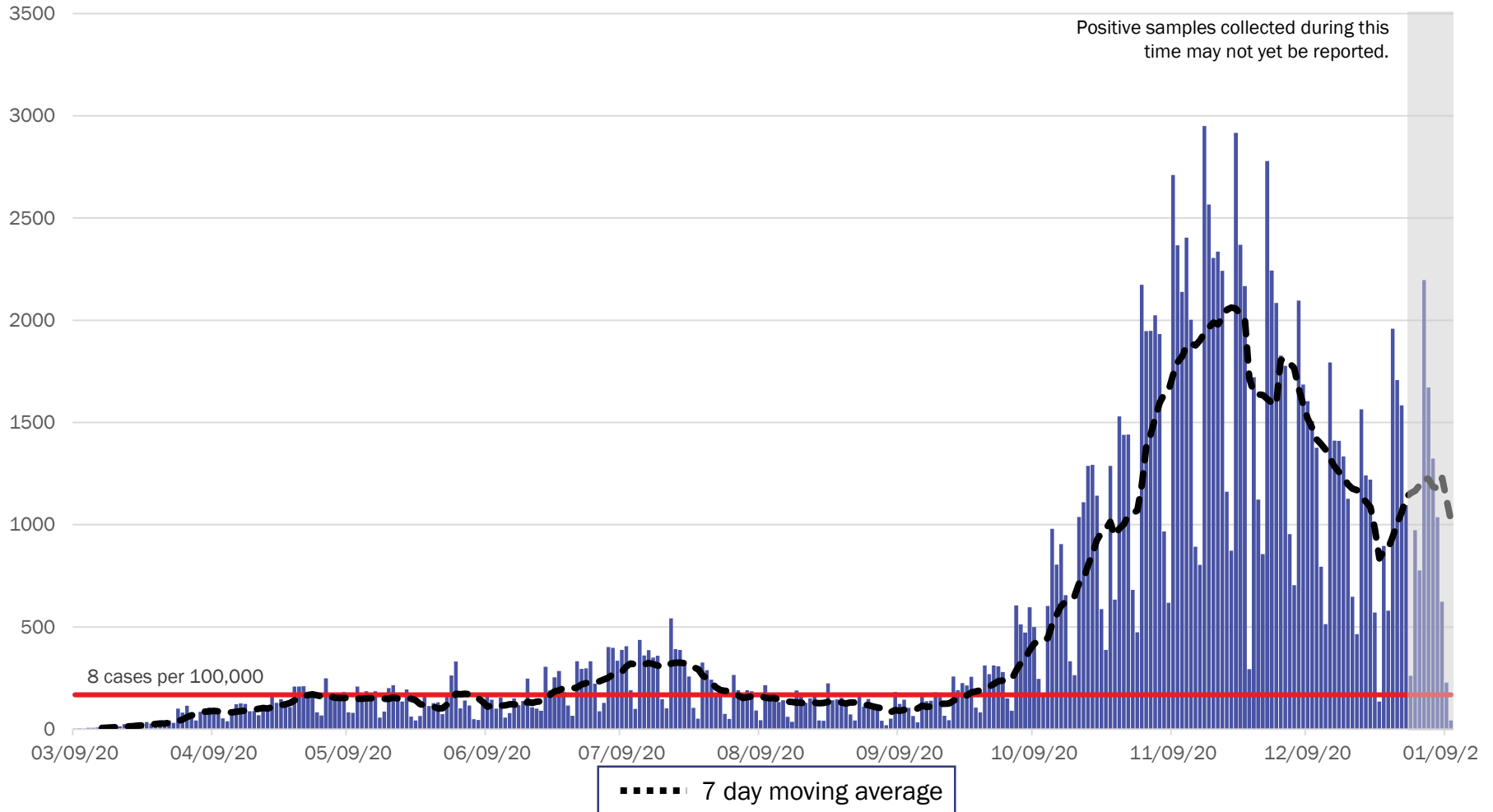


# COVID-19 in New Mexico: Epidemiologic and Modeling Update

January 11, 2021

# New Mexico COVID-19 Cases by Date of Specimen Collection January 11, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.11.2021, New Mexico Department of Health.

