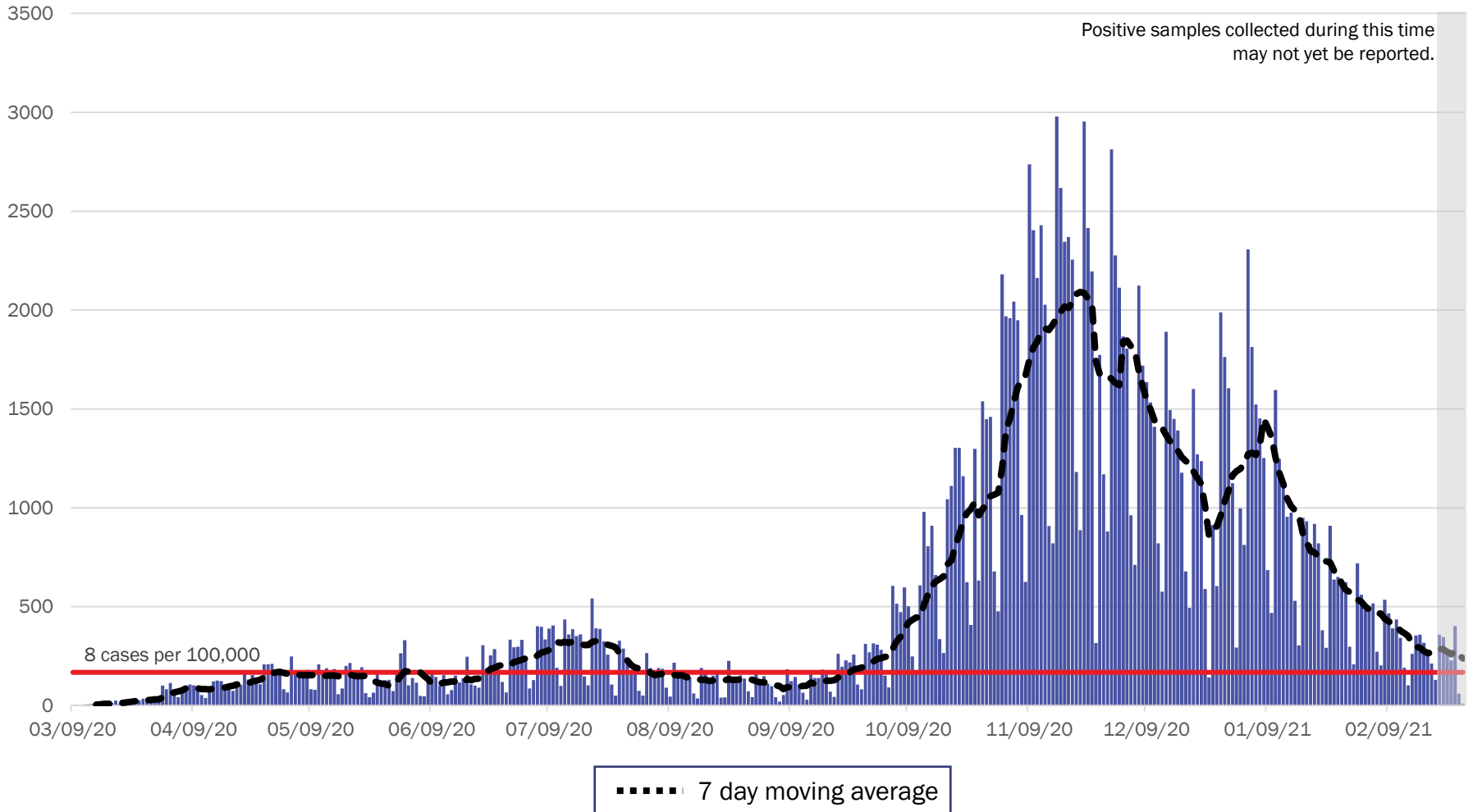


# COVID-19 in New Mexico: Epidemiologic and Modeling Update

March 2, 2021

# New Mexico COVID-19 Cases by Date of Specimen Collection March 1, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.1.2021, New Mexico Department of Health.

