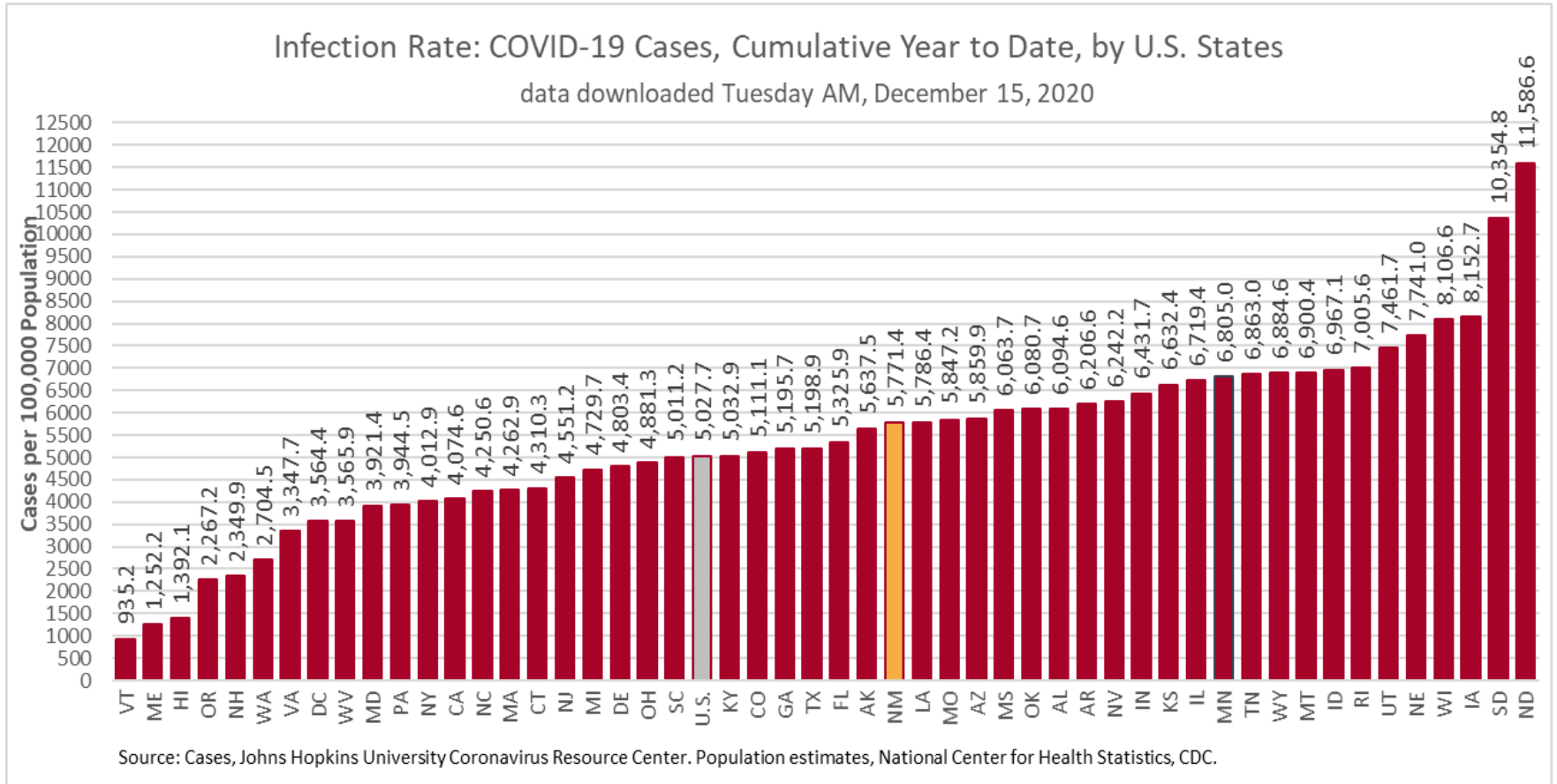


# COVID-19 in New Mexico: Epidemiologic and Modeling Update

December 15, 2020

# New Mexico has the 24<sup>th</sup> highest number of cases per 100,000 population in the United States

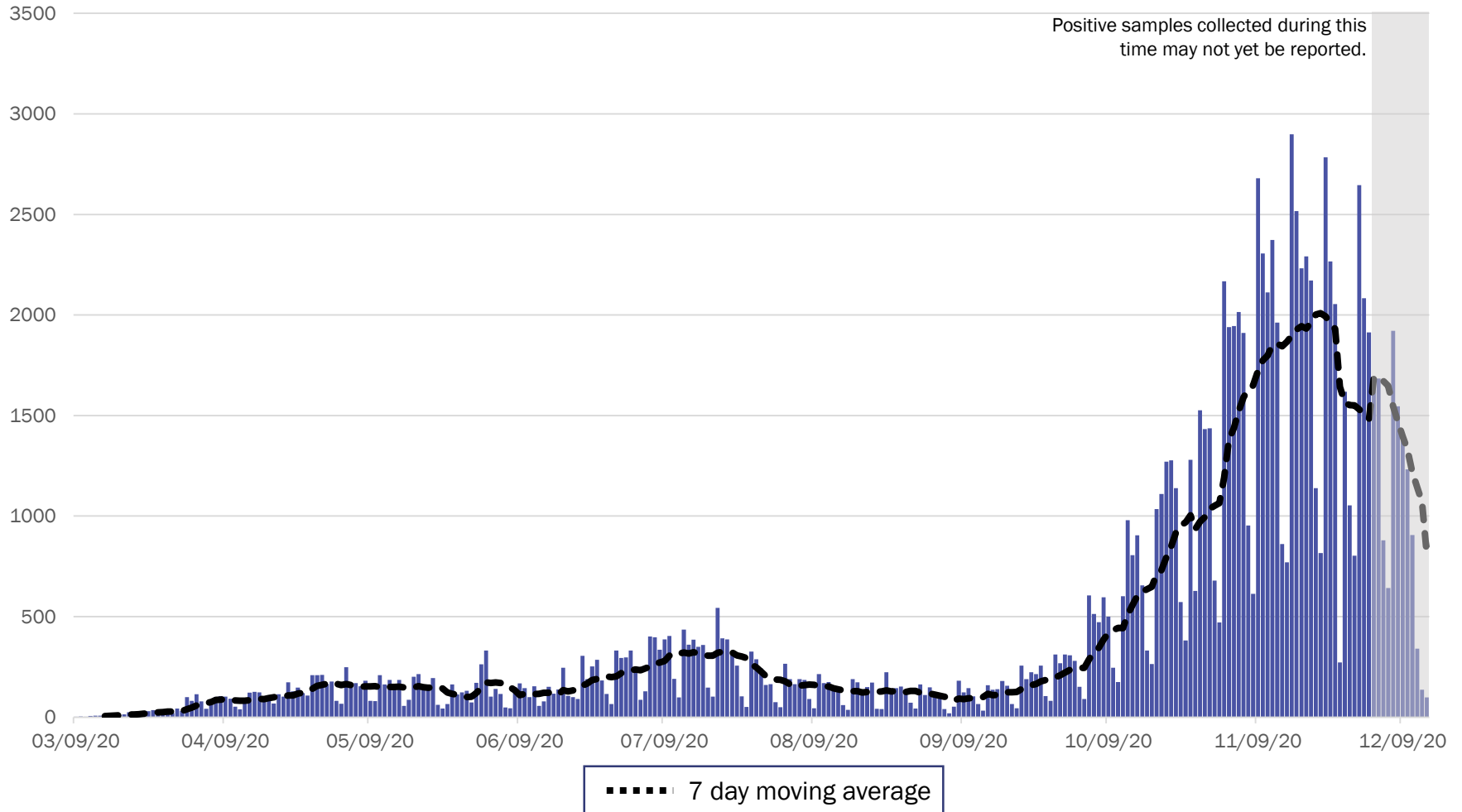


Note: Data updated 12/15/2020 and downloaded from <https://coronavirus.jhu.edu/>. For interstate comparisons, estimated rates include cases in state and federal detention centers. Rates