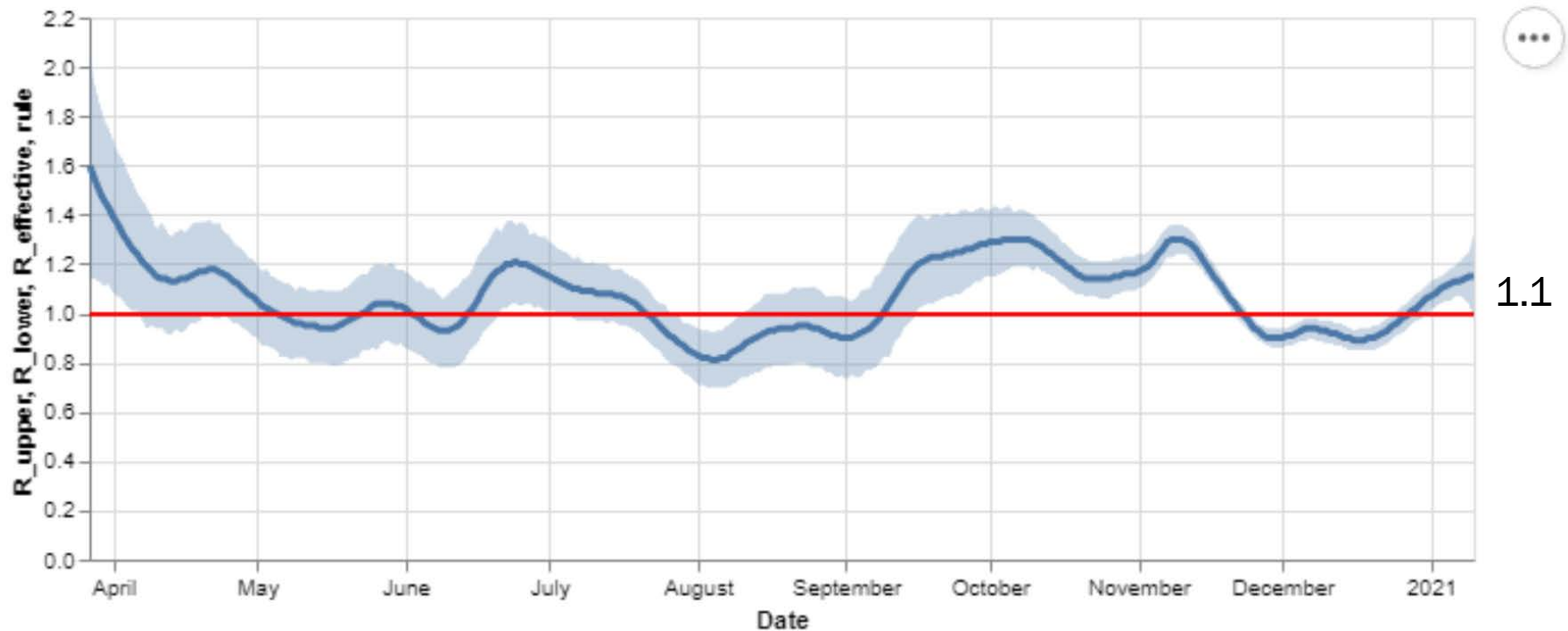


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# Statewide R-effective has increased to 1.1.

## R\_effective over time, STATE



1.1



Courtesy of Presbyterian Healthcare Services – January 11, 2021.

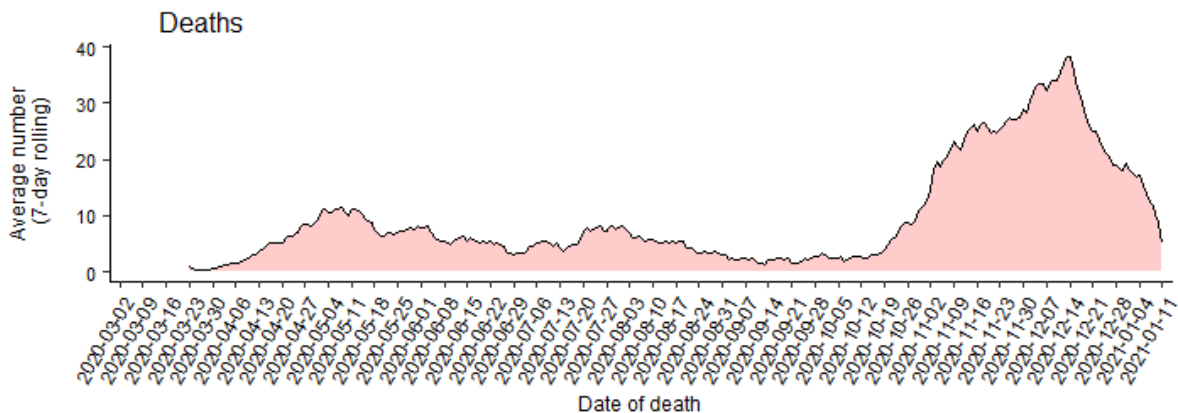
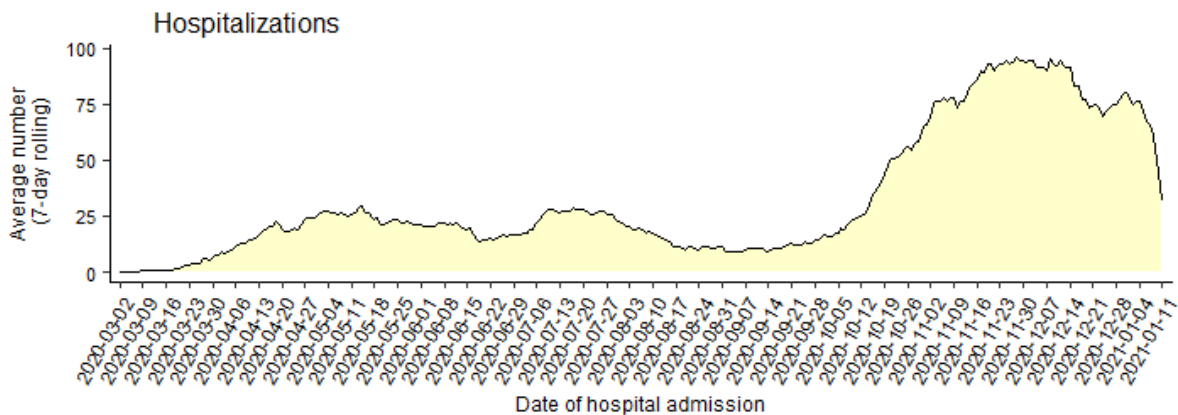
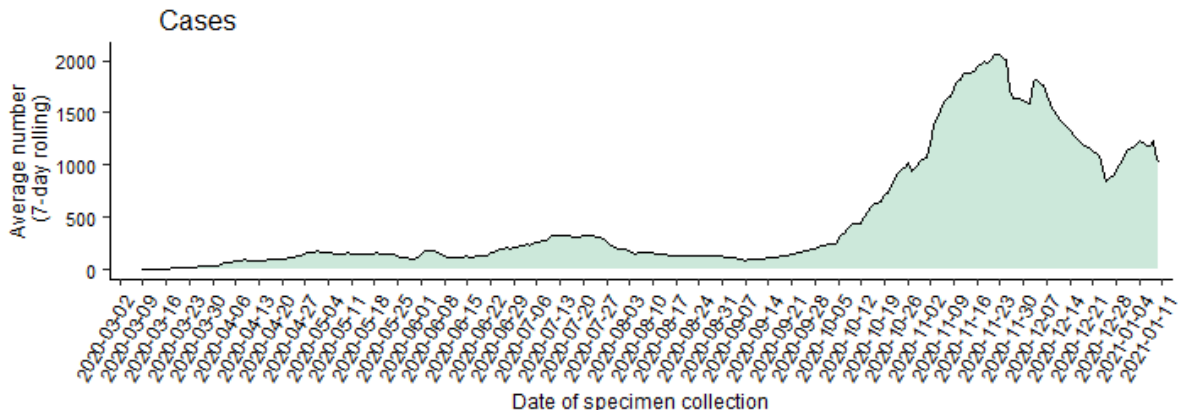


