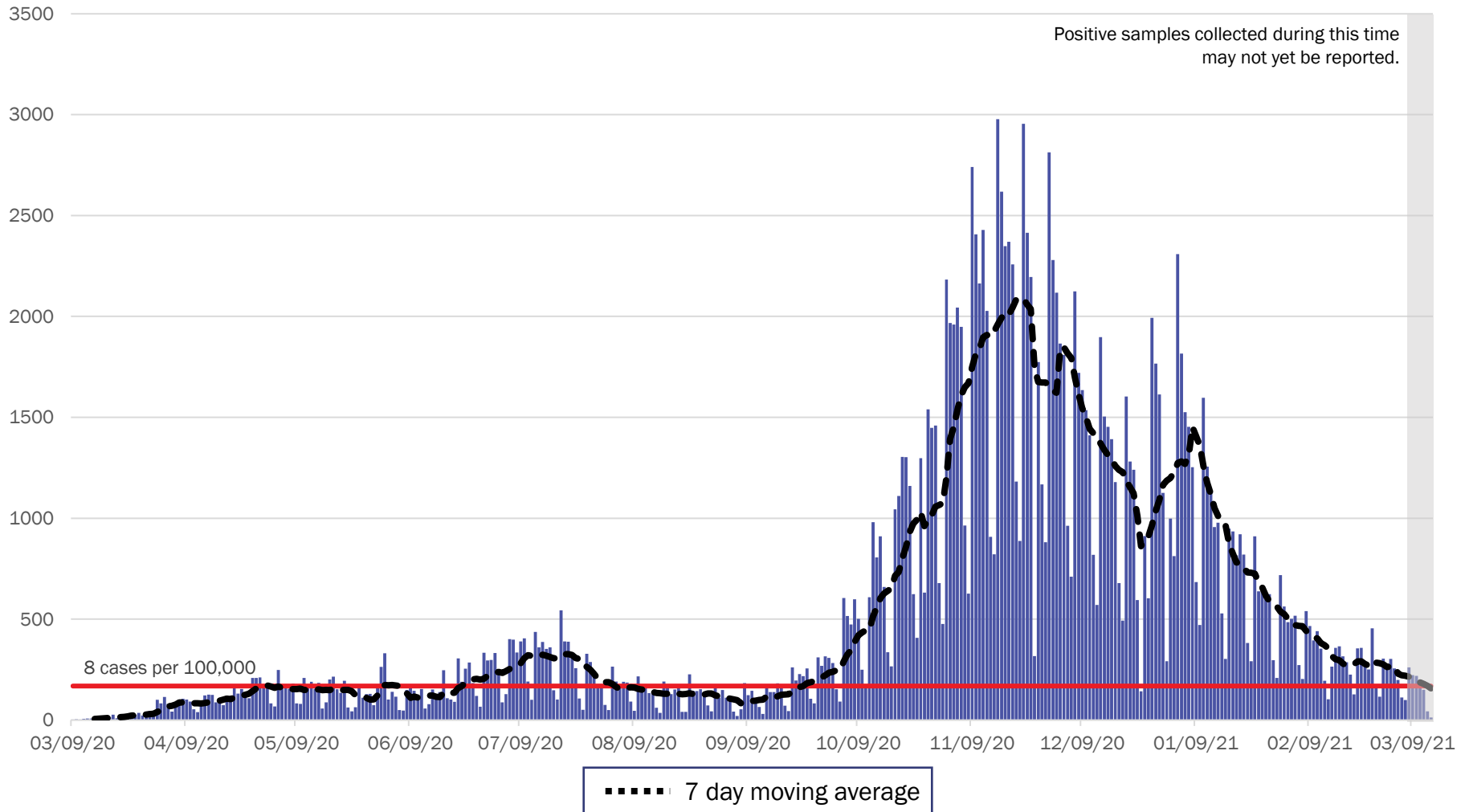


COVID-19 in New Mexico: Epidemiologic and Modeling Update

March 16, 2021

New Mexico COVID-19 Cases by Date of Specimen Collection

March 15, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.15.2021, New Mexico Department of Health.

