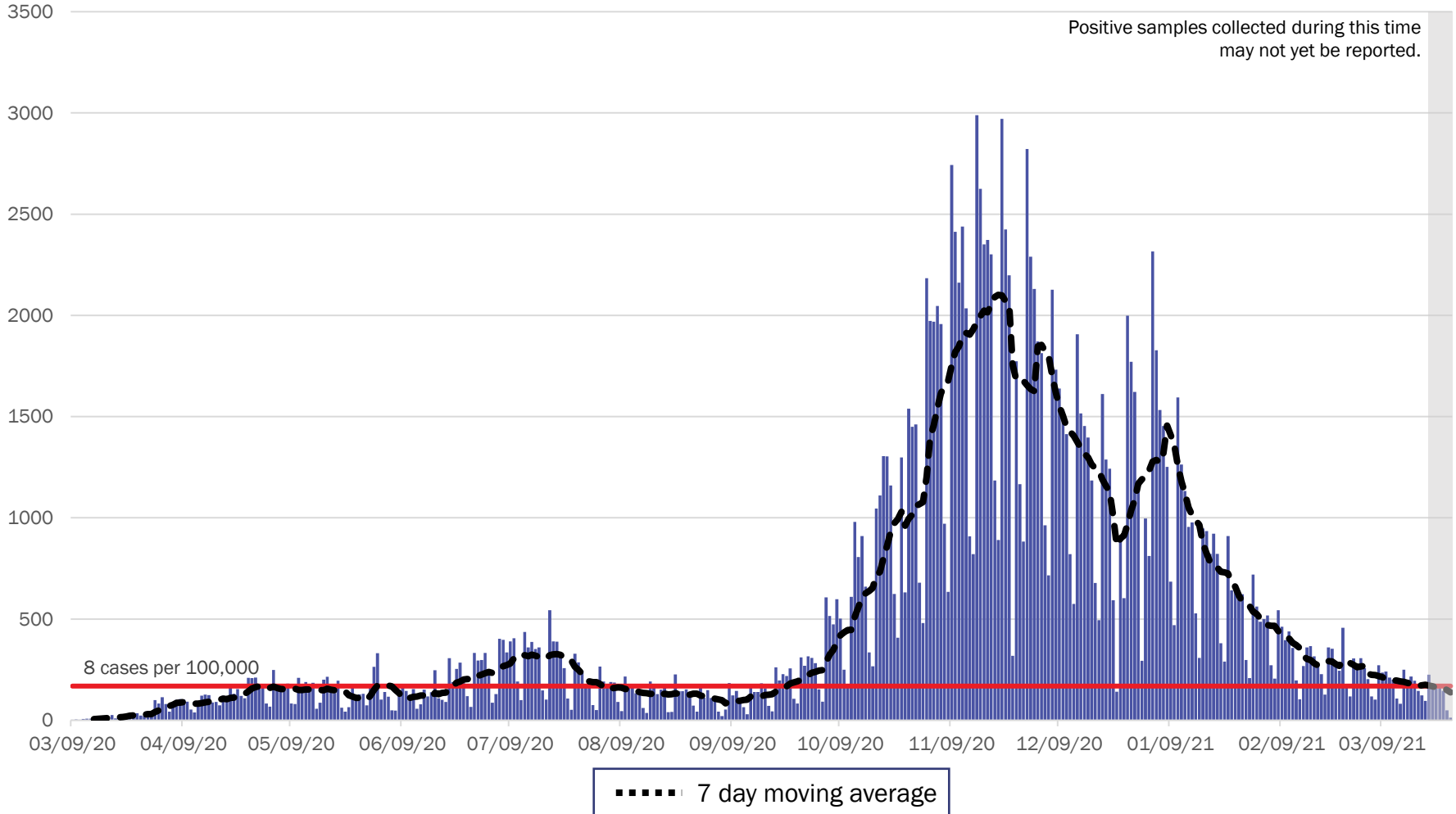


COVID-19 in New Mexico: Epidemiologic and Modeling Update

March 30, 2021

New Mexico COVID-19 Cases by Date of Specimen Collection

March 29, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.