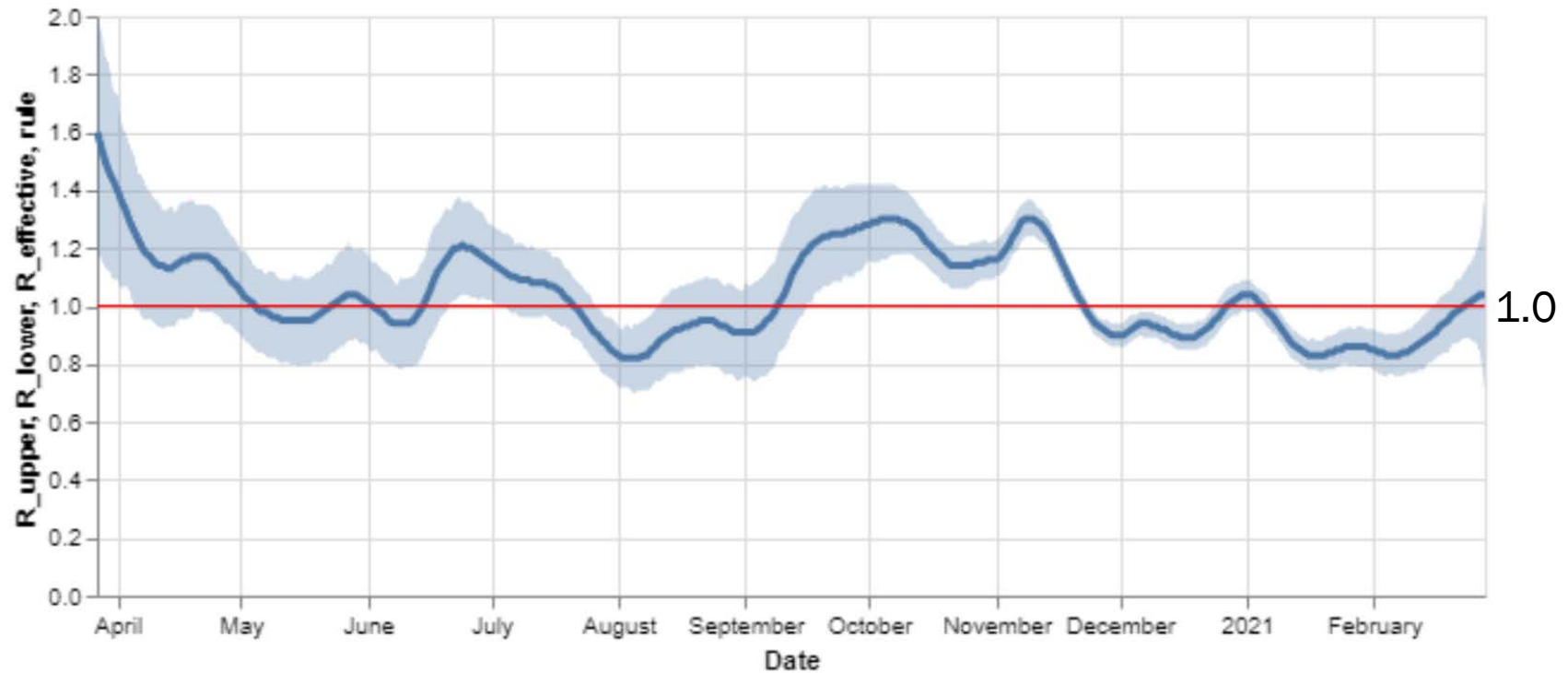


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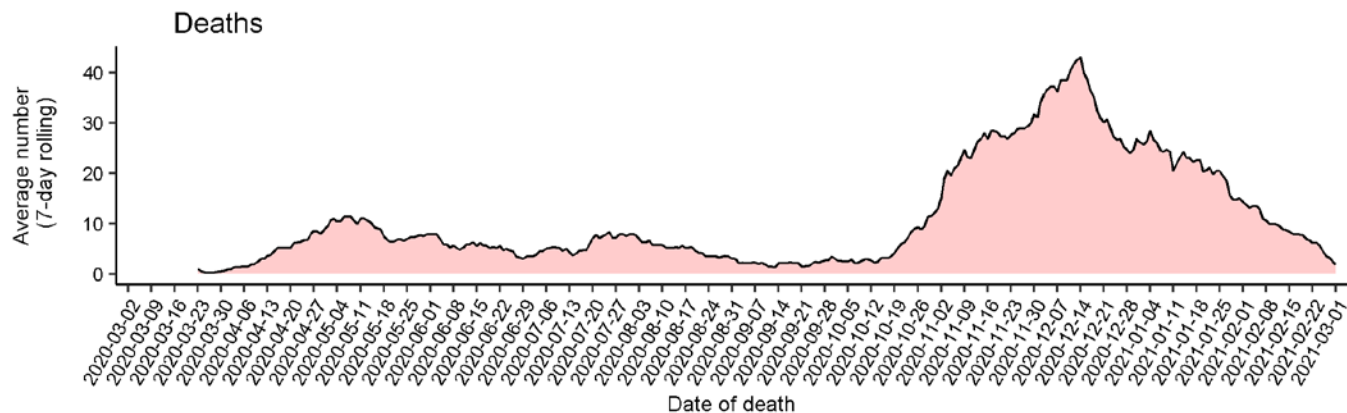
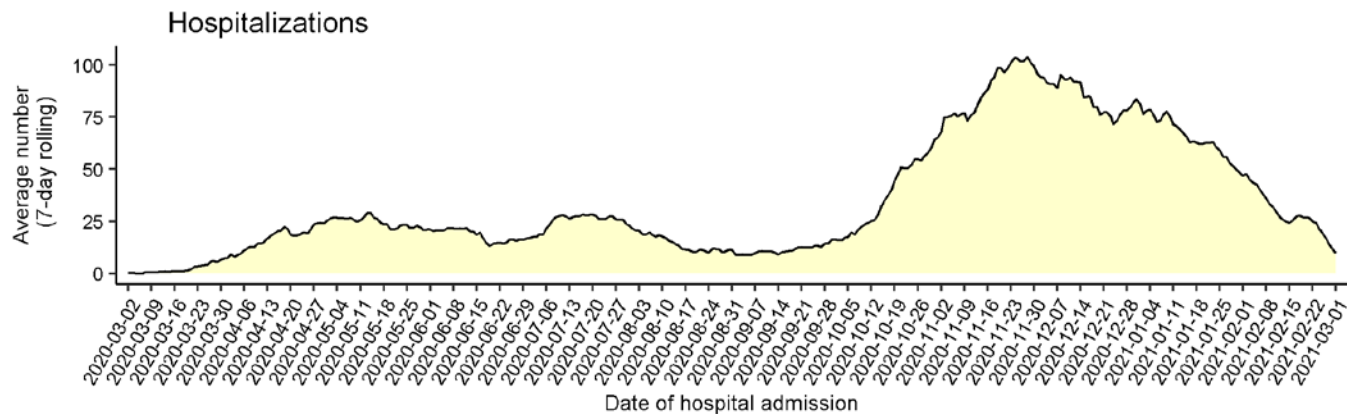
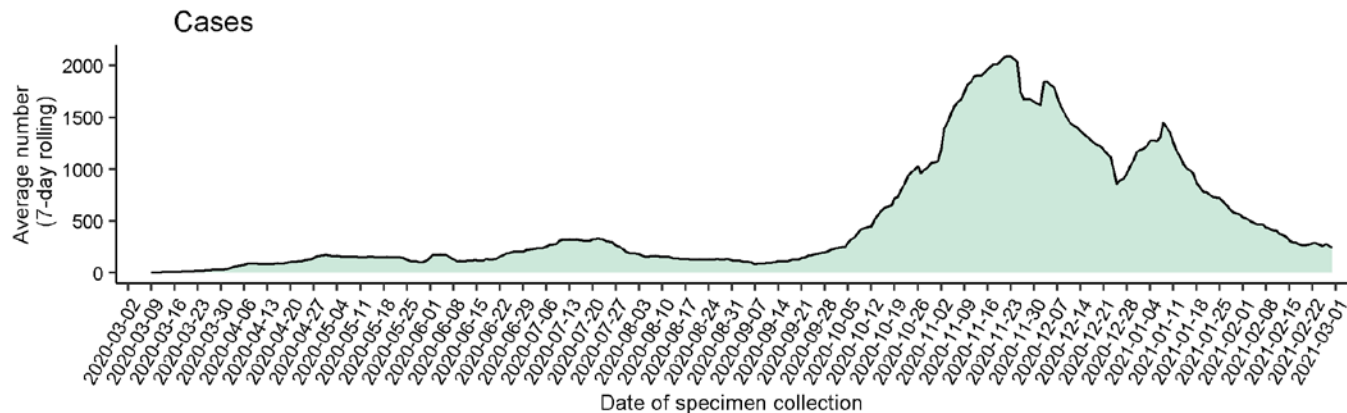
# Statewide R-effective has increased to 1.0.

