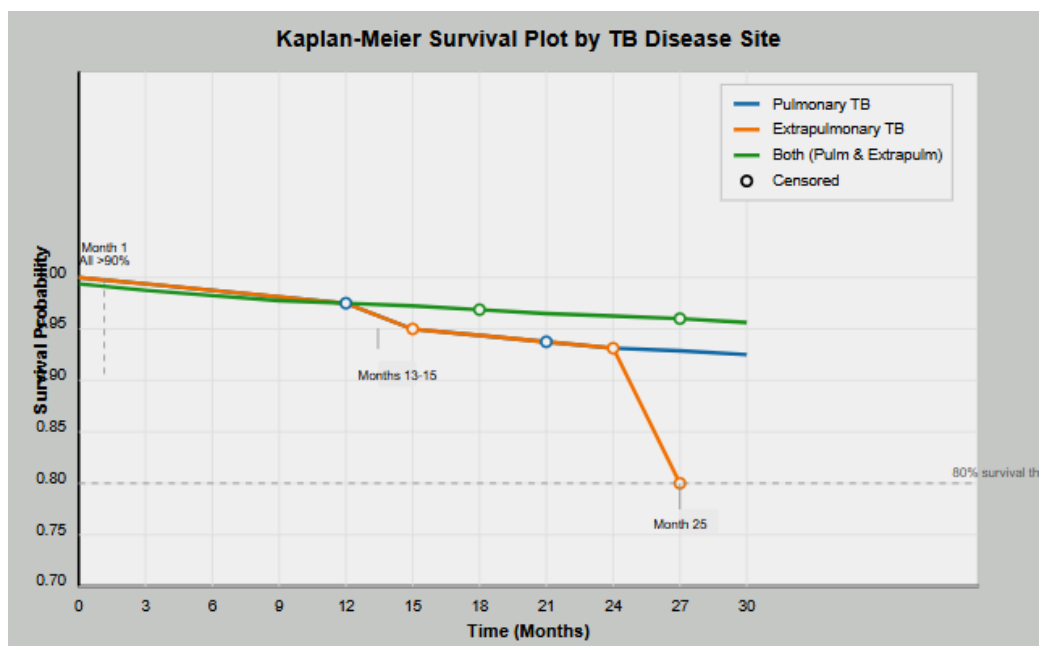


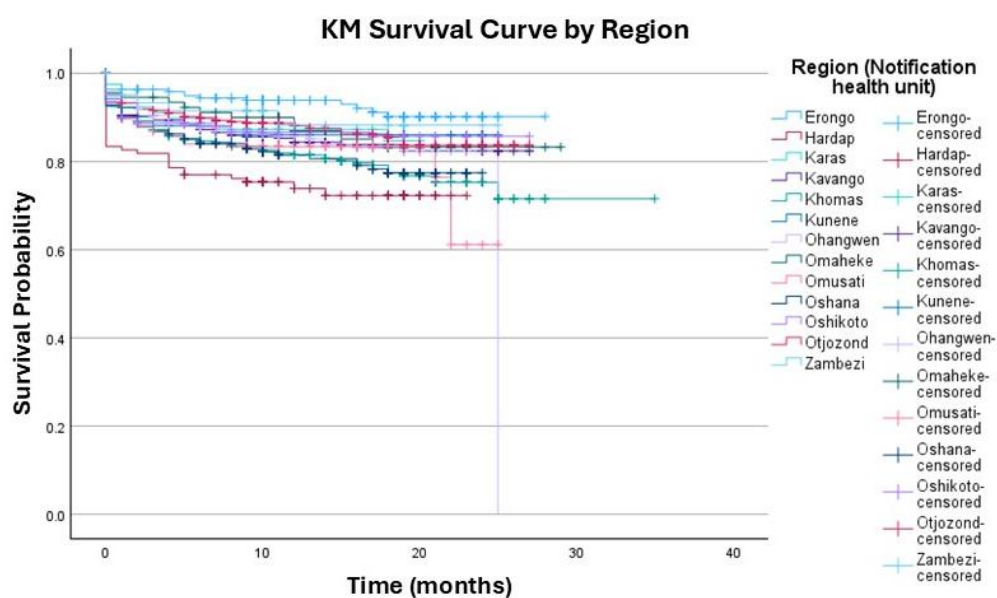
Supplementary table S1: Description of study variables