are not age-adjusted due to a lack of age-specific case counts across states.



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# New Mexico COVID-19 Cases by Date of Specimen Collection – December 15, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.15.2020, New Mexico Department of Health.

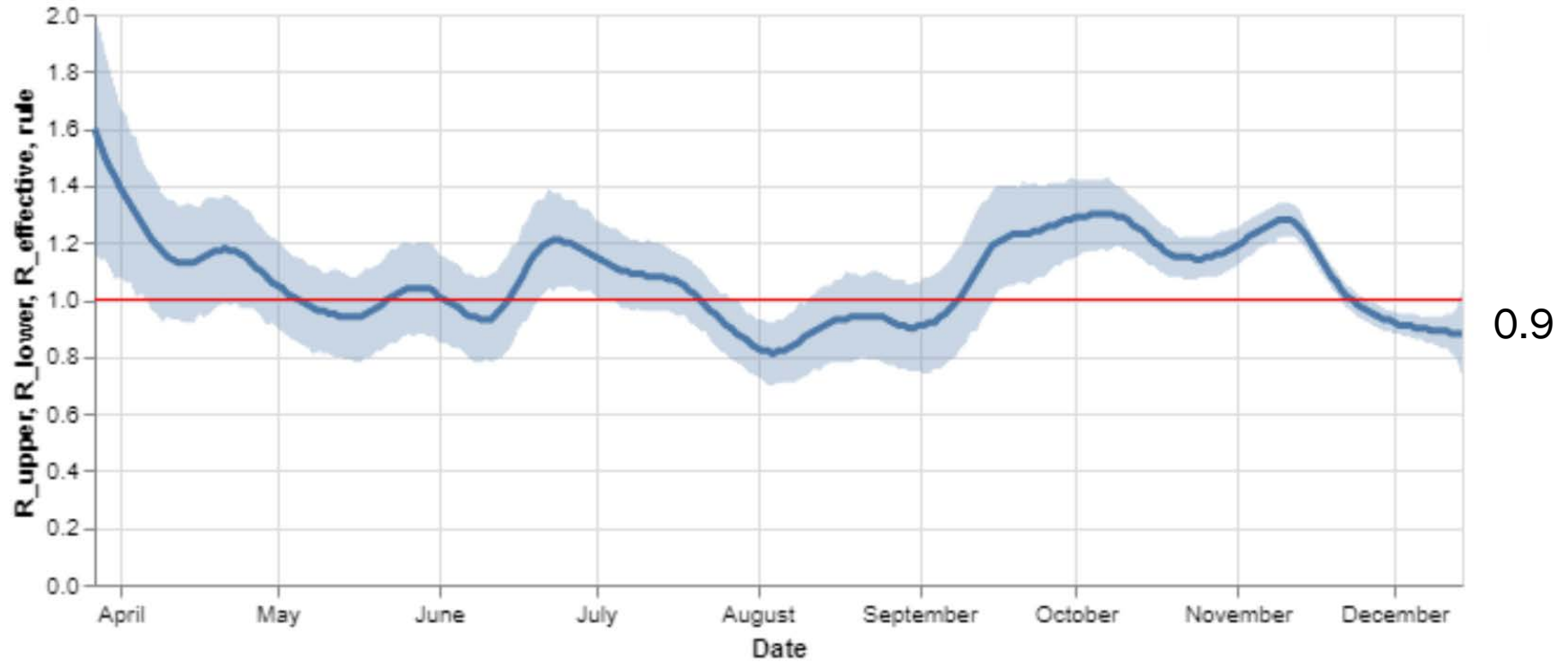


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# Statewide R-effective has increased slightly to 0.9.

