

TABLE 1. Median Ensemble Model Fit Statistics, by Training Covariates and Lagging

Combination	AIC ^a	Sigma ^{2b}	RMSE	MAPE
Base (no covariates)	331.5	250,962.5	491.2	10.1
PASC encounters				
	427.9	267,422.6	525.4	18.0
COVID-19 cases				
No lag	327.7	124,189.8	313.6	8.8
3-month lag	421.9	250,262.5	645.6	19.6
6-month lag	331.5	271,967.1	528.5	11.5
COVID-19 encounters				
No lag	331.4	211,062.8	445.8	11.0
3-month lag	422.7	277,948.1	643.0	20.1
6-month lag	331.6	202,544.6	441.7	9.8
CLI encounters				
No lag	331.6	217,329.0	455.5	10.5
3-month lag	421.4	258,492.6	630.0	17.9
6-month lag	420.5	254,913.9	621.4	17.3
COVID-19 cases, COVID-19 encounters and CLI encounters				
No lag	327.9	156,411.2	392.1	8.3
3-month lag	425.3	284,716.0	610.4	16.3
6-month lag	326.4	201,484.5	431.9	9.9
Demographics: age, sex, race and ethnicity, rank, re-infection status, hospitalization status				
	463.8	223,839.5	210.1	14.9
COVID-19 cases, COVID-19 encounters, CLI encounters and demographics				
No lag	470.2	350,118.4	262.6	75.8
3-month lag	494.5	856,769.3	391.9	93.3
6-month lag	485.7	623,760.2	334.1	112.3
All: PASC encounters, COVID-19 cases, COVID-19 encounters, CLI encounters and demographics				
No lag	465.1	299,529.7	231.8	56.6
3-month lag	-103.8	0.0	0.4	0.05
6-month lag	422.1	64,483.4	108.0	85.7

Abbreviations: AIC, Akaike information criterion; RMSE, root mean squared error; MAPE, median absolute percent error; PASC, post-acute sequelae of COVID-19; COVID-19, coronavirus disease 2019; CLI, COVID-like illness.

^a Not available for neural network (NNET) model.

^b Not available for vector autoregressive (VAR) model.