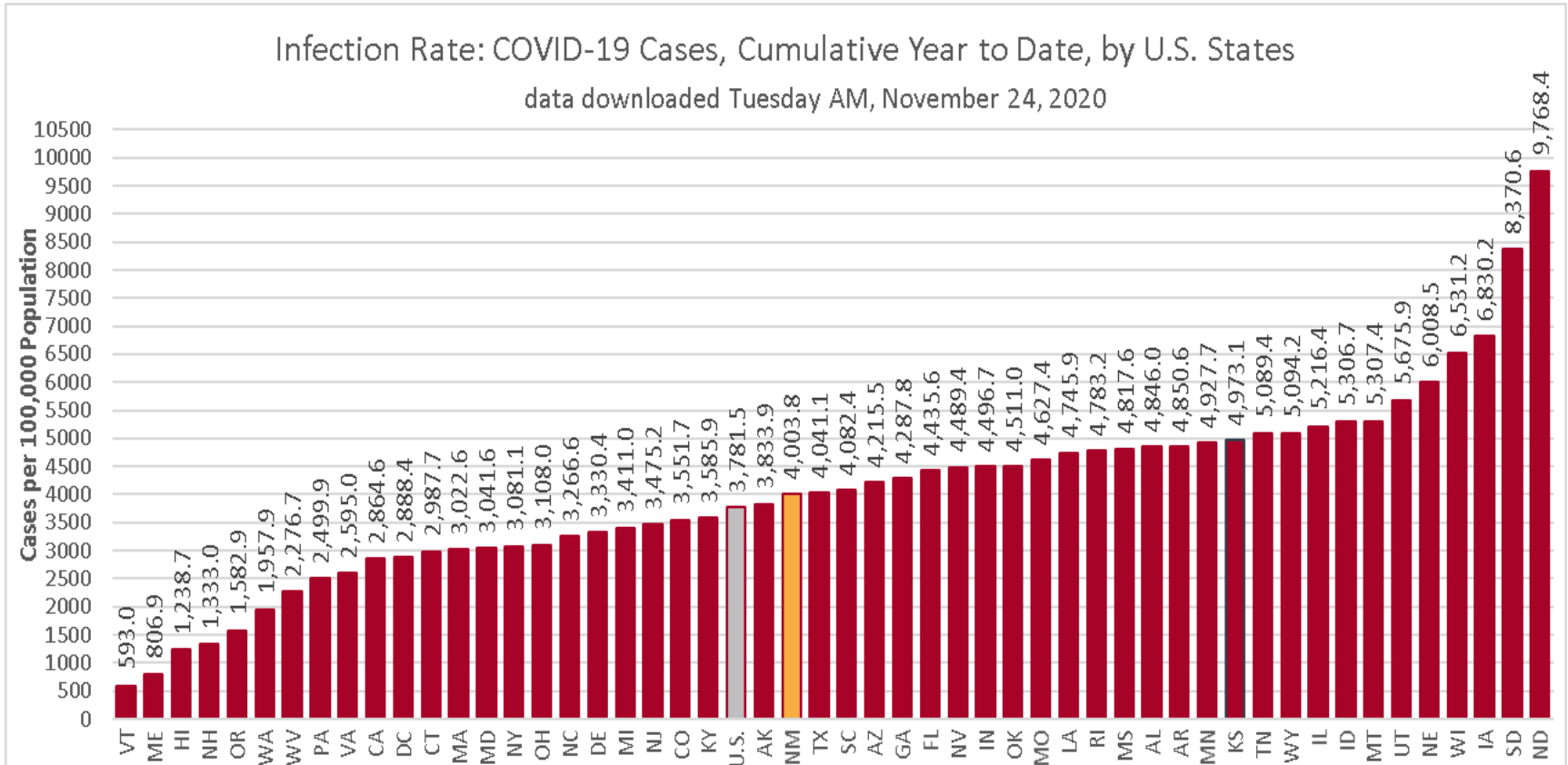


# COVID-19 in New Mexico: Epidemiologic and Modeling Update

November 24, 2020

# New Mexico has the 28<sup>th</sup> highest number of cases per 100,000 population in the United States



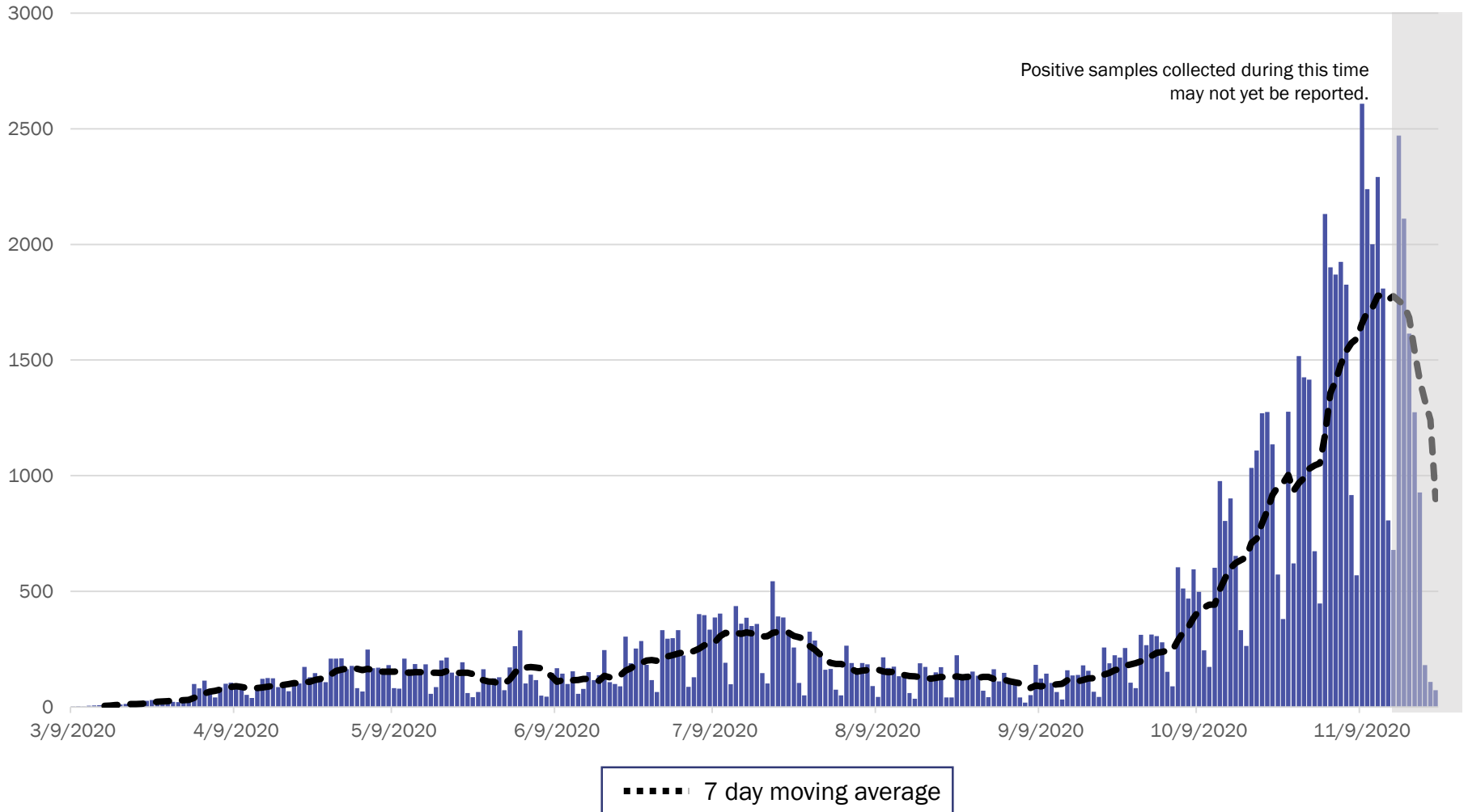
Source: Cases, Johns Hopkins University Coronavirus Resource Center. Population estimates, National Center for Health Statistics, CDC.

