

## Supplementary Material

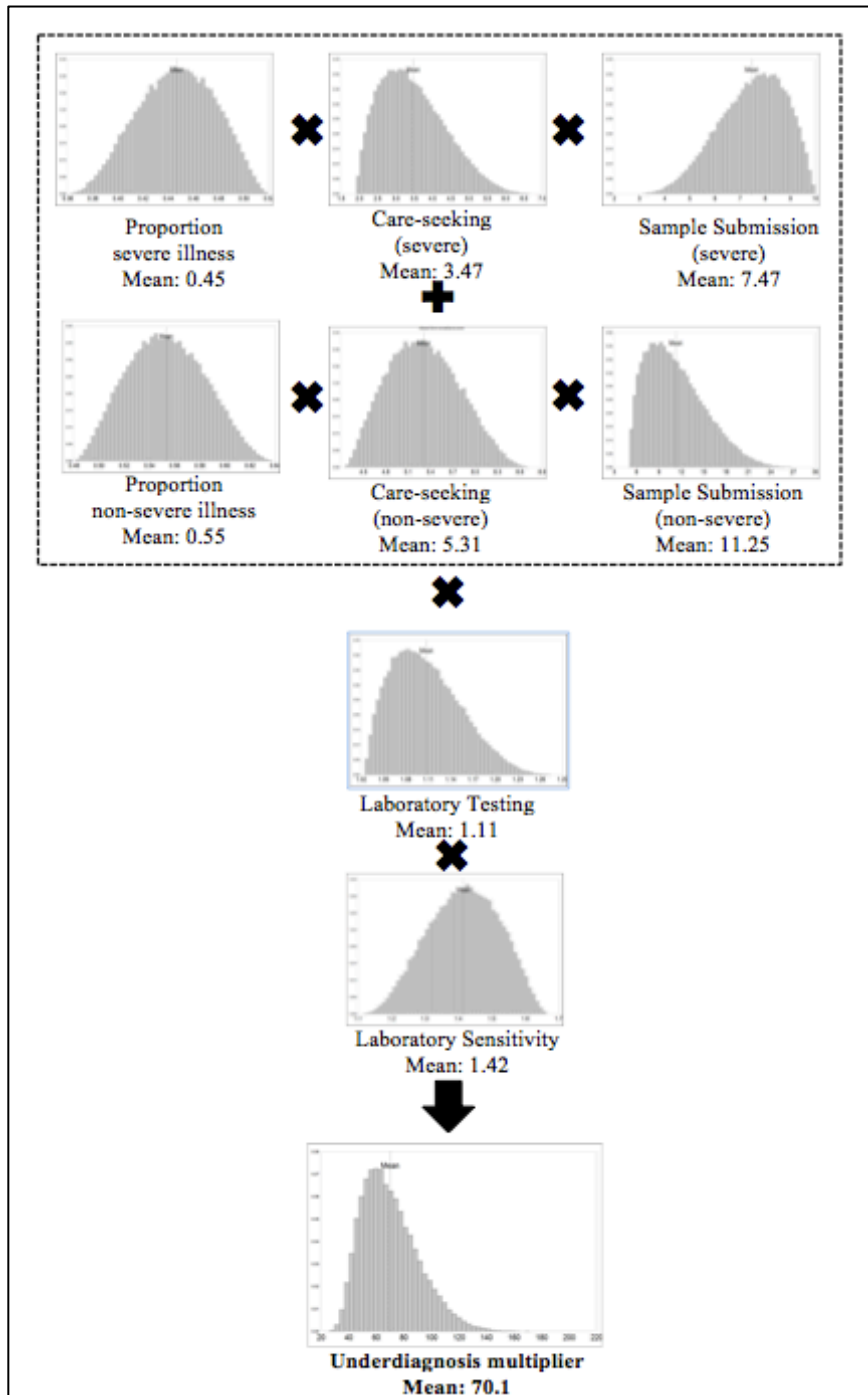


Figure S.1. Distributions and model inputs and out output for the *Campylobacter* underdiagnosis multiplier.