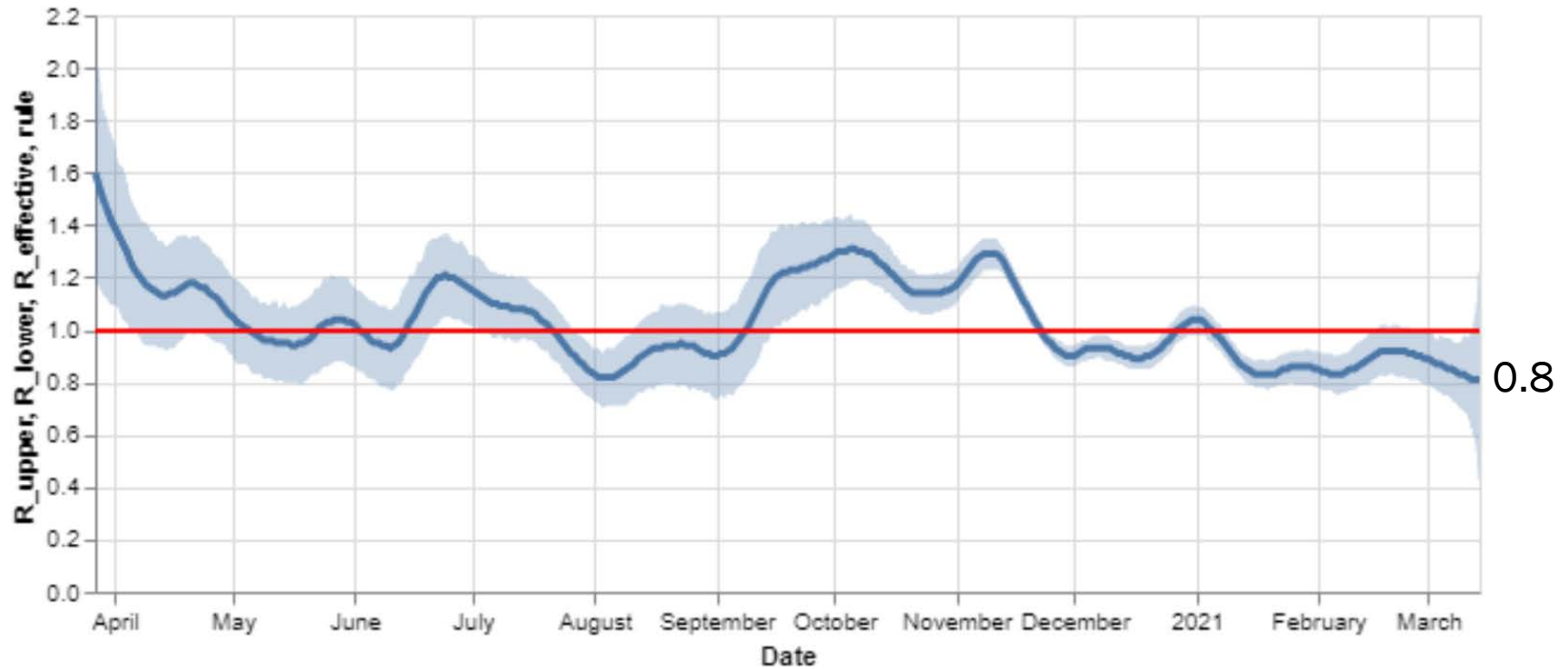


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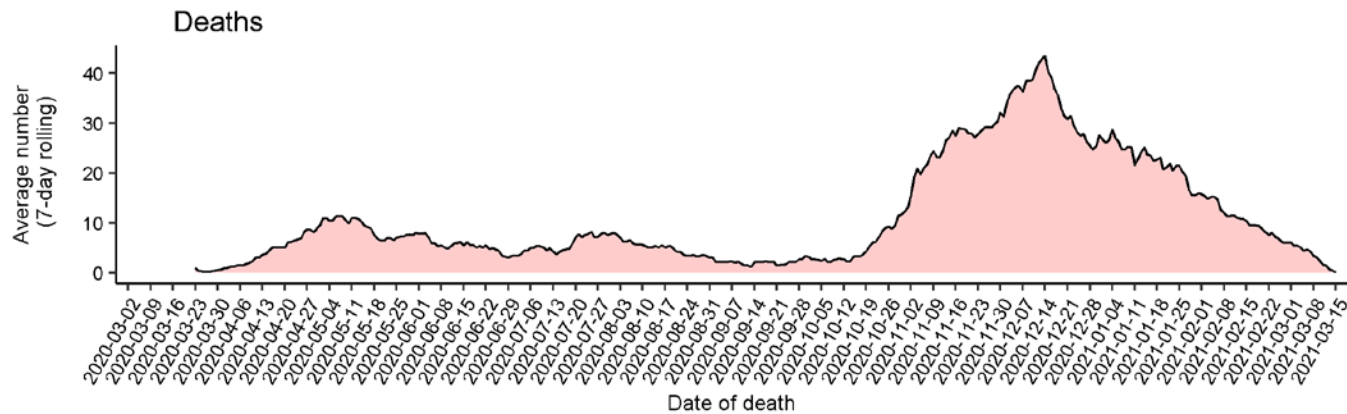
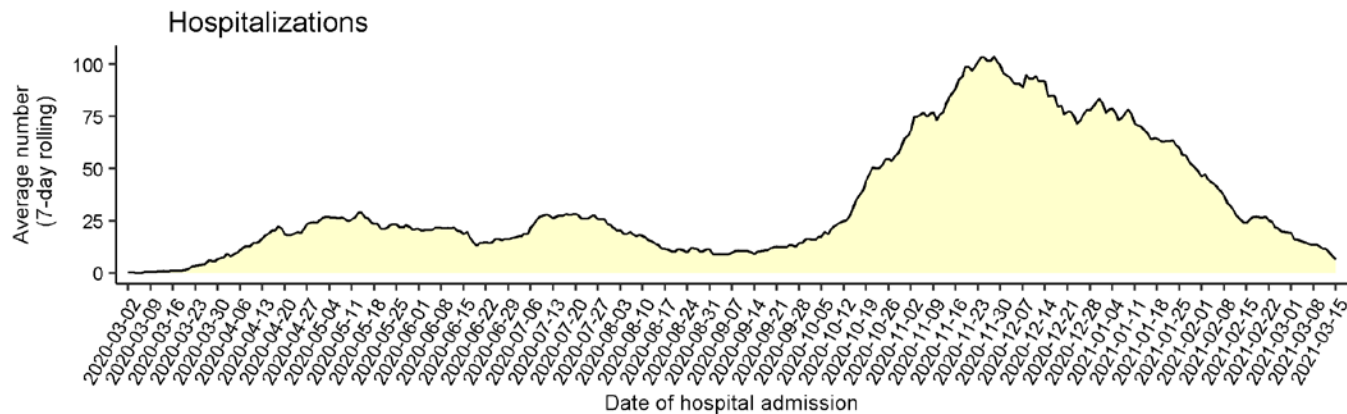
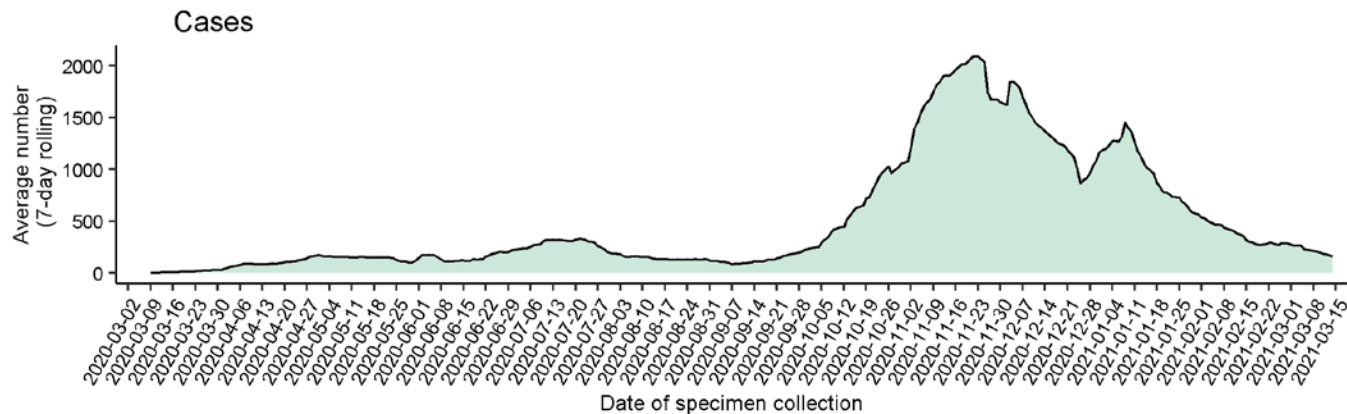
Statewide R-effective has decreased to 0.8.

