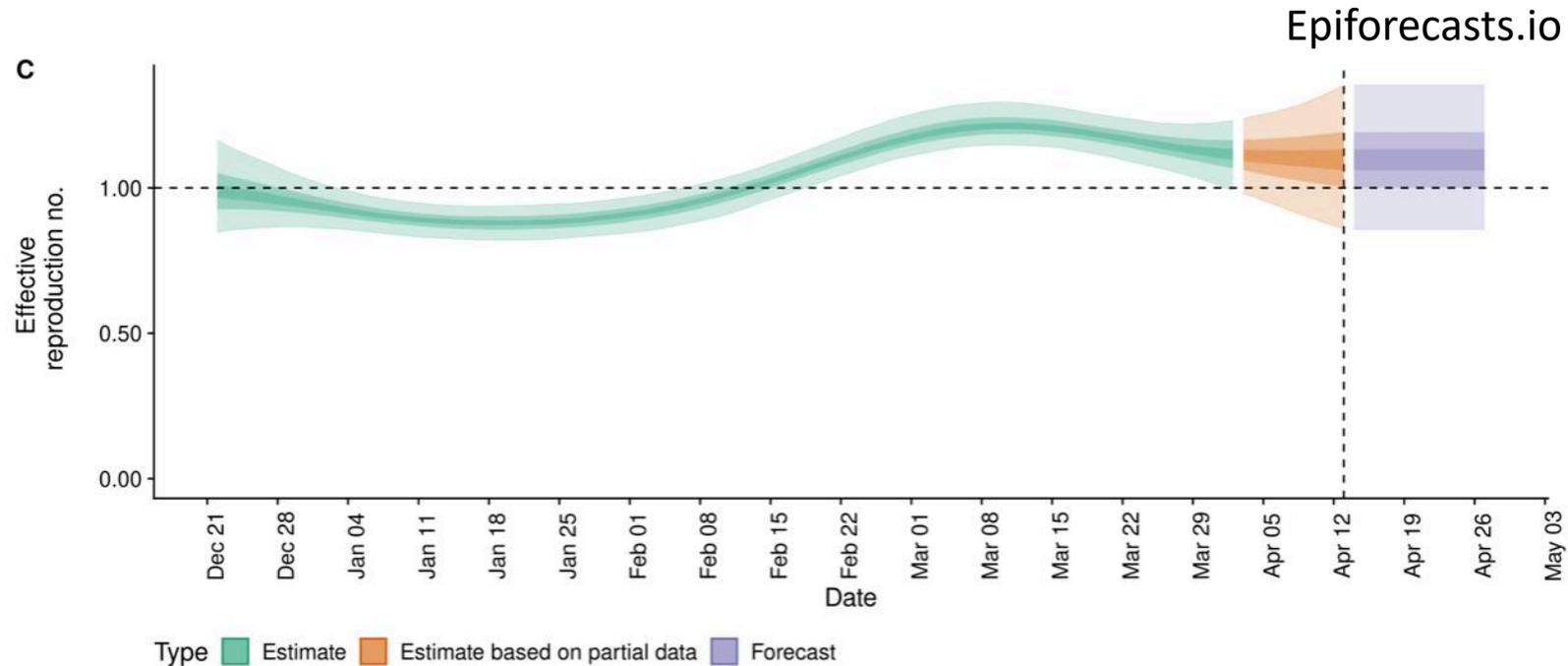# Rt estimates suggest slowing growth over the coming weeks with potential for plateau

