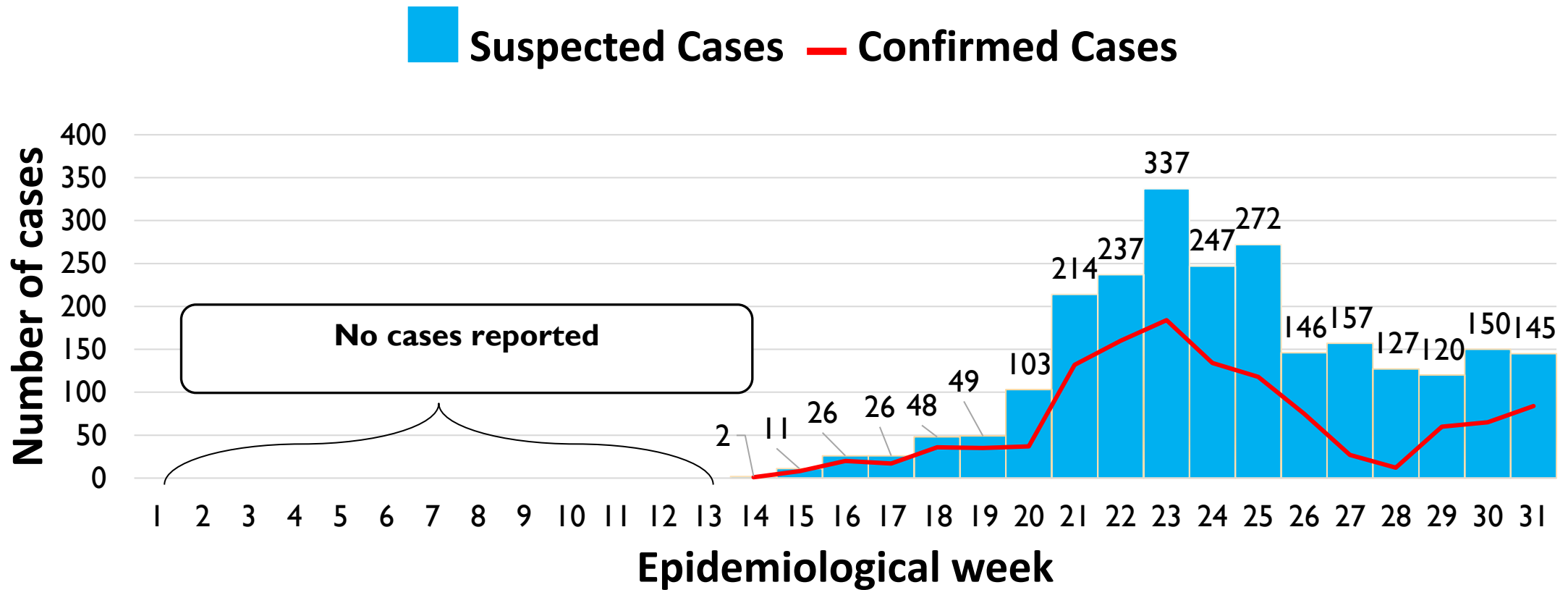


(1) WHO, 2024; (2) Ministry of Health of Sao Tome and Principe

# METHODS AND MATERIALS

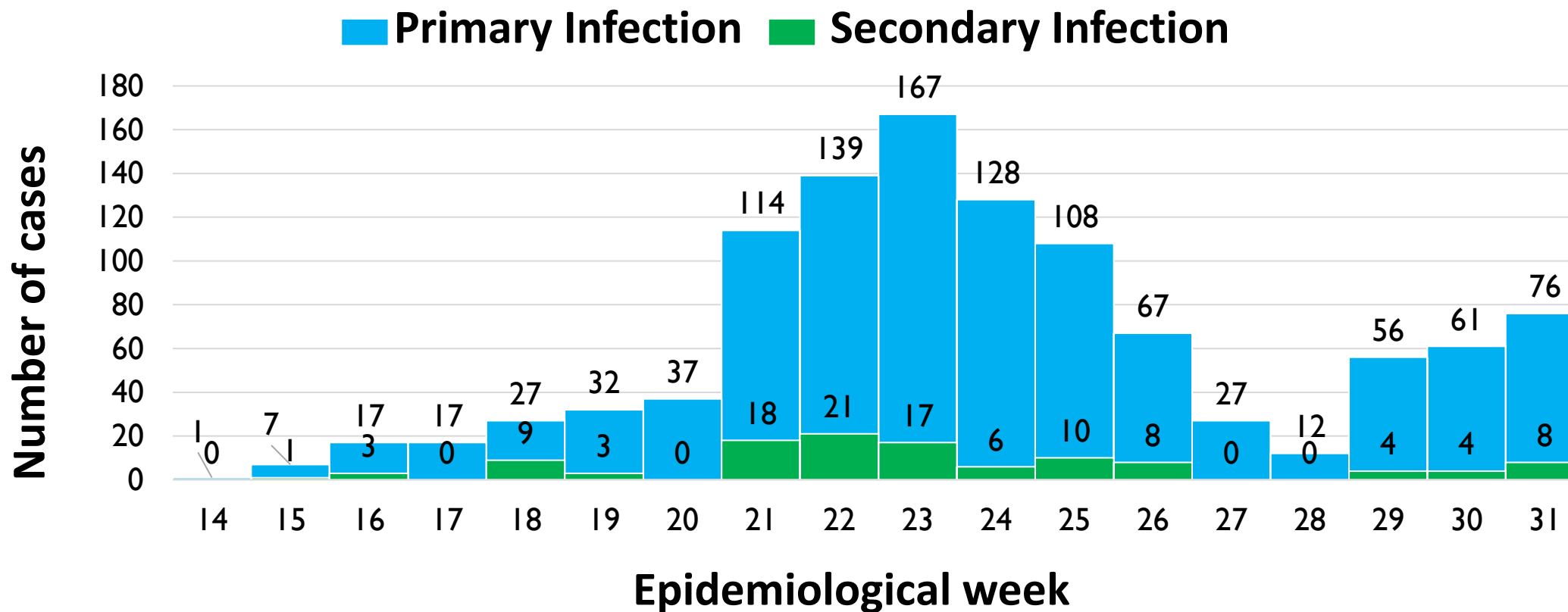
- A descriptive study was carried out using secondary data from Ayres Menezes Hospital Laboratory.
- Following variables we collected: sex, age group, district, signs & symptoms, primary and secondary infection and history of hospitalization.
- Data of patients hospitalized are presented by sex, age group and district of residence.