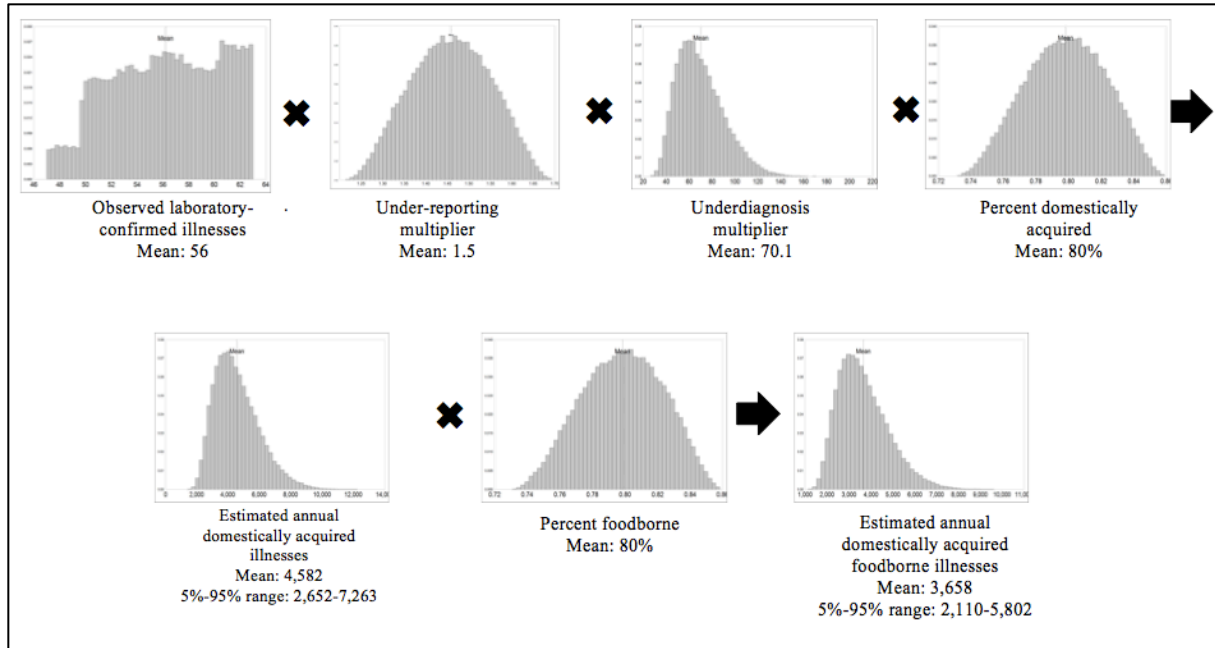


Figure S.2. Distributions and model inputs and out output for the *Campylobacter*.