- Rt estimates are ~1, which suggests plateau or slowed growth for the next couple of weeks
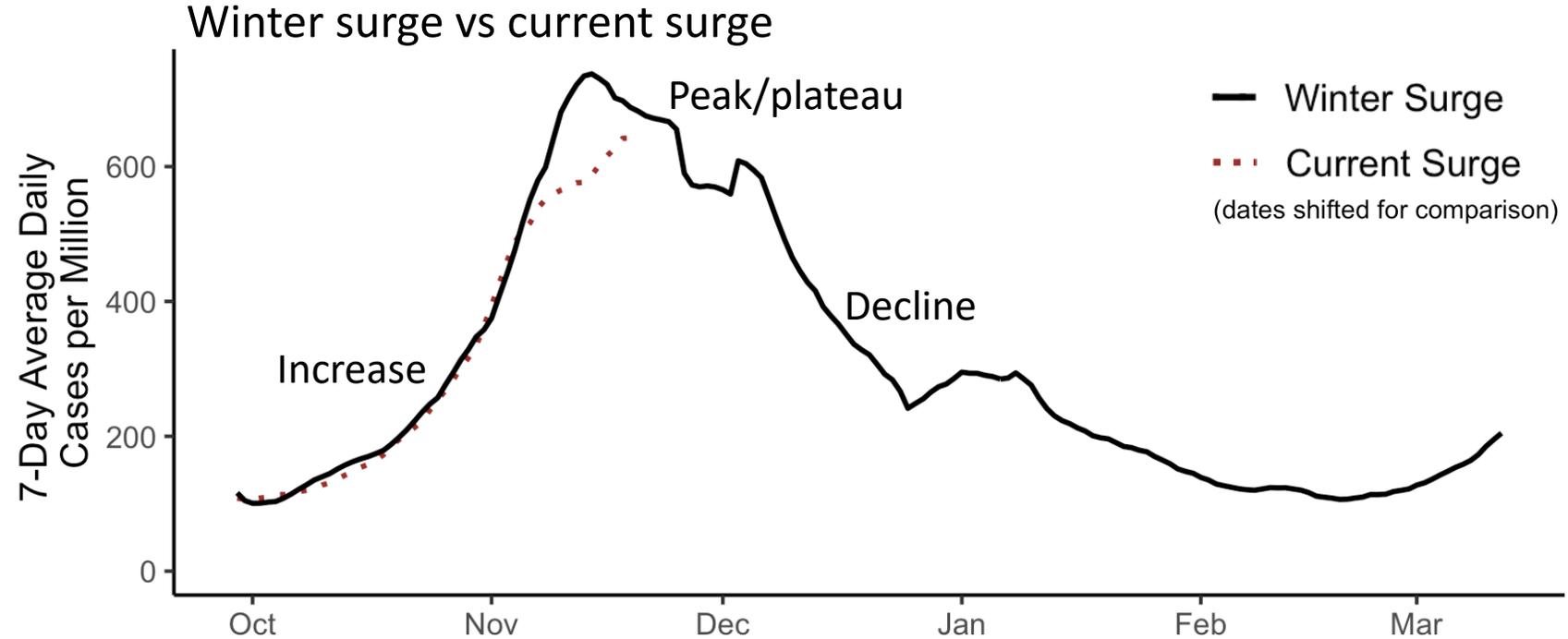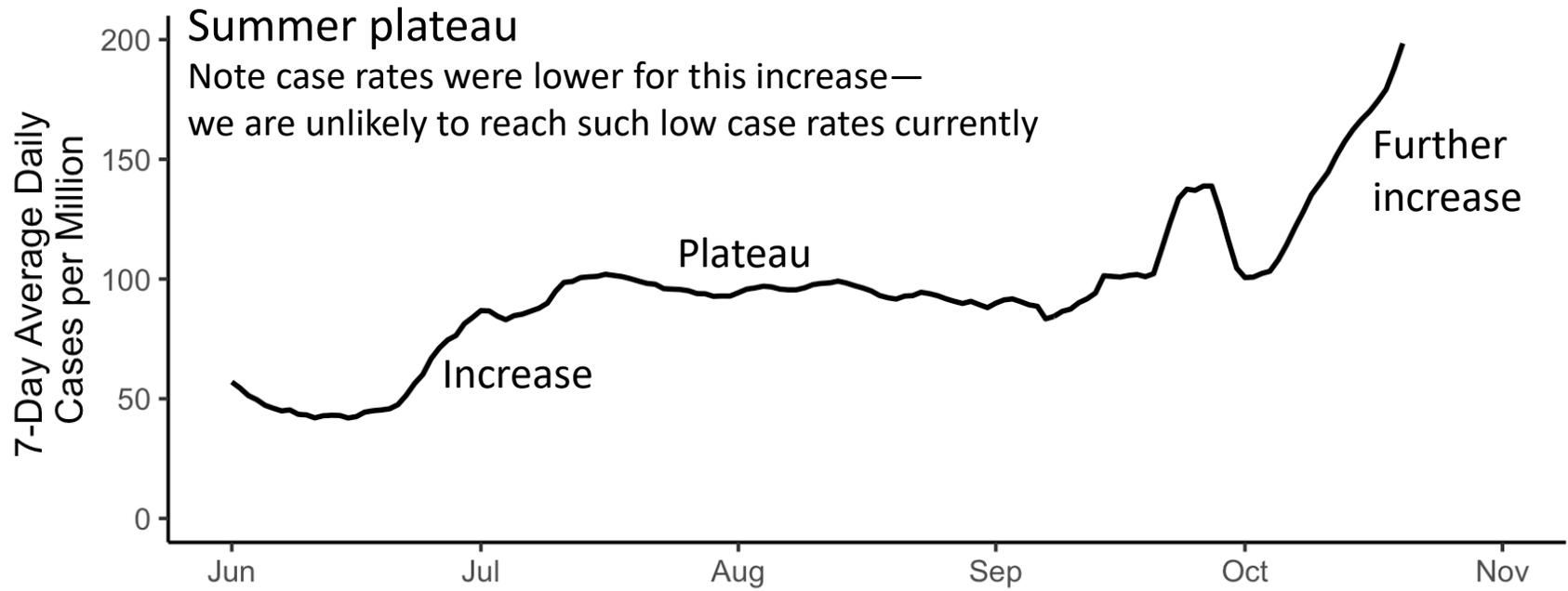
Effective Reproduction Number · R_t

