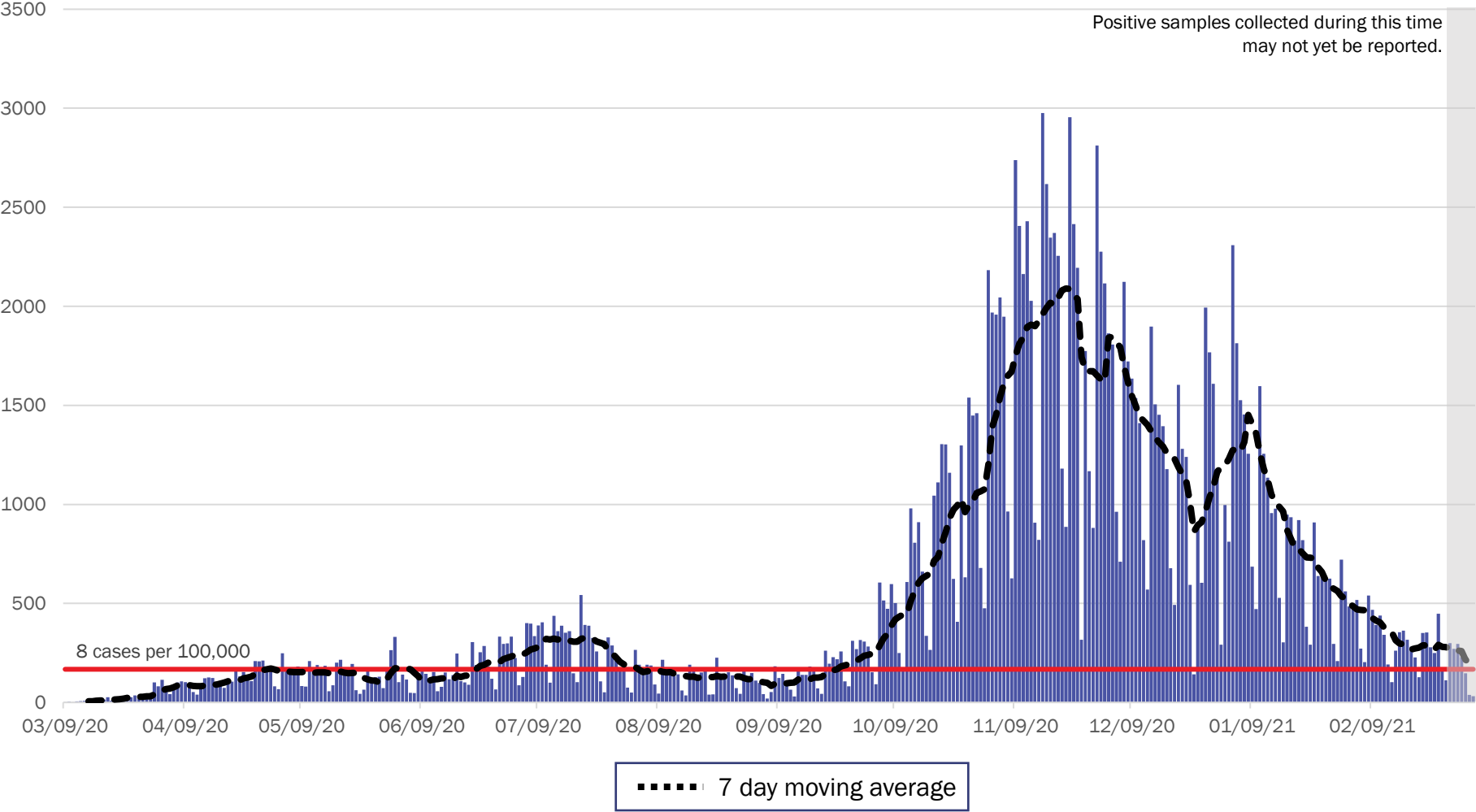


# COVID-19 in New Mexico: Epidemiologic and Modeling Update

March 9, 2021

# New Mexico COVID-19 Cases by Date of Specimen Collection March 8, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.8.2021, New Mexico Department of Health.