Note: Data updated 11/24/2020 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 – November 24, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.24.2020, New Mexico Department of Health.

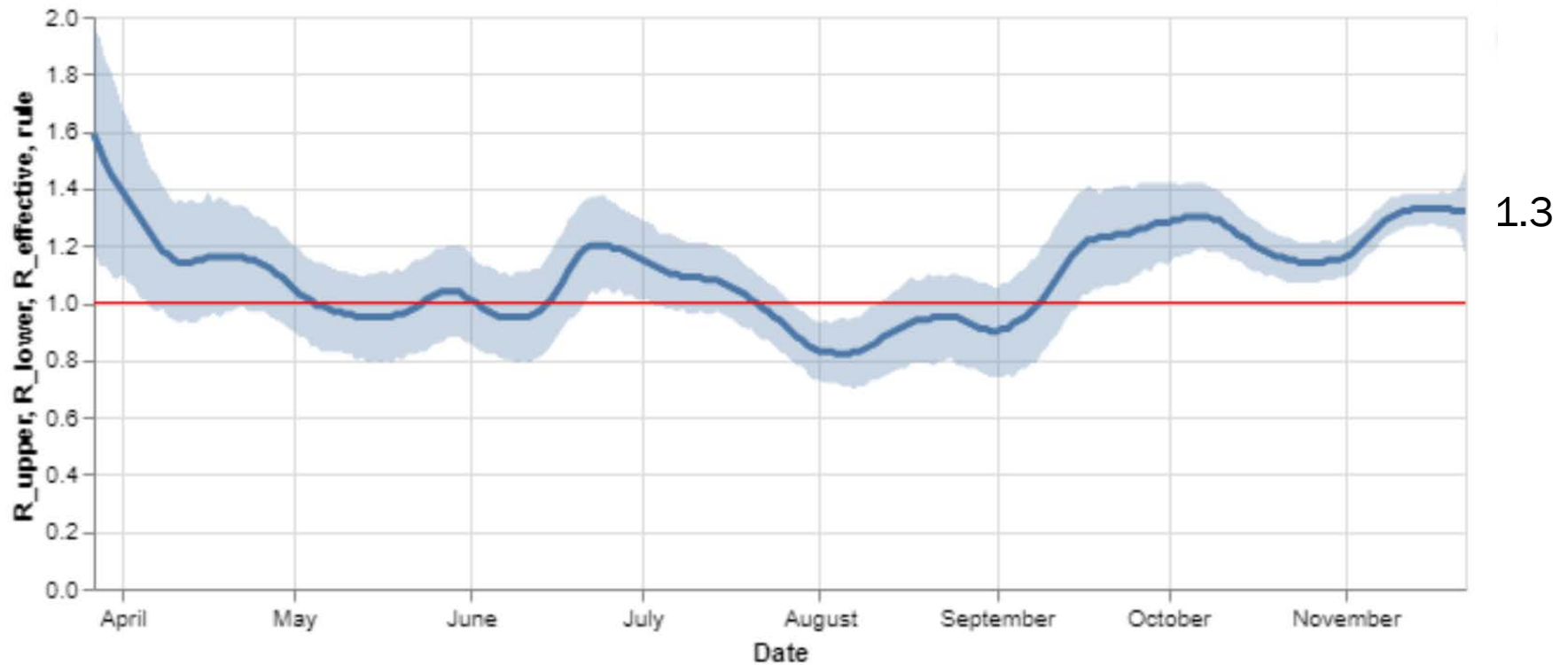


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# Statewide R-effective has increased to 1.3

## R\_effective over time, STATE



Courtesy of Presbyterian Healthcare Services – November 23, 2020.