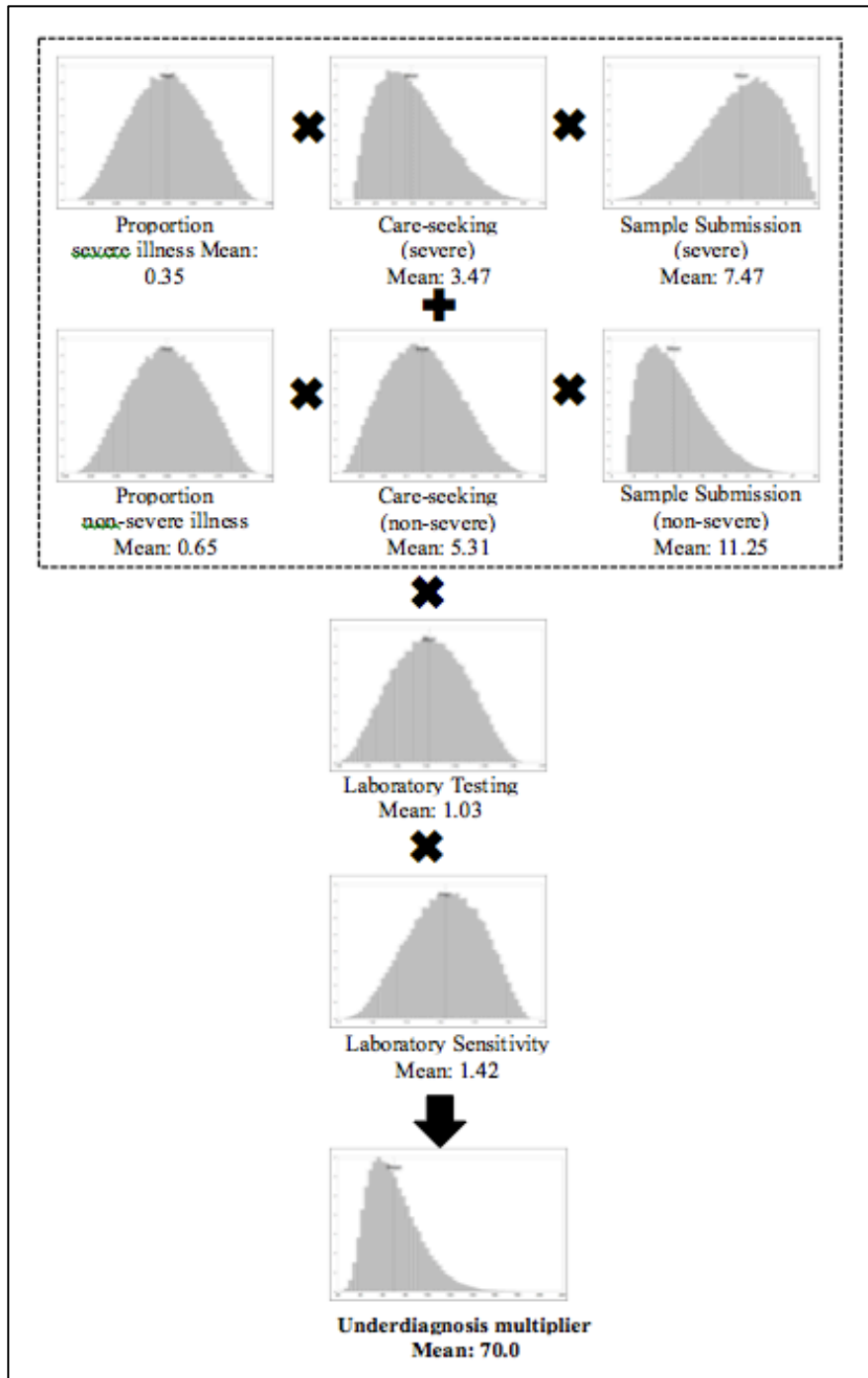


Figure S.3. Distributions and model inputs and out output for the *Shigella* underdiagnosis multiplier.