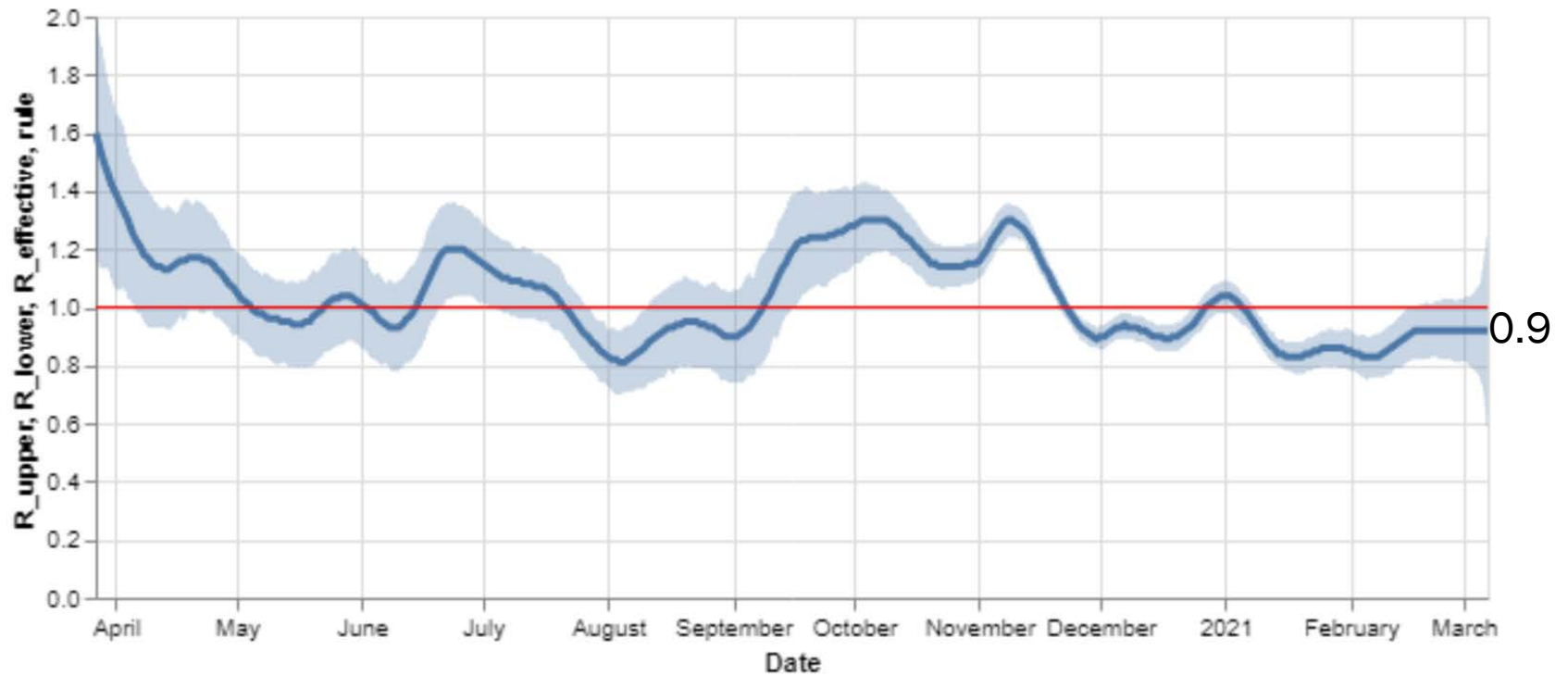
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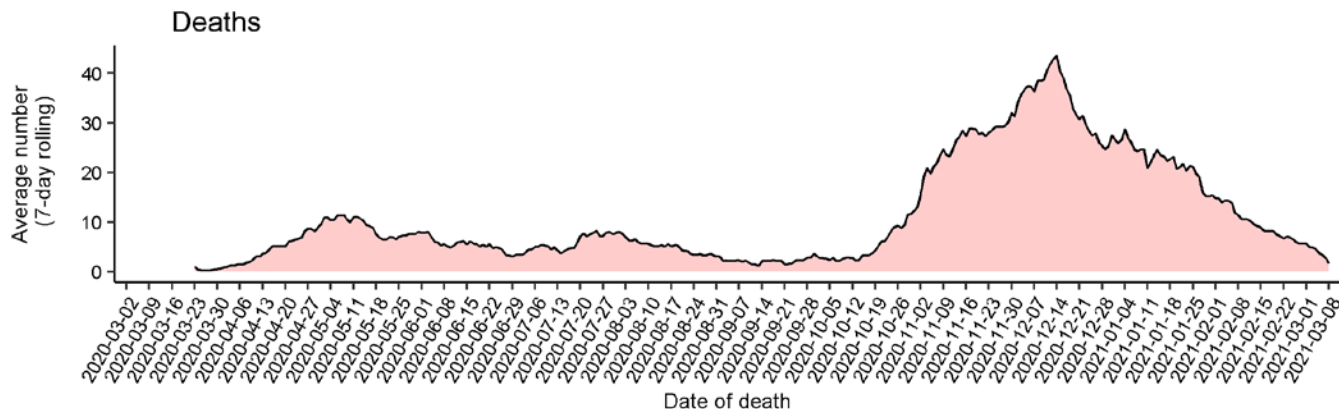
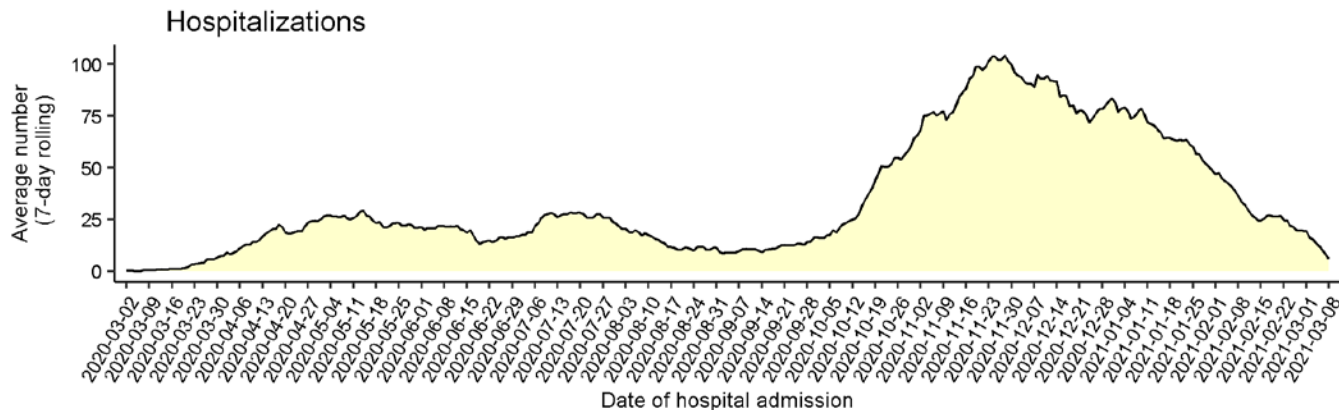
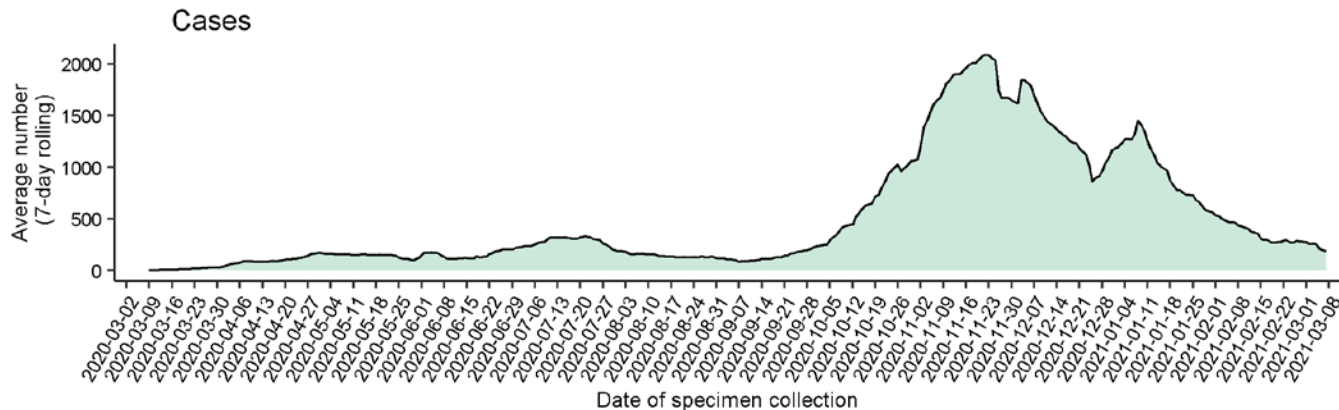
# Statewide R-effective has decreased to 0.9.