**Key**

Low Level Endemic  
**<1.0**

Approaching Low Level Endemic  
**1.0**

Requiring further mitigation  
**>1.0**

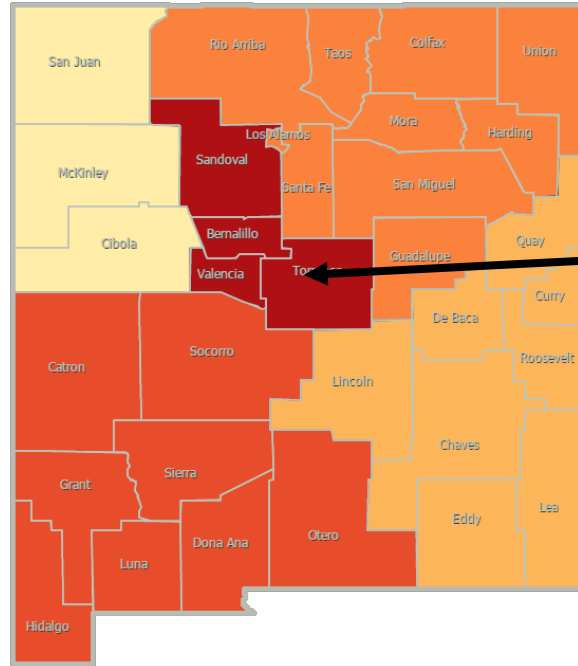
**Northwest**  
**R\_effective 1.5 ↑**

**Northeast**  
**R\_effective 1.3 ↑**

**Metro**  
**R\_effective 1.4 ↑**

**Southwest**  
**R\_effective 1.2 ↑**

**Southeast**  
**R\_effective 1.2 ↑**



As of November 16, 2020

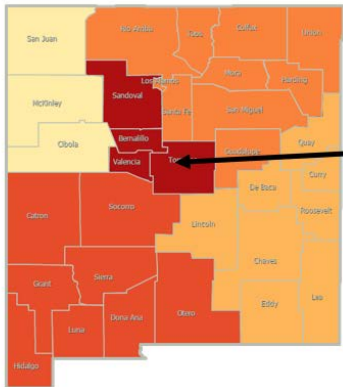
**Northwest**  
**R\_effective 1.2 =**

**Northeast**  
**R\_effective 1.2 ↓**

**Metro**  
**R\_effective 1.1 ↓**

**Southwest**  
**R\_effective 