## R\_effective over time, STATE



0.9

Courtesy of Presbyterian Healthcare Services – December 15, 2020.

**Key**

Low Level Endemic  
**<1.0**

Approaching Low  
Level Endemic  
**1.0**

Requiring further  
mitigation **>1.0**

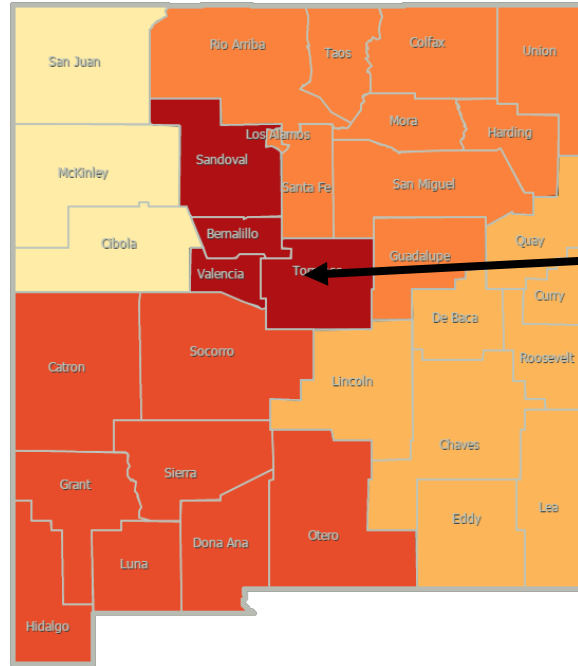
**Northwest**  
**R\_effective 0.9 ↑**

**Northeast**  
**R\_effective 1.0 ↑**

**Metro**  
**R\_effective 0.8 =**

**Southwest**  
**R\_effective 0.8 =**

**Southeast**  
**R\_effective 0.9 ↑**



As of December 8, 2020

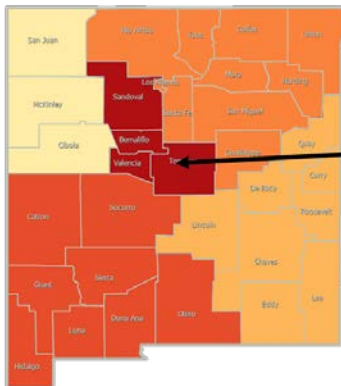
**Northwest**  
**R\_effective 0.8 ↓**

**Northeast**  
**R\_effective 0.8 ↓**

**Metro**  
**R\_effective 0.8 ↓**

**Southwest**  
**R\_effective 0.8 ↑**

**Southeast**  
**R\_effective 0.8 ↓**



Region	R-effective	95% Confidence Interval
State	0.9	[0.7, 1.0]
Metro	0.8	[0.6, 1.1]
Northeast	1.0	[0.5, 1.4]
Northwest	0.9	[0.6, 1.3]
Southeast	0.9	[0.5, 1.3]
Southwest	0.8	[0.3, 1.3]

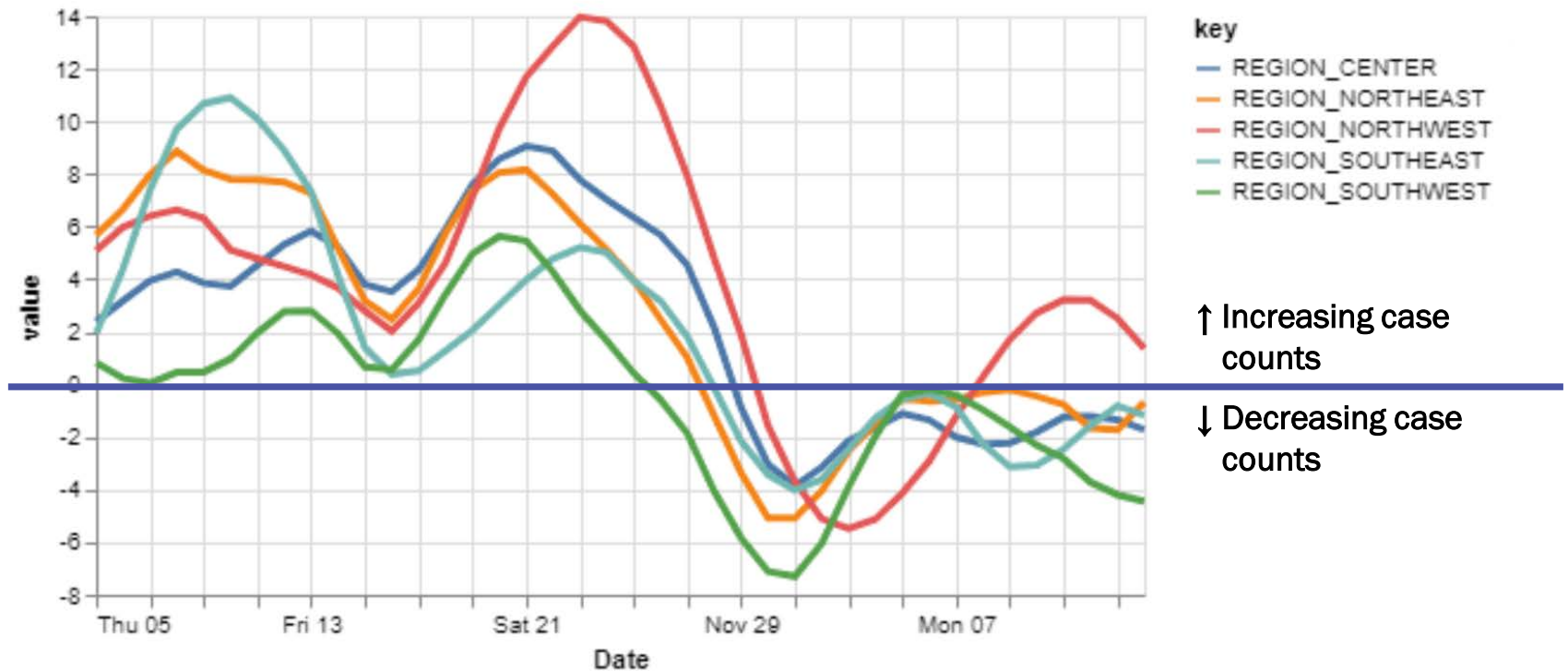
Courtesy of Presbyterian Healthcare Services – December 15, 2020.