## R\_effective over time, STATE



Courtesy of Presbyterian Healthcare Services – March 8, 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 3/8/21*



**Key**

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

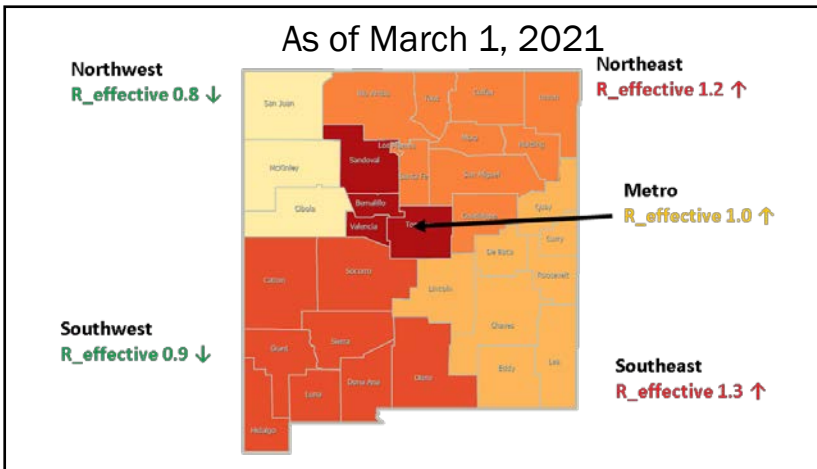
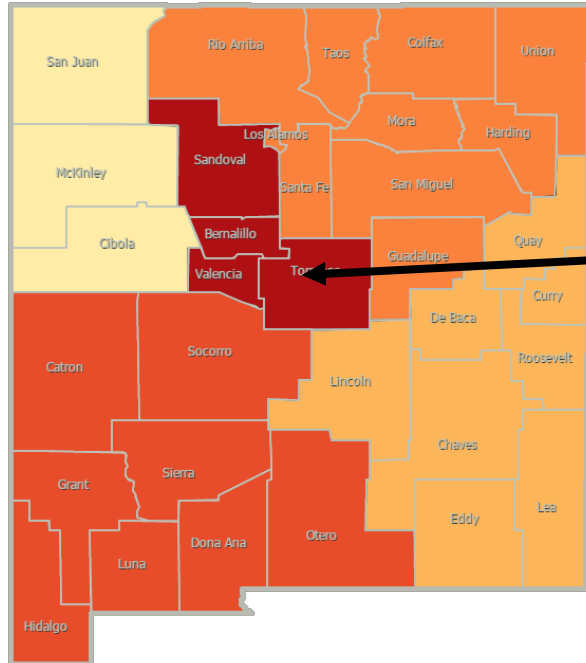
**Northwest**  
R\_effective 0.8 =

**Northeast**  
R\_effective 0.9 ↓

**Southwest**  
R\_effective 0.9 =

**Metro**  
R\_effective 1.0 =

**Southeast**  
R\_effective 0.9 ↓



Region	R-effective	95% Confidence Interval
State	0.9	[0.6, 1.3]
Metro	1.0	[0.4, 2.2]
Northeast	0.9	[0.0, 2.1]
Northwest	0.8	[0.0, 2.2]
Southeast	0.9	[0.2, 1.7]
Southwest	0.9	[0.2, 1.8]