1.0 =**

**Southeast**  
**R\_effective 1.1 ↓**

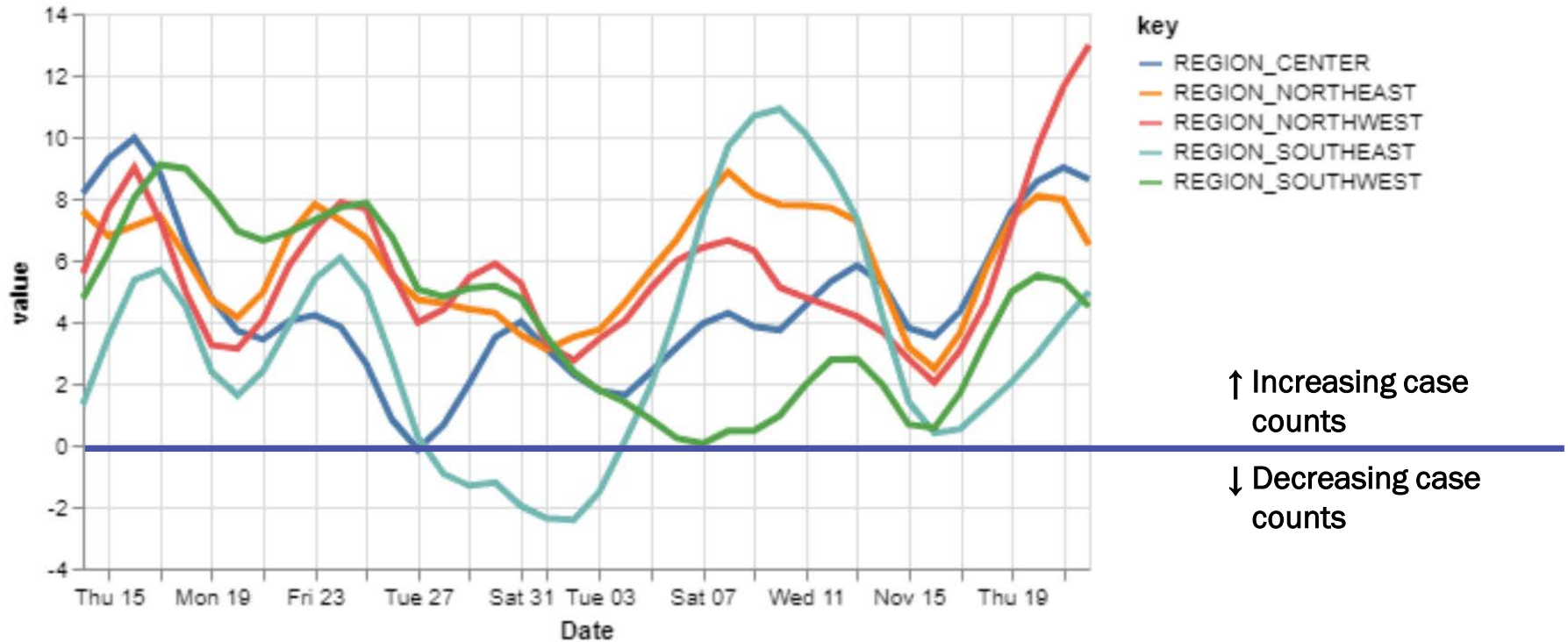


Region	R-effective	95% Confidence Interval
State	1.3	[1.2, 1.5]
Metro	1.4	[1.1, 1.6]
Northeast	1.3	[0.9, 1.7]
Northwest	1.5	[1.1, 1.9]
Southeast	1.2	[0.9, 1.6]
Southwest	1.2	[0.9, 1.6]

Courtesy of Presbyterian Healthcare Services – November 23, 2020.

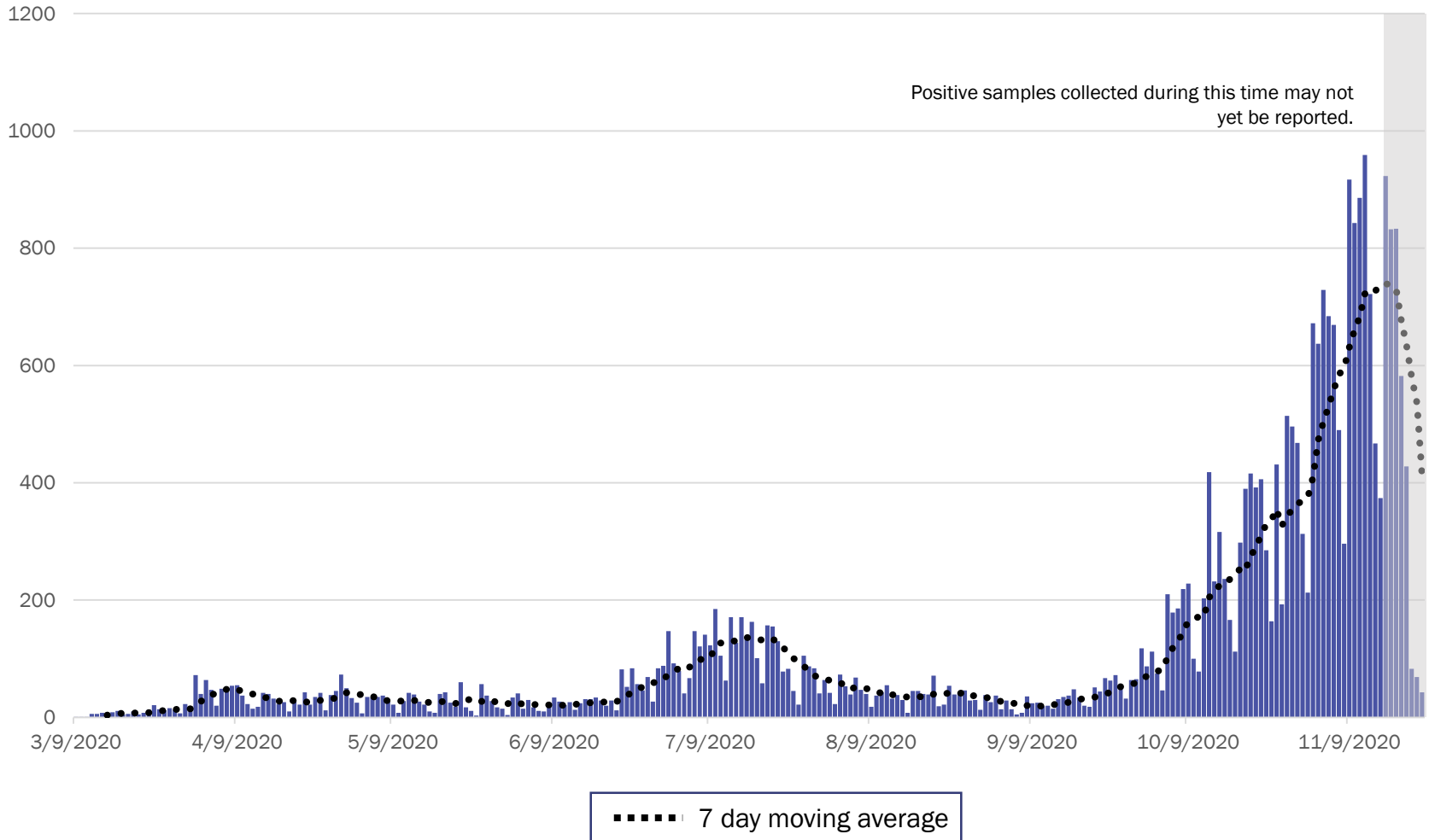
# The relative growth rates for all regions are well above 0.

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



Courtesy of Presbyterian Healthcare Services – November 23, 2020.