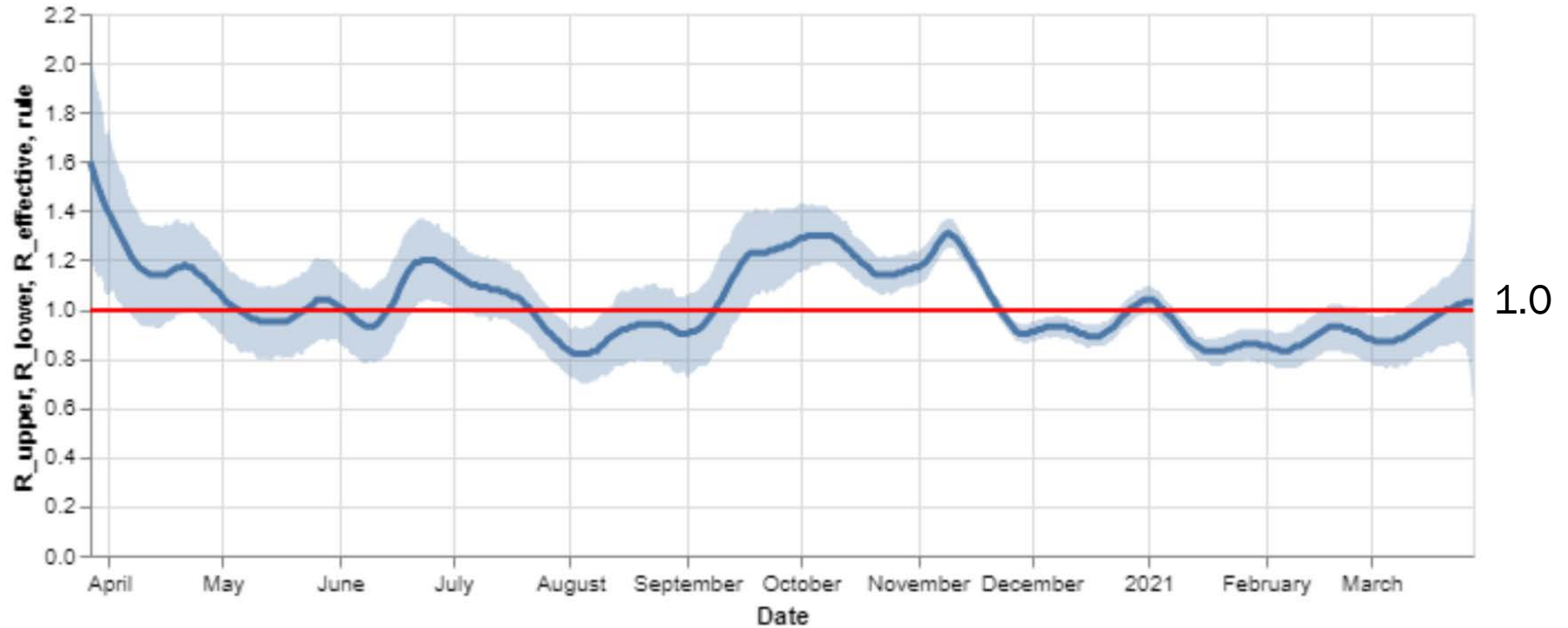


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Statewide R-effective remains at 1.0.