# RESULTS



Number of suspected and confirmed dengue cases per epidemiological week

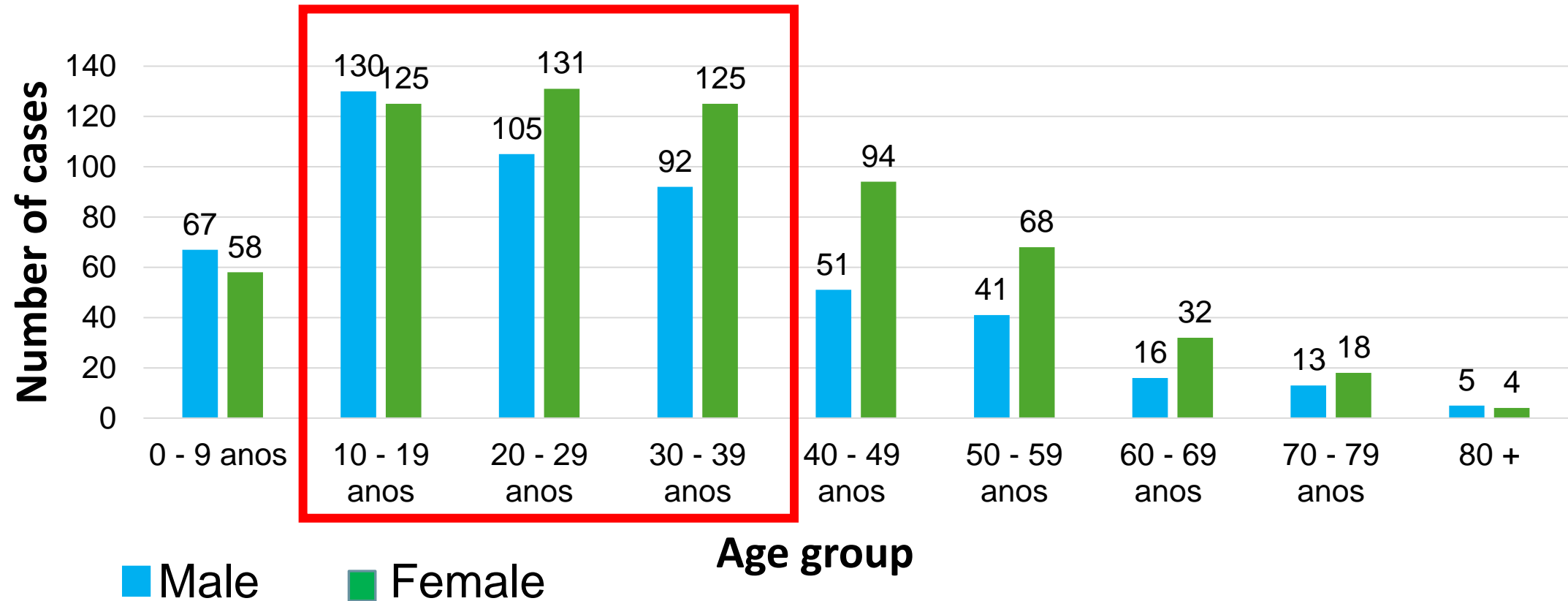
# RESULTS



Number of dengue cases with primary and secondary infection per epidemiological week

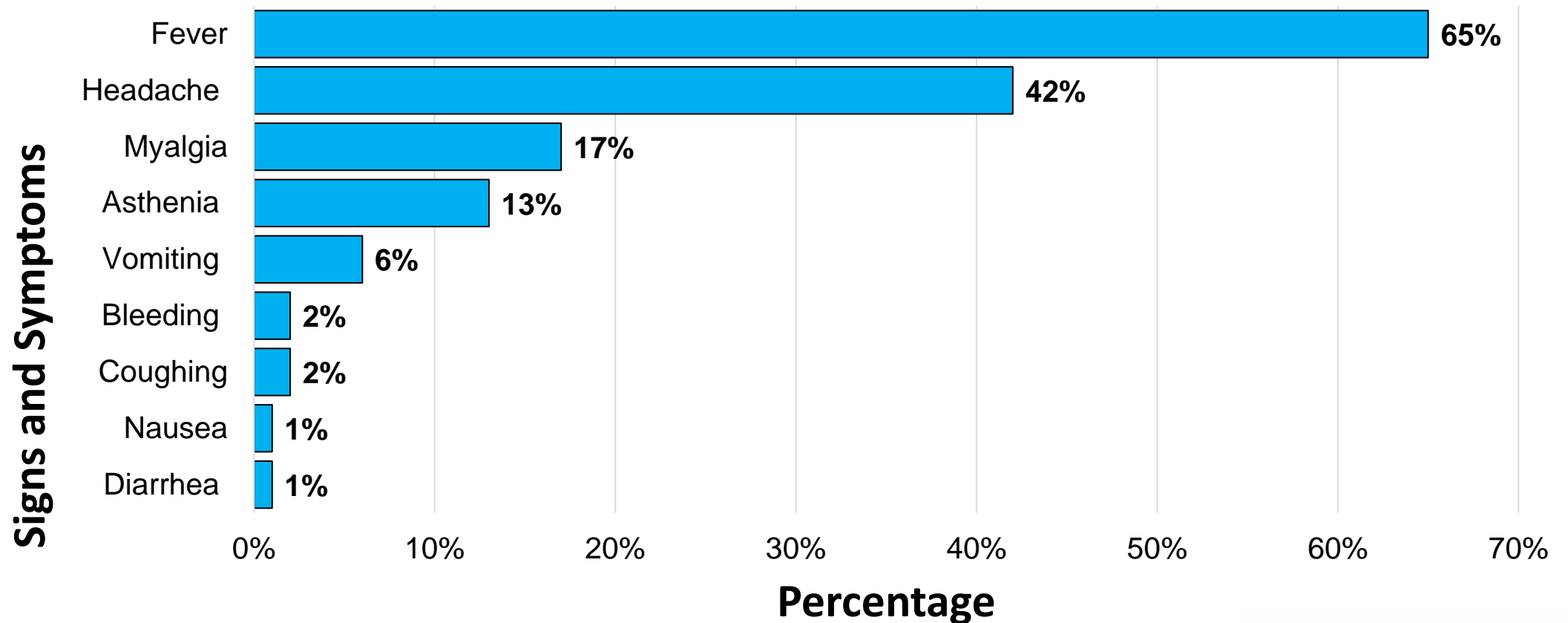


# RESULTS



Number of dengue cases by sex and age group

# RESULTS



Distribution of signs and symptoms of dengue cases

# Concluding

- Most cases occurred in young people and few cases required hospitalization.
- Reinfection cases were identified, which means that two different dengue serotypes are already circulating in Sao Tome and Principe.
- We recommend the strengthening of surveillance and response of dengue in STP, including improving laboratory diagnostic capacity.



# Acknowledgments

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