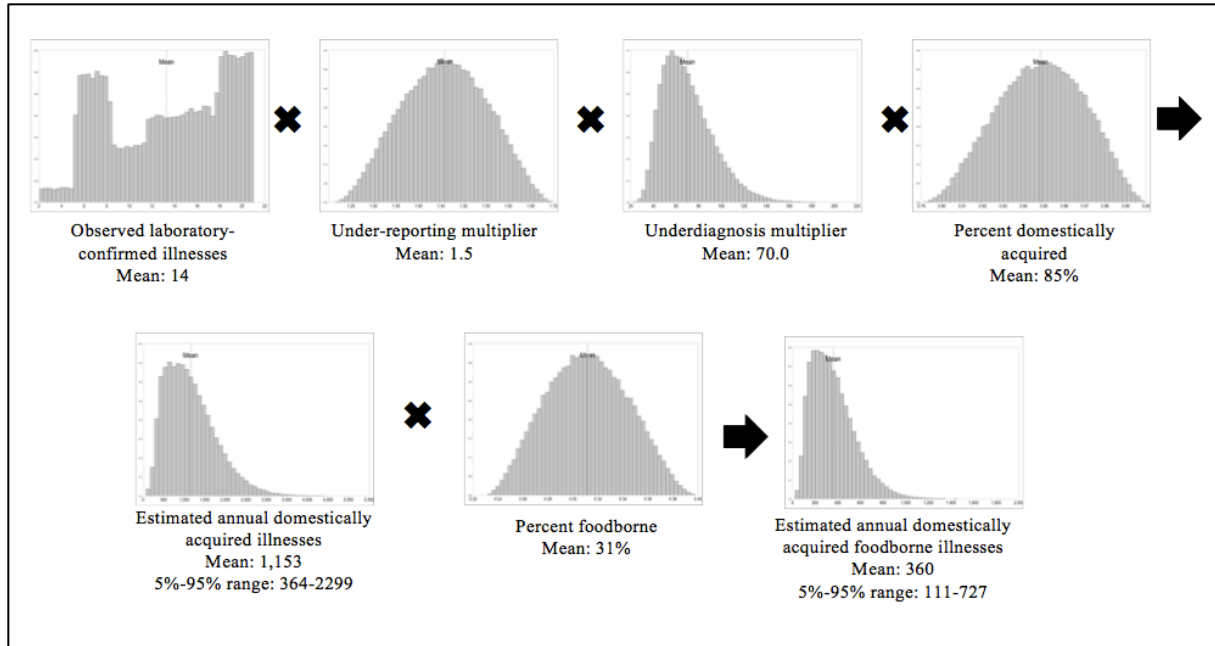


Figure S.4. Distributions and model output for *Shigella*.