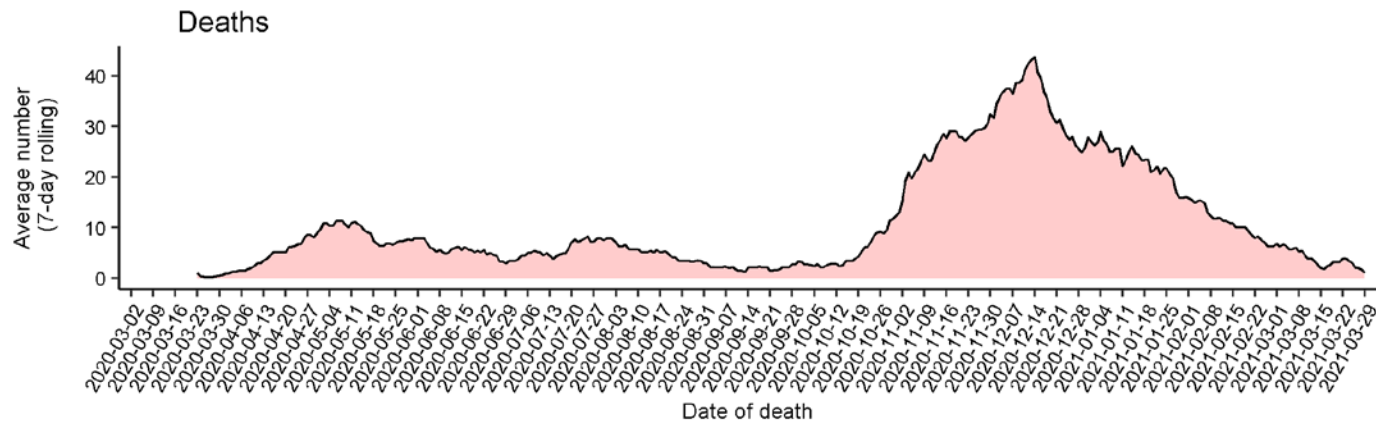
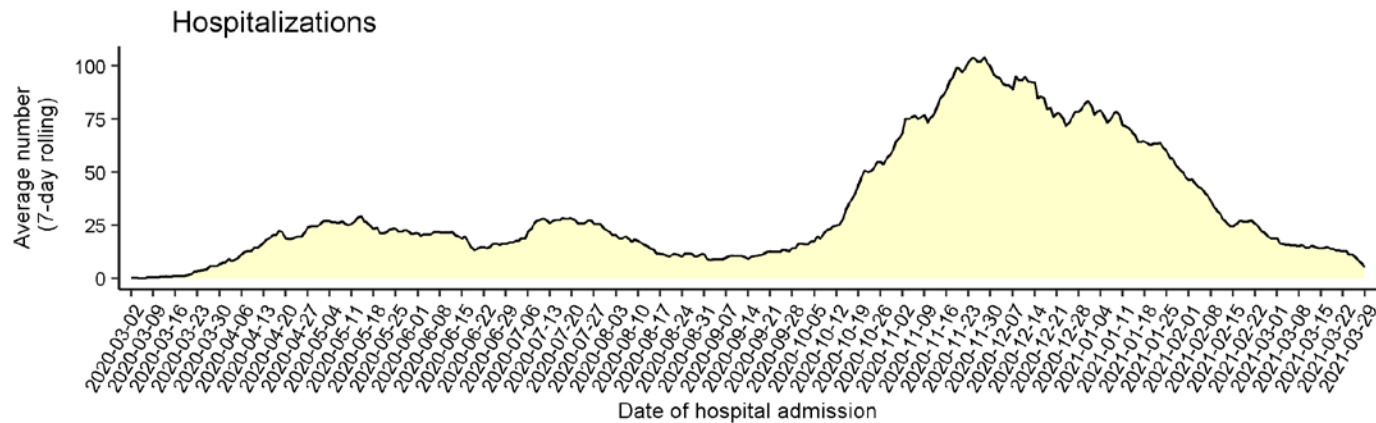
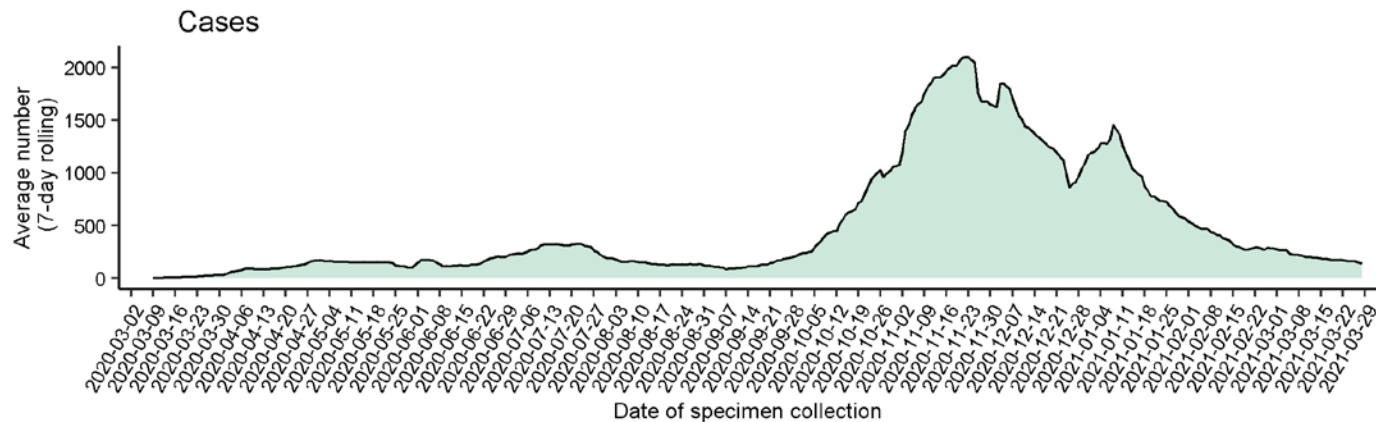
R_effective over time, STATE



1.0

Courtesy of Presbyterian Healthcare Services – March 29, 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 3/29/21