| Characteristic    | Variable                         | Description                                                                                                                                                                                                                                                                                  |
|-------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Time to event     | Length of treatment (in months)  | The difference between the date the DOTS-TB patient started treatment and the date the patient experienced the event, as recorded in the database                                                                                                                                            |
| Treatment outcome | Case status                      | The event that happened after treatment, as recorded in the database: completed, failed, currently on treatment, cured, defaulted, transferred out/to another unit, diagnosis changed, death, unspecified                                                                                    |
| Socio-demographic | Sex                              | DOTS-TB Patient's sex as recorded in the database: female, male                                                                                                                                                                                                                              |
|                   | Age (in years)                   | The age category of the DOTS-TB patient in the database: <18, 18-34, 35-54, 55+                                                                                                                                                                                                              |
|                   | Region                           | The geographical location of the DOTS-TB patient during diagnosis and treatment as recorded in the database. These were the 14 regions of Namibia: Erongo, Hardap, //Karas, Kavango East, Kavango West, Khomas, Kunene, Ohangwena, Omaheke, Omusati, Oshana, Oshikoto, Otjozondjupa, Zambezi |
| Clinical          | Site of TB disease               | The location of the TB infection as recorded in the database: pulmonary, extrapulmonary, both                                                                                                                                                                                                |
|                   | HIV Status                       | The DOTS-TB patient's HIV status, as recorded in the database: negative, positive, not specified                                                                                                                                                                                             |
|                   | Type of patient                  | Classification of the TB case based on treatment history, as recorded in the database: new case (i.e., first-time TB diagnosis), previously treated (including relapse, treatment after failure, treatment after default)                                                                    |
|                   | Number of previous TB treatments | The number of previous TB treatments the DOTS-TB patient has received: none, one previous treatment, two or more previous treatments                                                                                                                                                         |

