Supplemental Material 1. Definition of episode and treatment outcomes

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| **Terms** | **Definition** |
| Episode |  |
| Episode\* | The period from the index date to the treatment end date  |
| Index date | The earliest of the TB treatment start date of KNTSS and the TB ICD-10 code claim date of NHID in the cohort  |
| Treatment end date | The treatment end date (The earliest date of the treatment end date after the index date; If it has treatment outcome) |
| Final treatment outcome | Suppose the first treatment outcome after the index date within the cohort year is Success, Failure, Loss to follow-up, TB-related death during treatment, and Other death during treatment. In that case, it is designated as the final treatment results. However, If the first treatment outcome after the index date within the cohort year is ‘Not evaluated’ or ‘Missing,’ the value of the treatment result of the next cohort year is designated as final results. |
| Treatment outcomes[[1]](#footnote-1) |
| Treatment Success | Designated as cure or completion in the database |
| Failure | Designated as failure in the database |
| Loss to Follow-up | Designated as loss to follow-up in the database |
| TB-related death during treatment | Designated as TB death in the database |
| Other death during treatment | Designated as other death in the database |
| Not evaluated | No treatment record of any kind and designated as not evaluated in the database |
| Missing | Treatment begins after 2018  |
| \* If the difference between ‘the treatment end date’ and the next ‘index date’ is less than 90 days, it is organized into one treatment episode; If the 1st episode is terminated but is reported to KNTSS again 90 days later, the 2nd episode starts. |

1. World Health Organization. (2020). WHO consolidated guidelines on tuberculosis: module 4: treatment: drug-resistant tuberculosis treatment: online annexes. [↑](#footnote-ref-1)