## R\_effective over time, STATE



Courtesy of Presbyterian Healthcare Services – March 1, 2021.

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



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

As of 3/1/21



**Key**

Low Level Endemic  
**<1.0**

Approaching Low  
Level Endemic  
**1.0**

Requiring further  
mitigation **>1.0**

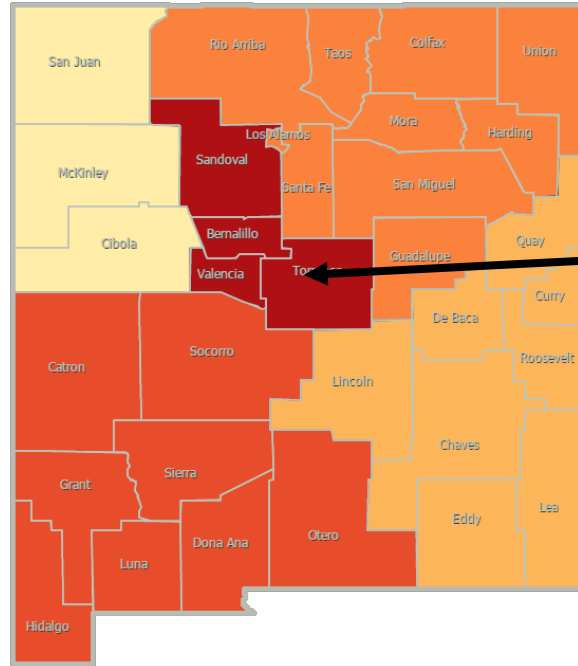
**Northwest**  
**R\_effective 0.8 ↓**

**Northeast**  
**R\_effective 1.2 ↑**

**Metro**  
**R\_effective 1.0 ↑**

**Southwest**  
**R\_effective 0.9 ↓**

**Southeast**  
**R\_effective 1.3 ↑**



As of February 22, 2021

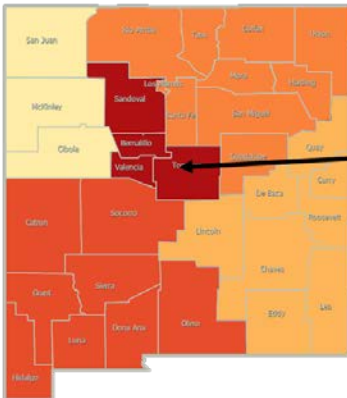