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# Average number (7-day rolling average) of cases, hospitalizations, and deaths over time



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

As of 1/11/21



**Key**

- Low Level Endemic <1.0
- Approaching Low Level Endemic 1.0
- Requiring further mitigation >1.0

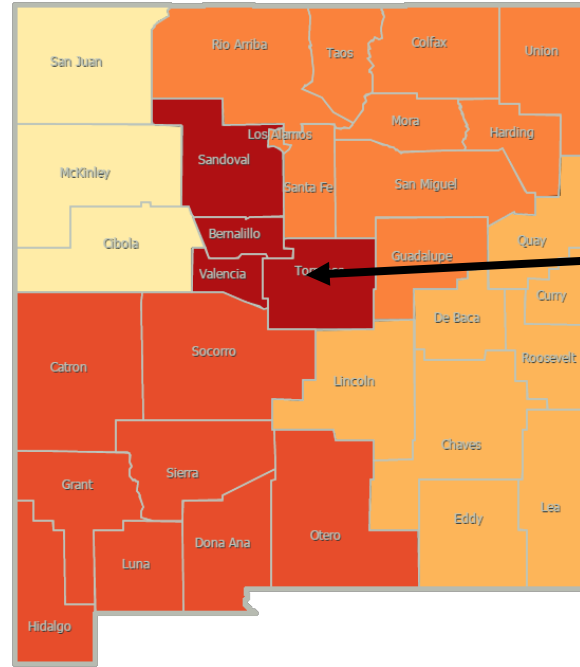
**Northwest**  
**R\_effective 1.1 ↑**

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

**Metro**  
**R\_effective 1.1 ↑**

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

**Southeast**  
**R\_effective 1.1 ↑**



As of January 5, 2021

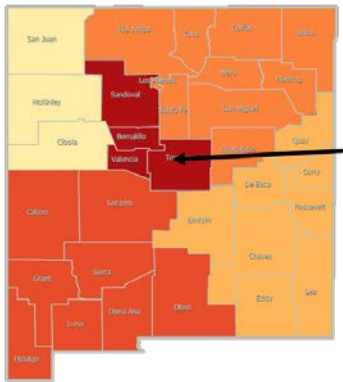
**Northwest**  
**R\_effective 0.9 ↑**

**Northeast**  
**R\_effective 0.9 ↑**

**Metro**  
**R\_effective 0.9 ↑**

**Southwest**  
**R\_effective 1.1 ↑**

**Southeast**  
**R\_effective 1.0 ↑**



Region	R-effective	95% Confidence Interval
State	1.1	[1.0, 1.3]
Metro	1.1	[0.8, 1.4]
Northeast	1.3	[0.8, 1.9]
Northwest	1.1	[0.7, 1.5]
Southeast	1.1	[0.7, 1.5]
Southwest	1.2	[0.8, 1.6]

