

# Determinants of the therapeutic issues of tuberculosis patients in Madagascar

RASOLOZAKANDRAINIBE Fanirisoa

# Background

- Madagascar has adhered to the “End-Tuberculosis 2030” strategy since 2015
- The existence of failure and abandonment despite the effectiveness of tuberculosis treatment constitute obstacles to achieving this objective.

## Research question

- What are the determinants of treatment outcomes?

## Objective

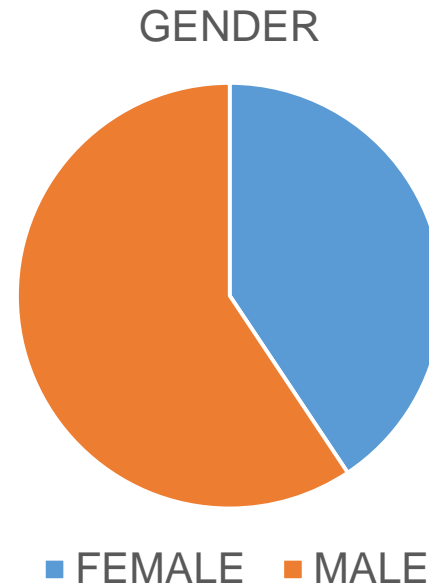
- To analyze the factors related to the therapeutic outcomes of tuberculosis.

# Methods

- This is a retrospective cohort study of tuberculosis patients diagnosed and treated in the Anti-Tuberculosis Divisions of MADAGASCAR from January 1st to March 31st 2021.
- Dependent variables are therapeutic success, abandonment, failure, and death.
- The factors studied were age, gender, hiv status, category and clinical form.

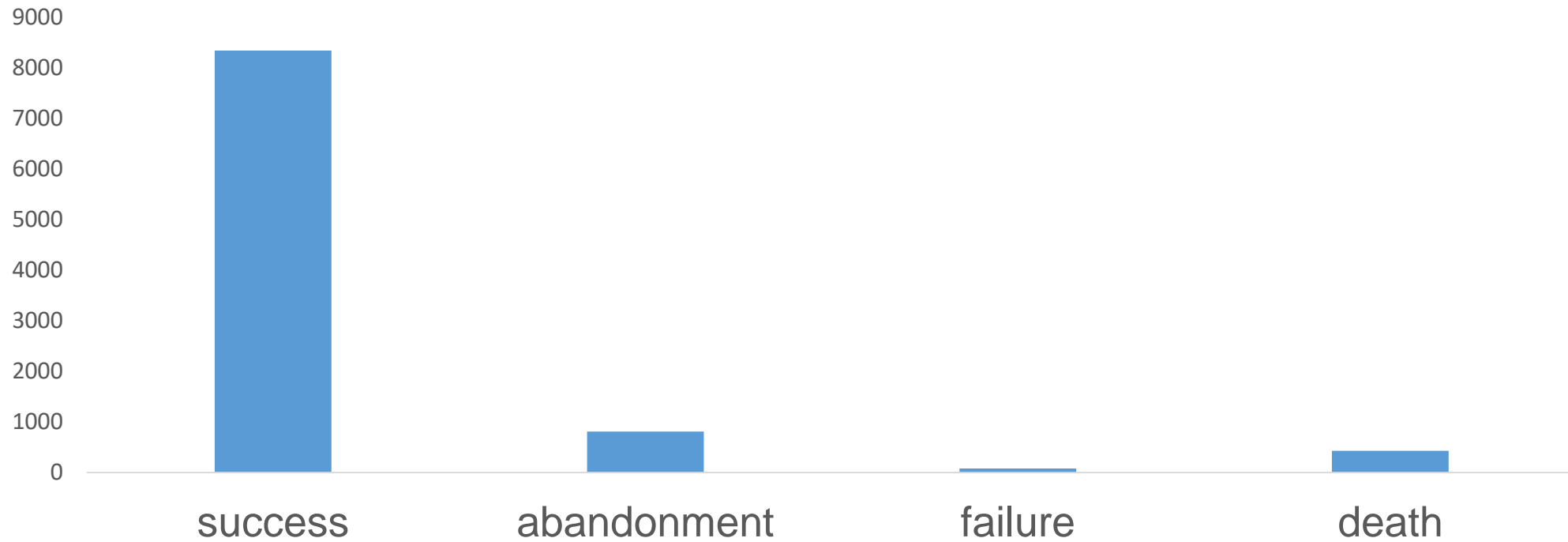
# Results

- Overall 9657 patients were enrolled, the age group  $\geq 15$  years old represented 90%.
- The sex ratio between men and women was 1.48.



# Results

## THERAPEUTIC OUTCOMES



# Results

- Successful treatment cases was 83%
- Death is observed in 4.4% of cases
- The proportion of cases of failure and abandonment was respectively 0.8% and 8%.



# Results

- The determinants of success are represented by female gender  $RR = 1.13$  [1.07-1.19], by age group  $< 15$  years old  $RR = 1.51$  [1.31-1.73] and by clinical form TPB+  $RR = 1.30$  [1.05 - 2.01].
- The form TPB-  $RR = 5.42$  [2.364-16.02] is found as a factor of deaths.