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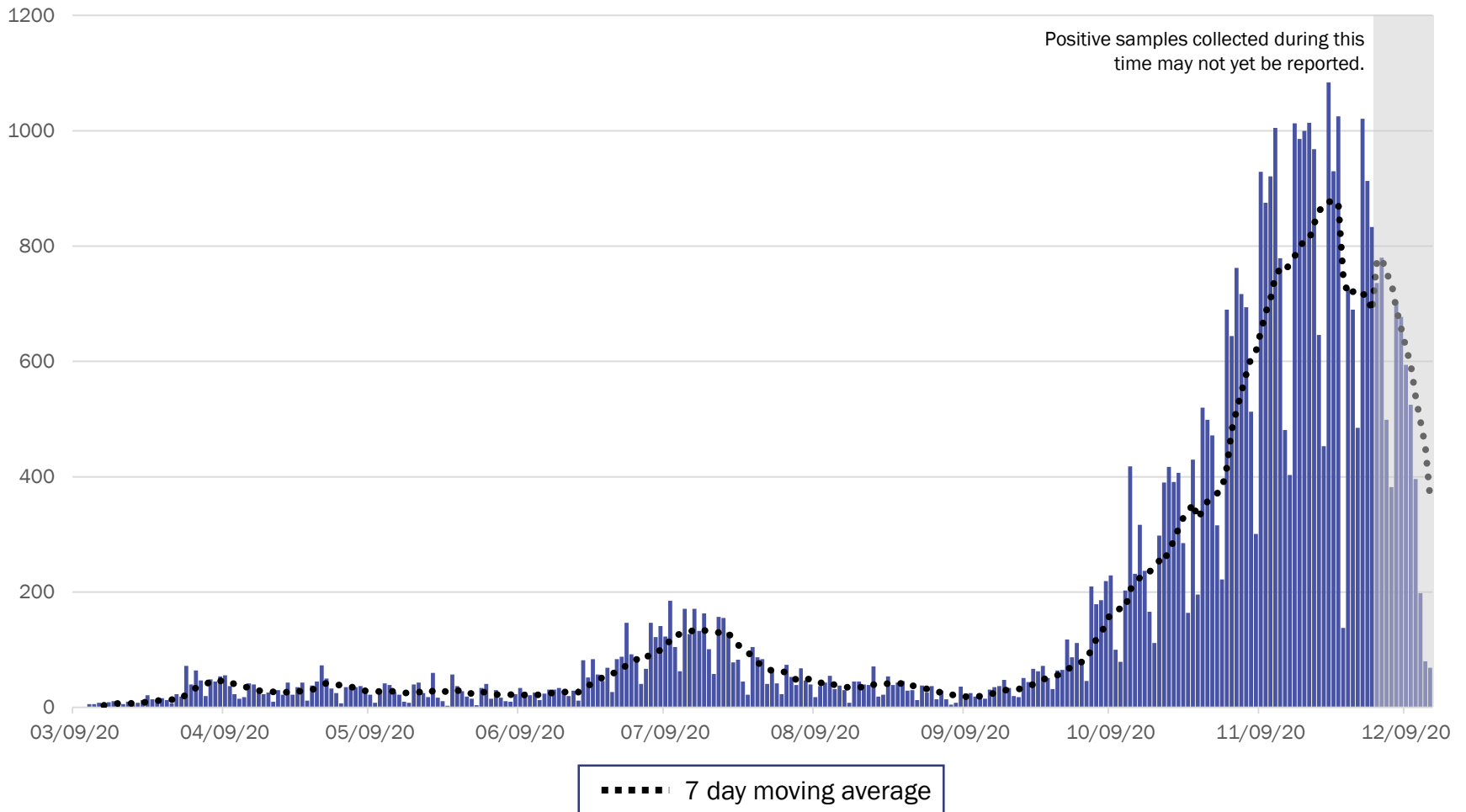
# Four of the five regions have growth rates less than 0.

