

COVID-19 Epi Update

3/30/20

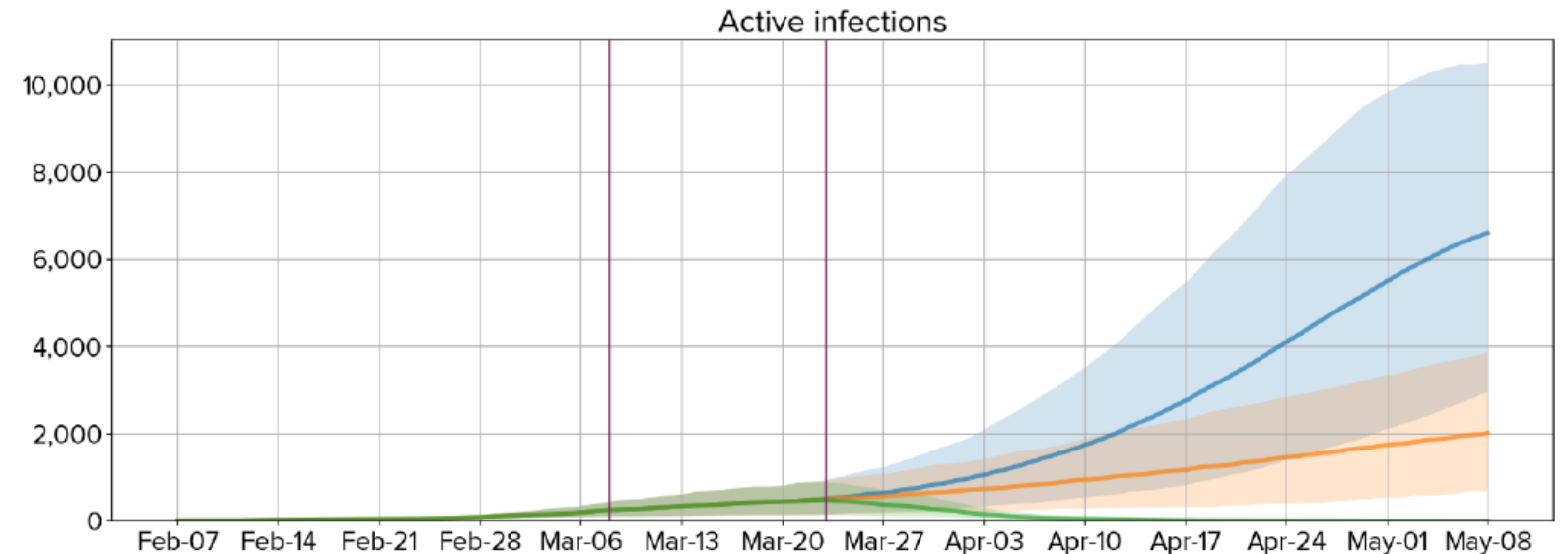
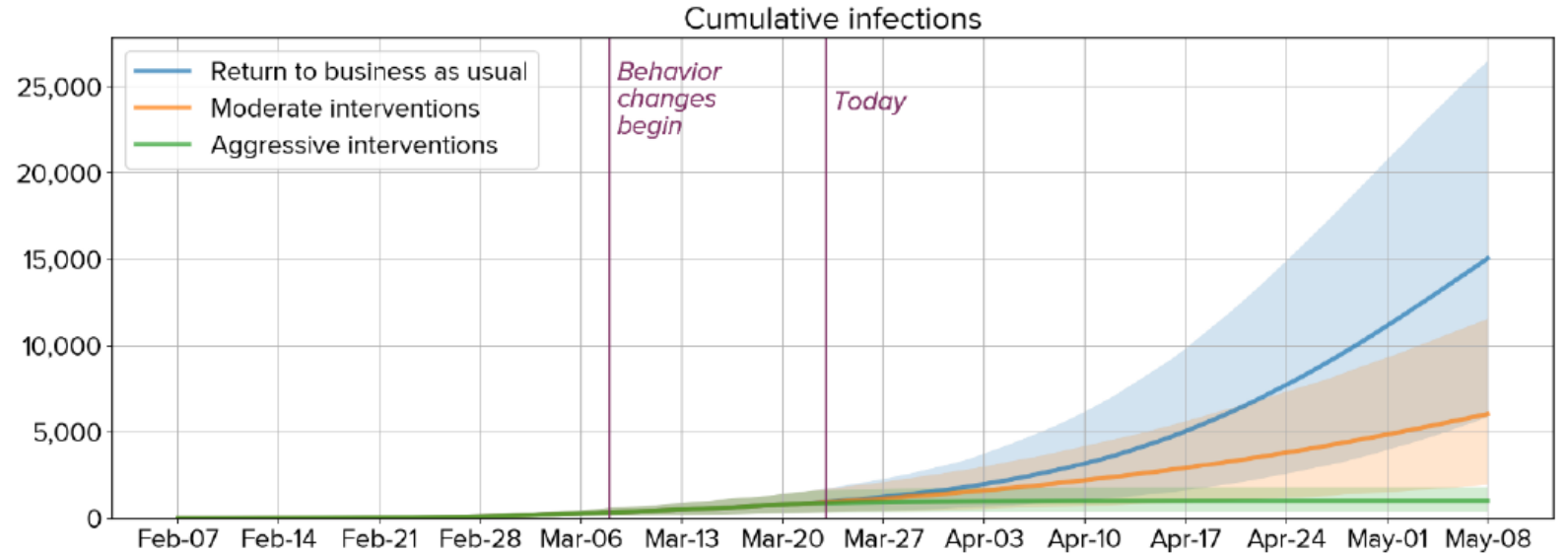
Current Status