**Northwest**  
**R\_effective 1.0 ↑**

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

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

**Southwest**  
**R\_effective 1.0 ↑**

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

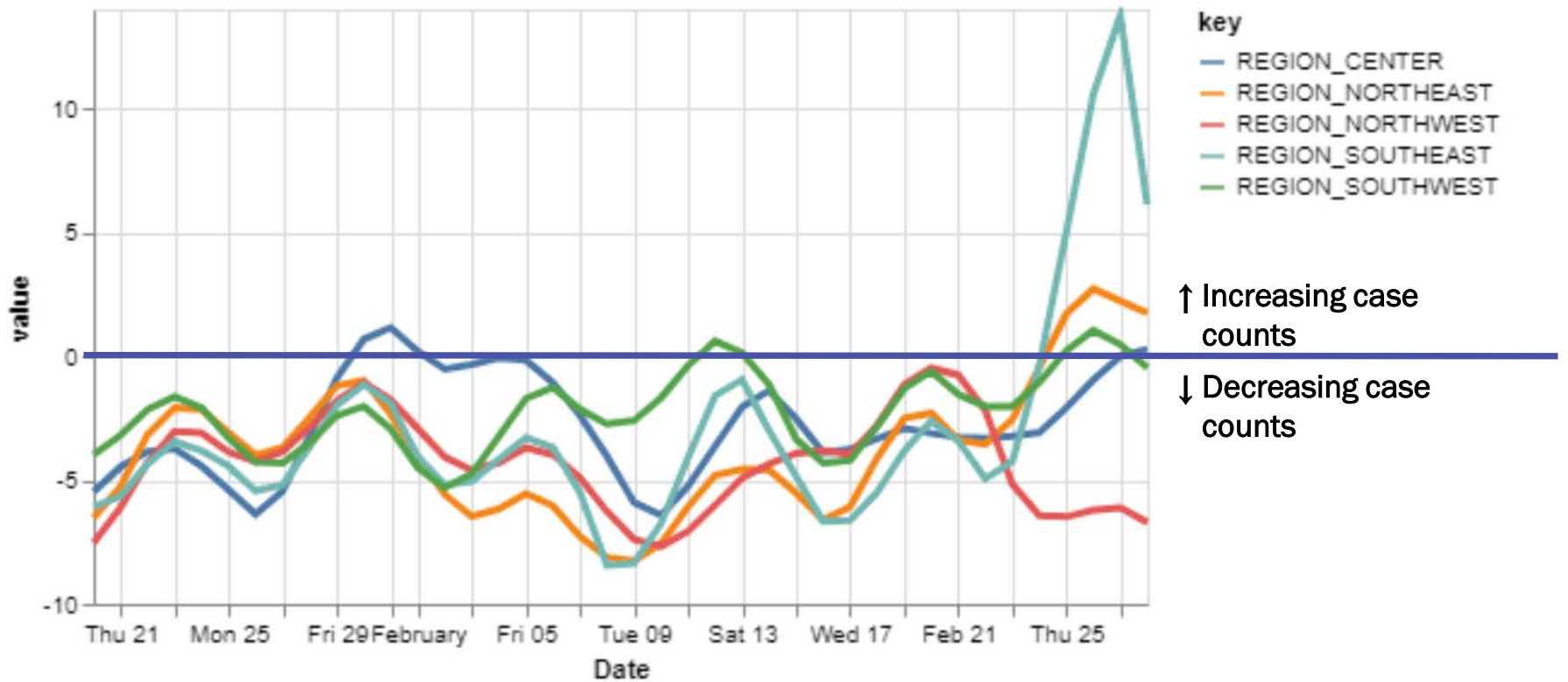


Region	R-effective	95% Confidence Interval
State	1.0	[0.7, 1.4]
Metro	1.0	[0.5, 1.6]
Northeast	1.2	[0.4, 2.6]
Northwest	0.8	[0.0, 2.1]
Southeast	1.3	[0.6, 2.2]
Southwest	0.9	[0.3, 1.7]

Courtesy of Presbyterian Healthcare Services – March 1, 2021.

# Four regions have growth near or above 0.

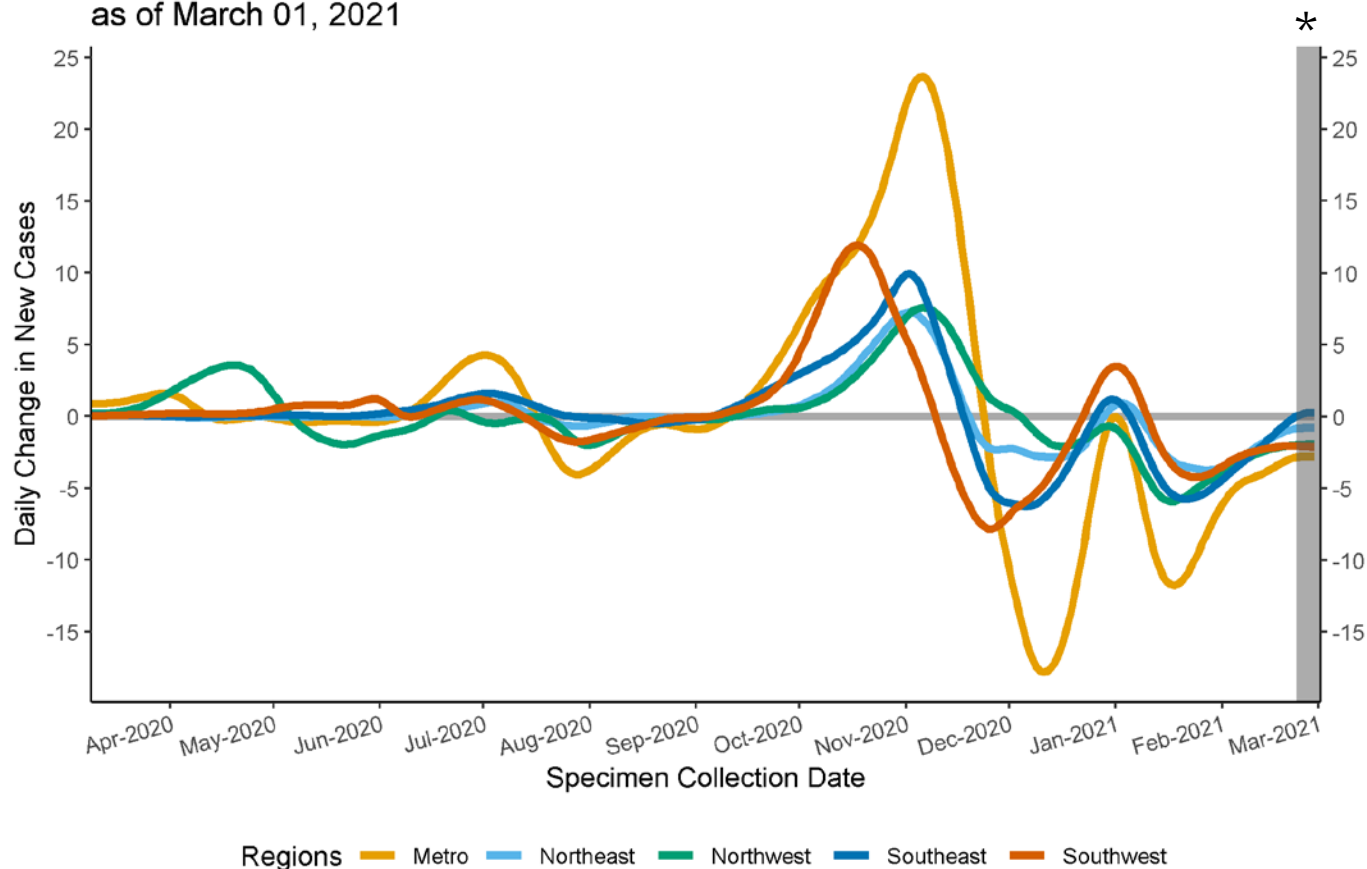
## 14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – March 1, 2021.

# Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of March 01, 2021

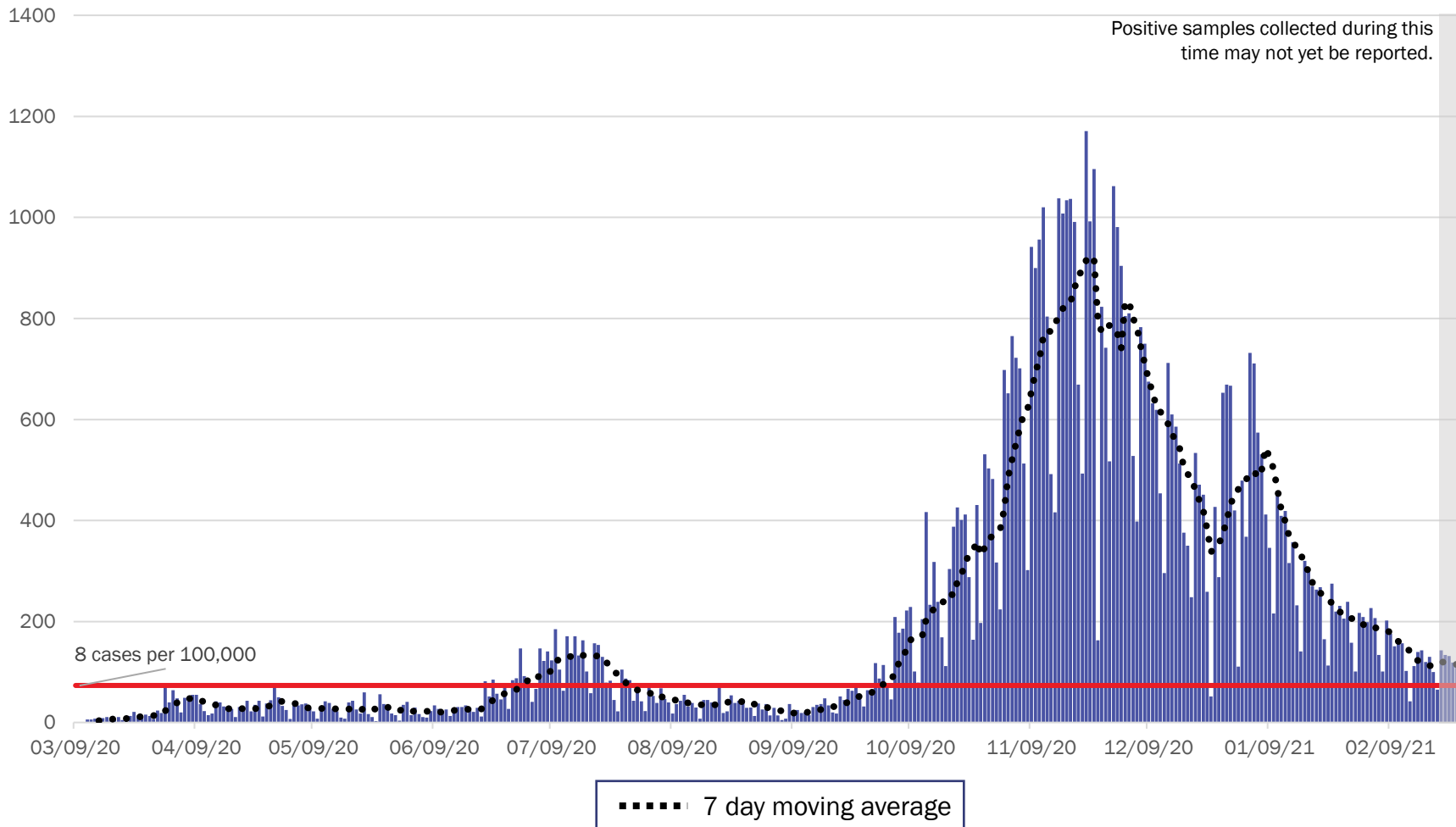


Region	Growth Acceleration February 22, 2021
Metro	-2.9
Northeast	-0.9
Northwest	-2.0
Southeast	-0.1
Southwest	-2.0

\*Positive specimens collected in the last 7 or more 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 3.1.2021, New Mexico Department of Health.

# Metro Region Case Count by Collection Date with 7 Day Moving Average March 1, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.1.2021, New Mexico Department of Health.

