

Austin COVID-19 ICU Projections

UT COVID-19 Modeling Consortium

July 9, 2020



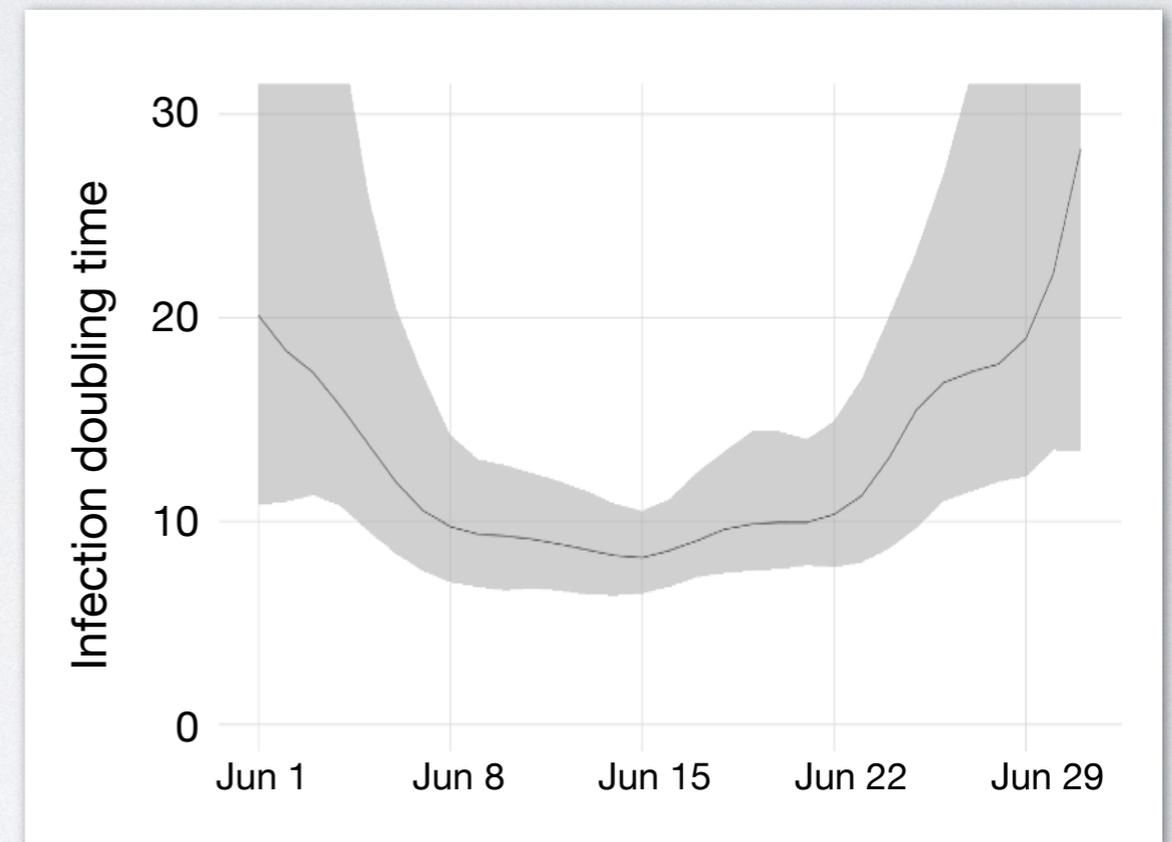
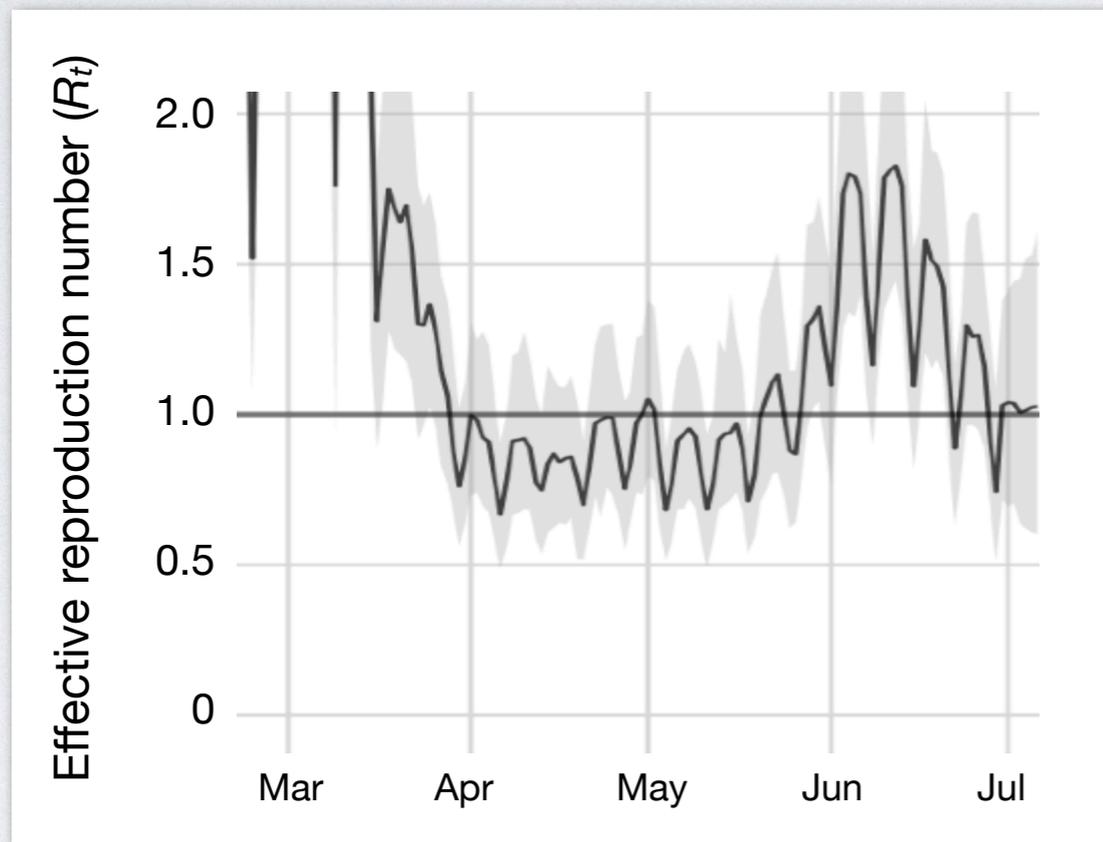
What has changed?