0.92

c

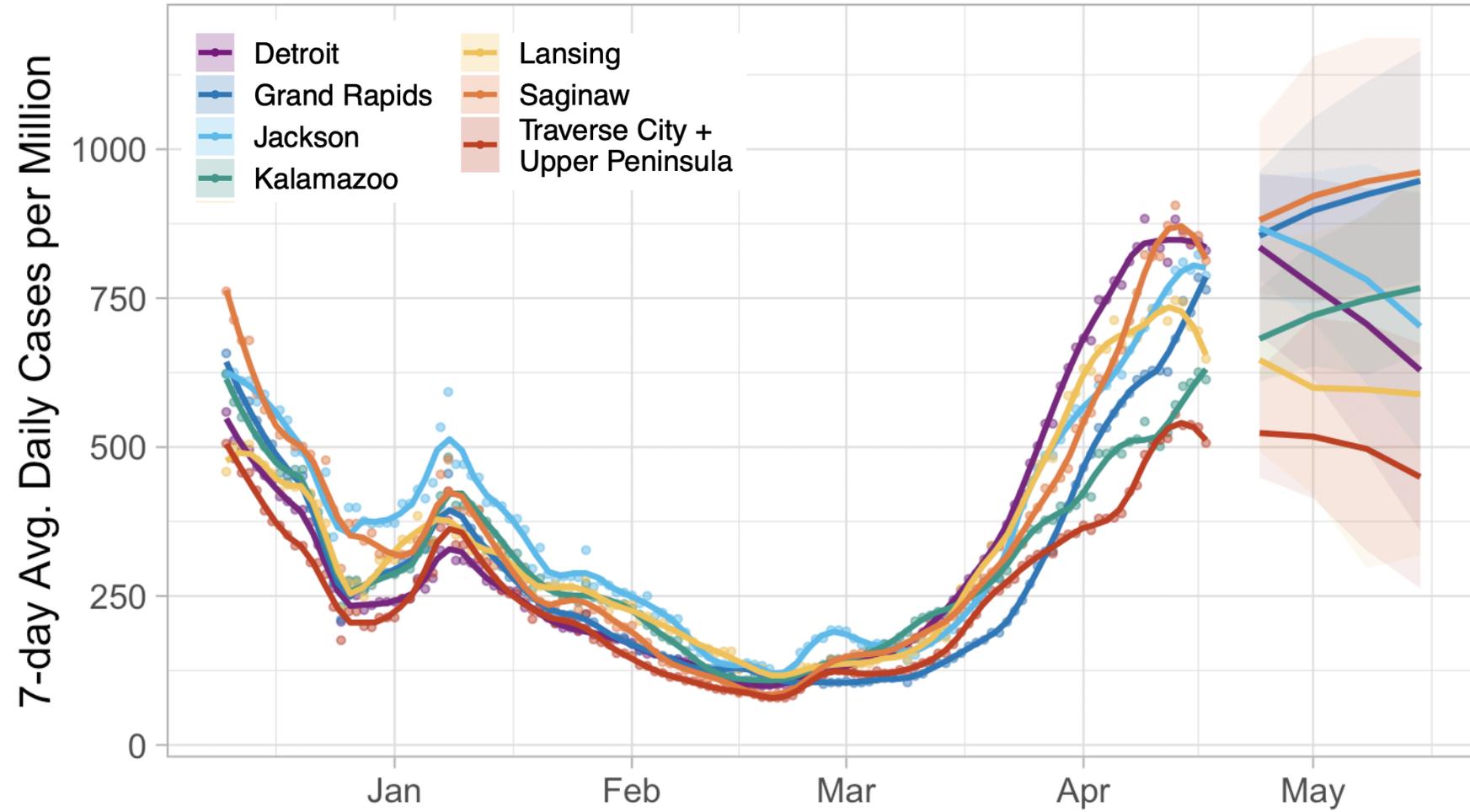Effective reproduction no.