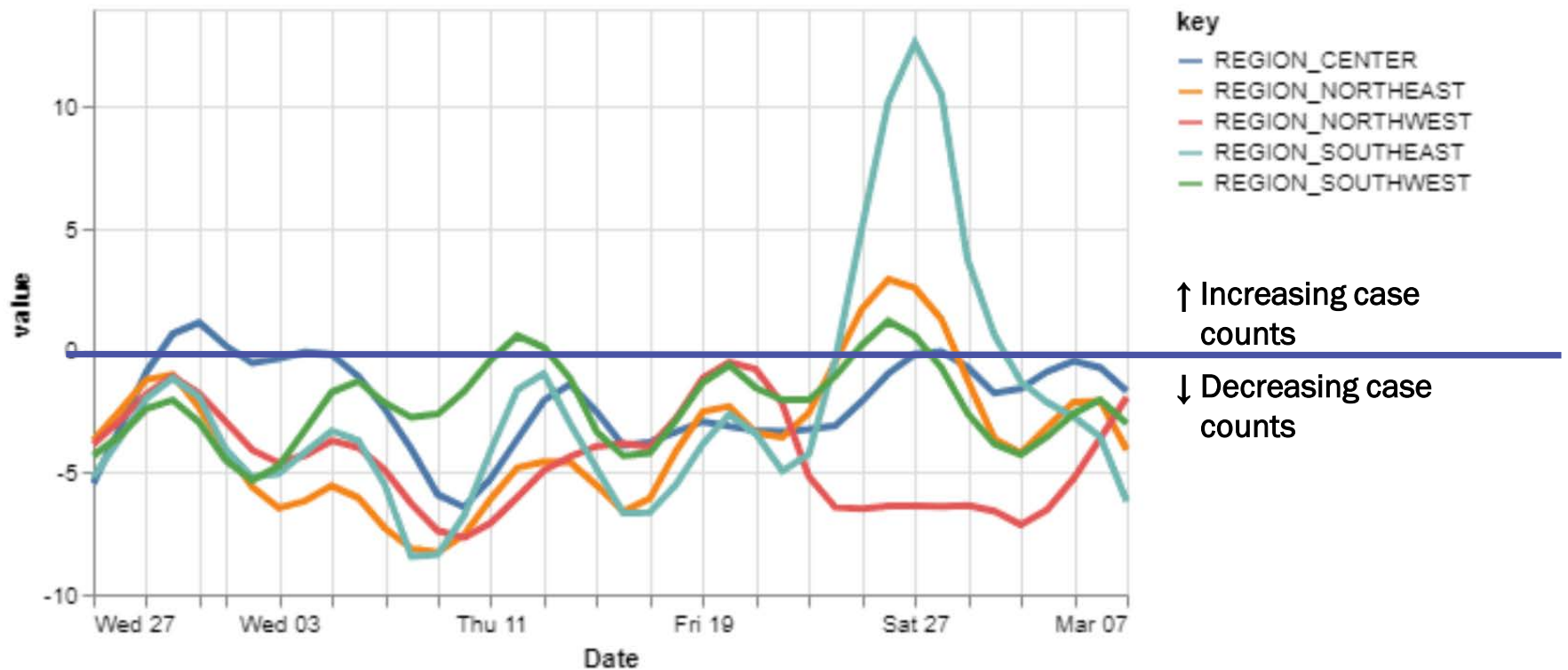
Courtesy of Presbyterian Healthcare Services – March 8, 2021.



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# All five regions have growth near or below 0.

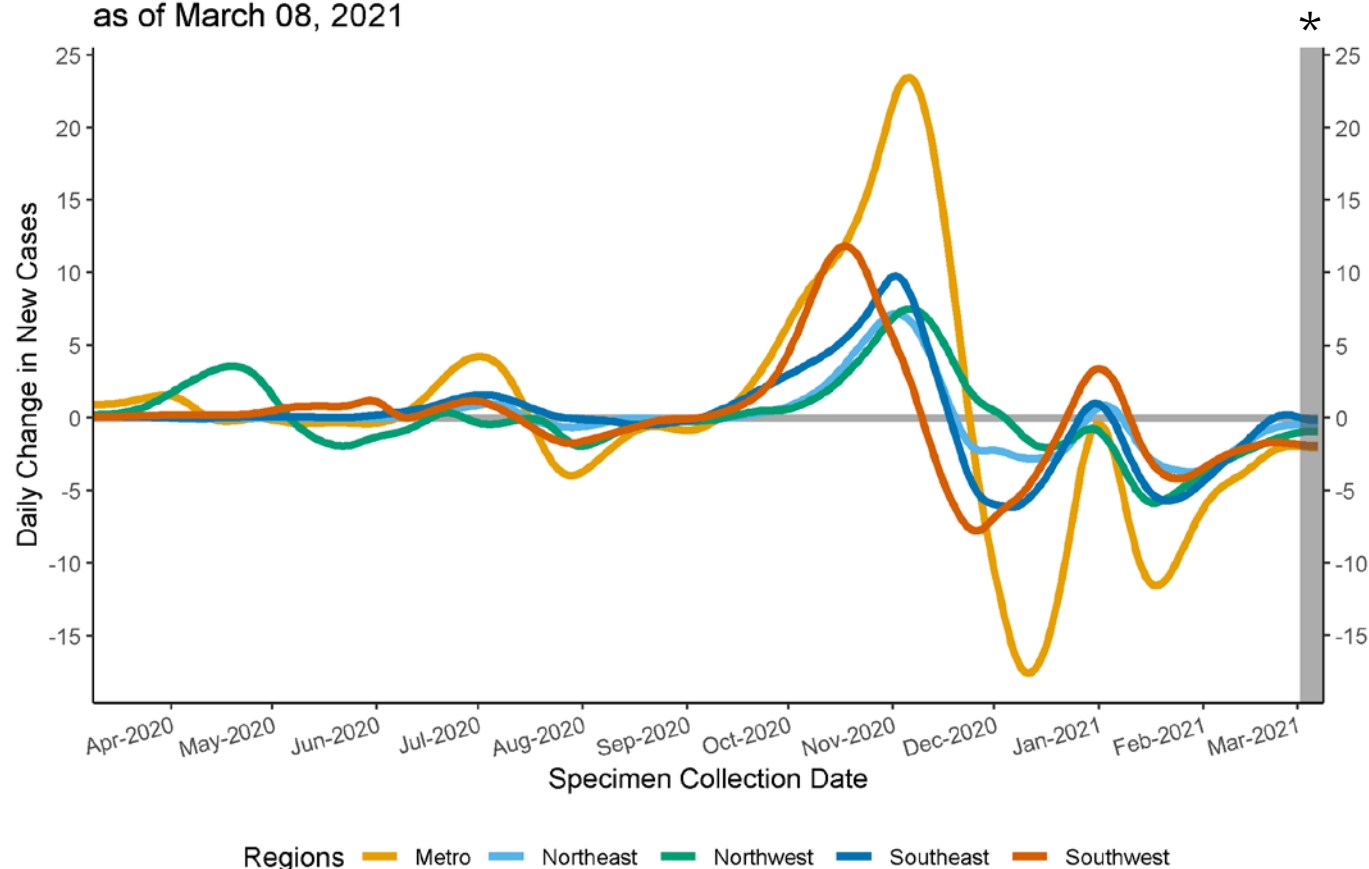
## 14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – March 8, 2021.

# Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of March 08, 2021

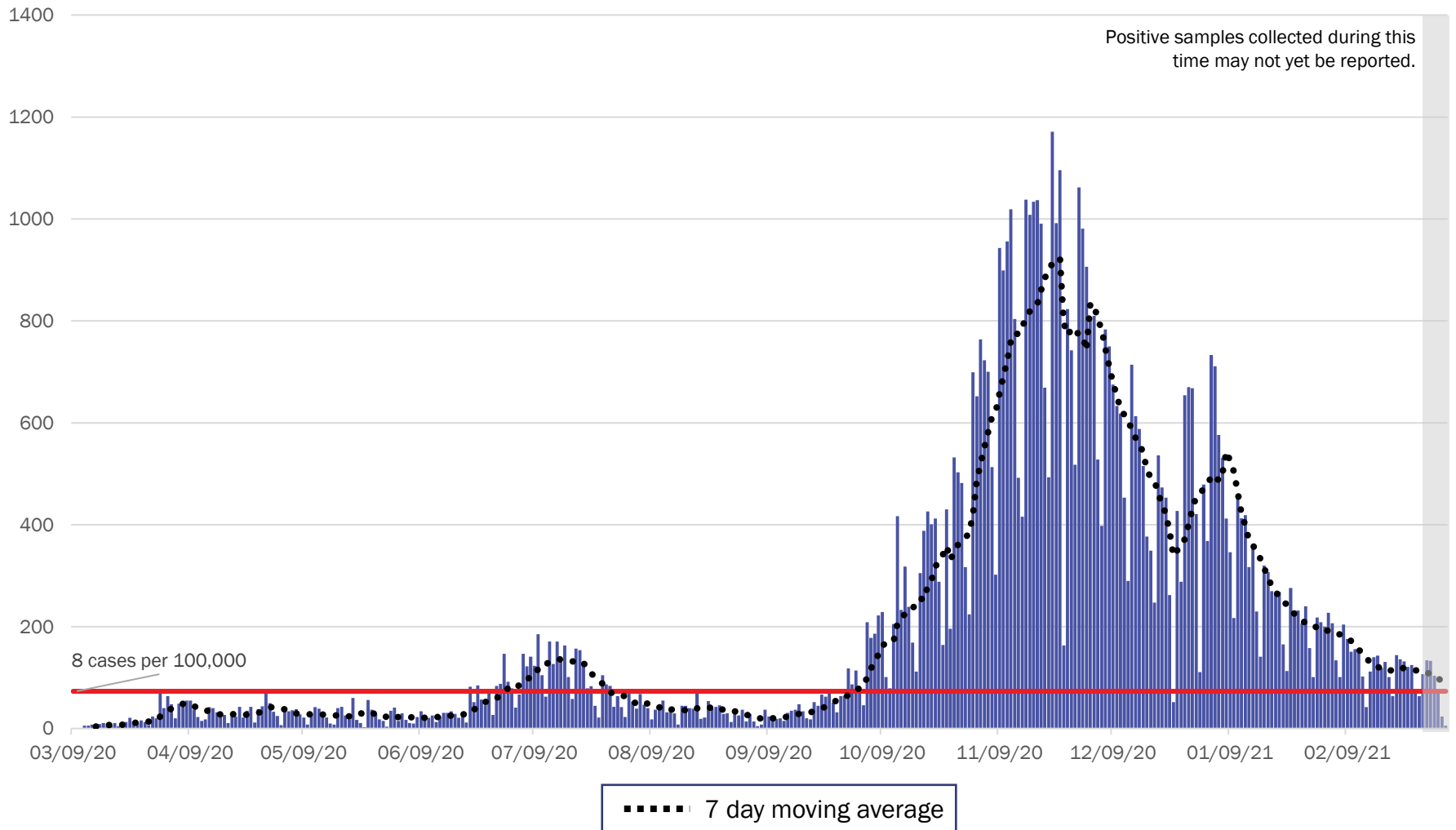


Region	Growth Acceleration March 01, 2021
Metro	-1.9
Northeast	-0.5
Northwest	-1.0
Southeast	0.1
Southwest	-1.8

\*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 3.8.2021, New Mexico Department of Health.

