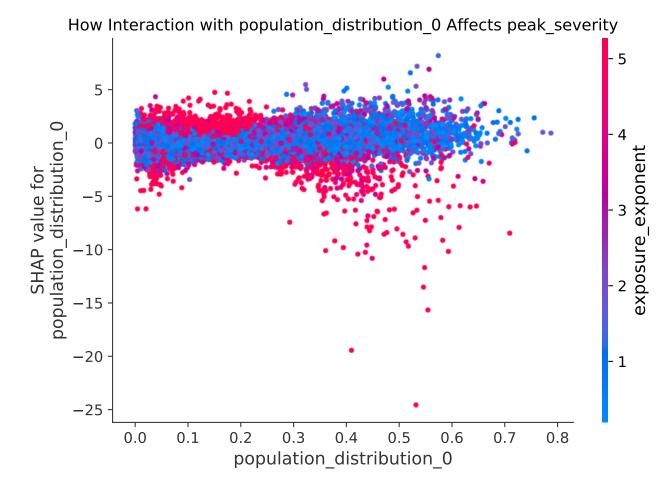
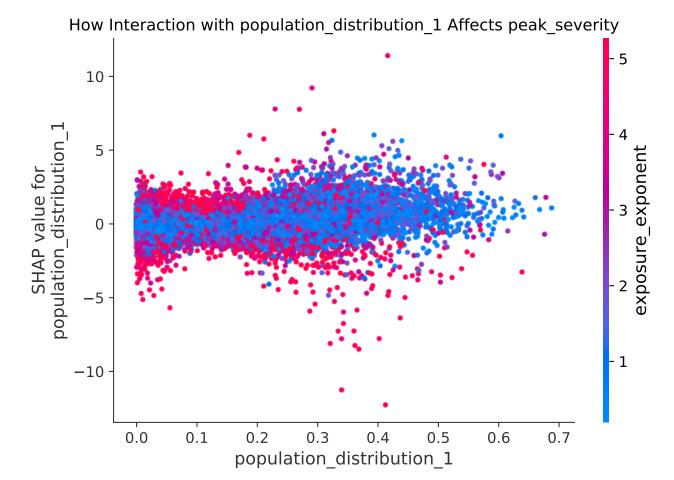
peak_severity
Forecast by Meta-Model vs Actual Outcome by Simulator 1200 -1000 -800 -Actual Forecast

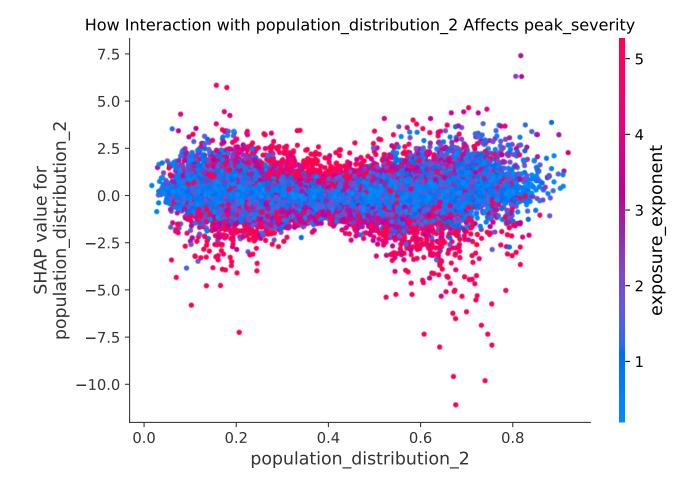
Datapoint-specific Sensitivities to peak severity High random infection rate exposure exponent time death mean xposure probability4unit contact time death max time recovery syv mean time latent mean time recovery syv max time latent max time decline mean time symptoms onset mean time symptoms onset max time decline max time recovery_asymp_mean time test result mean time test administered mean time recovery asymp max time test administered max time test result max time recovery_symp_mean Low -200100 300 400 -300-100200 500