Critical limiting resource is ICU capacity for COVID-19 patients.

- Key indicator triggers designed to ensure that Austin does not exceed a COVID-19 hospital capacity of 1500 beds.
- ICU capacity for COVID-19 patients is somewhere between 331 and 474 beds, depending on whether hospitals receive additional resources.
- This means local healthcare capacity may be as much as 45% lower than original assumed.

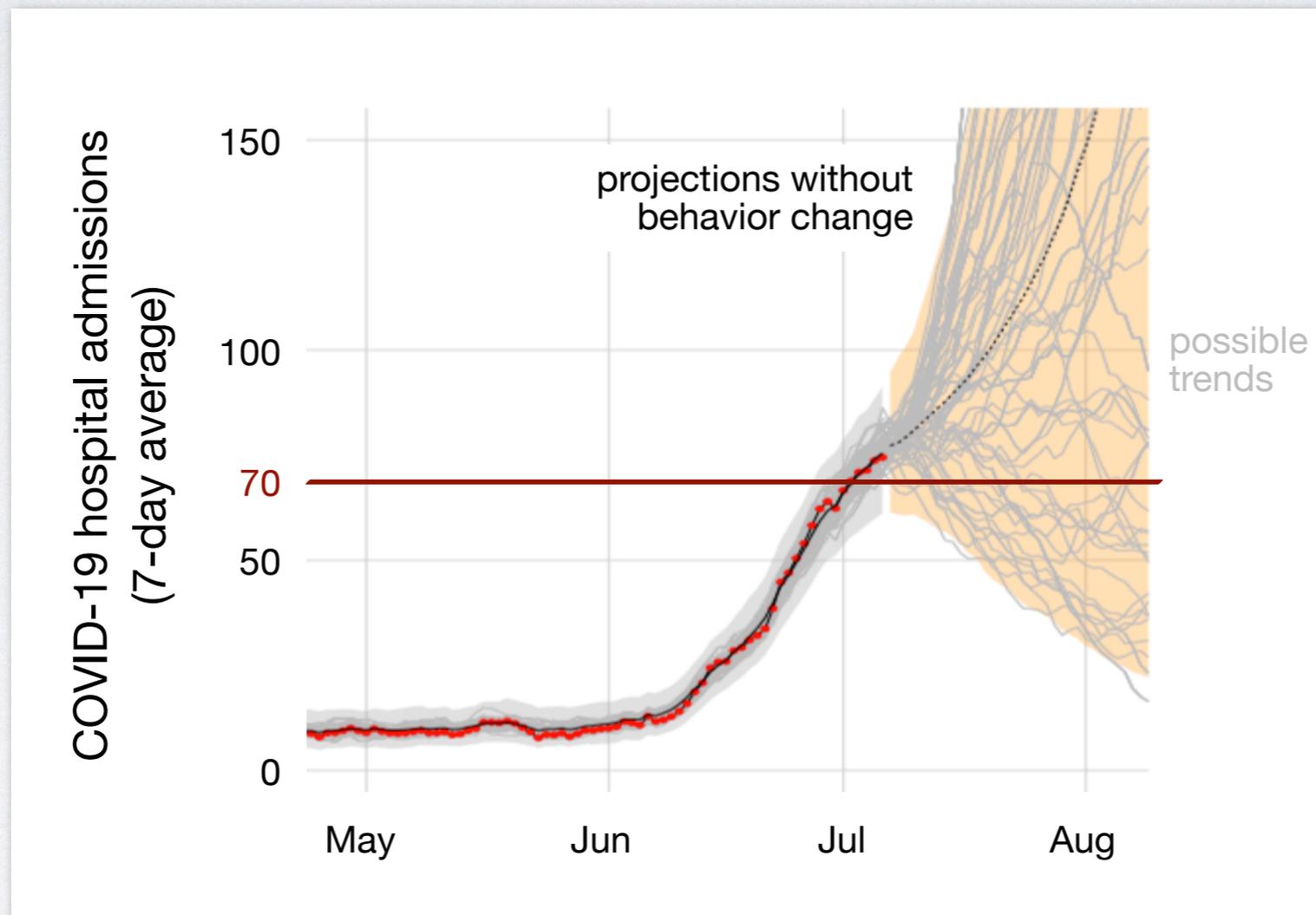
COVID-19 transmission has been slowing in Austin since mid June.