R_effective over time, STATE



Courtesy of Presbyterian Healthcare Services – March 15, 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 3/15/21



Key

Low Level Endemic
<1.0

Approaching Low Level Endemic
1.0

Requiring further mitigation
>1.0

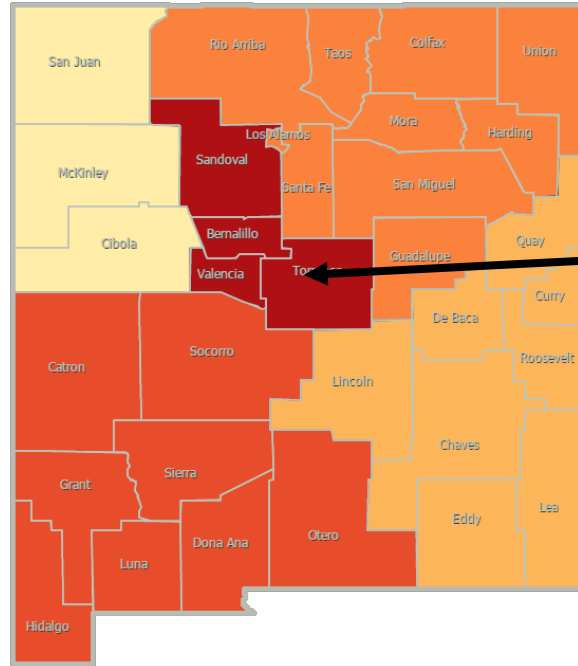
Northwest
R_effective 0.8 =

Northeast
R_effective 1.0 ↑

Metro
R_effective 0.9 ↓

Southwest
R_effective 0.9 =

Southeast
R_effective 0.3 ↓



As of March 8, 2021

Northwest
R_effective 0.8 =

Northeast
R_effective 0.9 ↓

Metro