Date

Type — Estimate — Estimate based on partial data — Forecast

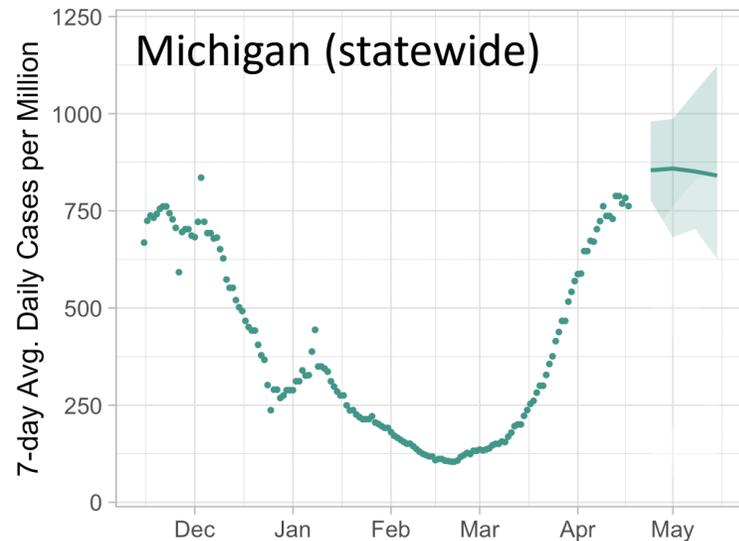# Previous increases have resolved in different ways

• Some plateaus and peaks have been followed by further increases, others by declines

Source: MDSS Data

Summer plateau
Note case rates were lower for this increase—
we are unlikely to reach such low case rates currently

7-Day Average Daily Cases per Million

Further increase

Plateau

Increase

Jun   Jul   Aug   Sep   Oct   Nov

Winter surge vs current surge

7-Day Average Daily Cases per Million

Peak/plateau

—— Winter Surge
· · · Current Surge
(dates shifted for comparison)

Decline

Increase

Oct   Nov   Dec   Jan   Feb   Mar

Ridge regression projections vary by region—some projected to plateau, others project slowed growth

- Confidence ranges for all regions include both plateaus and slowed growth

Michigan (statewide)

Line is the ridge regression model projection, and the shaded region represents the 95% confidence region (2.5% and 97.5% quantiles). Cases are plotted by report date.

COVID-19-Sim Model projects slowing growth through April/May followed by decline

- Assumes continued current interventions

- Confidence ranges range from a plateau and decline in the next couple of weeks to continued growth through May/June

Source: http://covid19sim.org

Number of new COVID-19 cases diagnosed each day in MI

— Estimated (diagnosed)   • Diagnosed