## 14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – December 15, 2020.

# Metro Region Case Count by Collection Date with 7 Day Moving Average December 15, 2020



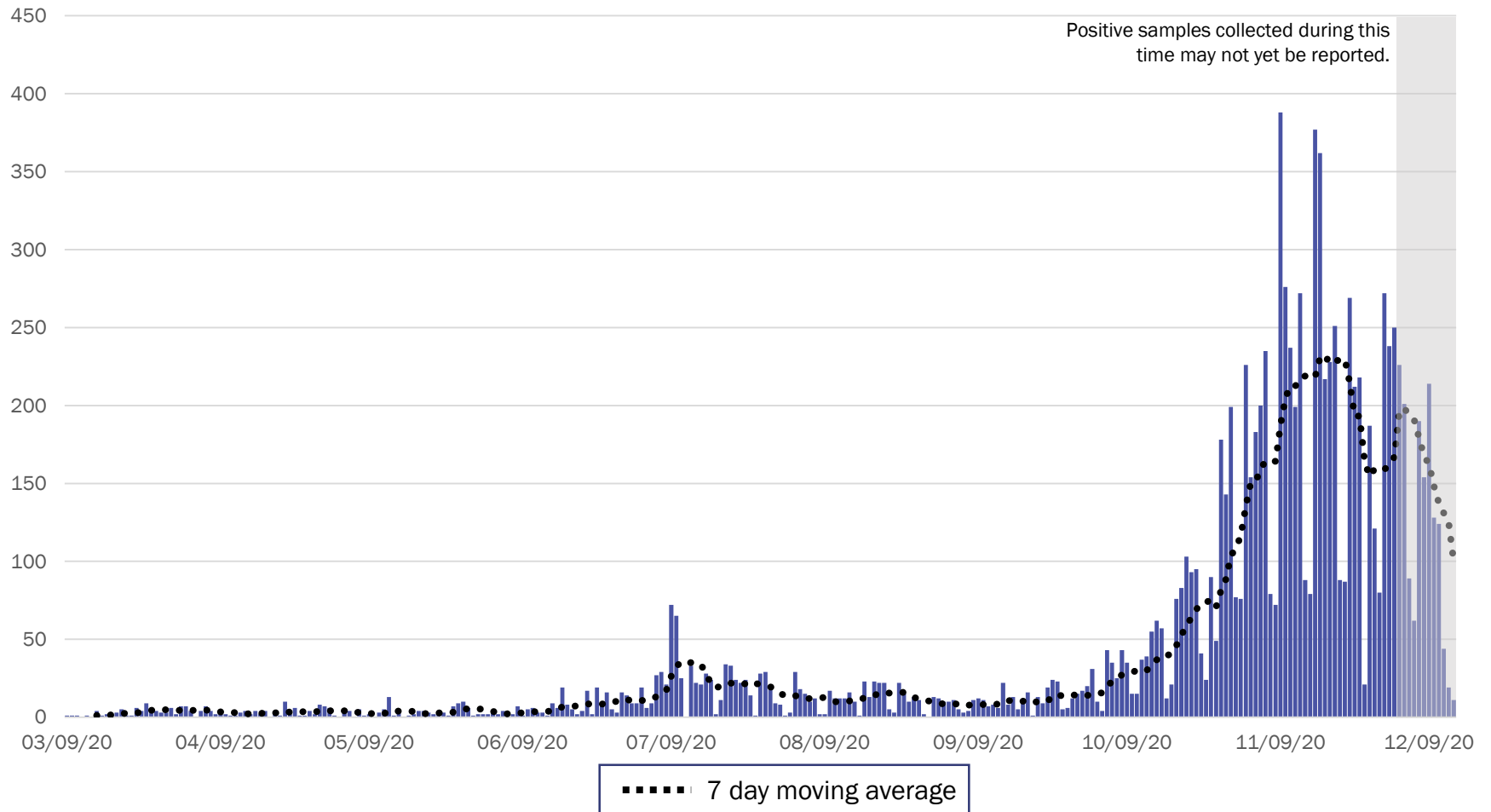
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.15.2020, New Mexico Department of Health.



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# Northeast Region Case Count by Collection Date with 7 Day Moving Average December 15, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.15.2020, New Mexico Department of Health.