R_effective 1.0 =

Southwest
R_effective 0.9 =

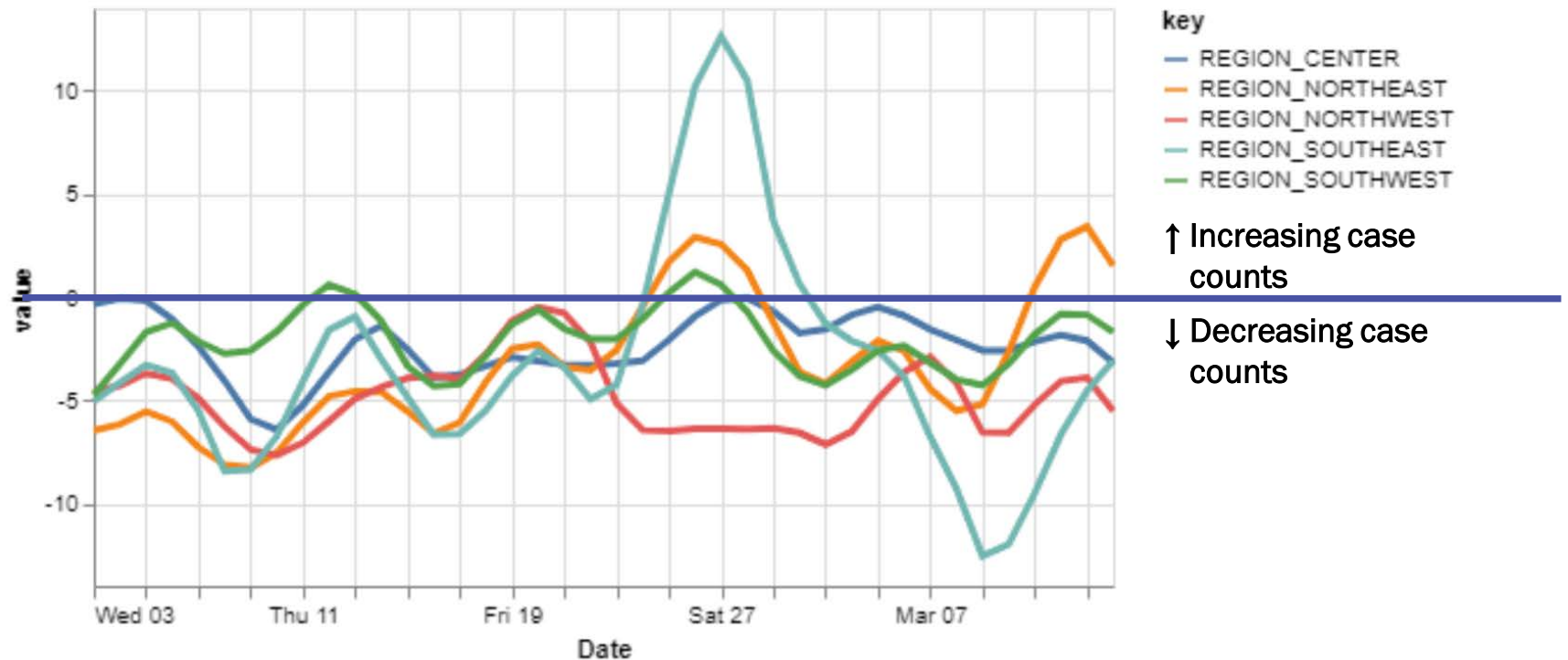
Southeast
R_effective 0.9 ↓

Region	R-effective	95% Confidence Interval
State	0.8	[0.4, 1.3]
Metro	0.9	[0.3, 1.7]
Northeast	1.0	[0.0, 2.6]
Northwest	0.8	[0.0, 3.2]
Southeast	0.3	[0.0, 1.7]
Southwest	0.9	[0.2, 1.8]

Courtesy of Presbyterian Healthcare Services – March 15, 2021.

Four regions have growth near or below 0.

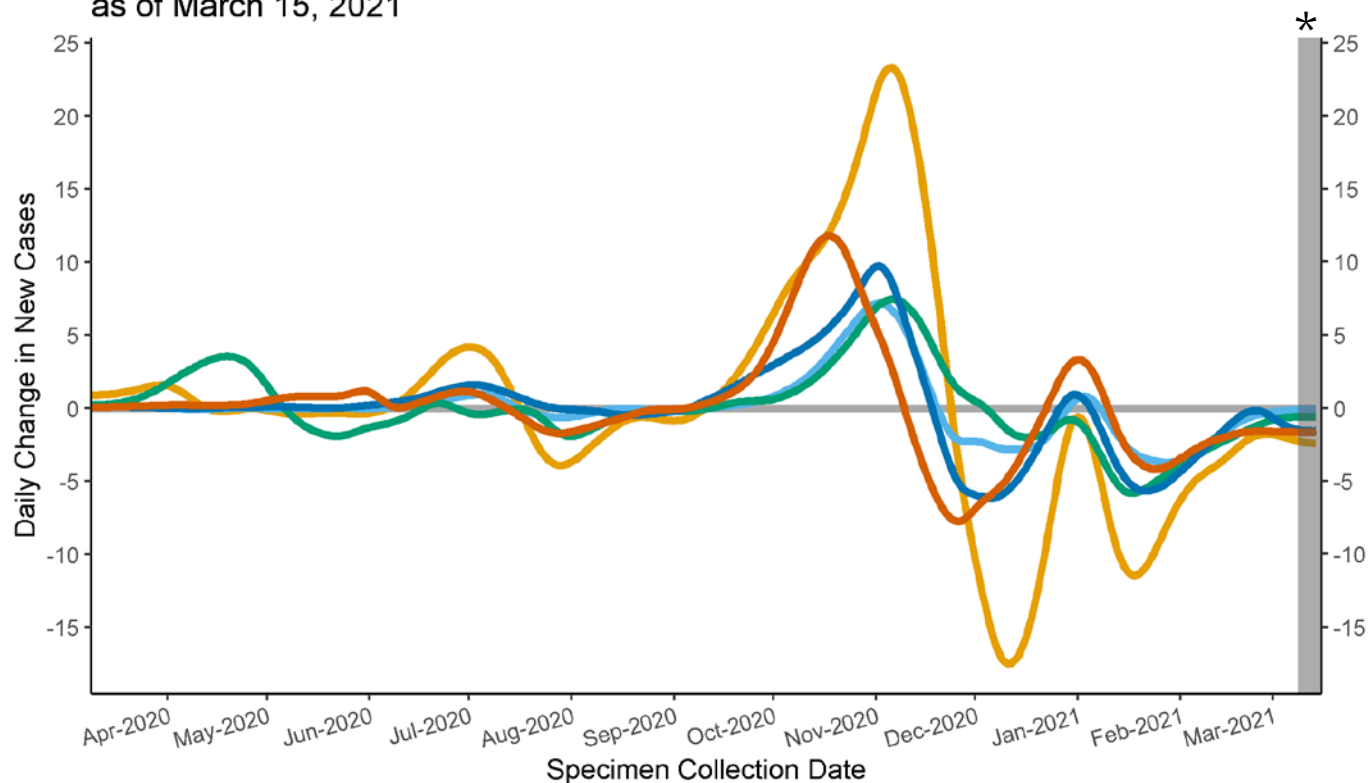
14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – March 15, 2021.

Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of March 15, 2021



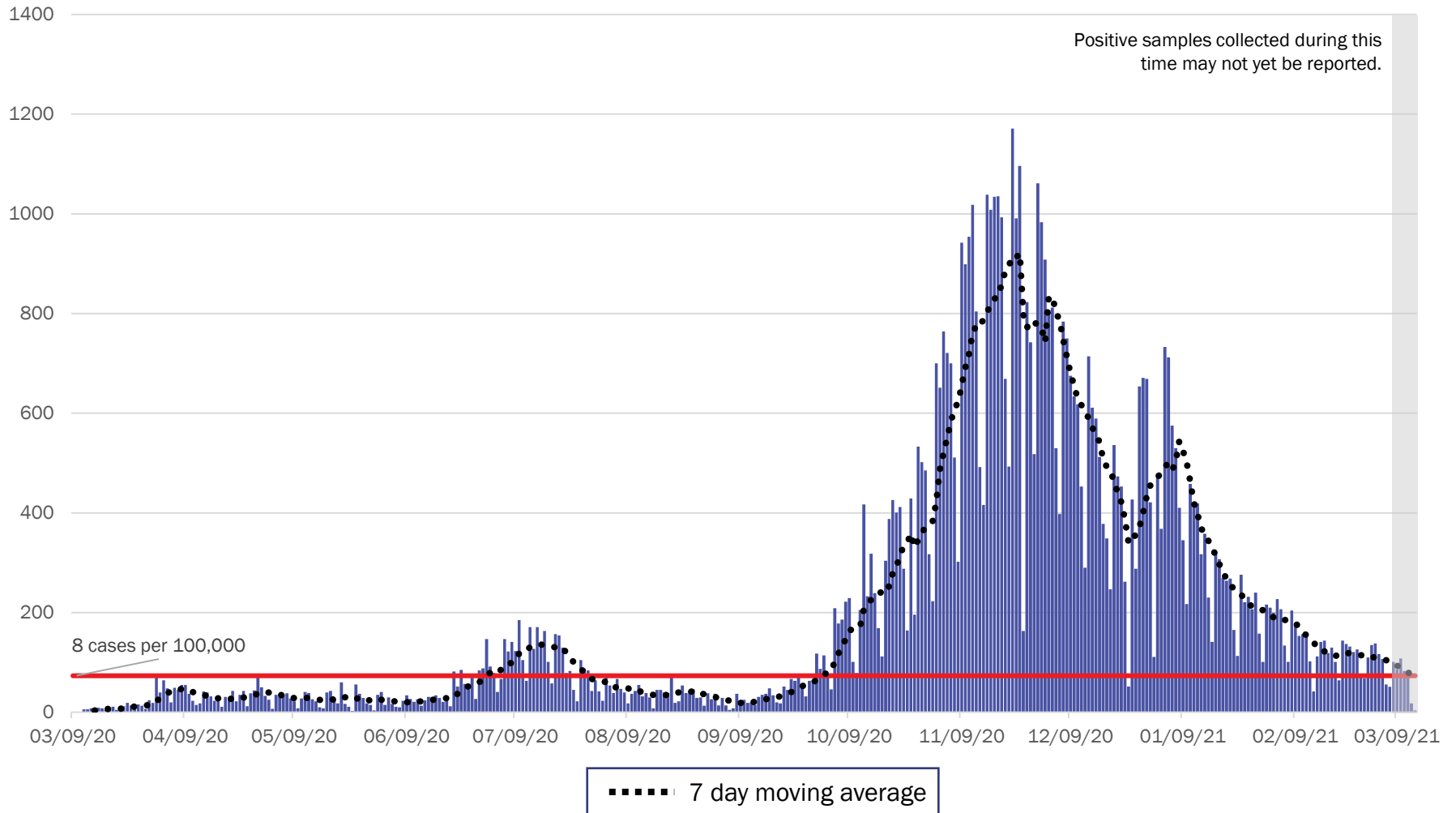
Region	Growth Acceleration March 08, 2021
Metro	-2.2
Northeast	-0.1
Northwest	-0.6
Southeast	-1.5
Southwest	-1.6

Regions ■ Metro ■ Northeast ■ Northwest ■ Southeast ■ Southwest

*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 3.15.2021, New Mexico Department of Health.

