Dear Editor(s) and reviewers,

August 28, 2023

Please find herewith our new manuscript entitled ‘Inference of transmission dynamics and retrospective forecast of invasive meningococcal disease' submitted for publication consideration in *PLOS Computational Biology.*

In the file answer.docx, we provide answers to all reviewers' comments. Our findings are in line with the ones presented in the first submission. We demonstrate the ability of process-based models to retrospectively forecast IMD and provide a first analysis of the seasonality of IMD before and after the complete vaccination regimen.

**Keywords:** epidemiology | Invasive meningococcal disease | forecasting | Bayesian inference

Sincerely yours,

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