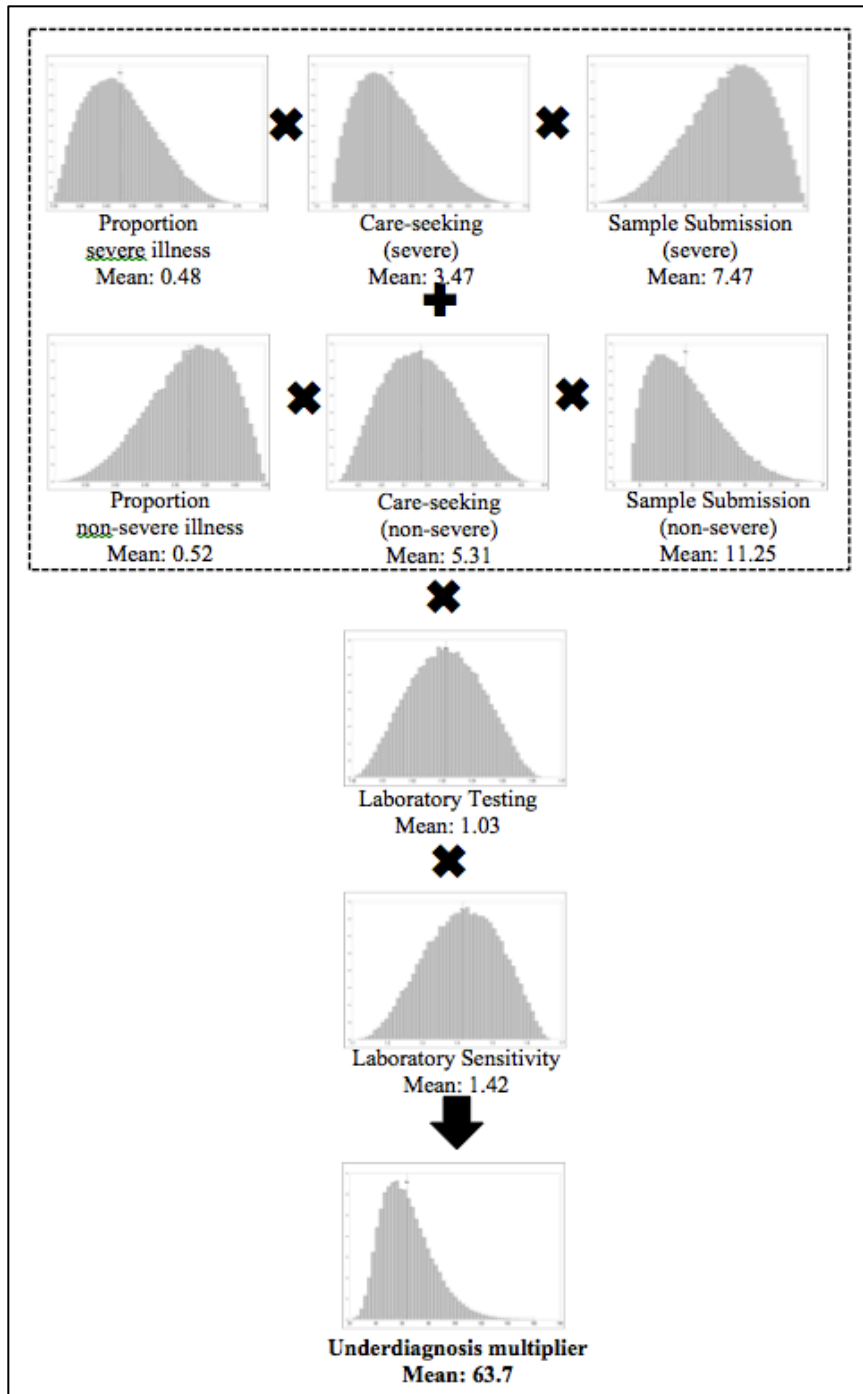


Figure S.5. Distributions and model inputs and out output for the *Salmonella enterica* non-typhoidal underdiagnosis multiplier.

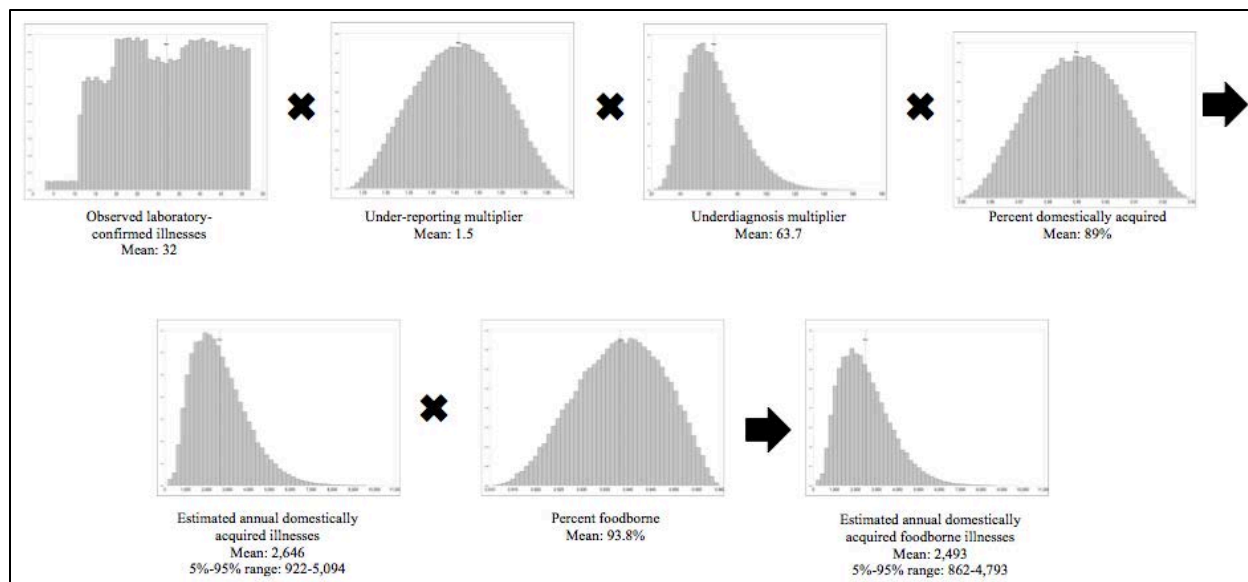


Figure S.6. Distributions and model output for *Salmonella enterica* non-typhoidal.