Metro Region Case Count by Collection Date with 7 Day Moving Average March 15, 2021



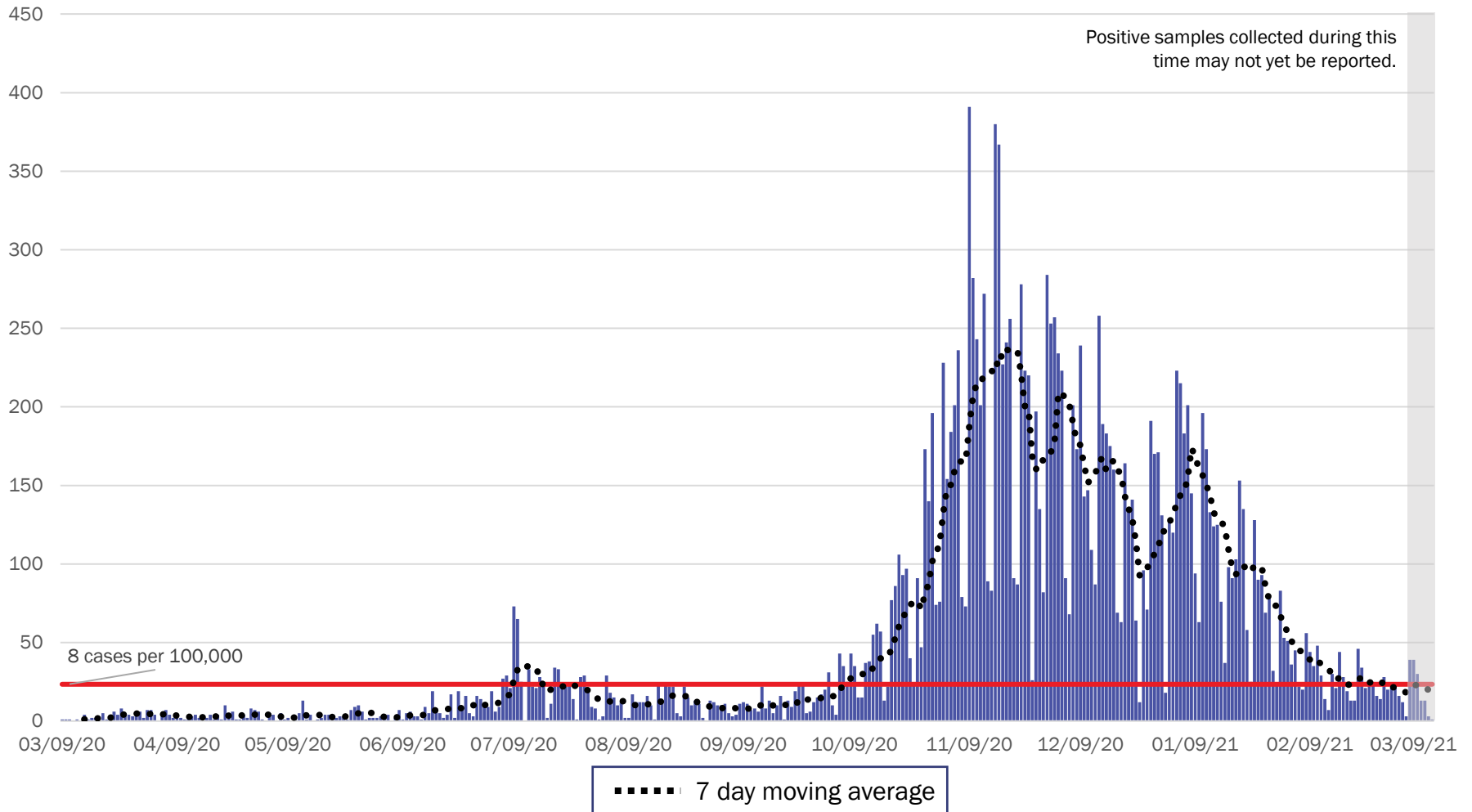
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.15.2021, New Mexico Department of Health.



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Northeast Region Case Count by Collection Date with 7 Day Moving Average March 15, 2021