# Metro Region Case Count by Collection Date with 7 Day Moving Average – November 24, 2020



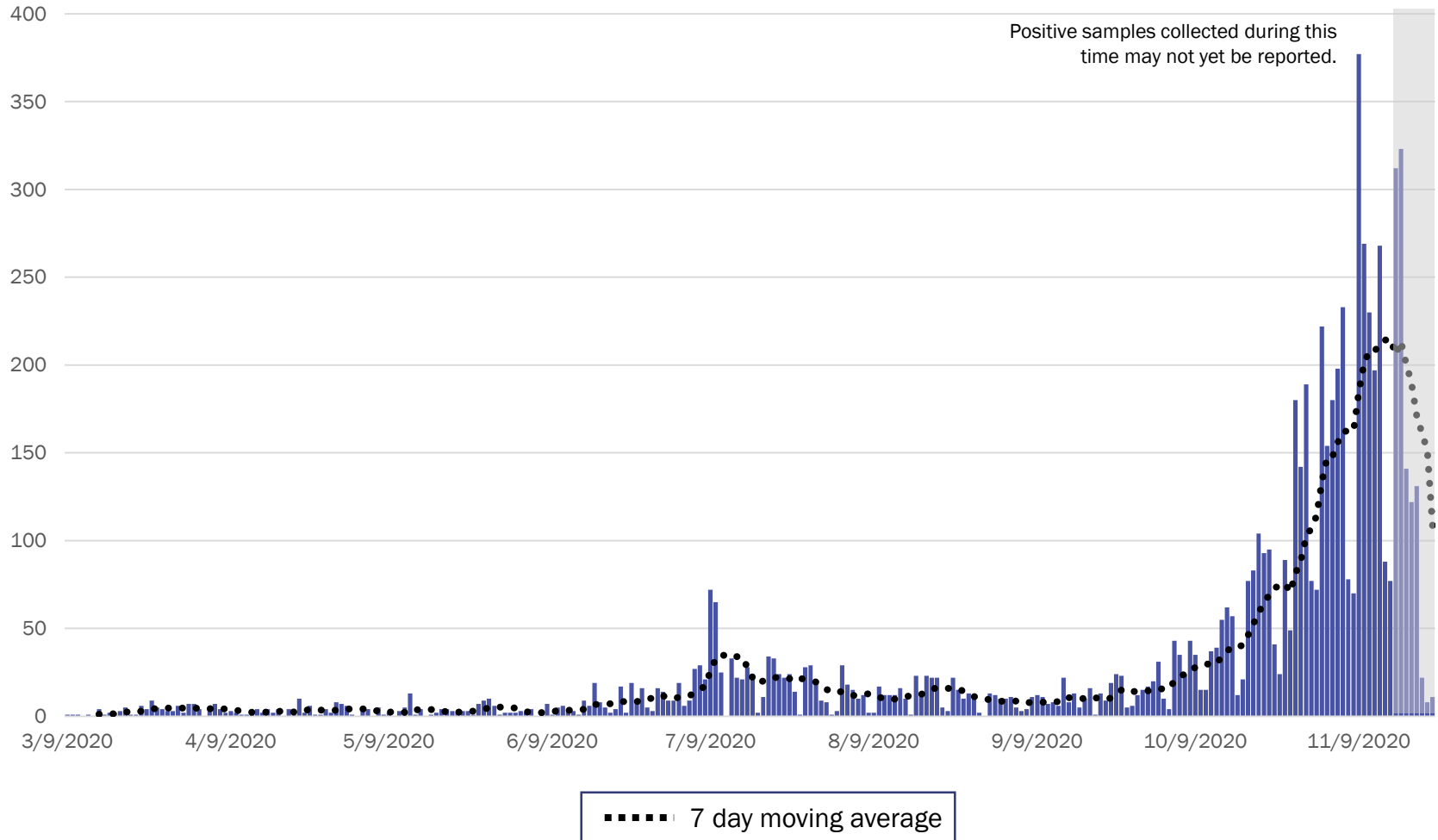
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.24.2020, New Mexico Department of Health.



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# Northeast Region Case Count by Collection Date with 7 Day Moving Average – November 24, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.24.2020, New Mexico Department of Health.

