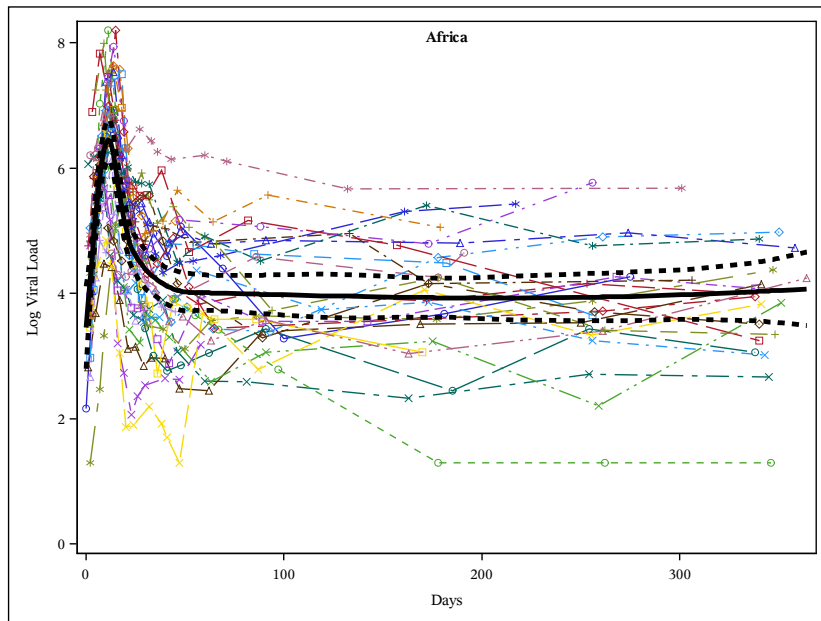# Figure S1: Viral Load Regional Spline Models

A.
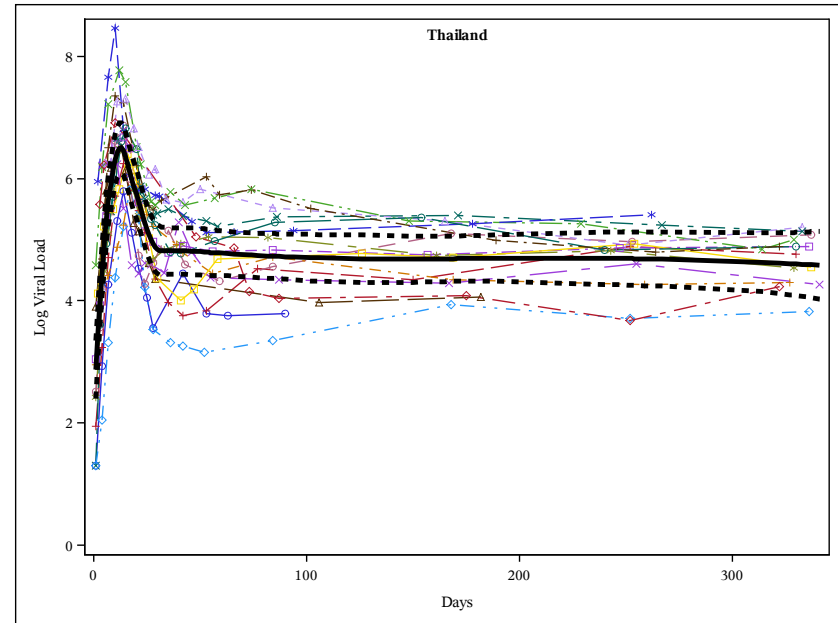
B.

Figure S1: Regression splines with subject-specific slopes and intercepts were fit using the first year of viral load data for each region (panel B and C). Day 0 is defined as the first reactive APTIMA RNA test. The spline was defined using the truncated power function basis with degree 2. The number of spline knots were selected by minimizing the Akaike information criteria (AIC). Region-specific spline effects were added to the base model after being tested for significance using the AIC. Subject-specific splines were also considered, but did not improve model fit or the AIC. Splines models were fit in PROC GLIMMIX of SAS version 9.3.