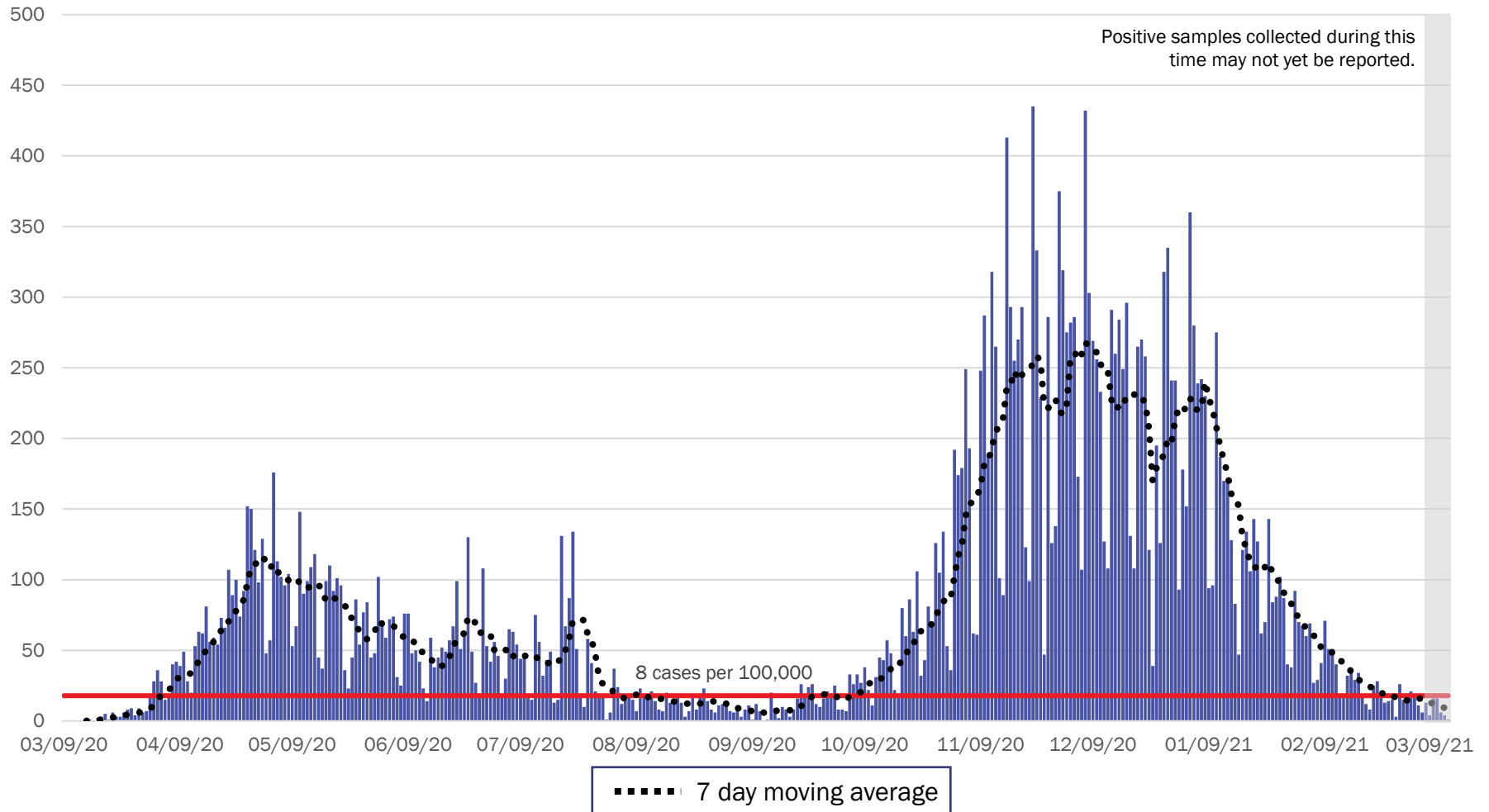
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.15.2021, New Mexico Department of Health.



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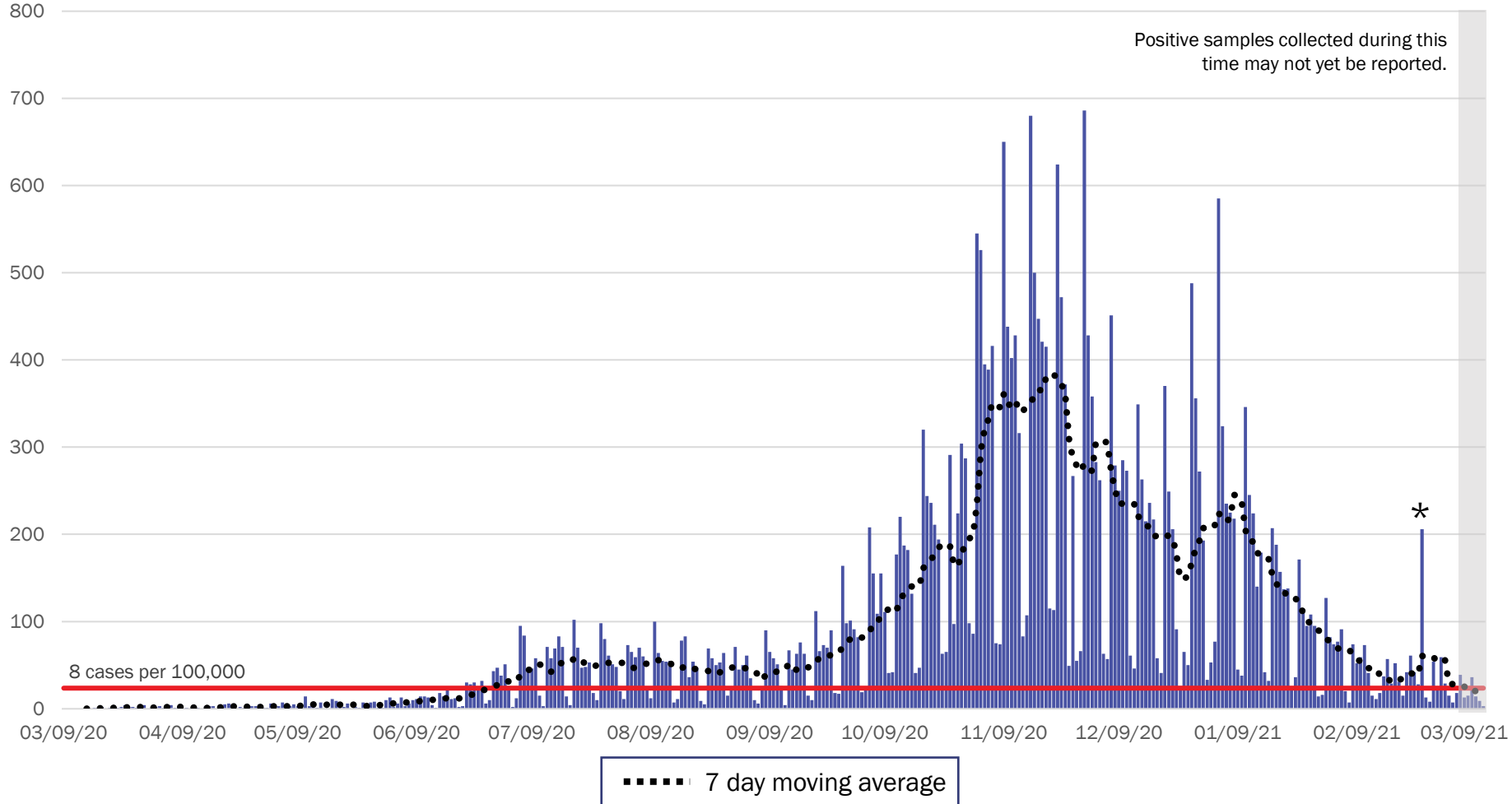
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Northwest Region Case Count by Collection Date with 7 Day Moving Average March 15, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.15.2021, New Mexico Department of Health.