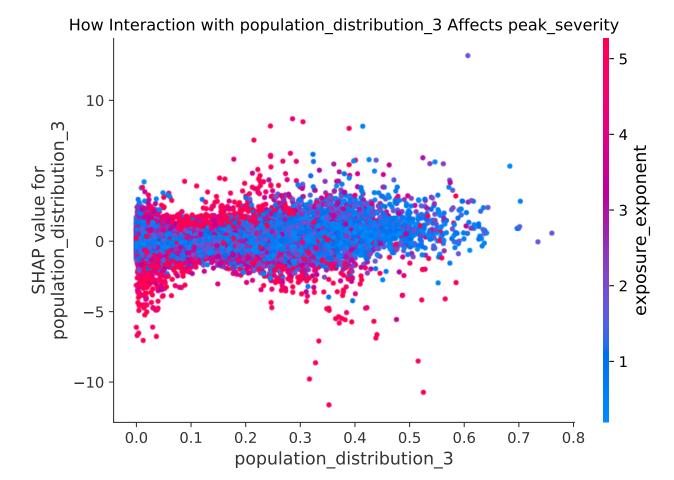
SHAP value (impact on model output)

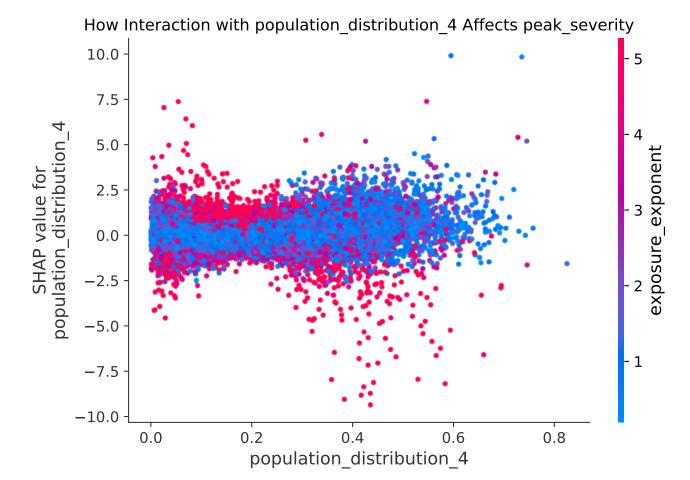
Feature value

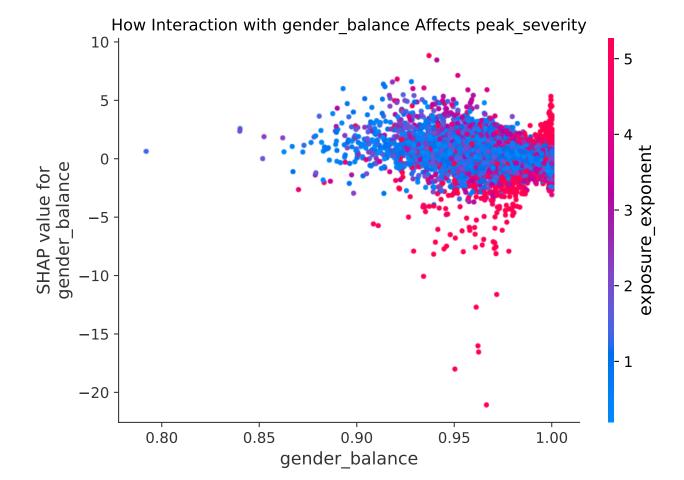


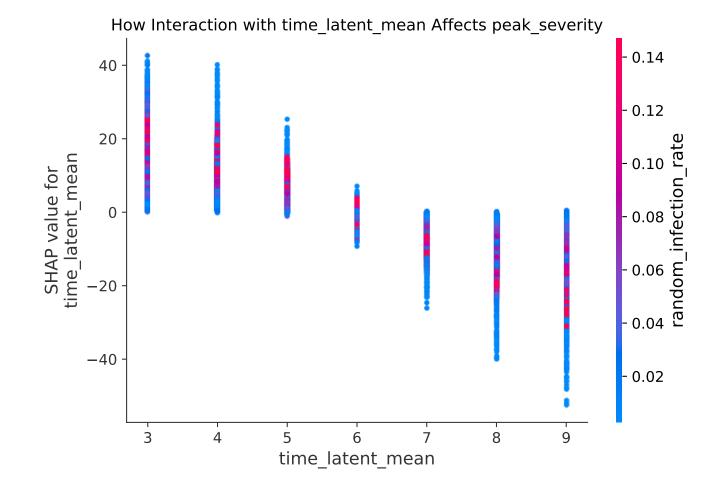