State	Cases	Deaths (Fatality Pct)	Hospitalizations (Pct)	% Positive Tests
WA	4896	195 (4.0 %)	Not available	7.5%
OR	548	13 (2.4%)	129 (24%)	4.8%
ID	310	6 (1.9%)	39 (12.5%)	6.6%

Variable estimates of infections based on interventions defined as:

- Return to business as usual = lifting of all restrictions
- Moderate Interventions = school closures and ban on large public gatherings
- Aggressive Interventions = Stay home, Save lives

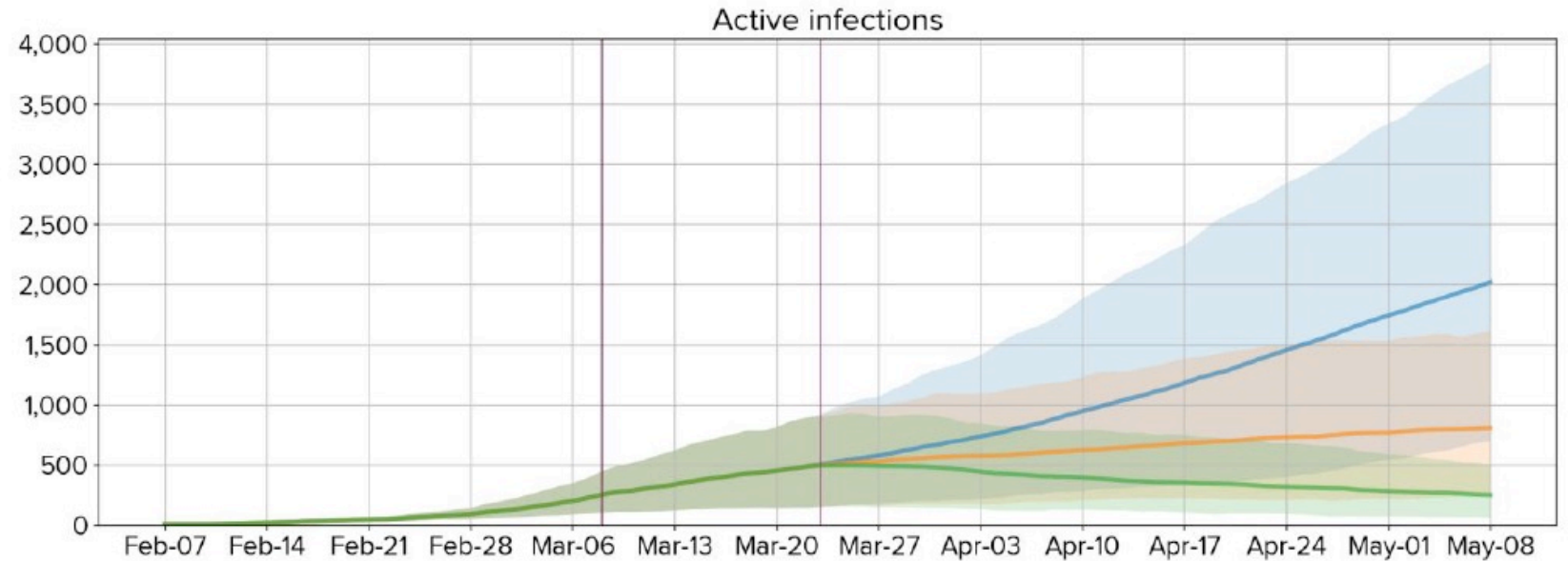
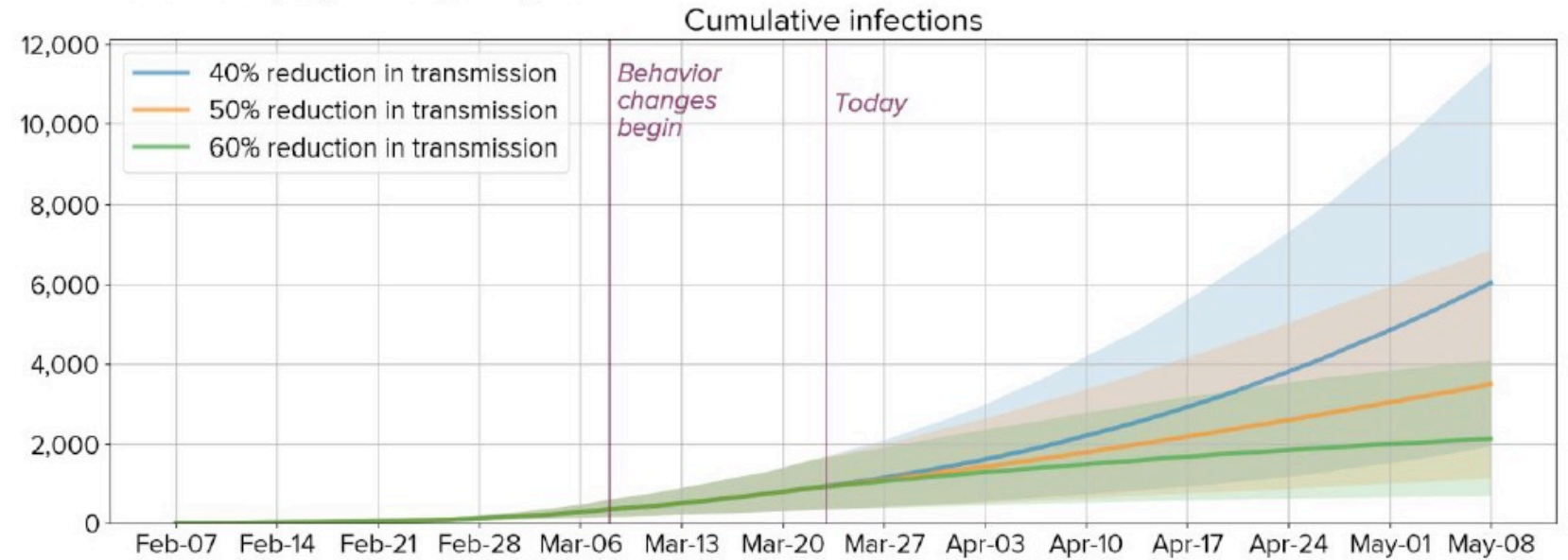
COVID-19 projections, Oregon



COVID-19 projections, Oregon

Under the current conditions (Aggressive Interventions), need high compliance to achieve 60% reduction in transmission to be ultimately successful in decreasing the number of new infections through May 8.