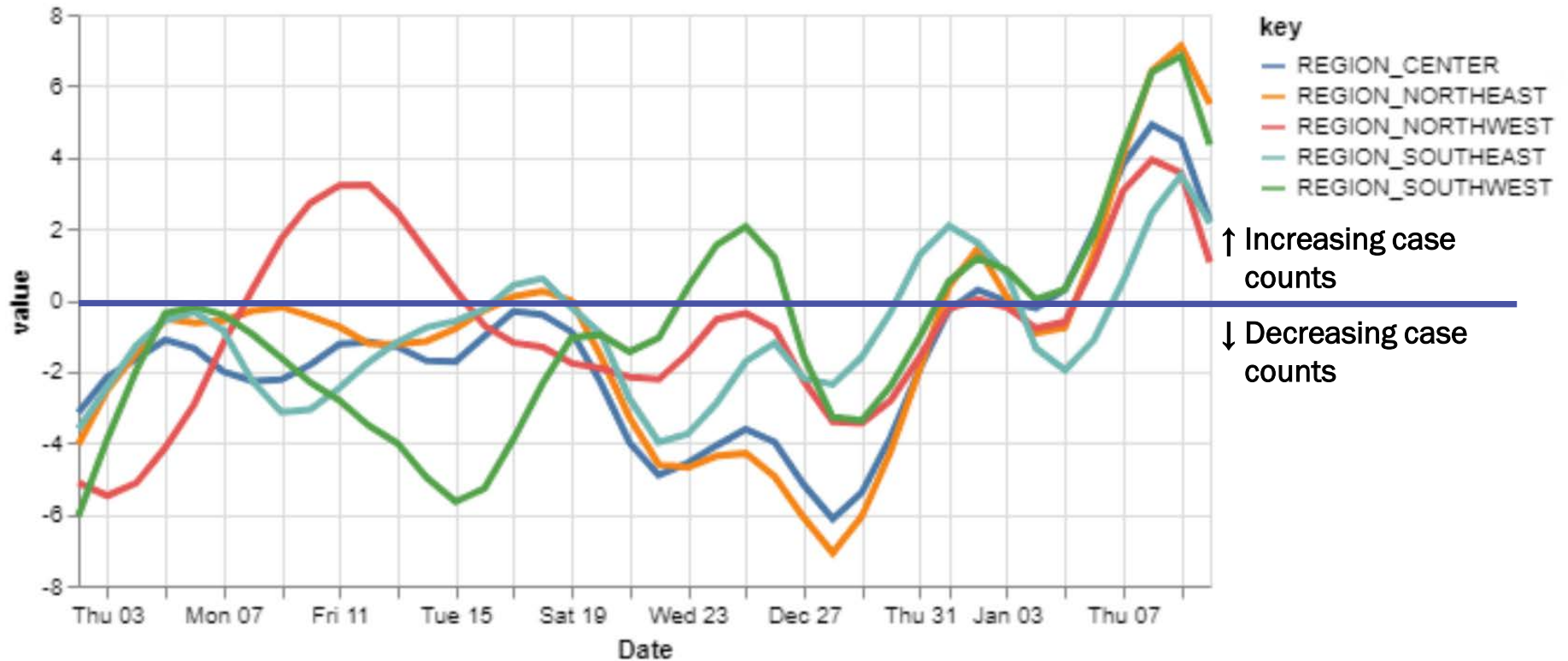
Courtesy of Presbyterian Healthcare Services – January 11, 2021.



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# All five regions have growth above 0.

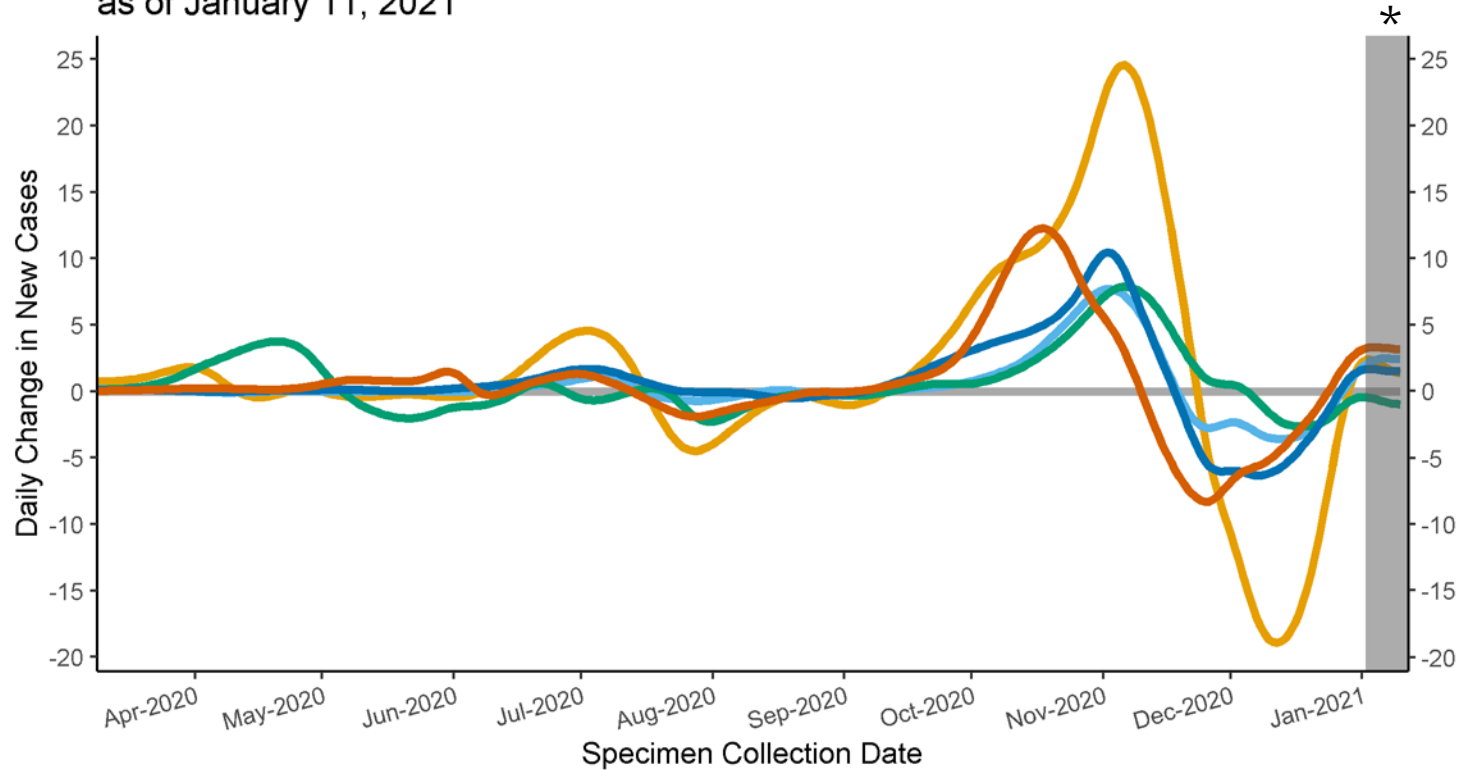
## 14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – January 11, 2021.

# Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of January 11, 2021



Regions — Metro — Northeast — Northwest — Southeast — Southwest

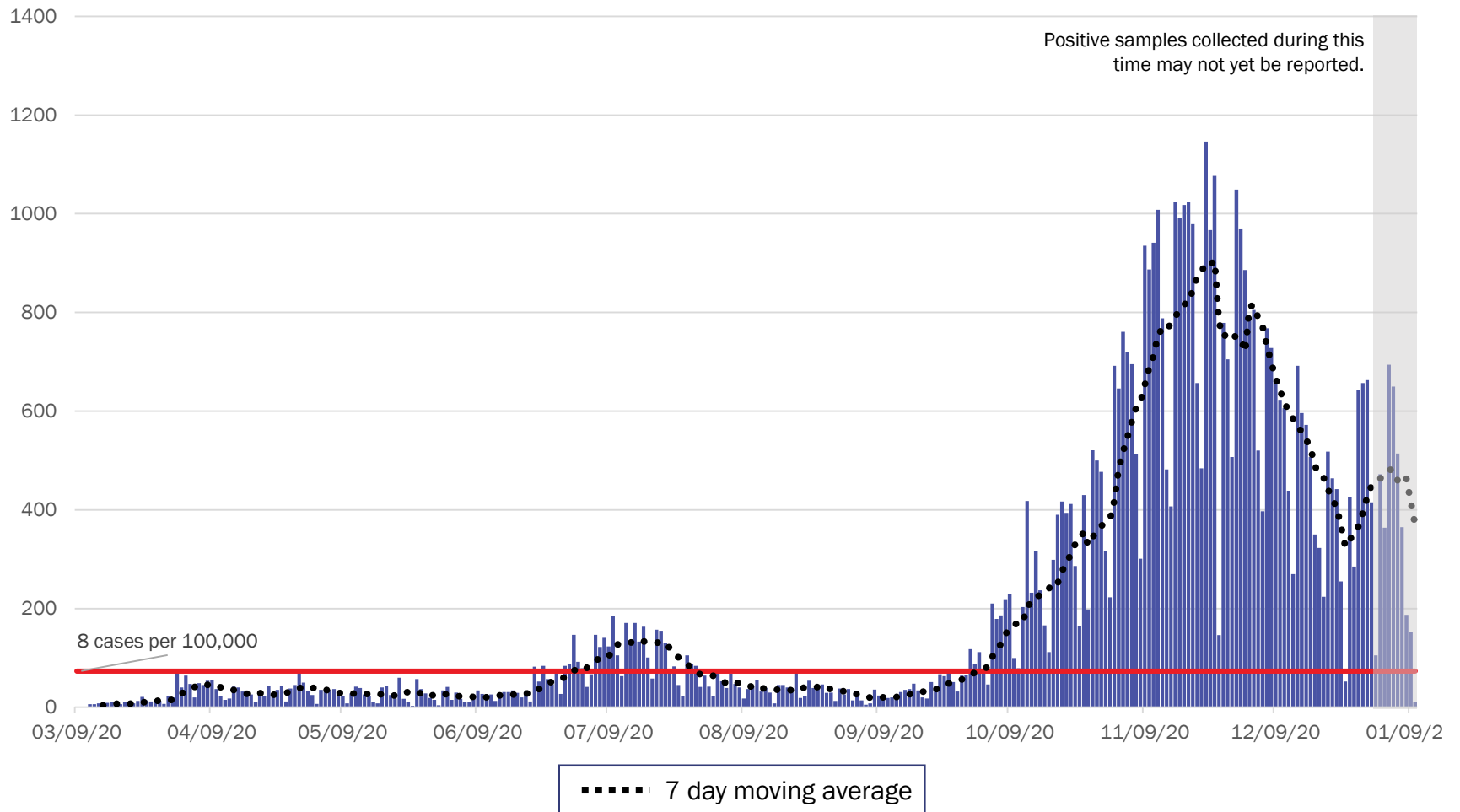
\*Positive specimens collected during the most recent 10 days may not yet be reported to NMDOH. Case counts and growth acceleration during this time are underestimated.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.11.2021, New Mexico Department of Health.



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# Metro Region Case Count by Collection Date with 7 Day Moving Average January 11, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.11.2021, New Mexico Department of Health.