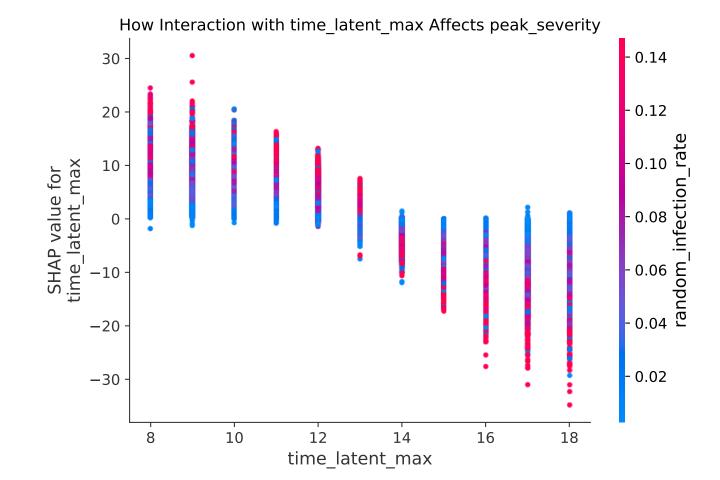


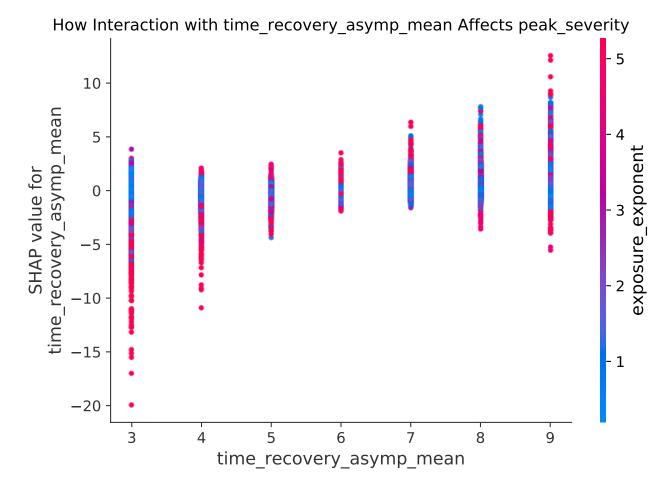


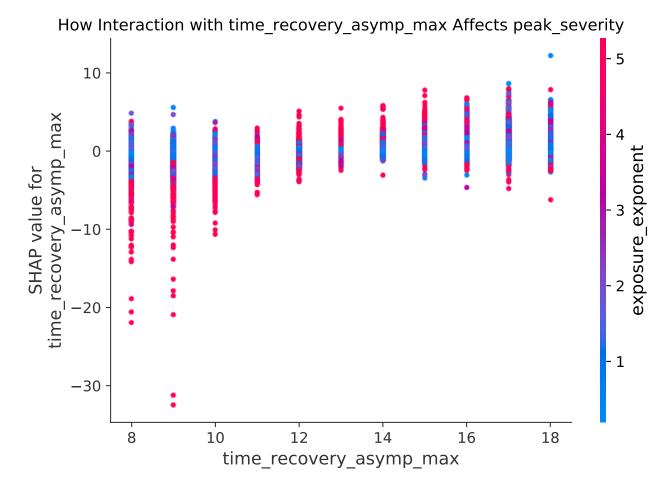


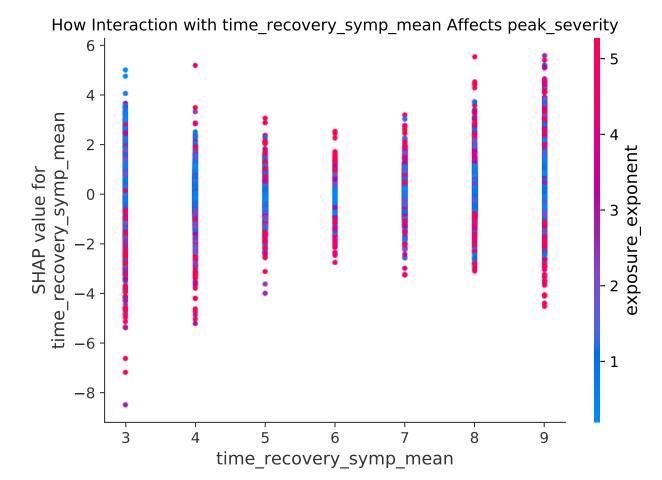


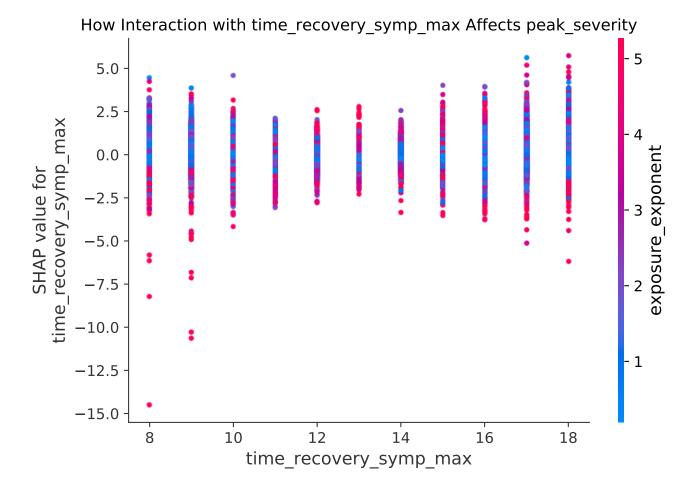