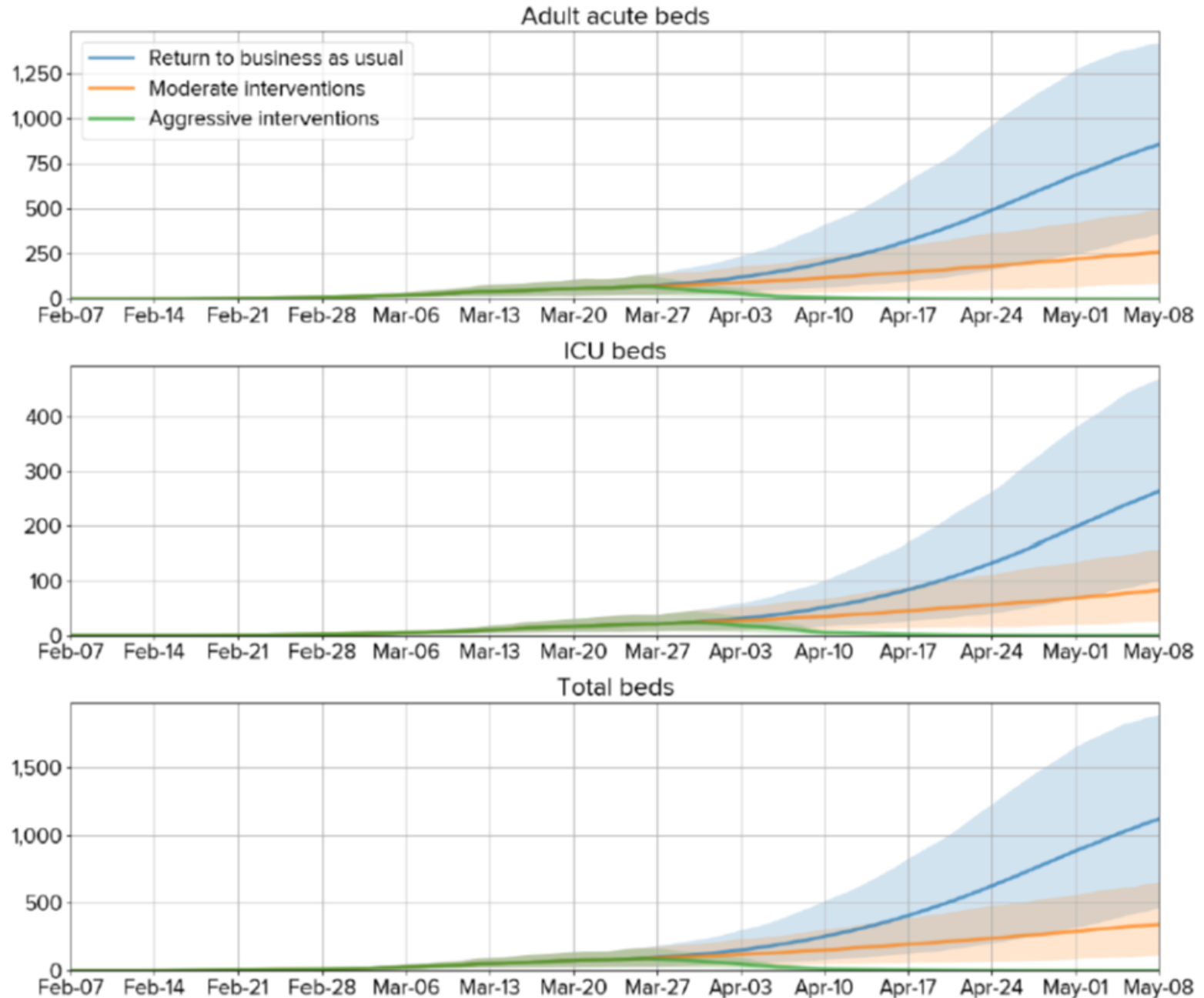
Less than 60% reduction in transmission will lead to cases still increasing by May 8.