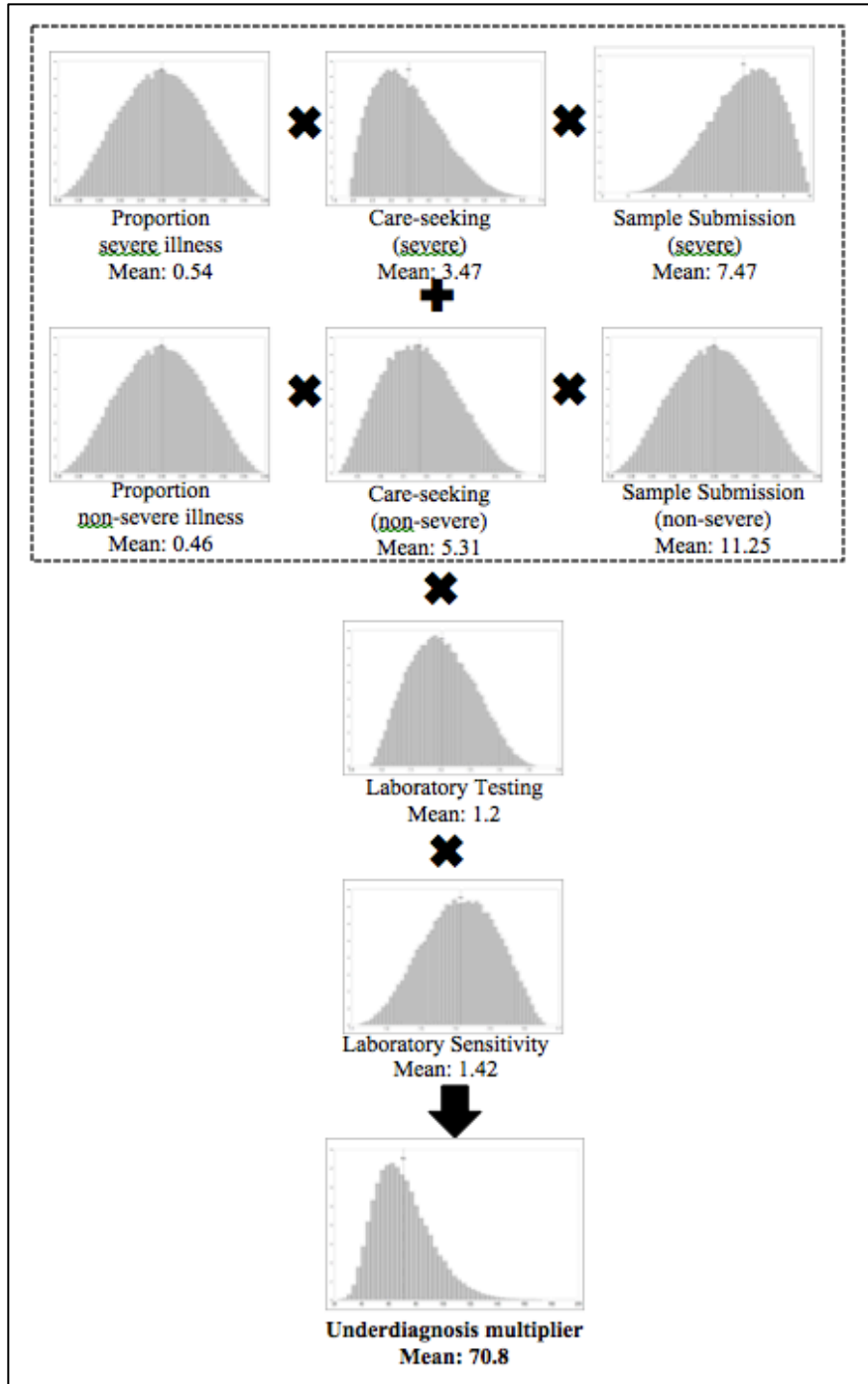


Figure S.7. Distributions and model inputs and out output for the STEC non-O157 underdiagnosis multiplier