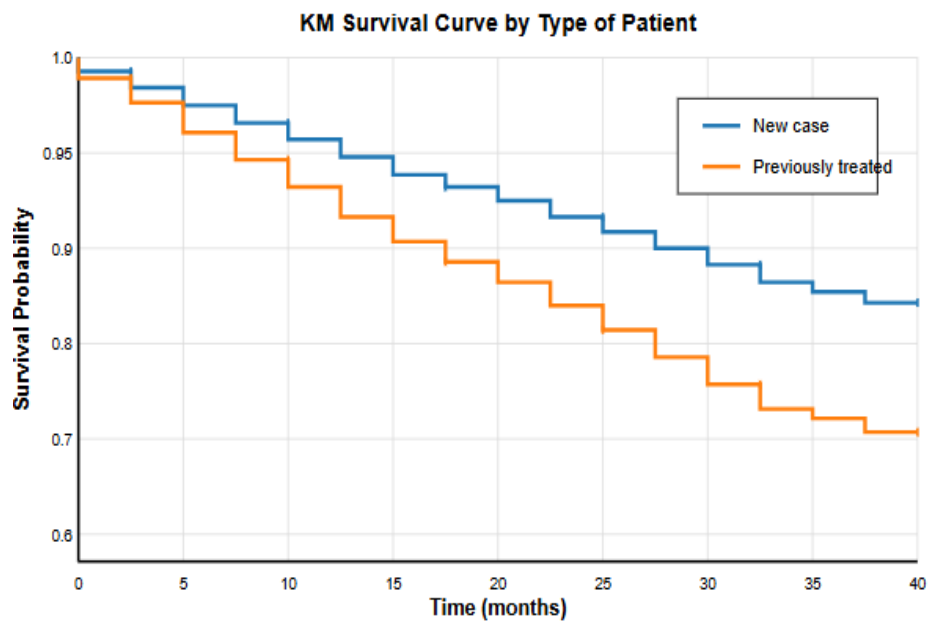




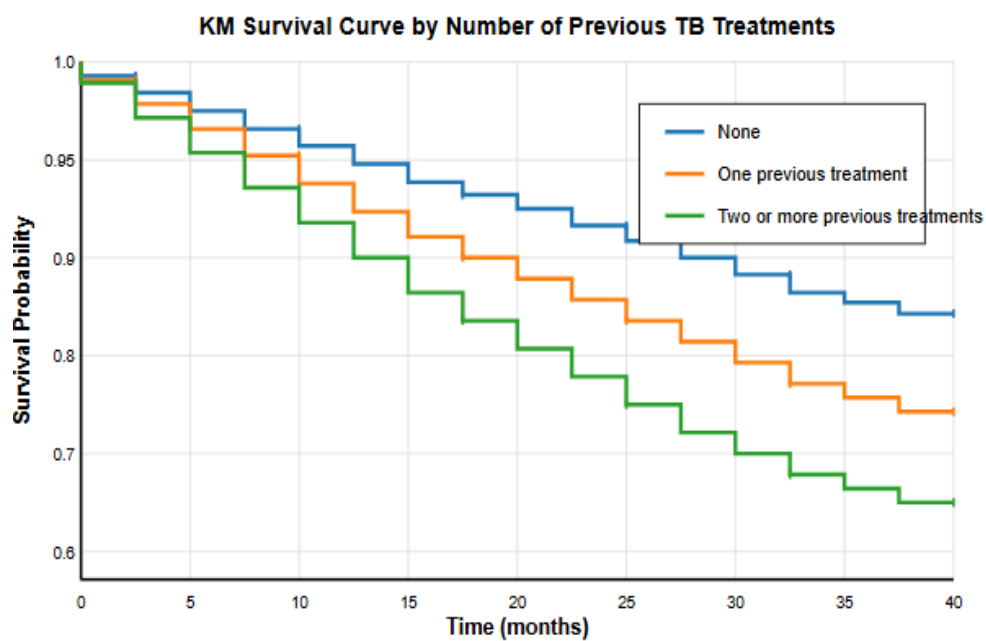
Supplementary figure S3: KM plot for site of TB disease during the study period of DOTS-TB patients.



Supplementary figure S4: KM plot for regions during the study period of DOTS-TB patients (2019-2023)

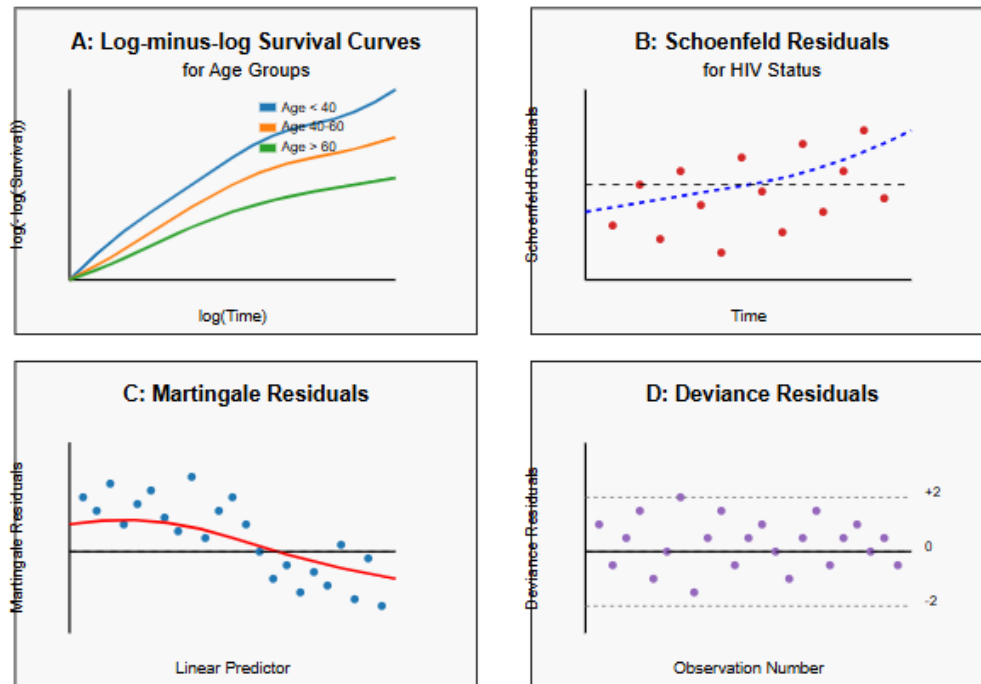


Supplementary figure S5: KM plot for type of patients during the study period of DOTS-TB patients (2019-2023)



Supplementary figure S6: KM plot for the number of previous TB treatment during the study period of DOTS-TB patients (2019-2023)

## Diagnostic Plots for Cox Proportional Hazards Model



Supplementary figure S7: Diagnostic plots for the CPH model showing (A) Log-minus-log survival curves for age groups, (B) Schoenfeld residuals for HIV status, (C) Martingale residuals, and (D) Deviance residuals assessment