Key

Low Level Endemic
<1.0

Approaching Low Level Endemic
1.0

Requiring further mitigation
>1.0

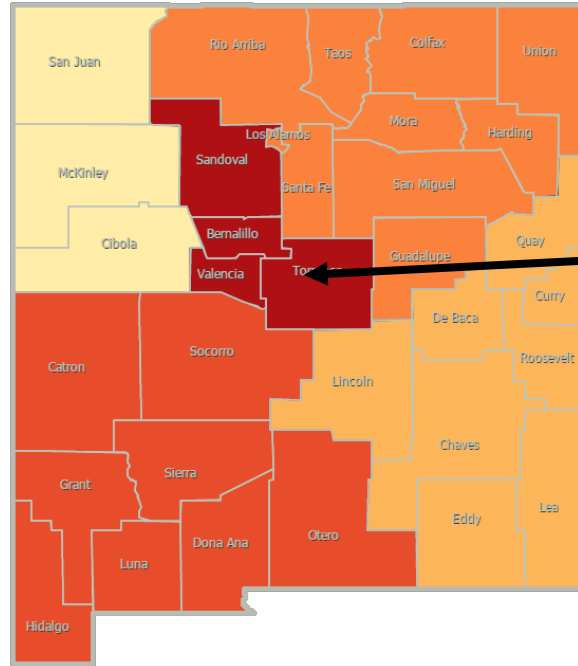
Northwest
R_effective 1.4 ↑

Northeast
R_effective 0.9 =

Metro
R_effective 1.0 =

Southwest
R_effective 0.9 ↓

Southeast
R_effective 1.3 ↑



As of March 22, 2021

Northwest
R_effective 1.0 ↑

Northeast
R_effective 0.9 ↓

Metro
R_effective 1.0 ↑

Southwest
R_effective 1.0 ↑

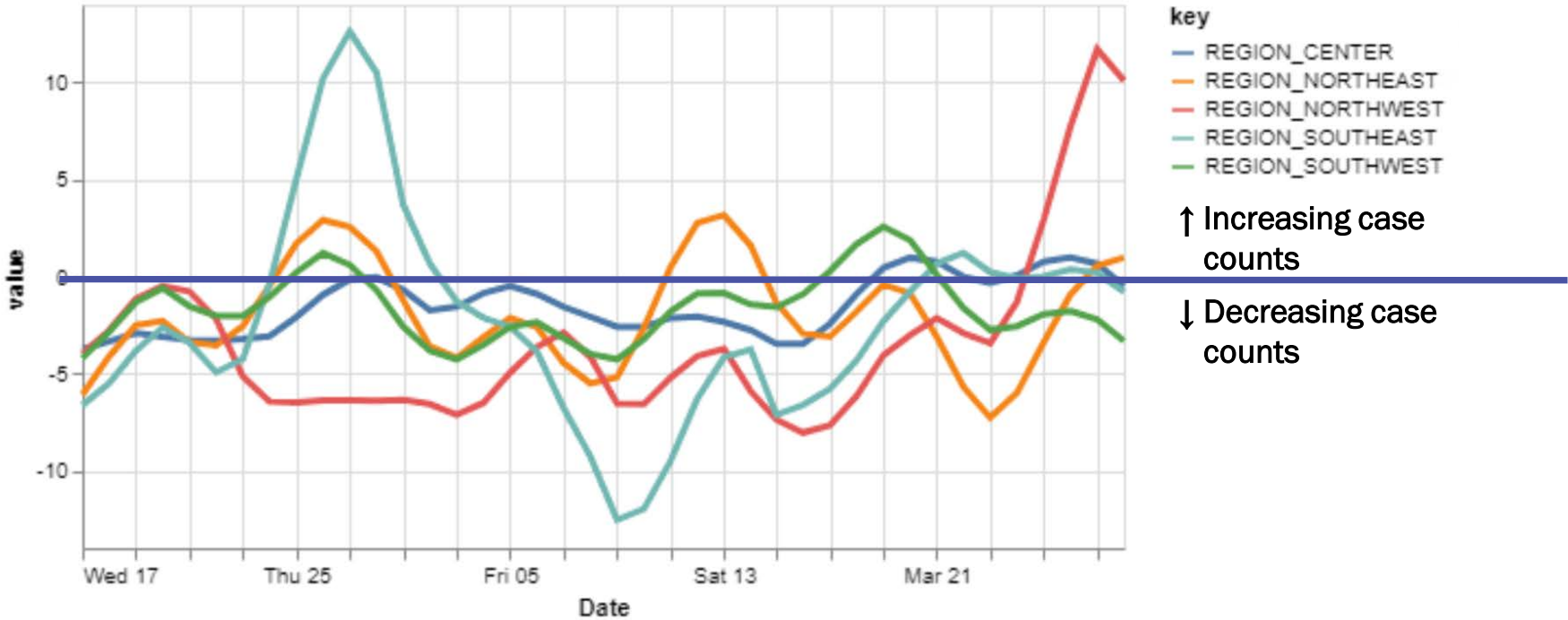
Southeast
R_effective 0.7 ↑

| Region | R-effective | 95% Confidence Interval |
|-----------|-------------|-------------------------|
| State | 1.0 | [0.6, 1.5] |