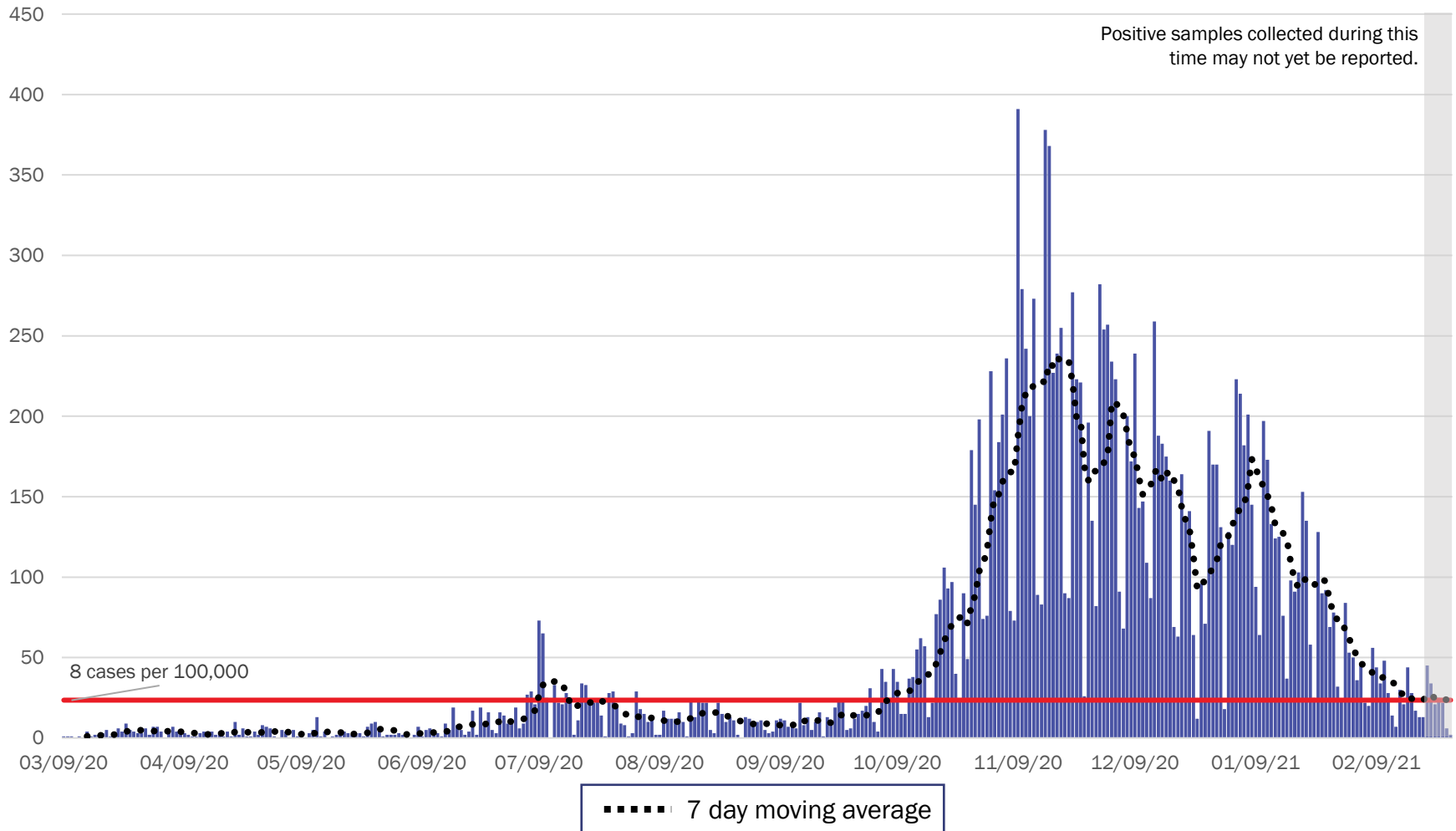


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# Northeast Region Case Count by Collection Date with 7 Day Moving Average March 1, 2021



