**Author Statement**

**Authors’ Contributions**

A.L.K.M. participated in the study design, carried out model analysis and drafted the manuscript. B.A.D.v.B. participated in the study design and provided feedback on manuscript drafts. M.E.J.W. participated in the study design and provided feedback on manuscript drafts. J.A.W. provided feedback on manuscript drafts.

**Data Availability**

Datasets and reproducible code can be found available from <https://github.com/alexmorgan1995/FoodborneDisease>.

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**Conflict of Interest Statement**

All authors declare that they have no conflicts of interest.