# Metro Region Case Count by Collection Date with 7 Day Moving Average March 8, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.8.2021, New Mexico Department of Health.

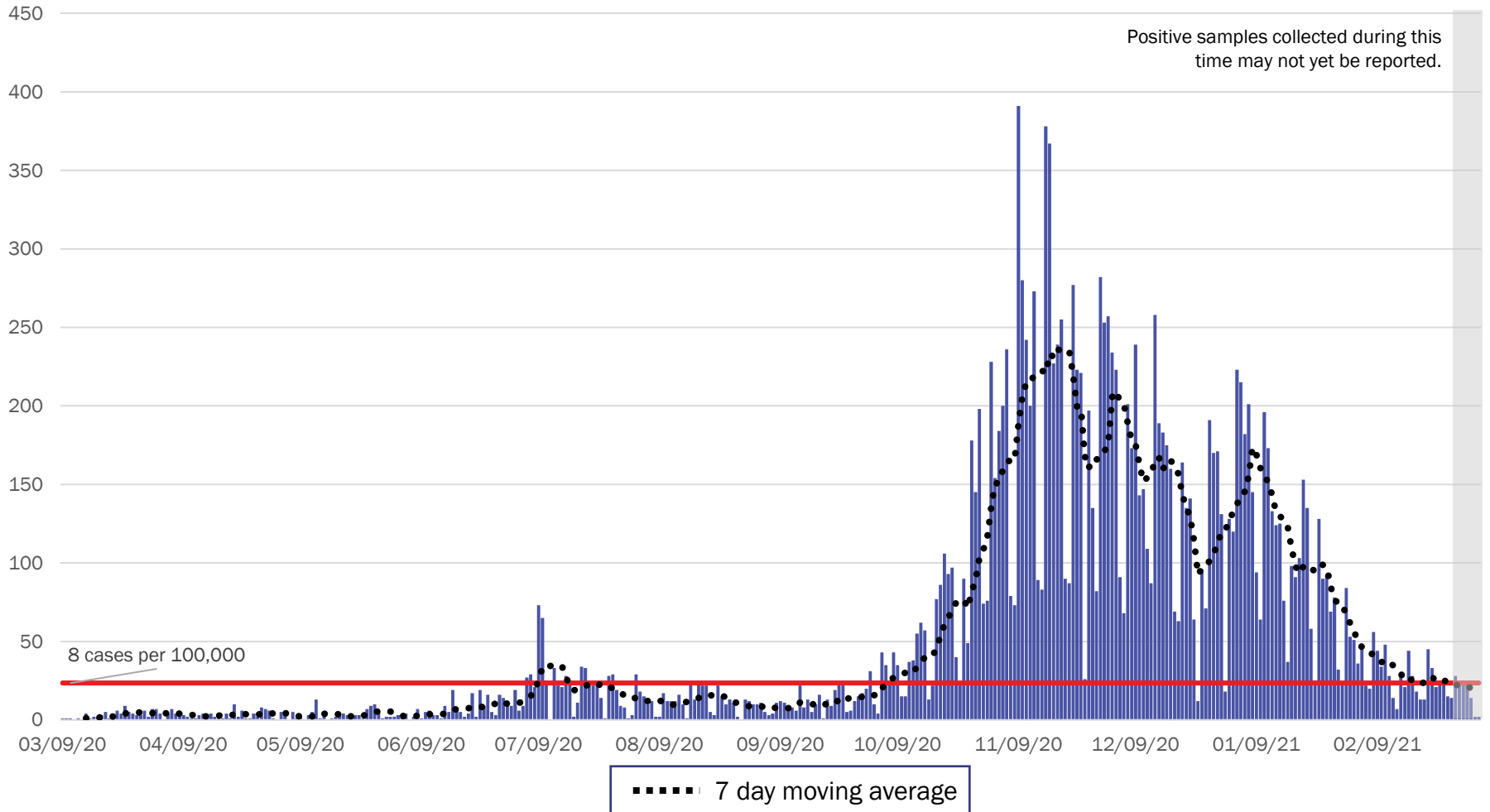


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# Northeast Region Case Count by Collection Date with 7 Day Moving Average March 8, 2021

