**Appendix A.** JAGS code for the Bayesian Hierarchical Model.

**Appendix B.** Final predictions of log-total mortality and associated 95% credibility intervals for all WHO countries using the Bayesian hierarchical model.

*Notes*: Cluster 1, 143 countries; cluster 2, 20 countries; cluster 3, 3 countries; cluster 4, 29 countries; \*observed log-total mortality rate outside of the predicted 95% credibility intervals.