Southeast Region Case Count by Collection Date with 7 Day Moving Average March 15, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.15.2021, 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.

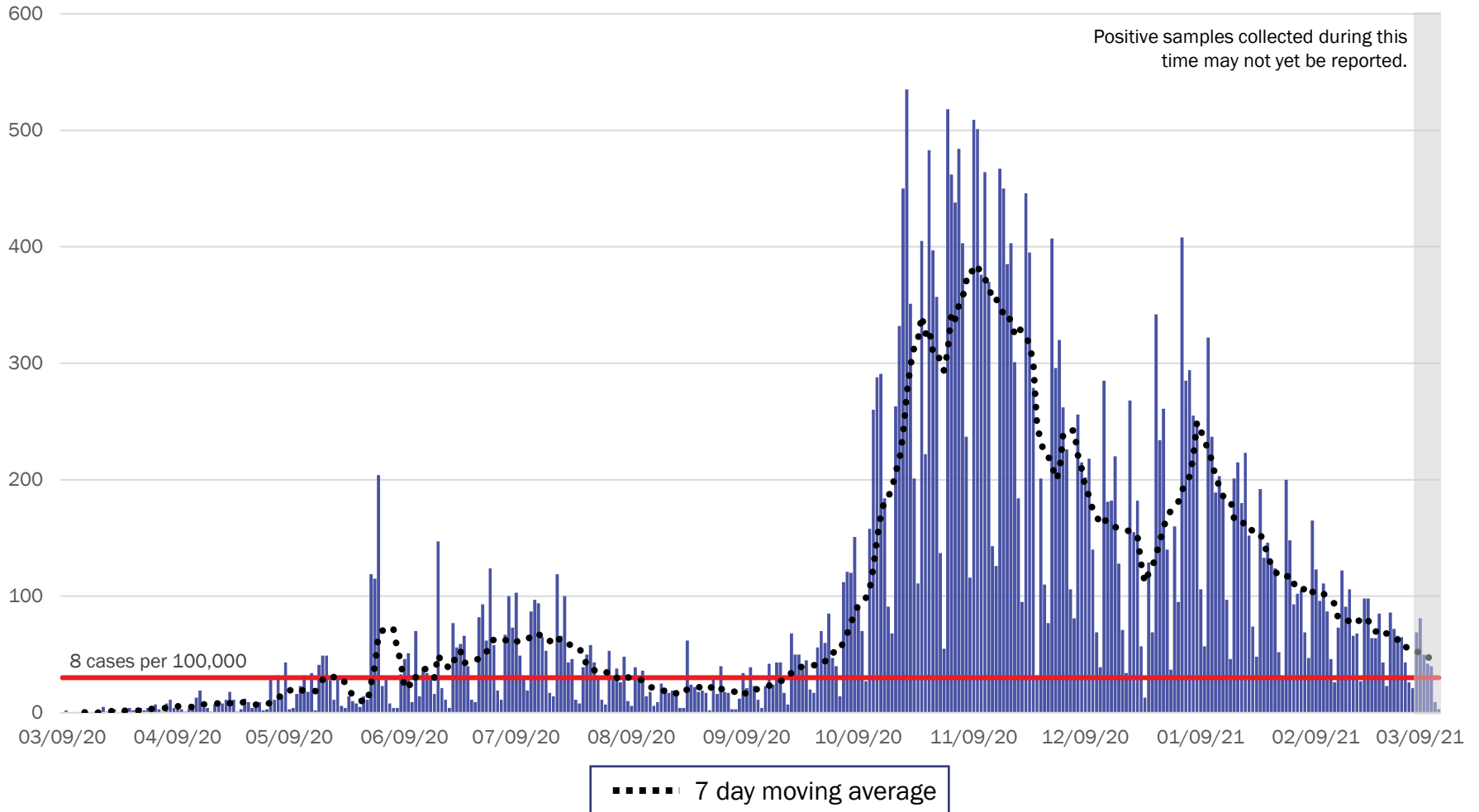


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Southwest Region Case Count by Collection Date with 7 Day Moving Average March 15, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.15.2021, 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 3.15.2021
R_Effective	Actual Measured Daily Value by key county Calculated by PHS	R_eff=0.8
Positive Test Multiplier	Calculated by PHS	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected Calculated by PHS	Medical 4.17% ICU 2.07% Vent Rate 70% of ICU Crude Case Fatality Rate 2.1%
Length of Stay	Assumed values	Medical 5 days ICU 14 days ICU on Vent 14 days