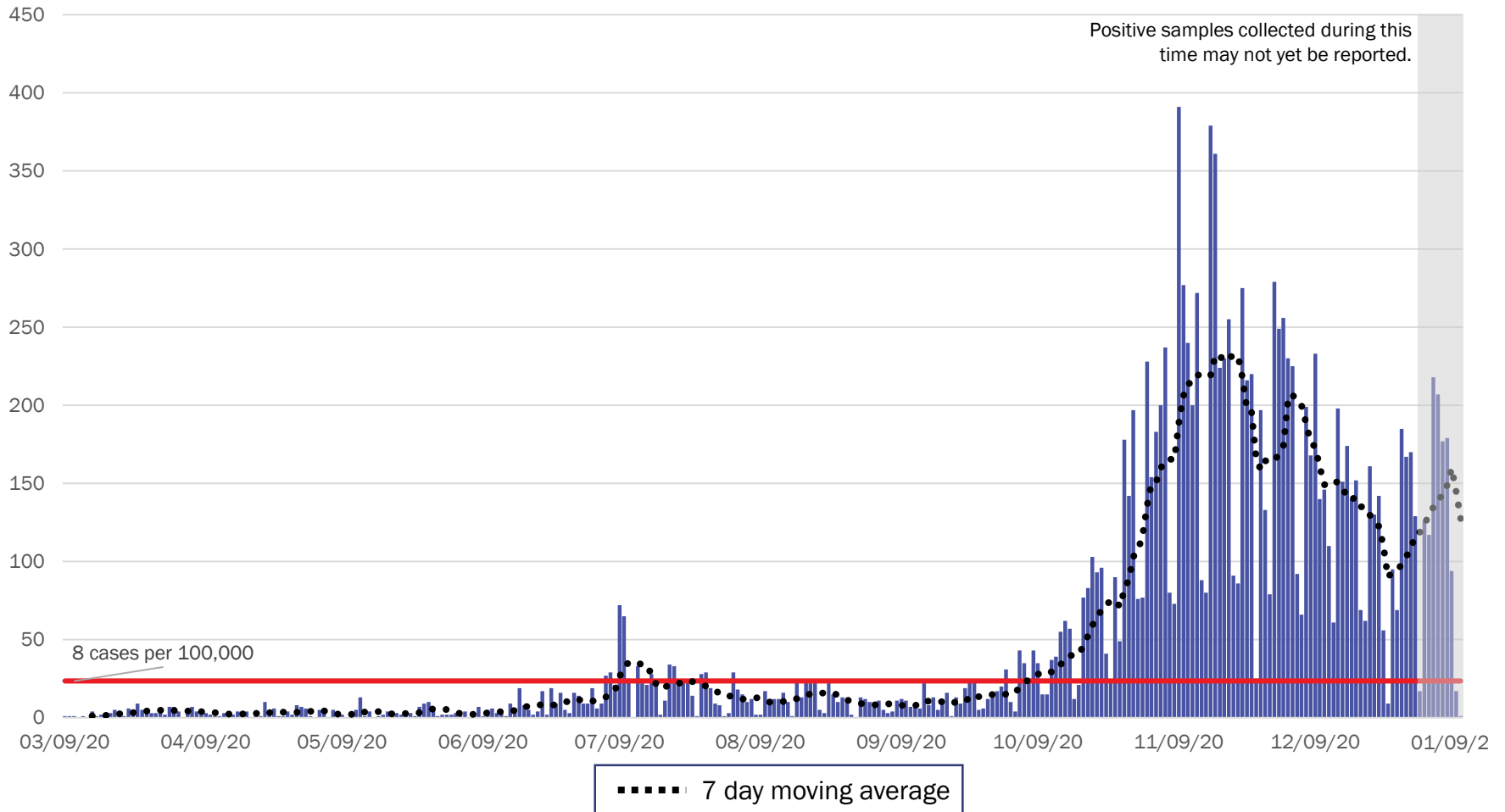


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# Northeast Region Case Count by Collection Date with 7 Day Moving Average January 11, 2021