Oregon Hospital Capacity	
Available adult ICU Beds	283
Available adult Non-ICU Beds	2099
Available Pediatric Beds	189
Available ICU Ped. Beds	68
Available Ventilators	746
COVID-19 Admissions	107
COVID-19 Patients on Ventilator	31

Oregon Health Authority

Oregon bed and ICU capacity is predicted to be adequate under moderate and aggressive interventions but will be surpassed by May 8 if return to business as usual.

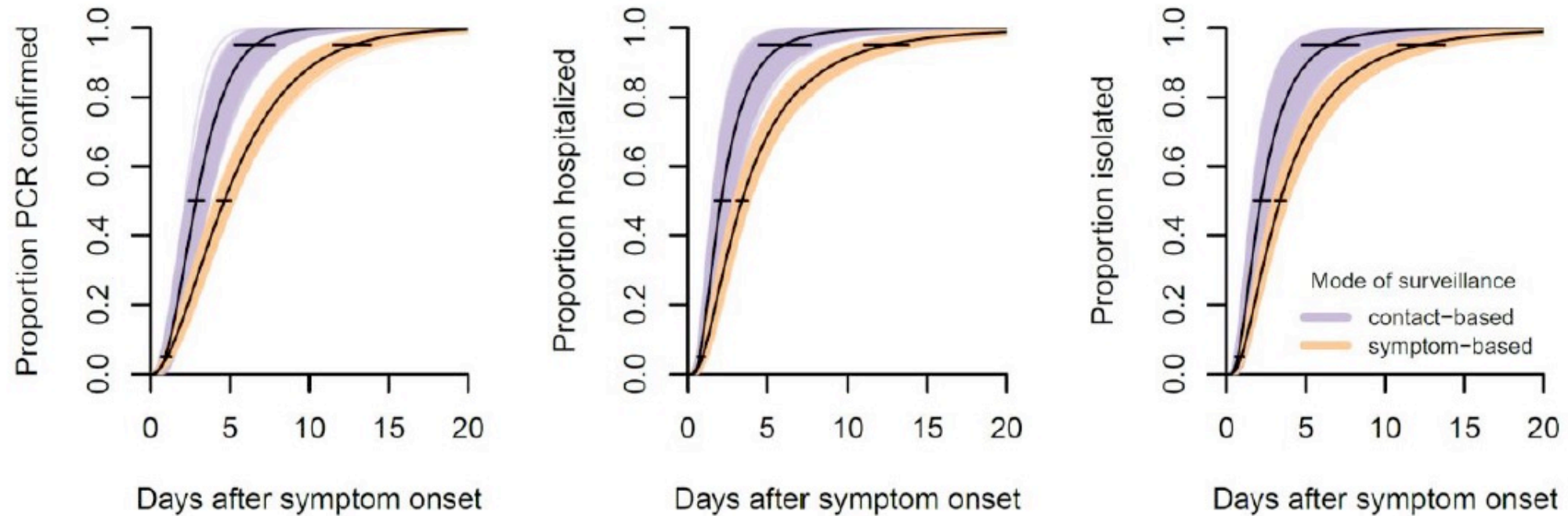


An alternative severity model

IHME COVID-19 health service utilization forecasting team. Forecasting COVID-19 impact on hospital bed-days, ICU-days, ventilator days and deaths by US state in the next 4 months. MedRxiv. 26 March 2020. <http://covid19.healthdata.org/>

State	Stay Home	Schools Closed	Non-Essential Services Closed	Travel Limitation	Days to Peak Resource Use
WA	3/23	3/13	3/25	Not Yet	25
OR	3/23	3/16	Not Yet	Not Yet	34
ID	3/25	Not yet	3/25	Not Yet	13

Value of case identification, contact tracing and isolation



Time between symptom onset and (A) SARS-CoV-2 confirmation, (B) hospitalization and (C) isolation among cases detected by contact-based and symptom-based surveillance