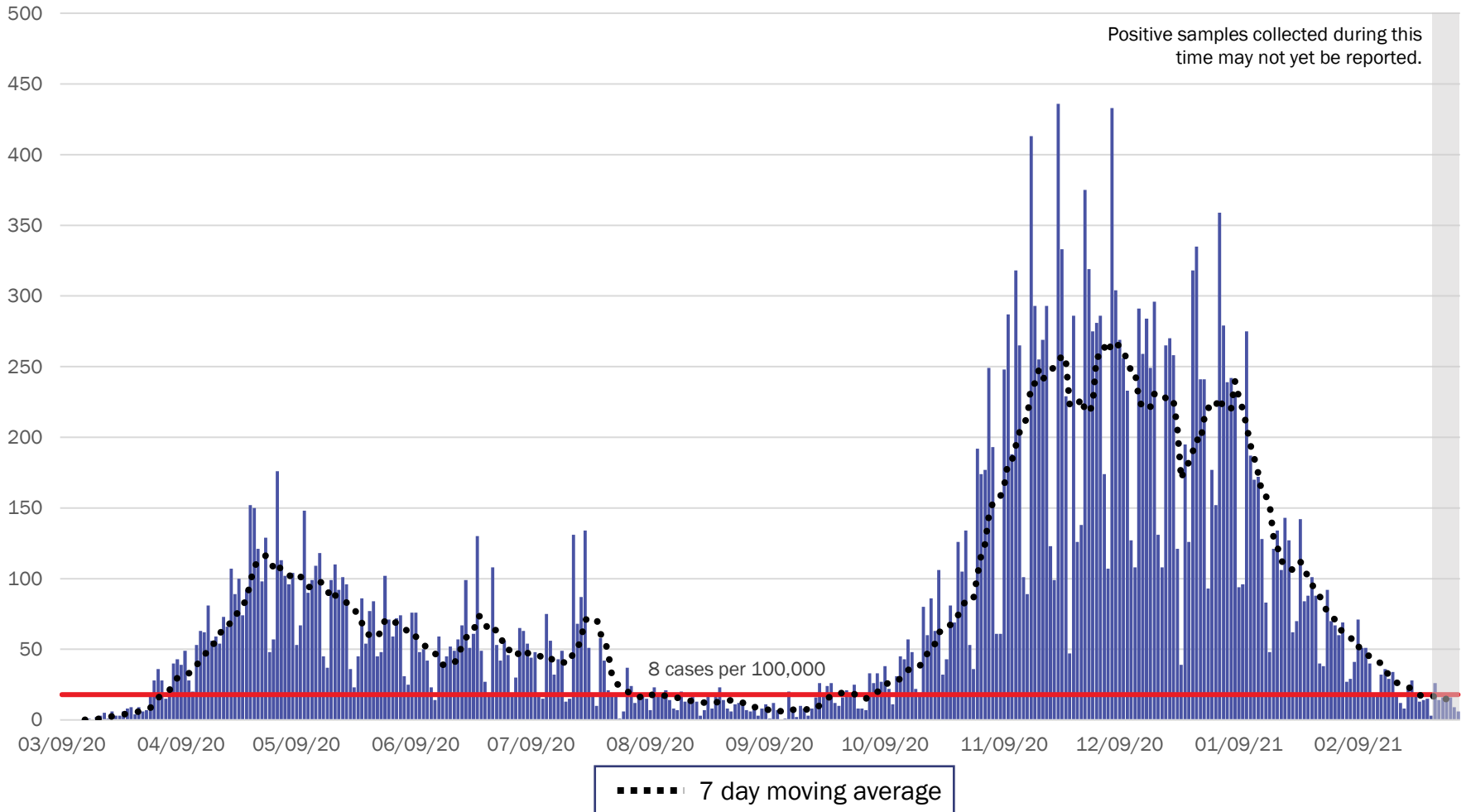


Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.8.2021, New Mexico Department of Health.



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# Northwest Region Case Count by Collection Date with 7 Day Moving Average March 8, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.8.2021, New Mexico Department of Health.



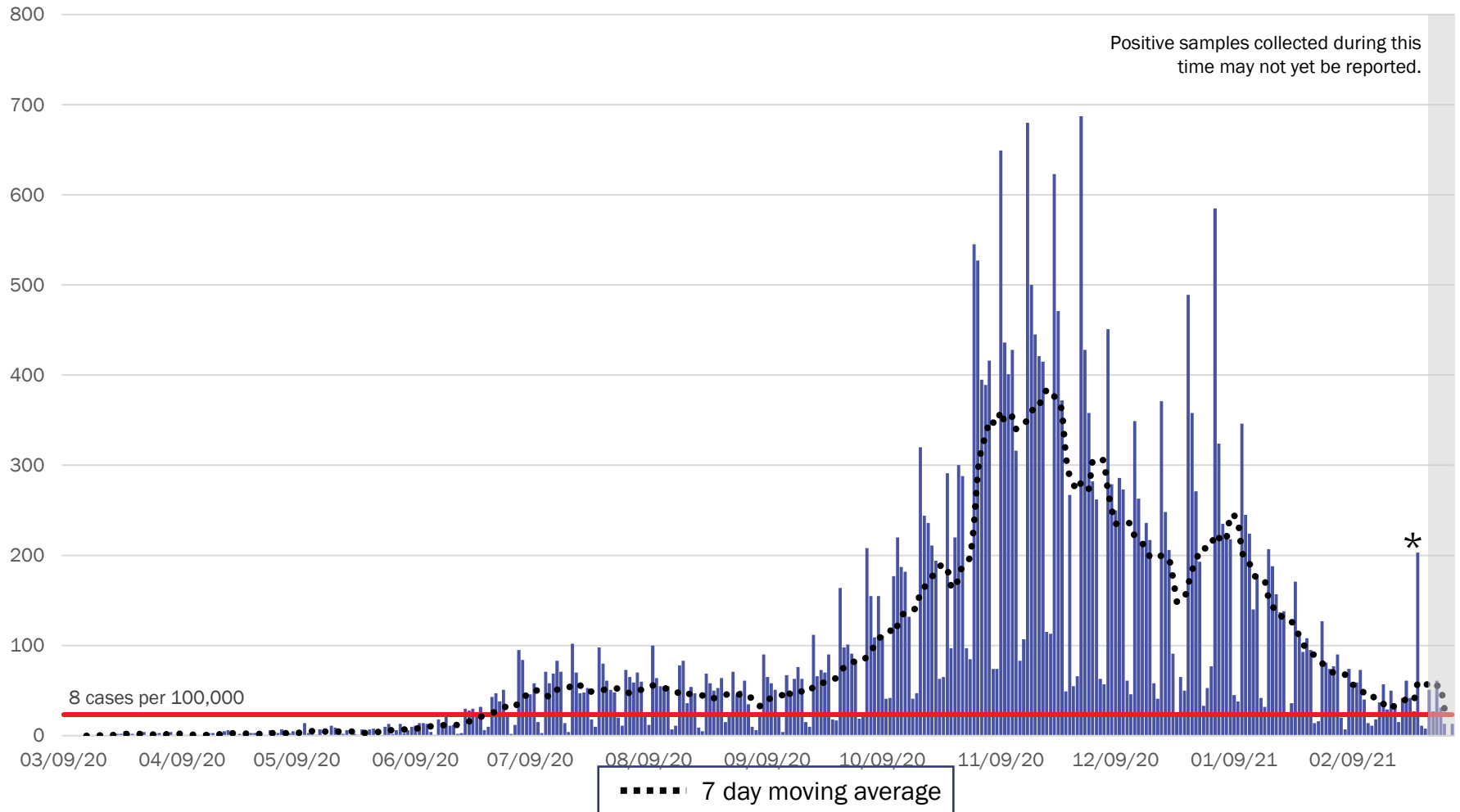
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# Southeast Region Case Count by Collection Date with 7 Day Moving Average

