Forecast Comparison for ICU Occupancy Orange County Data $R_0(t)$: Constant $R_0(t)$: Constant $R_0(t)$: GMRF $1/\kappa(t)$: Genetic $1/\kappa(t)$: GMRF $1/\kappa(t)$: Constant 600 1 Week Ahead Forecasts 400 200 1,000 2 Weeks Ahead Forecasts 750 500 250 3,000 4 Weeks Ahead Forecasts 2,000 1,000

Jan '22

Feb '22

Mar '22

Jun '21

Jul '21

Oct '21

Nov '21

Dec '21

Sep '21

Aug '21

Jan '22

Feb '22

Feb '22

Jan '22

Dec '21

Sep '21

Aug '21

Credible Interval Width 50% 80%

Oct '21

Mar '22

Jun '21 -

Jul '21

Aug '21

Sep '21

Oct '21

Date

Nov '21

Dec '21

ICU Occupancy