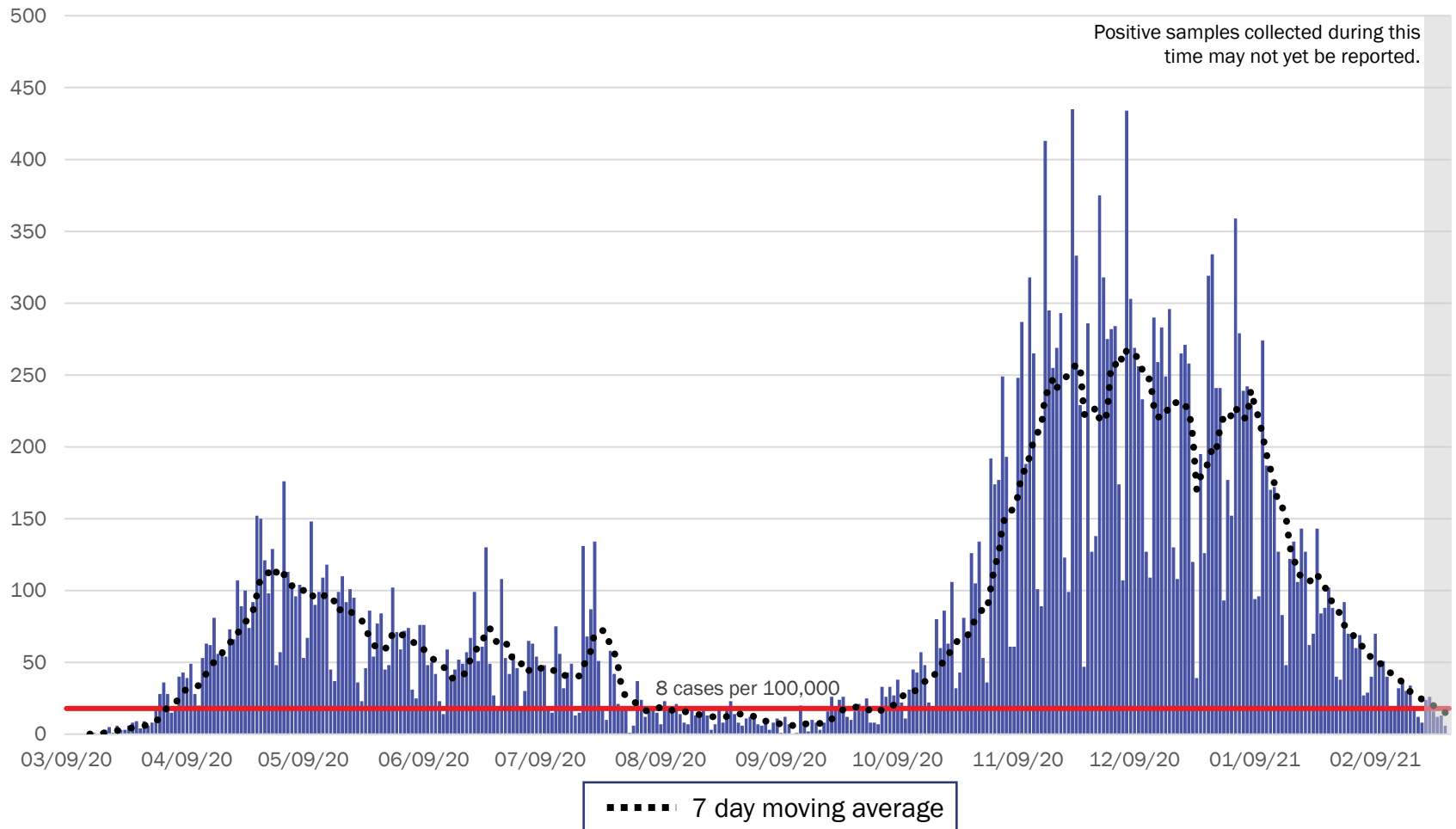
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.1.2021, New Mexico Department of Health.



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# Northwest Region Case Count by Collection Date with 7 Day Moving Average March 1, 2021



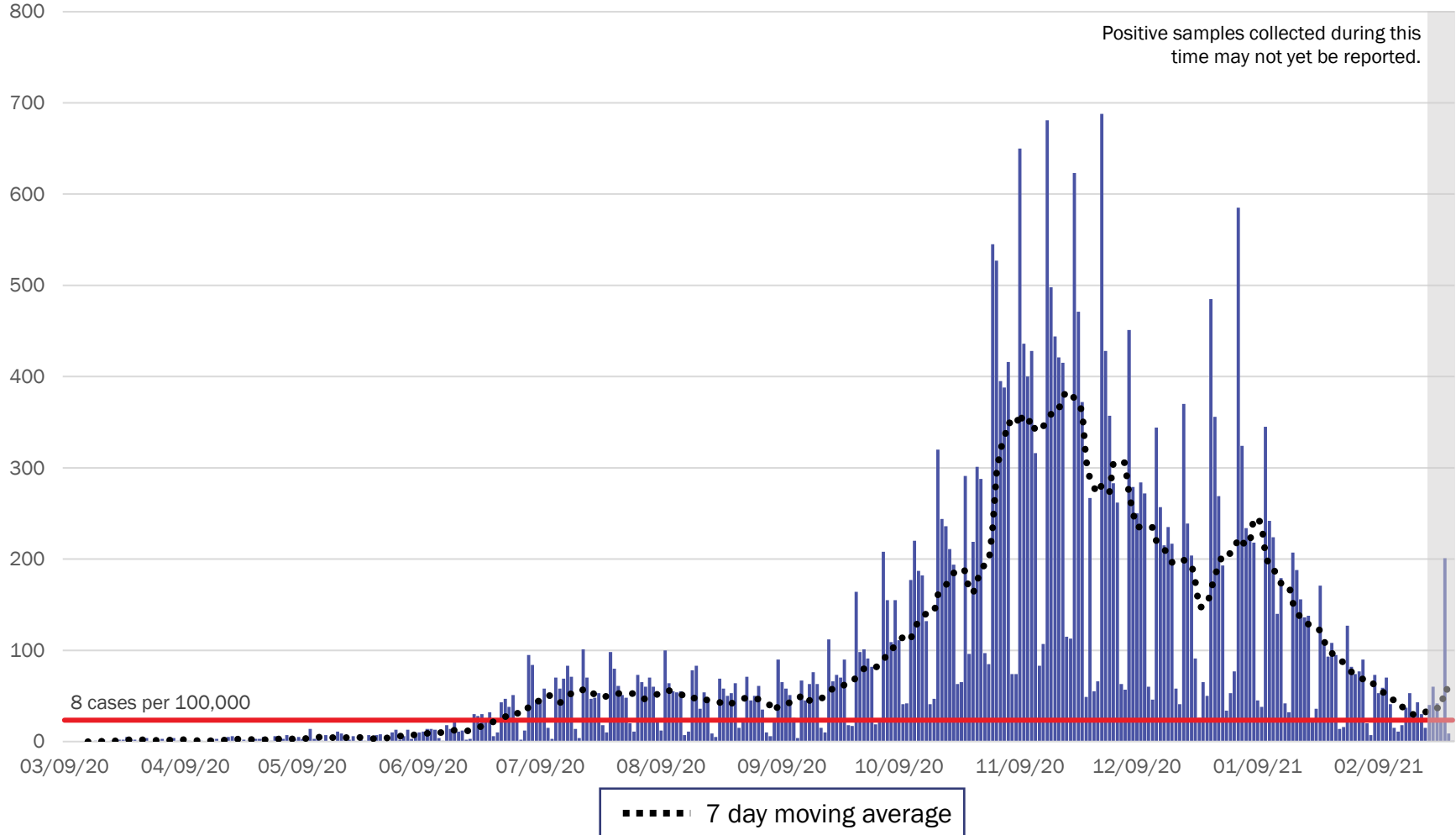
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.1.2021, New Mexico Department of Health.