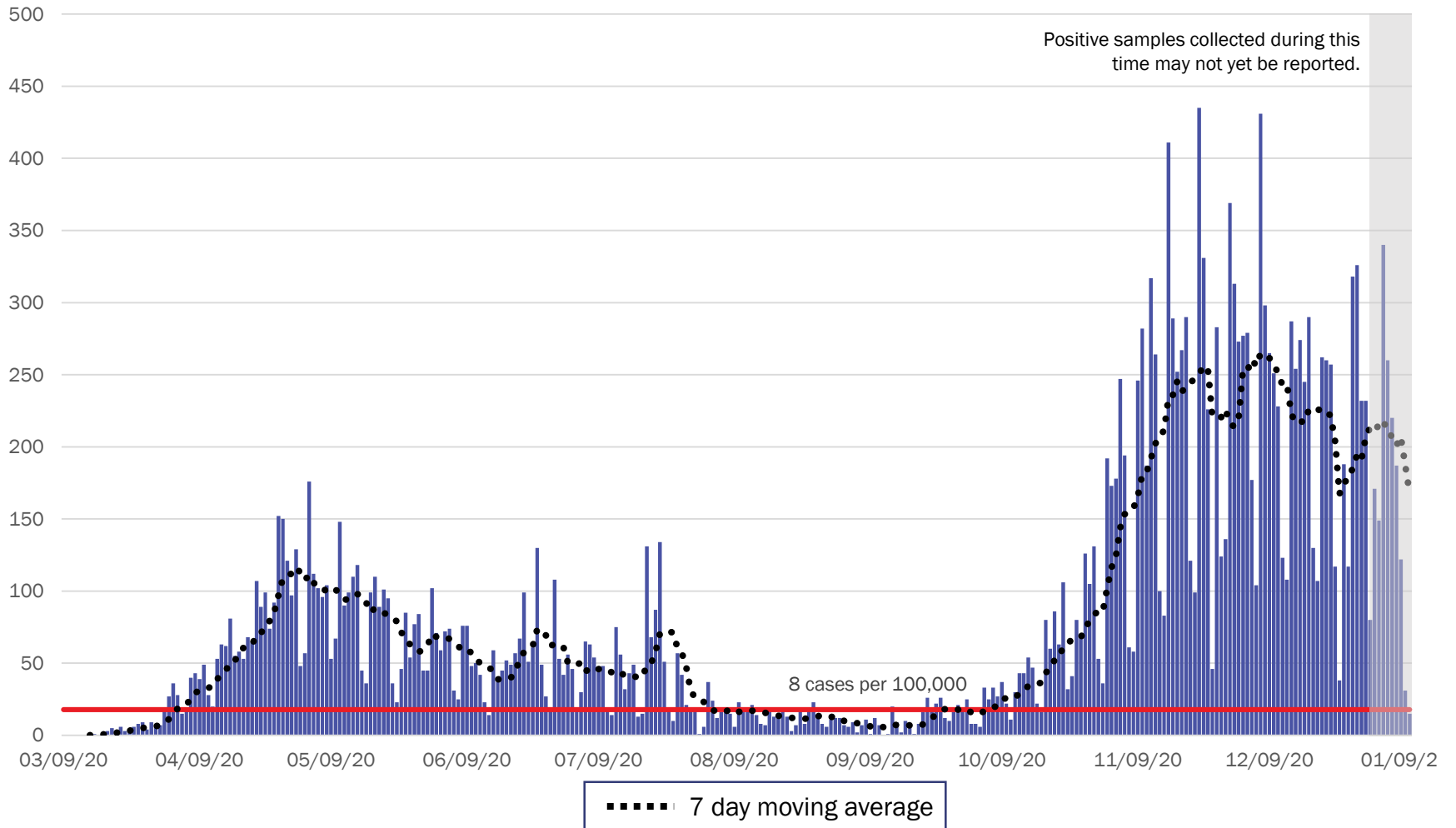
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.11.2021 New Mexico Department of Health.



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# Northwest Region Case Count by Collection Date with 7 Day Moving Average January 11, 2021



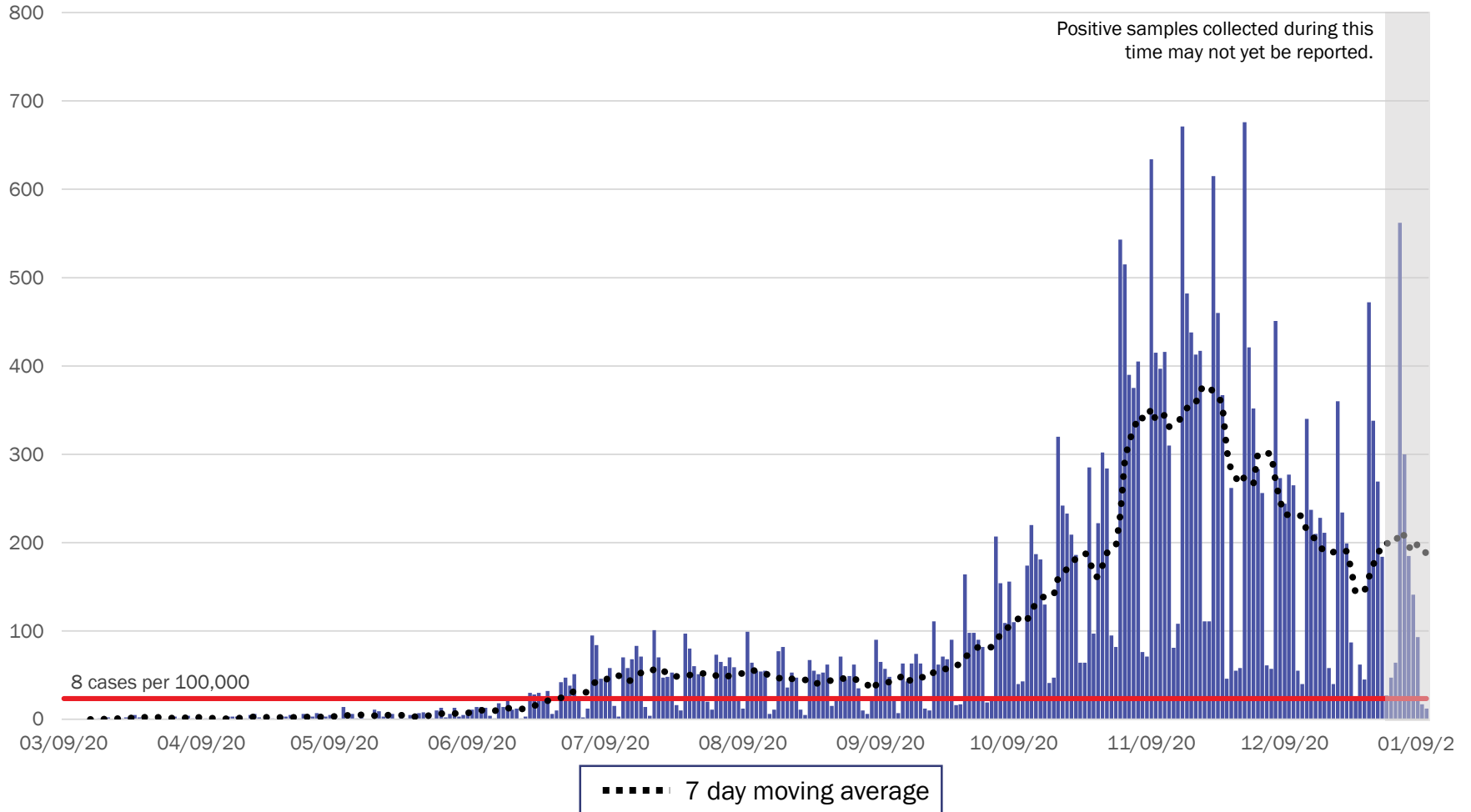
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.11.2021, New Mexico Department of Health.