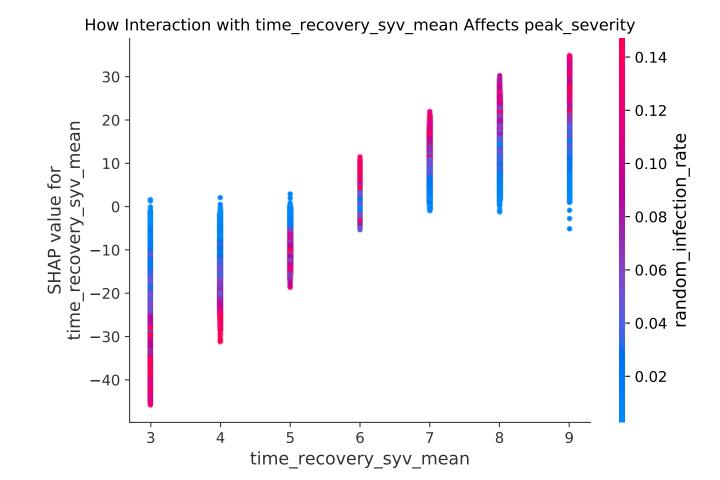


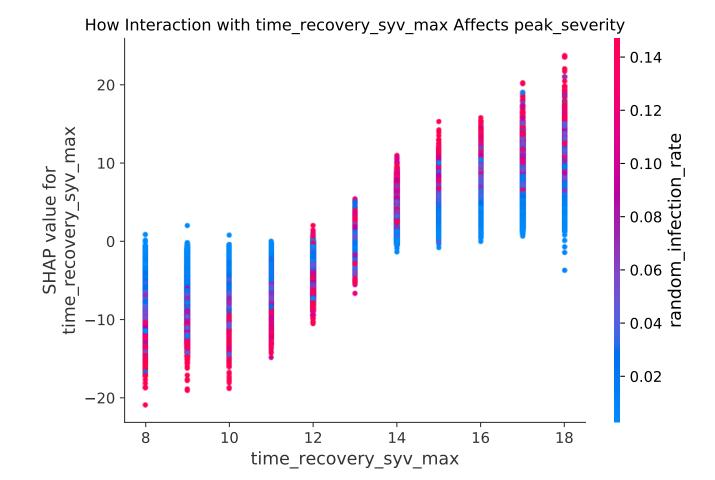


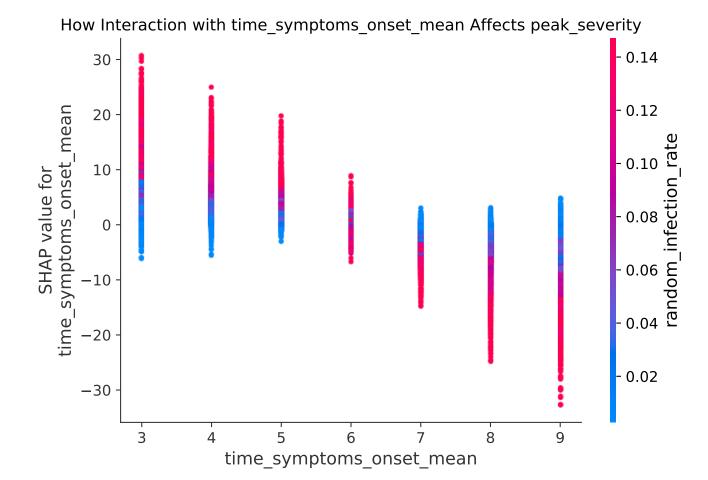


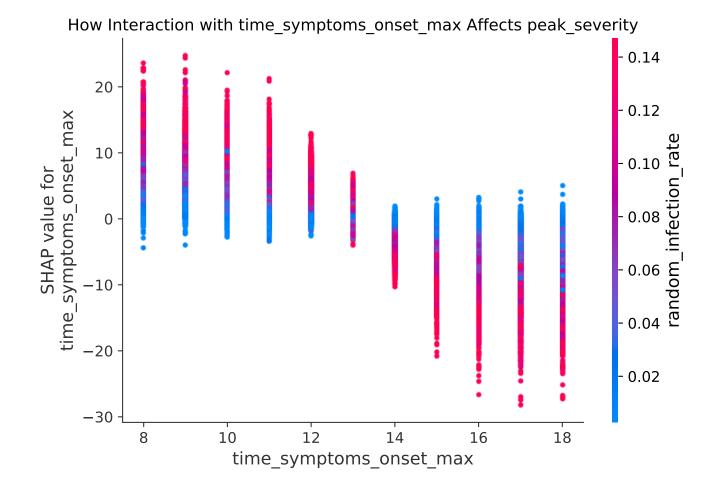


