I appreciate the opportunity to review this interesting report on the unsuccessful treatment in pulmonary tuberculosis factors and a consequent predictive model. I enjoyed reading the manuscript. I commend the authors for a number of strengths of their work, including:

1. Introduction provides the relevance of the research and the breakdown of an effective infection control program for PTB
2. The research question is clearly stated in the introduction with the need of the research being there are no studies covering PTB currently in Portugal.
3. Used data from a database that abides by the WHO guidelines and evaluated annually.
4. The use of appropriately sophisticated sampling and data analysis approaches.

Considering these strengths, though, as I read the manuscript I found some areas in which I would have appreciated greater clarity. I believe the paper could be further strengthened by added information about:

1. Would be beneficial to the reader for the End TB Strategy milestones to be stated in the 'Introduction' so can get a full view of where the objective of PTB control is headed
2. State reason why SVIG-TB doesn’t record tobacco information
3. Putting the overall level of unsuccessful treatment percentage in the first sentence of the last paragraph of the ‘Conclusion’ section

My overall recommendation for this manuscript is minor revision with a re-review after suggested changes are made.