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# Southeast Region Case Count by Collection Date with 7 Day Moving Average January 11, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.11.2021, New Mexico Department of Health.

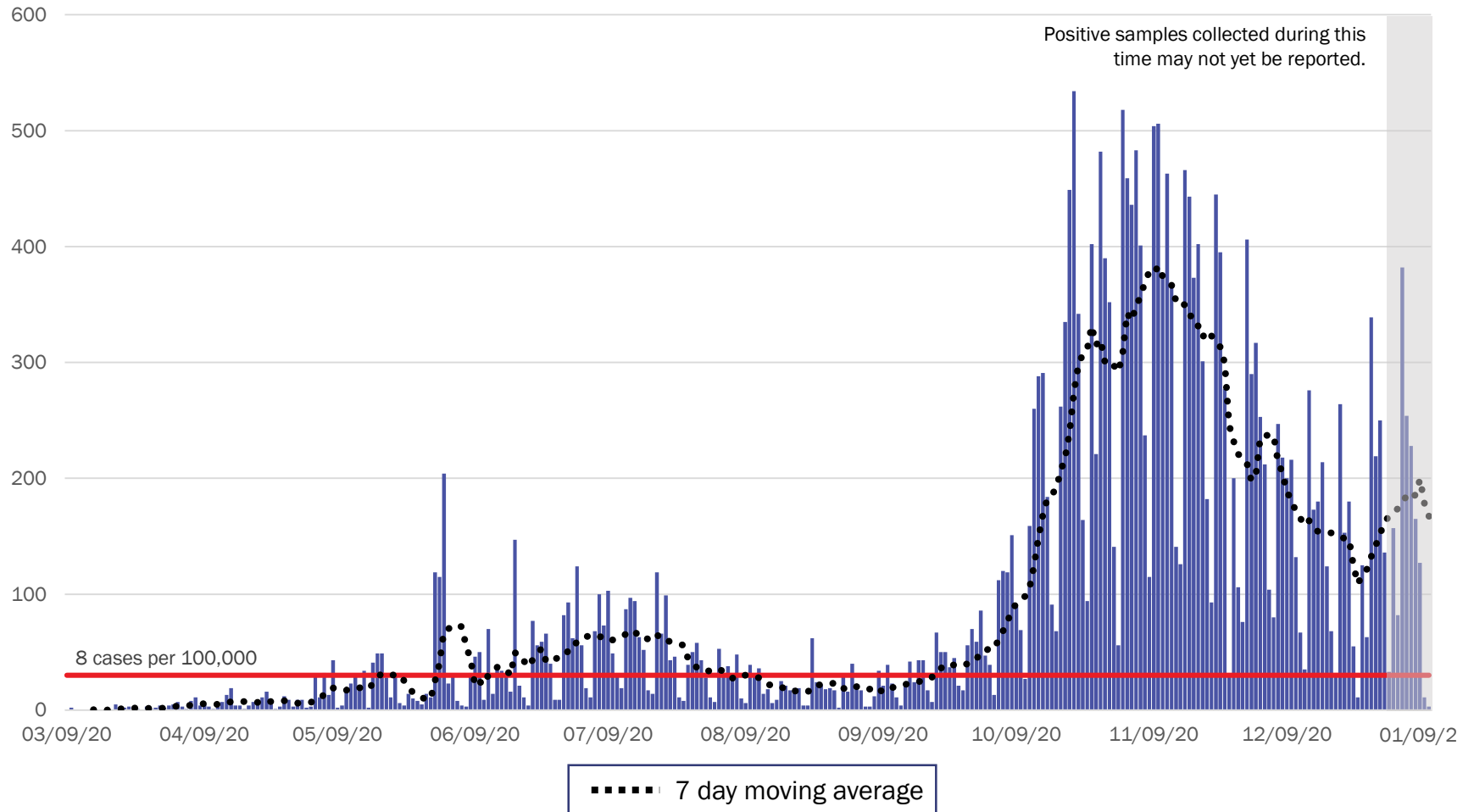


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# Southwest Region Case Count by Collection Date with 7 Day Moving Average January 11, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.11.2021, New Mexico Department of Health.



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# New Mexico Status Updates

- Case count: Statewide, daily case counts may be starting to increase again.
- Hospitalizations: Hospitalizations remain high.
- Deaths: Weekly COVID-19 deaths remain high, but appear to be declining.

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 1.11.2021
R_Effective	Actual Measured Daily Value by key county	R_eff=1.1
Positive Test Multiplier	Calculated by LANL	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.32% ICU 0.12% Vent Rate 67% of ICU Crude Case Fatality Rate 2.1%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days