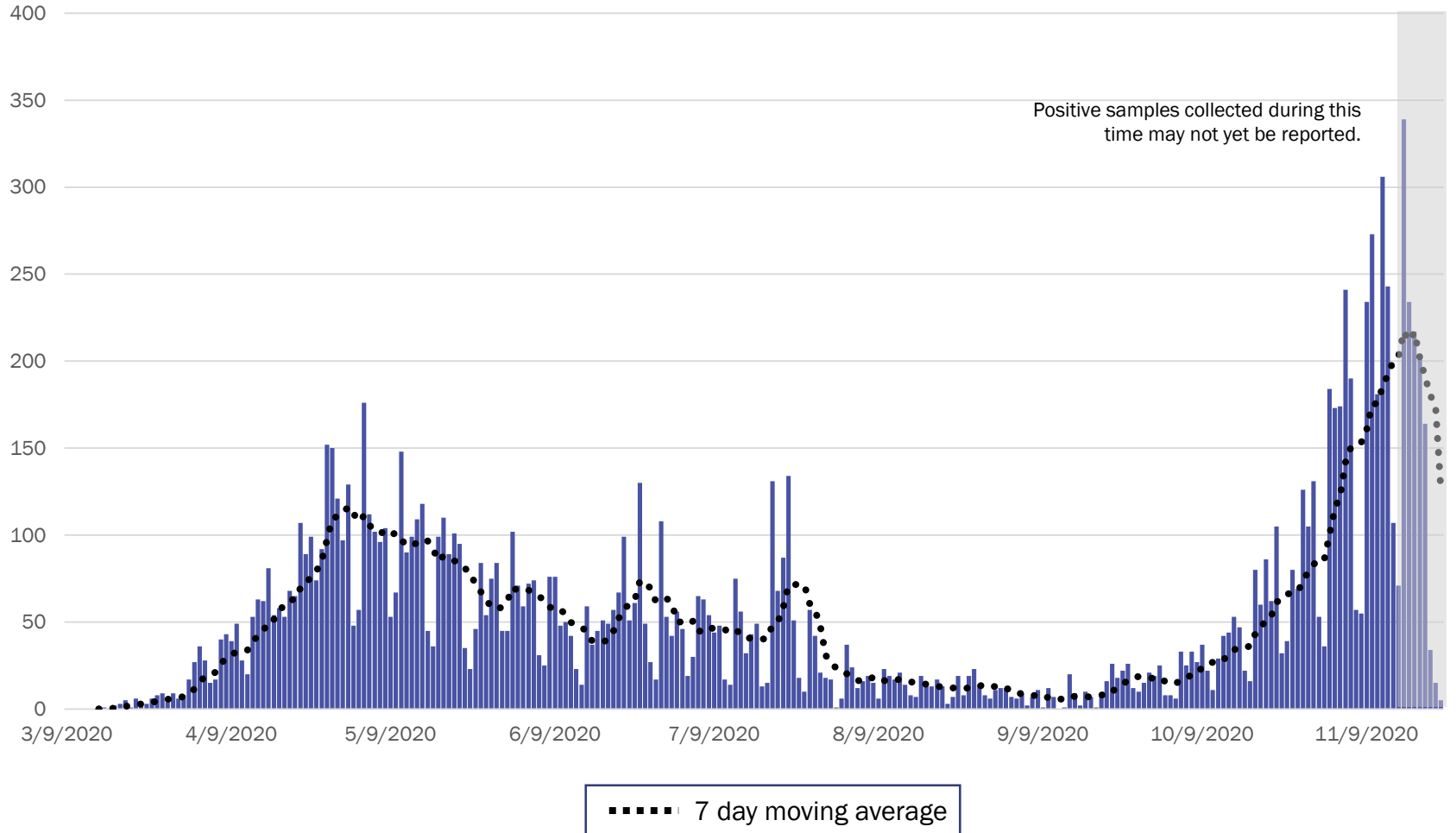


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# Northwest Region Case Count by Collection Date with 7 Day Moving Average – November 24, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.24.2020, New Mexico Department of Health.