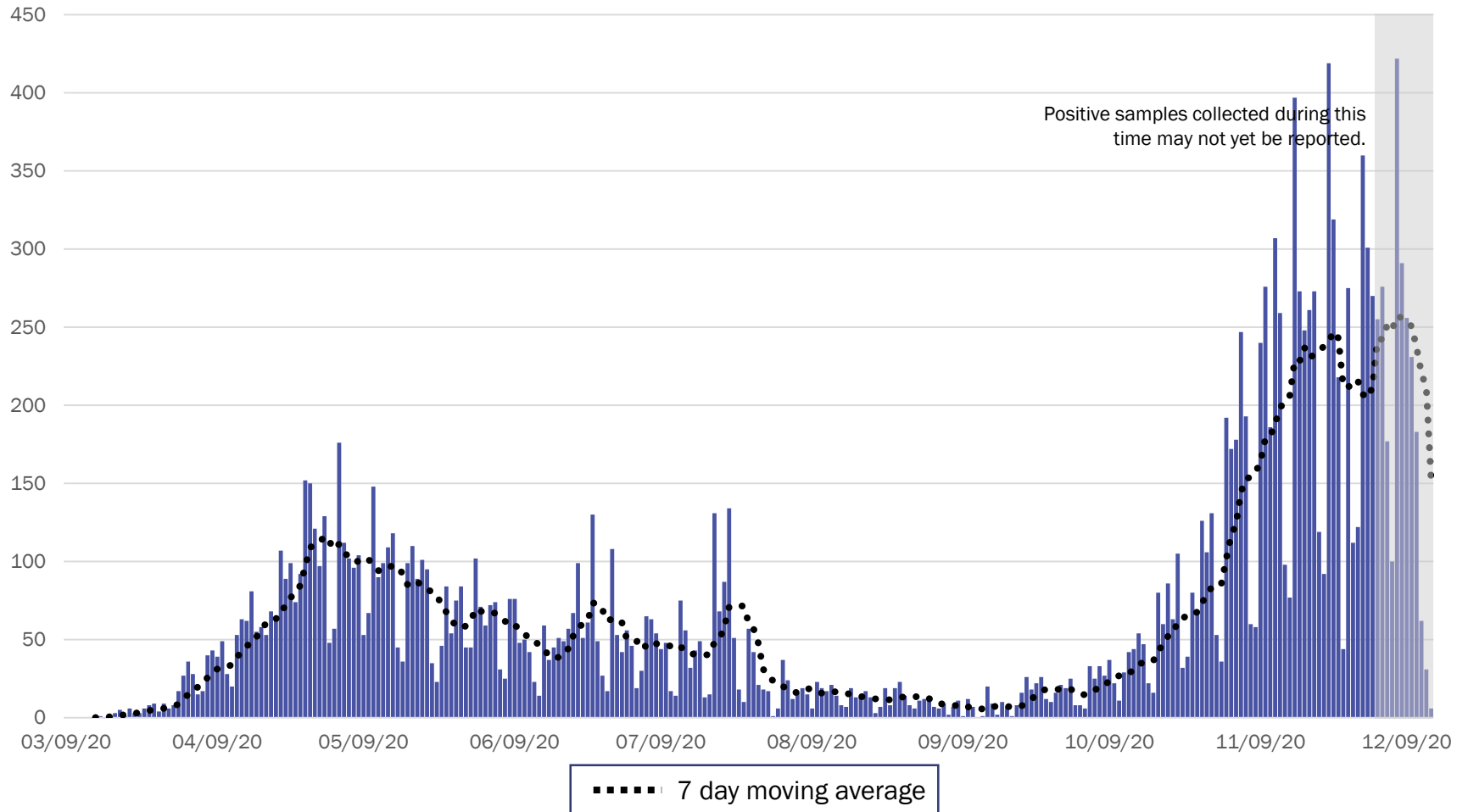


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# Northwest Region Case Count by Collection Date with 7 Day Moving Average December 15, 2020



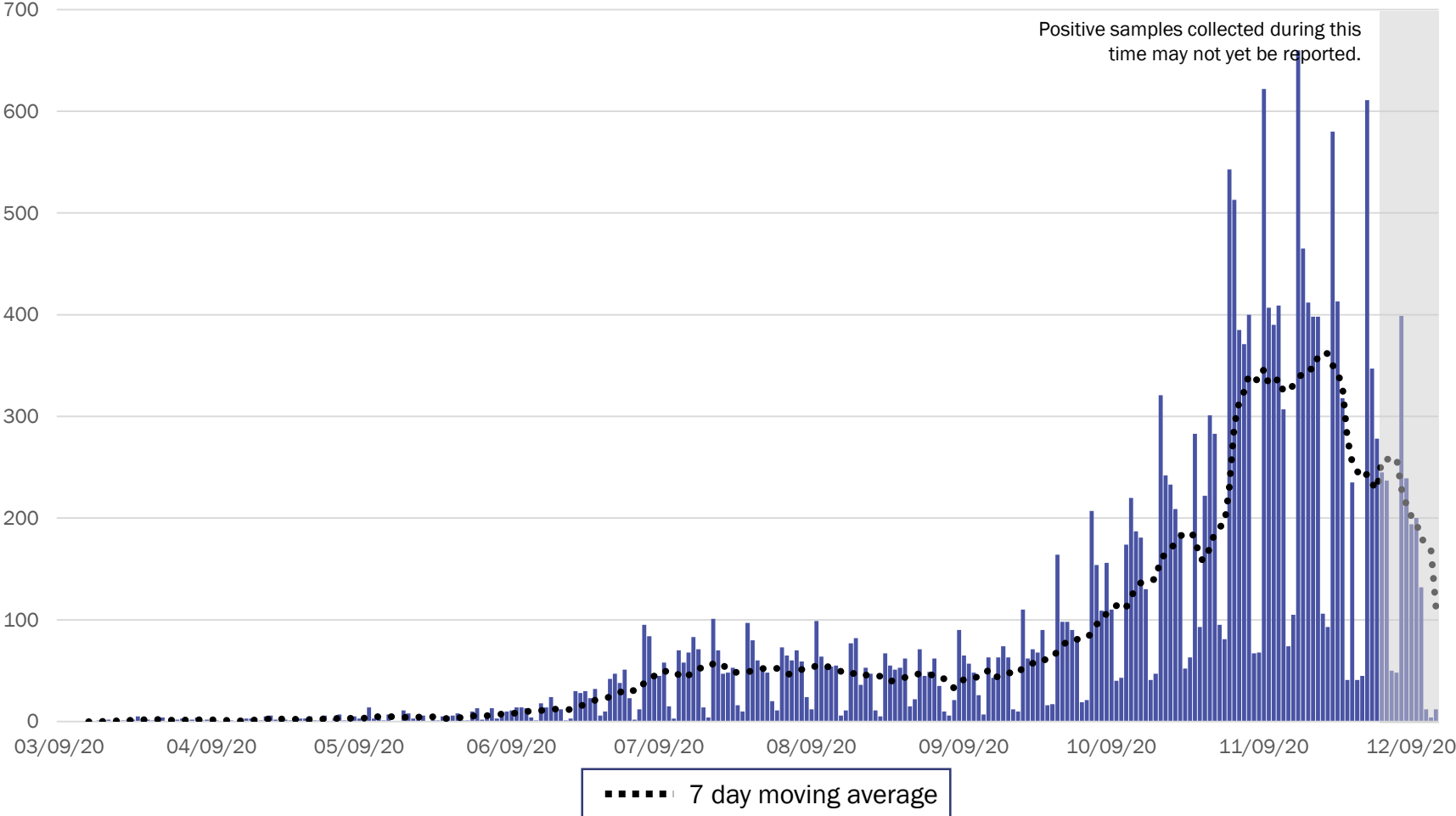
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.15.2020, New Mexico Department of Health.