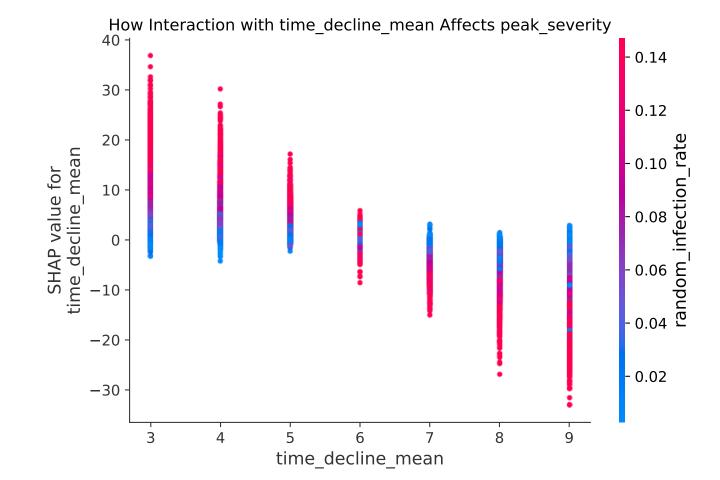


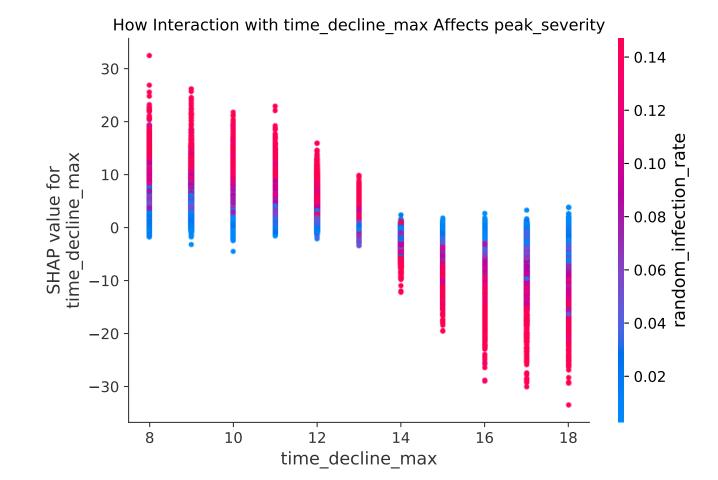


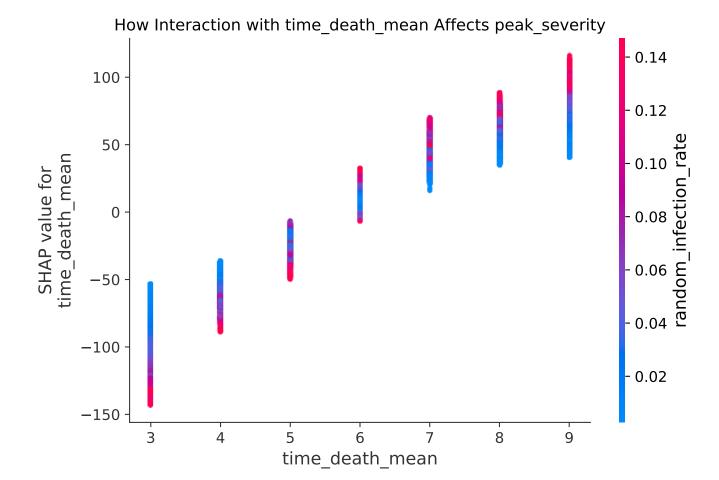


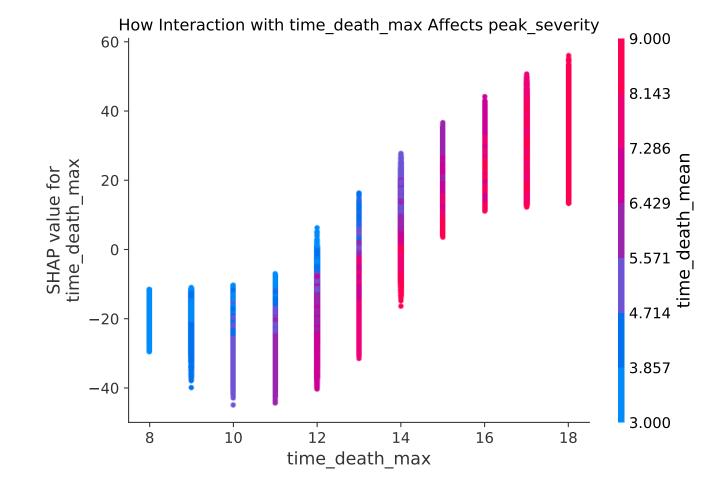


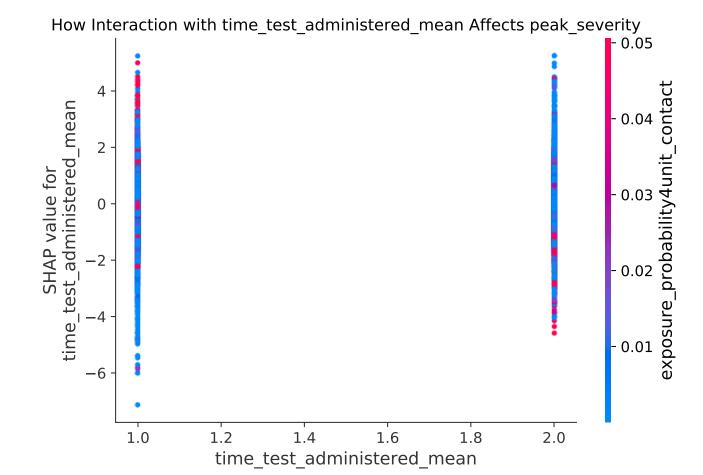












How Interaction with time test administered max Affects peak severity 5 10 time test administered max 5 exponent SHAP value for 0 exposure -5-102.0 2.5 3.5 4.0 4.5 5.0 5.5 6.0 3.0 time_test_administered_max