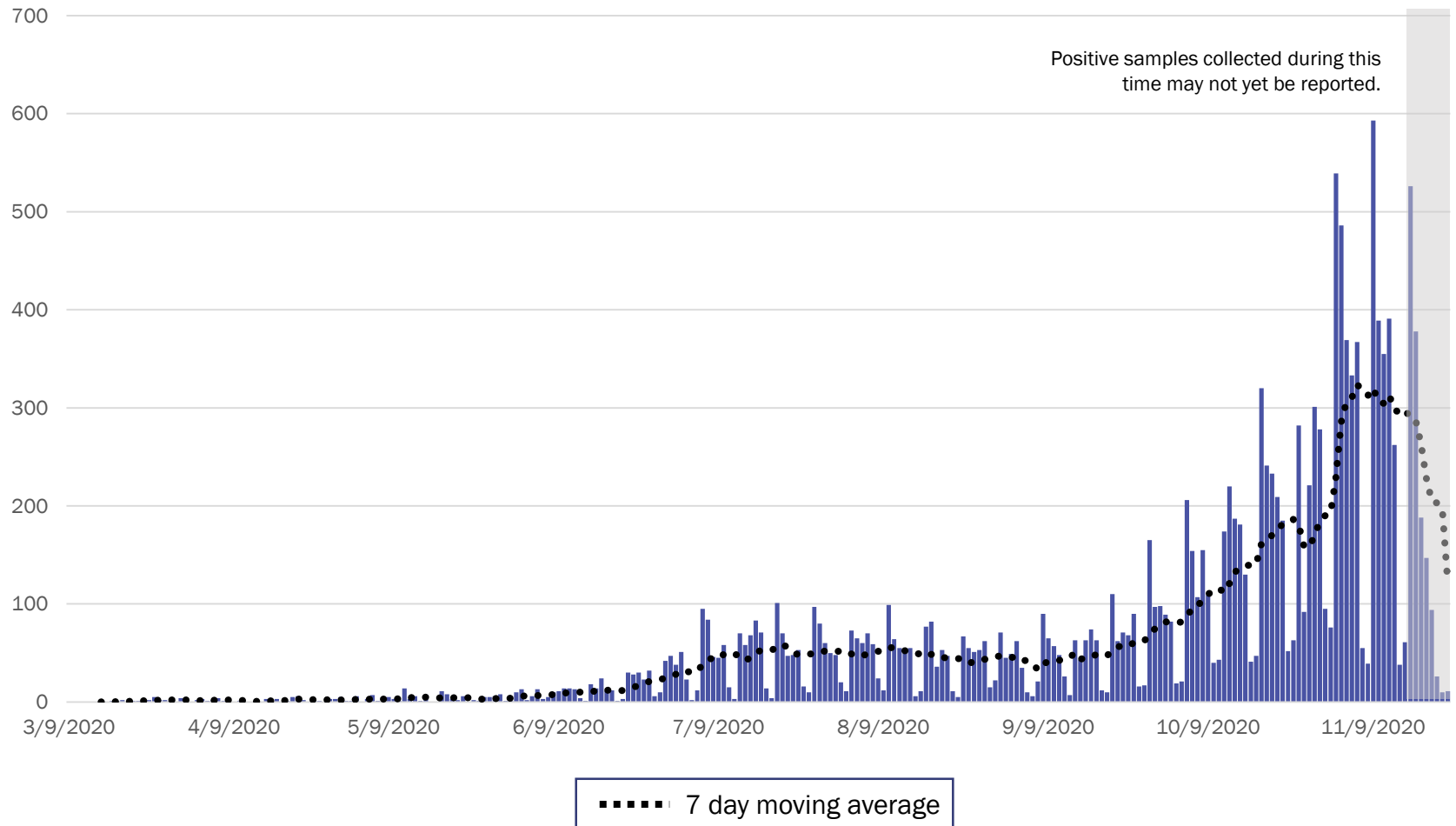


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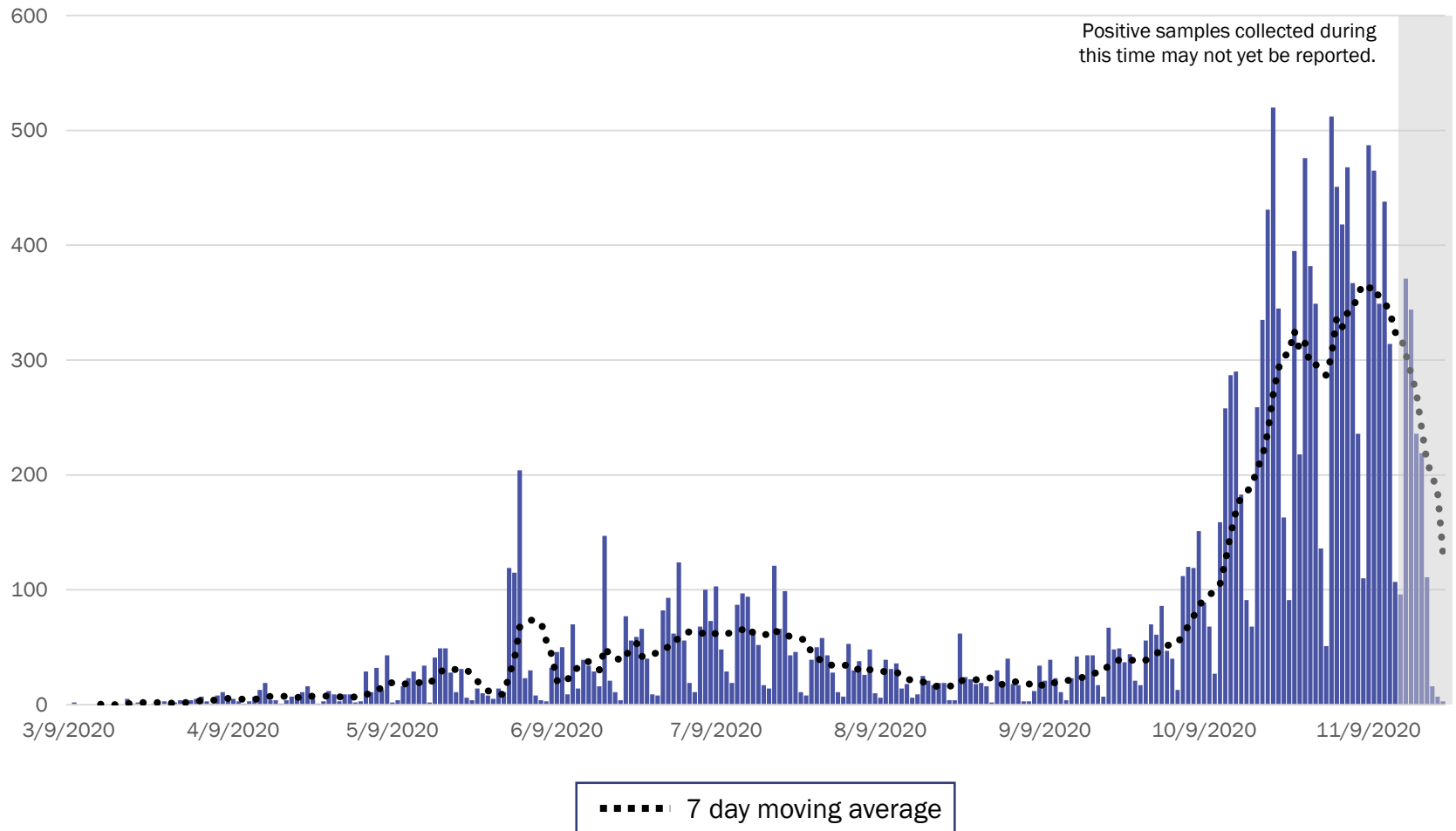
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## Southeast Region Case Count by Collection Date with 7 Day Moving Average – November 24, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.24.2020, New Mexico Department of Health.

# Southwest Region Case Count by Collection Date with 7 Day Moving Average – November 24, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.24.2020, New Mexico Department of Health.