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# Southeast Region Case Count by Collection Date with 7 Day Moving Average March 1, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.1.2021, New Mexico Department of Health.

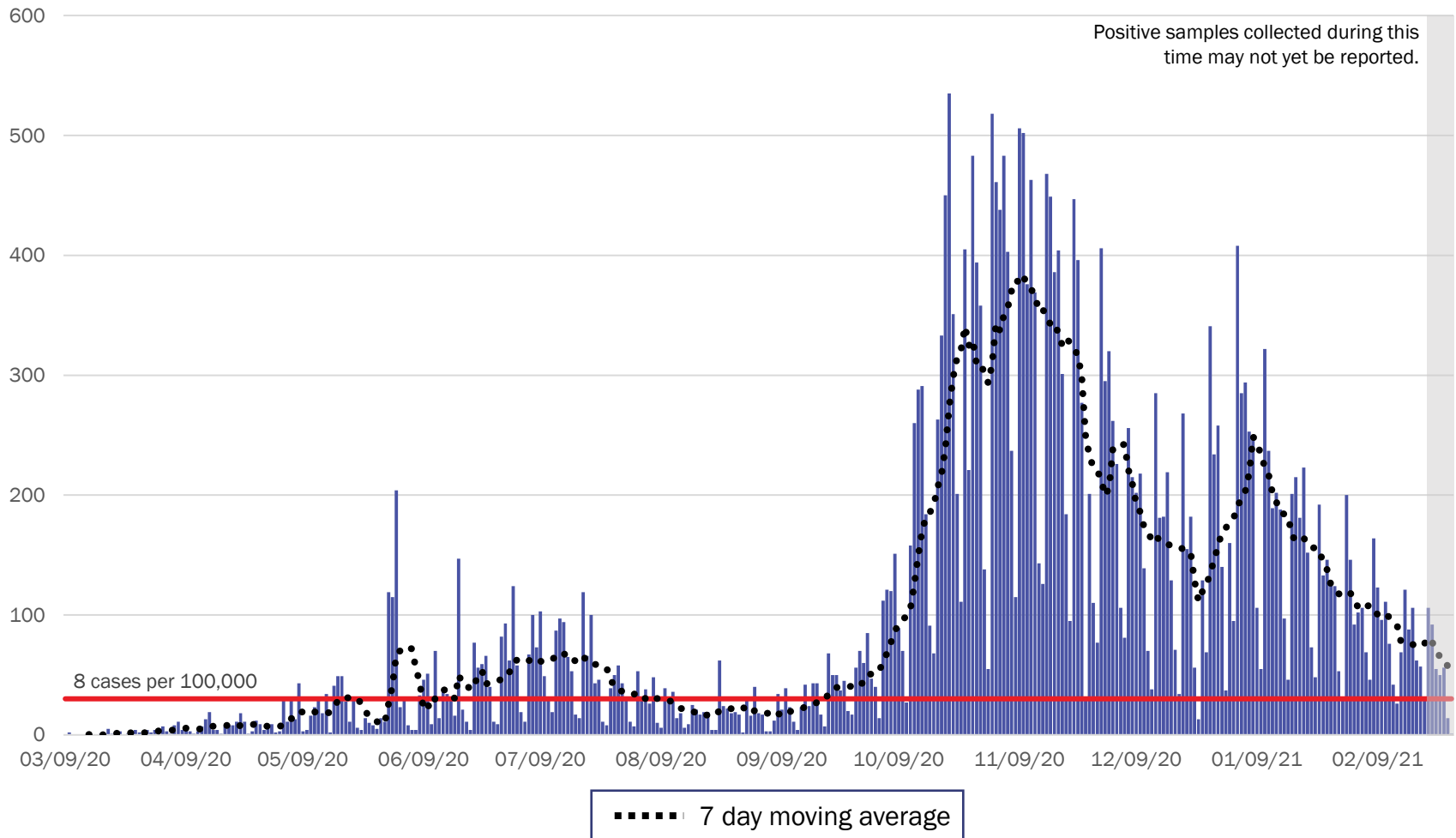


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# Southwest Region Case Count by Collection Date with 7 Day Moving Average March 1, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.1.2021, New Mexico Department of Health.



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# New Mexico Status Updates

- Case count: Statewide, the decline in daily case counts is slowing.
- Hospitalizations: Hospitalizations are declining.
- Deaths: Weekly COVID-19 deaths are 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 3.1.2021
R_Effective	Actual Measured Daily Value by key county Calculated by PHS	R_eff=1.0
Positive Test Multiplier	Calculated by PHS	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected Calculated by PHS	Medical 0.11% ICU 0.06% Vent Rate 60% of ICU Crude Case Fatality Rate 2.1%
Length of Stay	Assumed values	Medical 5 days ICU 14 days ICU on Vent 14 days