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# Southeast Region Case Count by Collection Date with 7 Day Moving Average December 15, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.15.2020, New Mexico Department of Health.

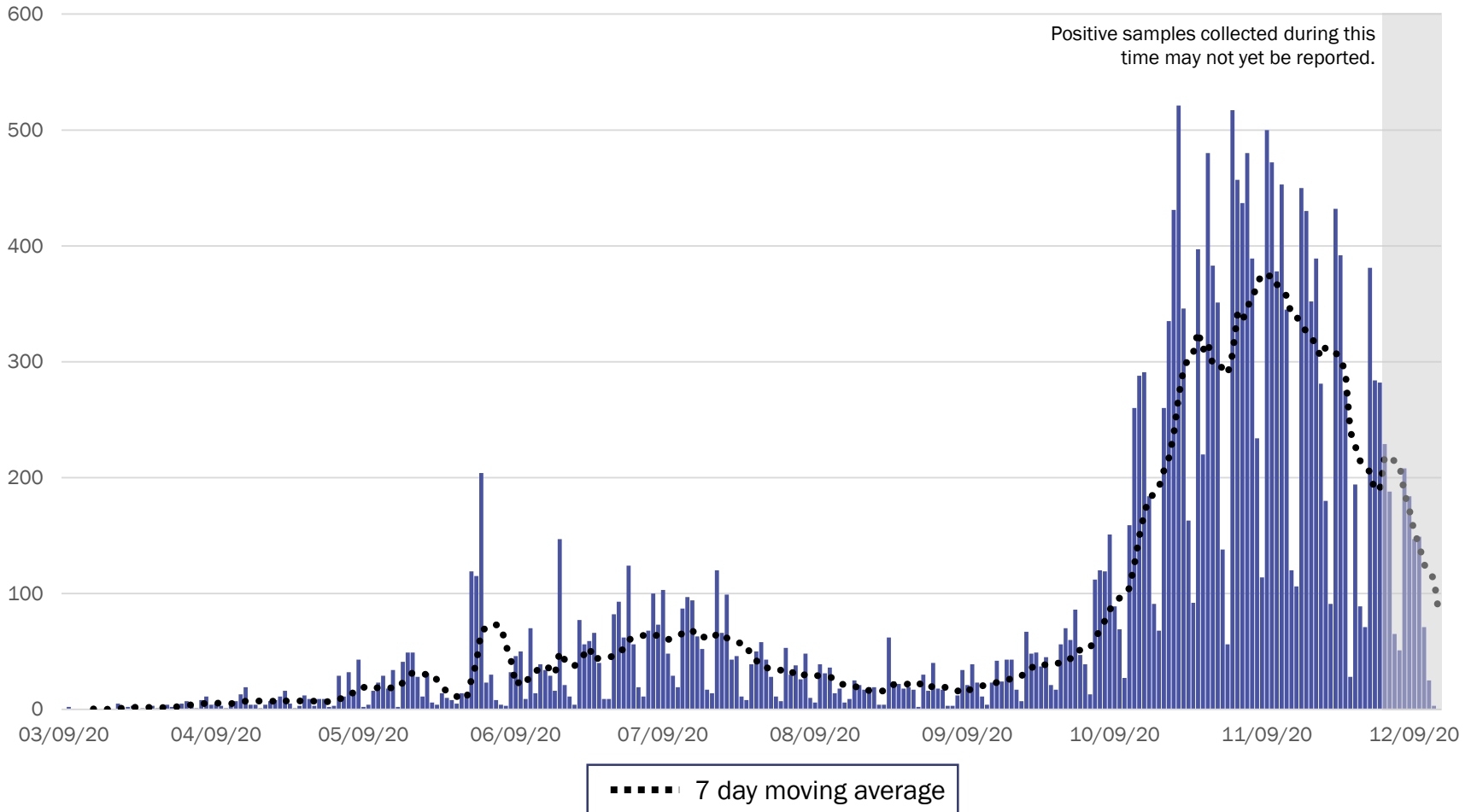


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# Southwest Region Case Count by Collection Date with 7 Day Moving Average December 15, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.15.2020, New Mexico Department of Health.