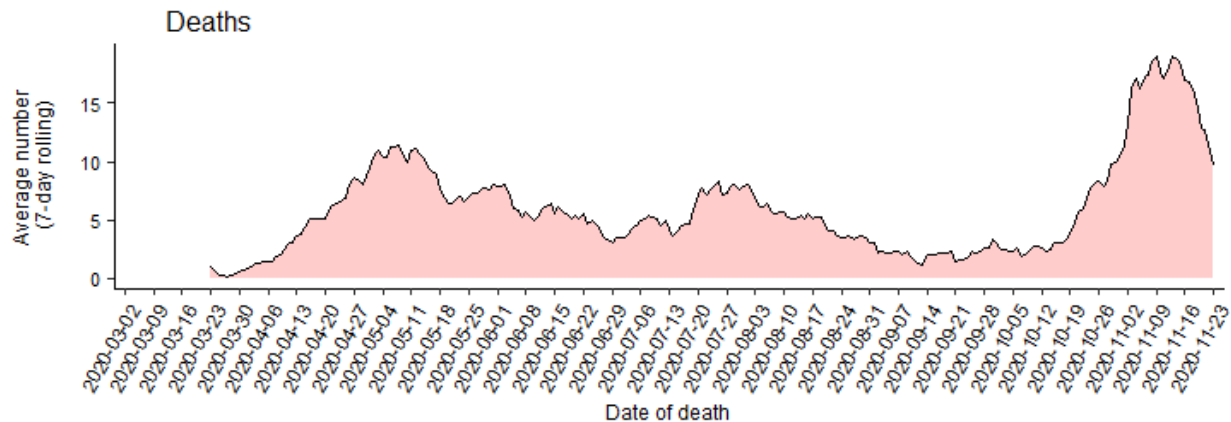
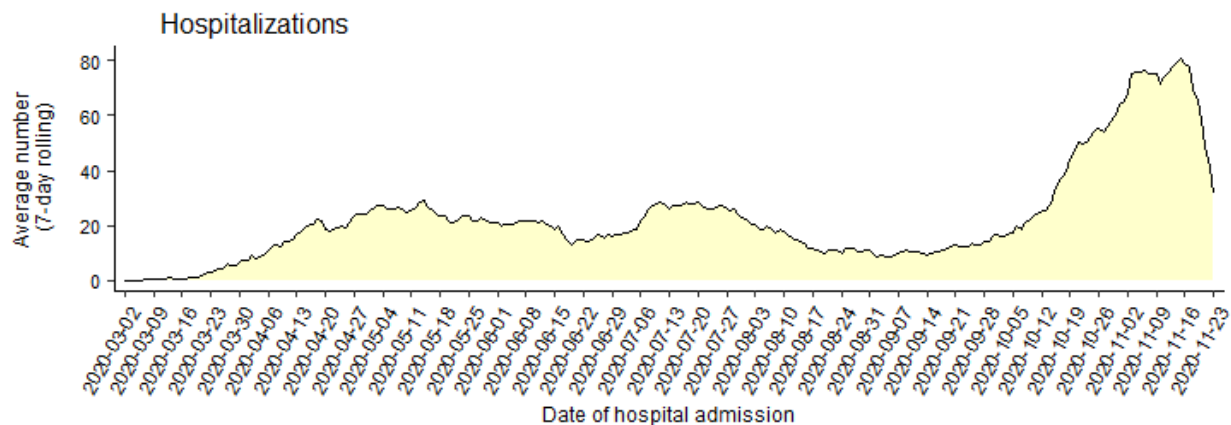
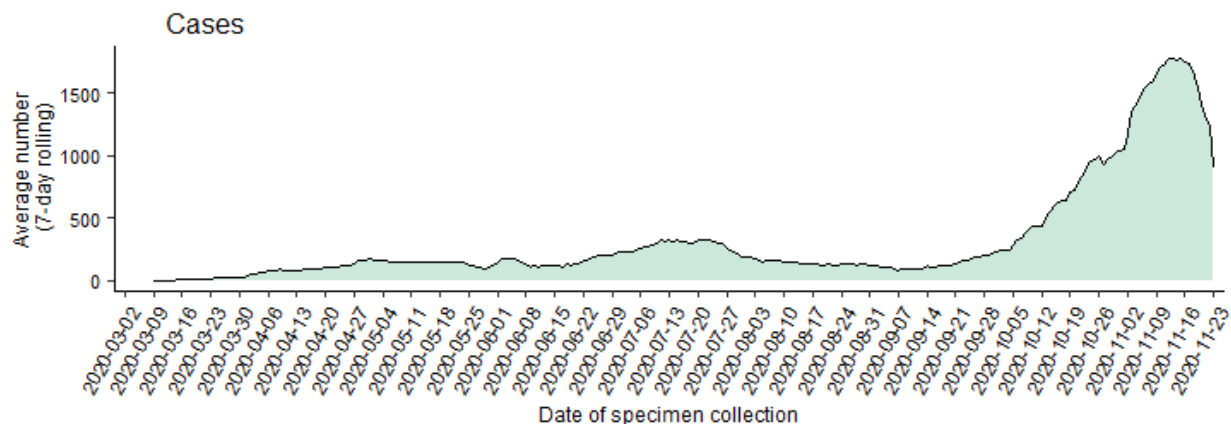


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# Average number (7-day rolling average) of cases, hospitalizations, and deaths over time



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

As of 11/24/20



# New Mexico Status Updates

- Case count: Statewide, daily case counts are increasing.
- Hospitalizations: Hospitalizations are continuing to rise.
- 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 11.23.2020
R_Effective	Actual Measured Daily Value by key county	R_eff=1.3
Positive Test Multiplier	Calculated by LANL	2.9
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.68% ICU 0.27% Vent Rate 58% of ICU Crude Case Fatality Rate 2.9%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days