## March 8, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.8.2021, New Mexico Department of Health.

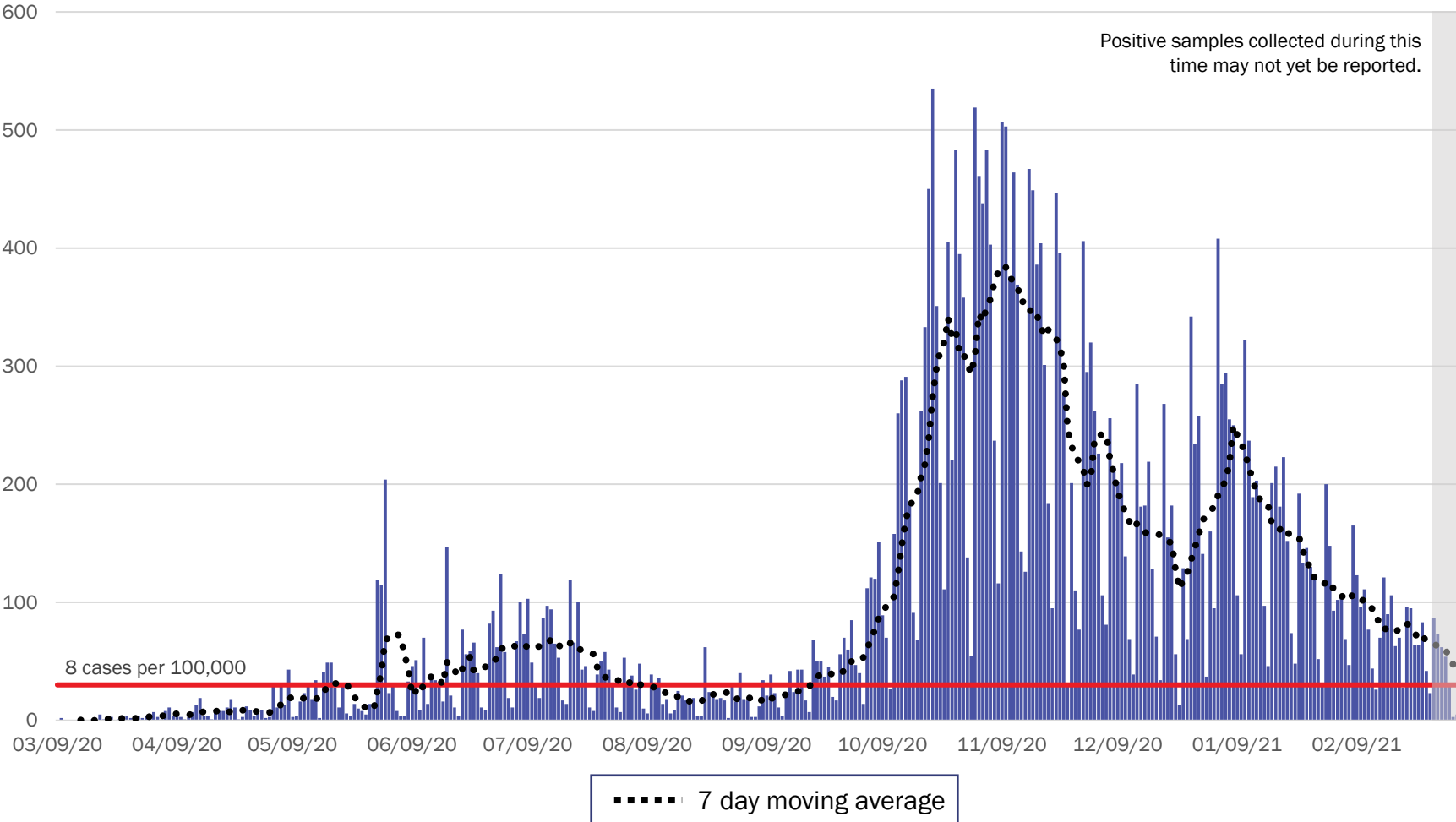
\*Large spike in cases on February 26, 2021 is the result of a testing event in response to a correctional/detention facility outbreak.



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# Southwest Region Case Count by Collection Date with 7 Day Moving Average March 8, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.8.2021, 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 3.8.2021
R_Effective	Actual Measured Daily Value by key county Calculated by PHS	R_eff=0.9
Positive Test Multiplier	Calculated by PHS	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected Calculated by PHS	Medical 4.2% ICU 2.3% 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