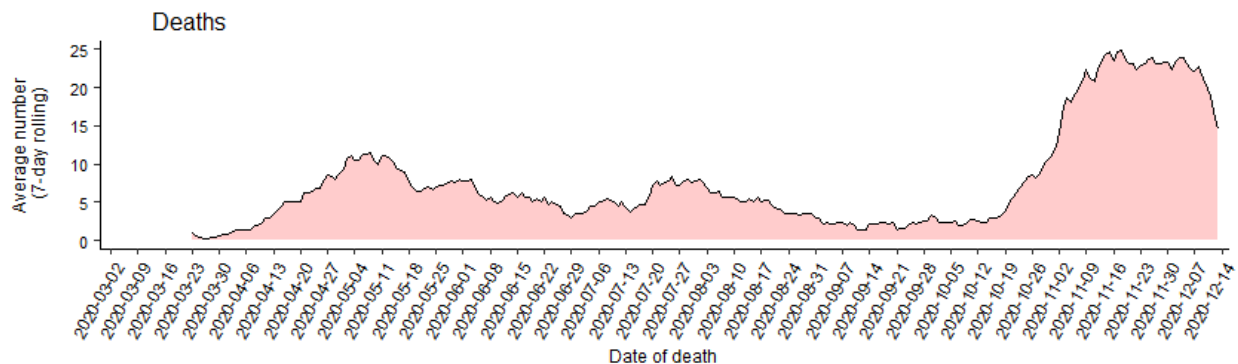
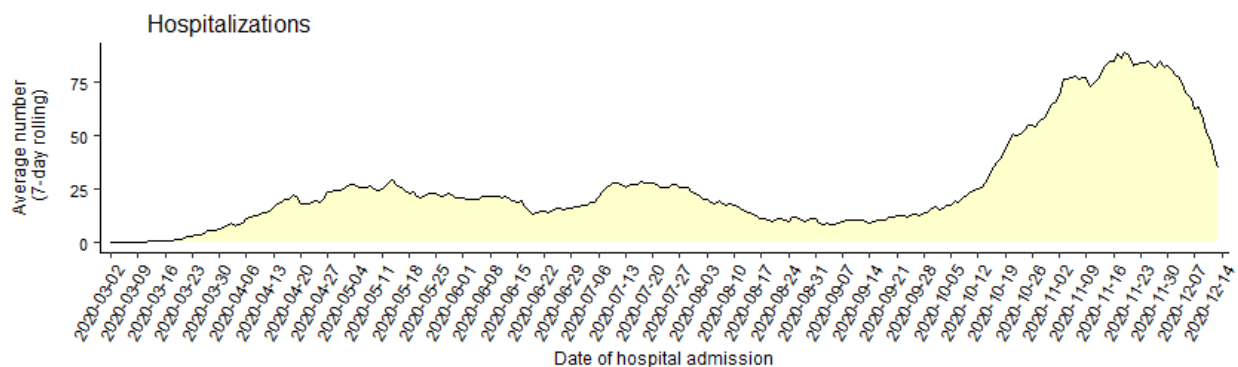
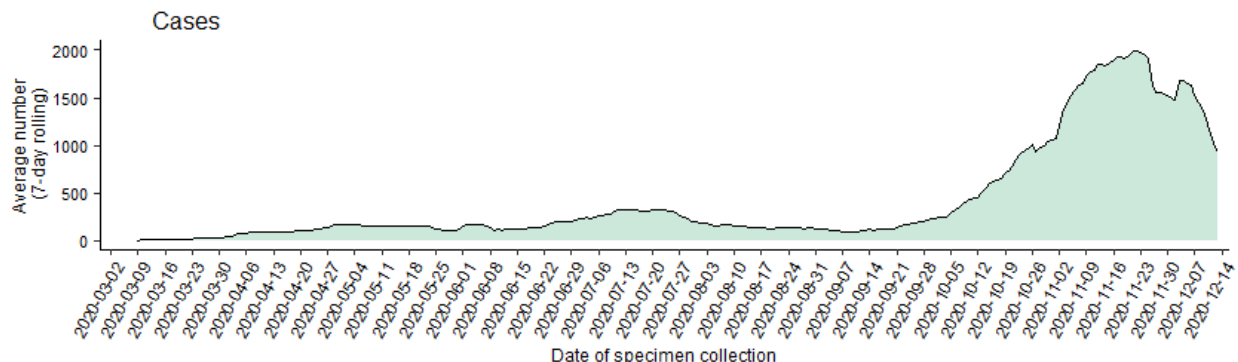


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# Average number (7-day rolling average) of cases, hospitalizations, and deaths over time



Note: Cases, hospitalizations, and deaths may not yet be reported in the last 7-14 days.

As of 12/14/20

# New Mexico Status Updates

- Case count: Statewide, the daily case counts may be decreasing, but this should be interpreted cautiously in the face of high percent positivity.
- Hospitalizations: Hospitalizations are remain high.
- Deaths: Weekly COVID-19 deaths remain high.

For more information, please visit the [Epidemiology Reports](https://cv.nmhealth.org/epidemiology-reports/) page on the NMDOH COVID-19 website: <https://cv.nmhealth.org/epidemiology-reports/>

# Supplementary Slides

# Modeling Assumptions

Variable	Measured Value	Value as of 12.15.2020
R_Effective	Actual Measured Daily Value by key county	R_eff=0.9
Positive Test Multiplier	Calculated by LANL	2.4
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.45% ICU 0.18% Vent Rate 65% of ICU Crude Case Fatality Rate 2.4%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days