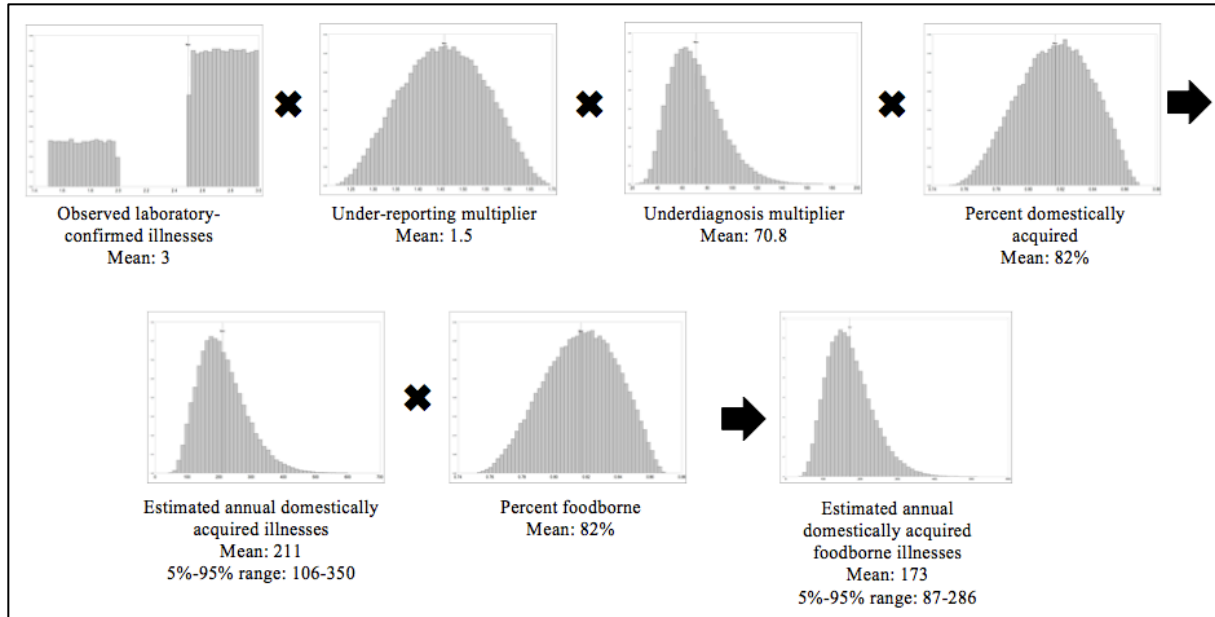


Figure S.8. Distributions and model output for STEC non-O157.

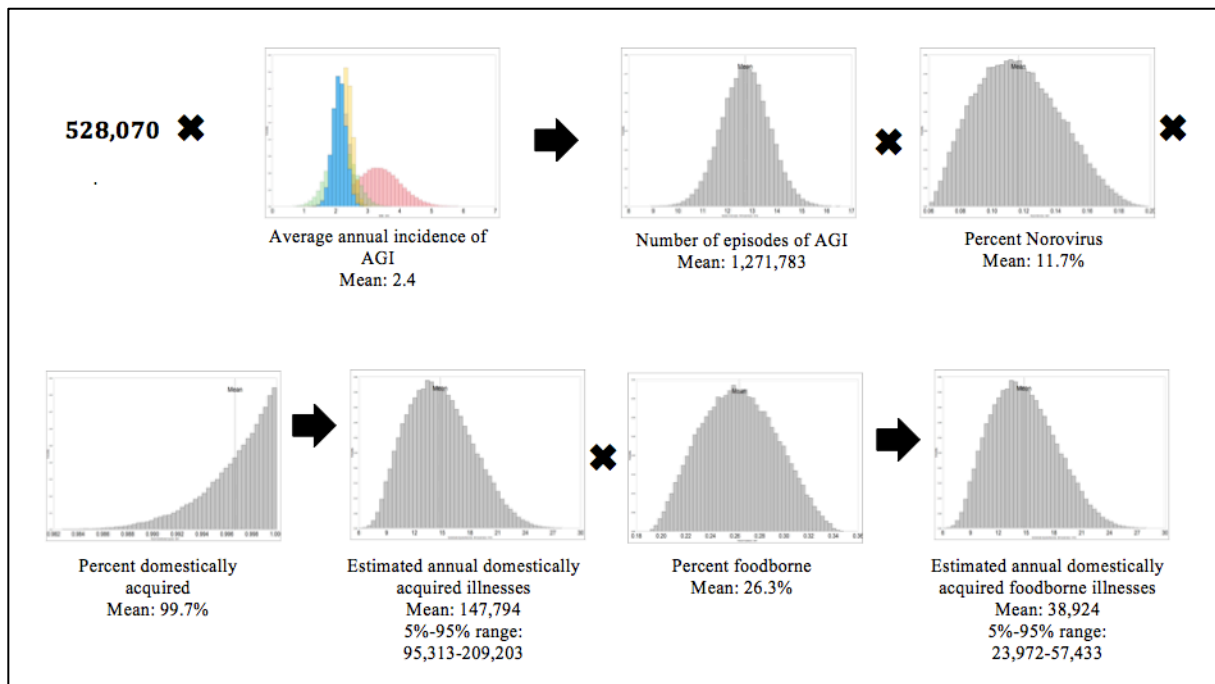


Figure S.9. Distributions and model output for *Norovirus*.