Situation update

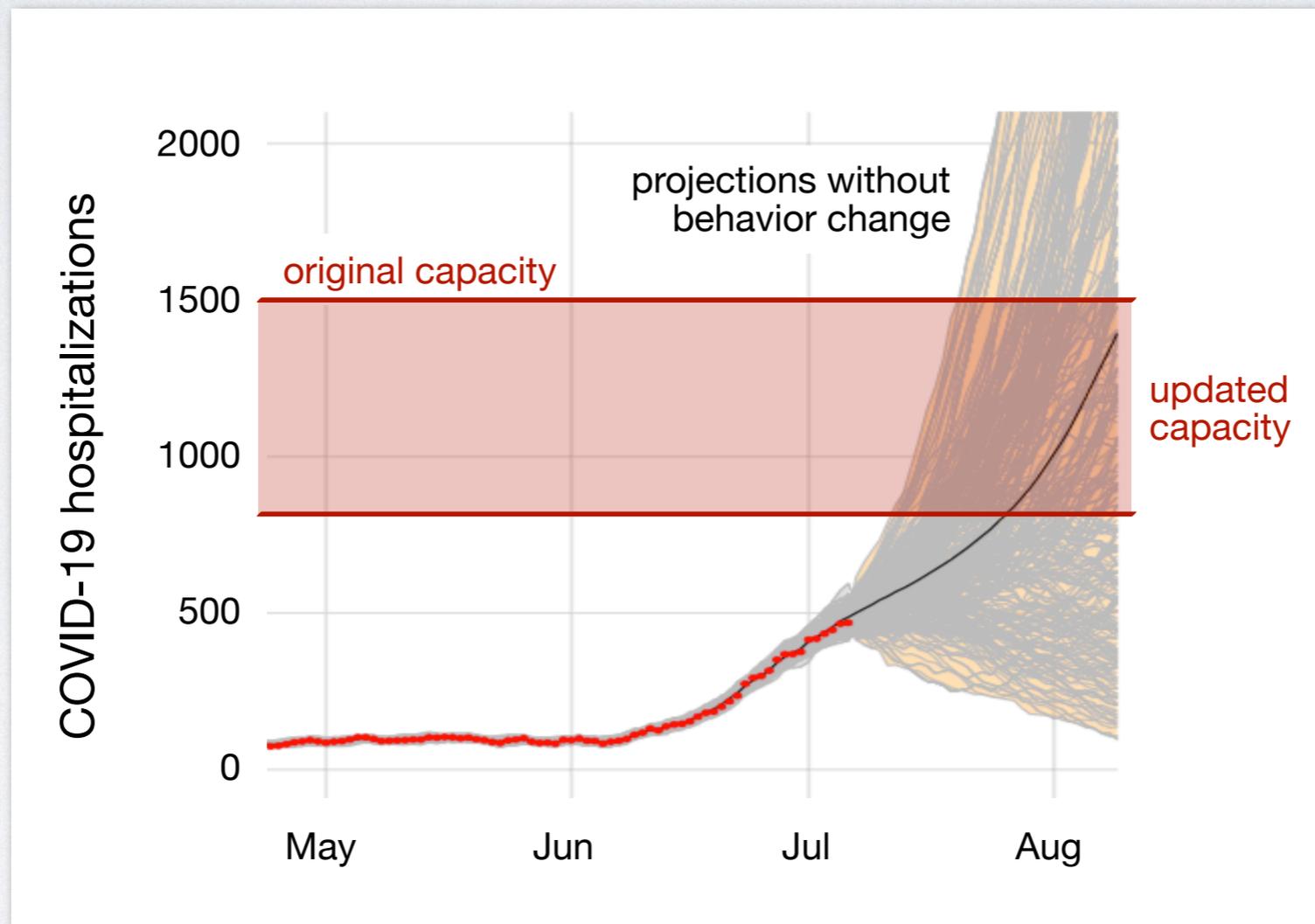


33% reduction since June 10-16

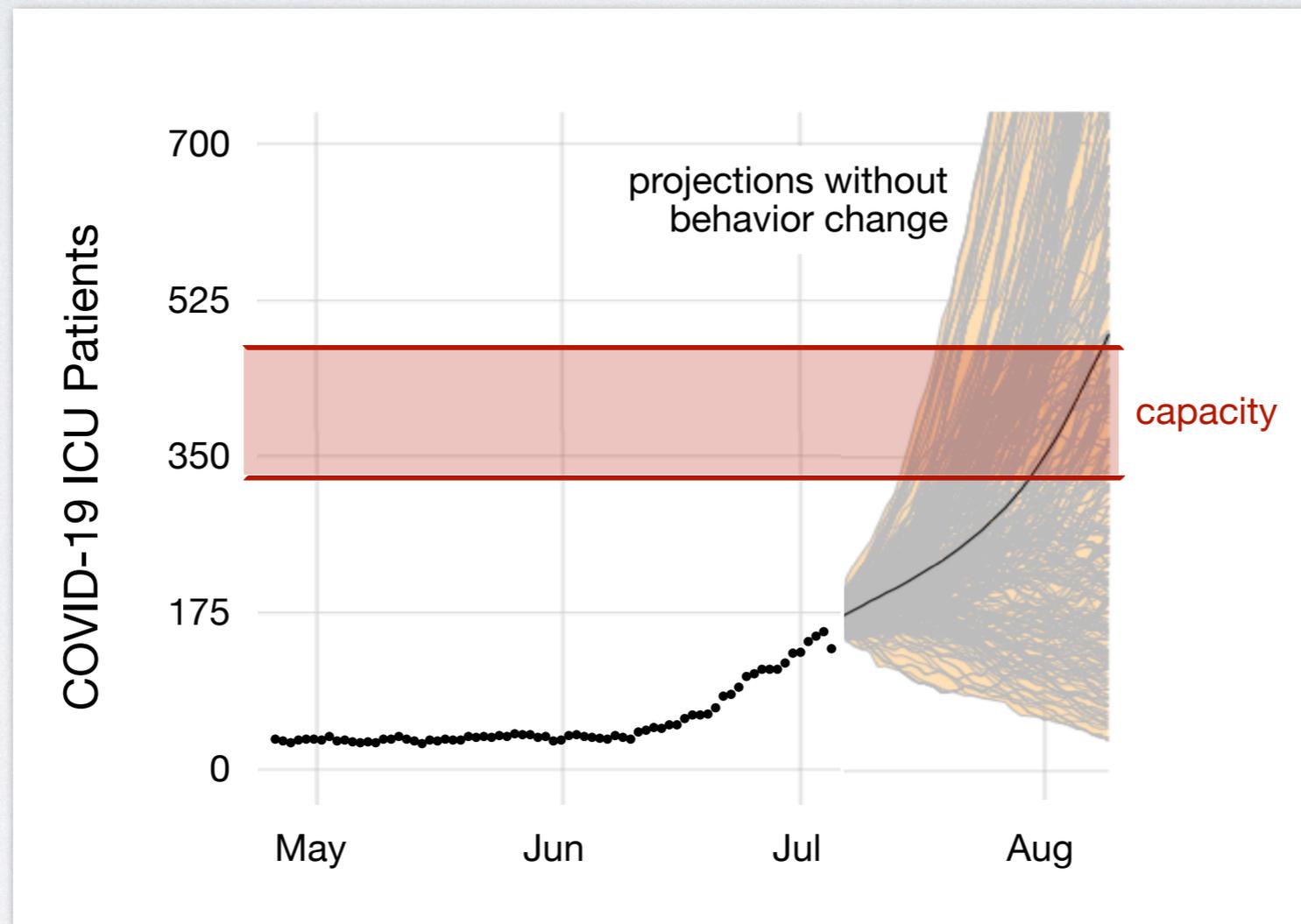
Short term projections



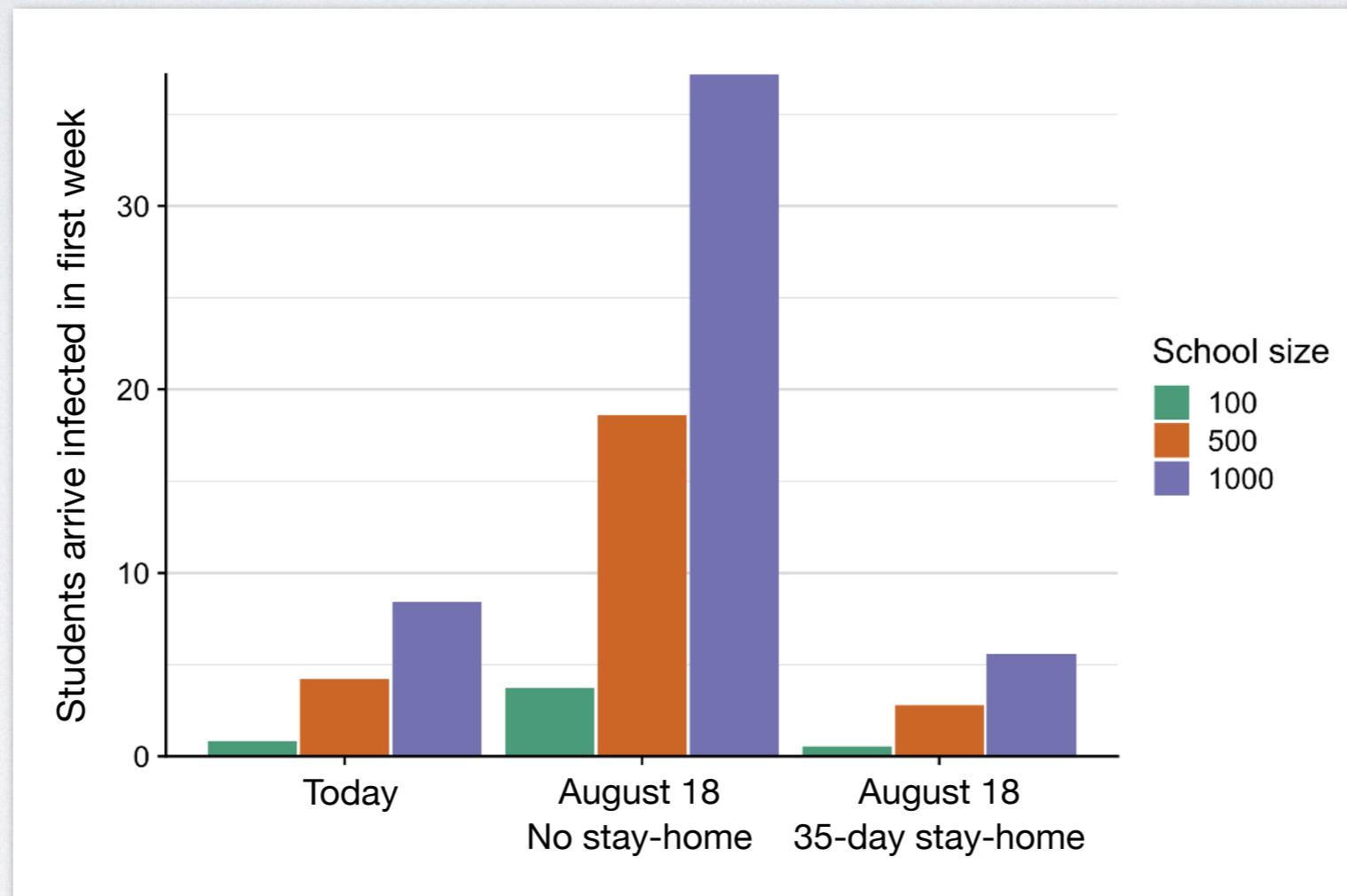
COVID-19 Hospitalizations



COVID-19 ICU Patients



Opening schools



Take aways

The COVID-19 pandemic may soon threaten the safety and integrity of Austin's healthcare systems.

COVID-19 healthcare needs are quickly approaching local ICU capacity.

The COVID-19 transmission rate has been slowing since early June. However, it is unclear whether current behavioral and policy changes will be sufficient to prevent unmanageable hospital and ICU surges.

To avert overwhelming COVID-19 healthcare demands, Austin should do more to slow the spread of the virus and expand ICU capacity.

The more we curb transmission, the more feasible opening schools will be.