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Seema Nanda (seema.nanda@dartmouth.edu), 6188 Hinman, Hanover, NH 03755, and **Yash Vyas***, Dept of Statistics, Palo Alto, CA. *Parameter Analysis for a a model for Tuberculosis Spread in India.*

We use a model for spread of tuberculosis (TB) in a closed community and deduce information about the prevalence of disease in a rural district of India. Parameter estimation of the model demands very specific data which is not easily available. We focus our study on the importance of these parameters in the model to identify information about spread of TB. We examine the case of correlated and uncorrelated parameters values and compare our conclusions in the two cases. (Received September 26, 2017)