| Metro | 1.0 | [0.4, 1.7] |
| Northeast | 0.9 | [0.0, 2.3] |
| Northwest | 1.4 | [0.0, 3.2] |
| Southeast | 1.3 | [0.0, 3.0] |
| Southwest | 0.9 | [0.0, 2.0] |

Courtesy of Presbyterian Healthcare Services – March 29, 2021.

While the Northwest region has the highest 14-day relative growth rate, the rolling average of daily case counts in the region remains below 8 cases per 100,000.

14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – March 29, 2021.



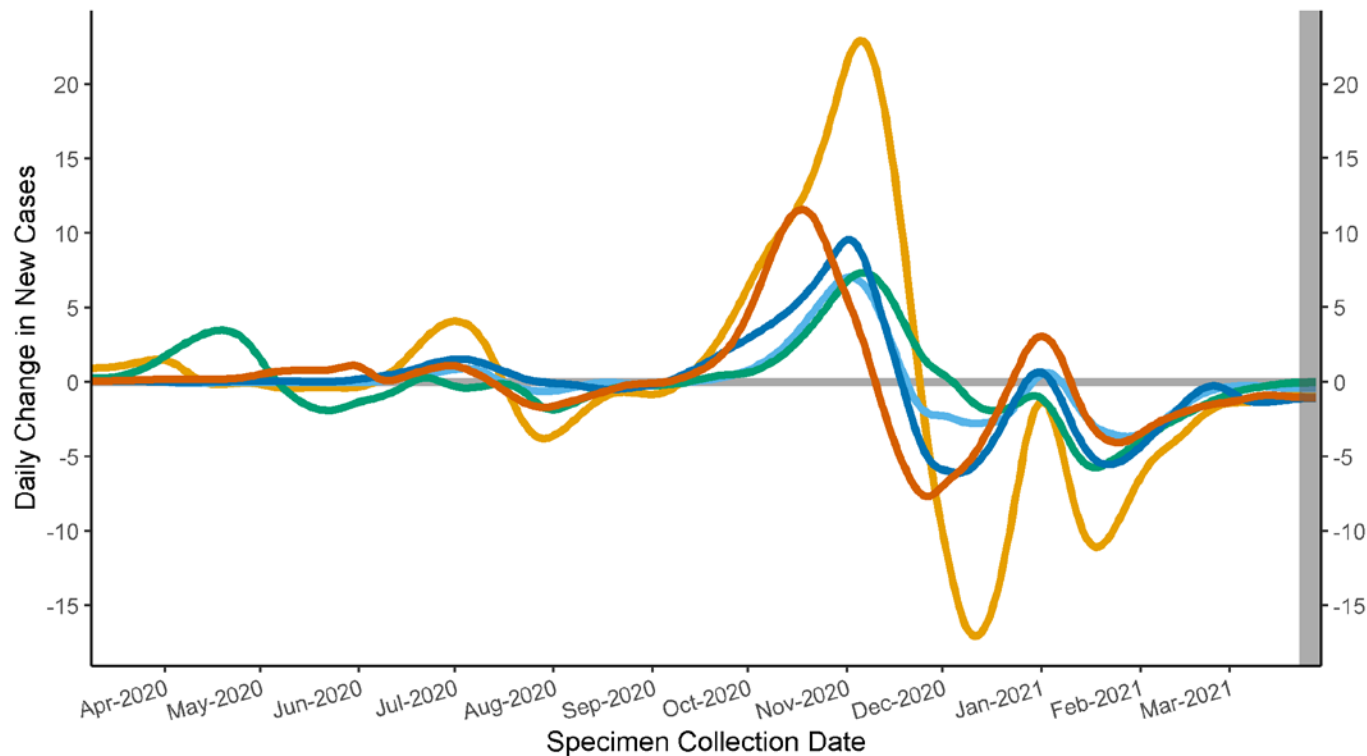
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Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of March 29, 2021



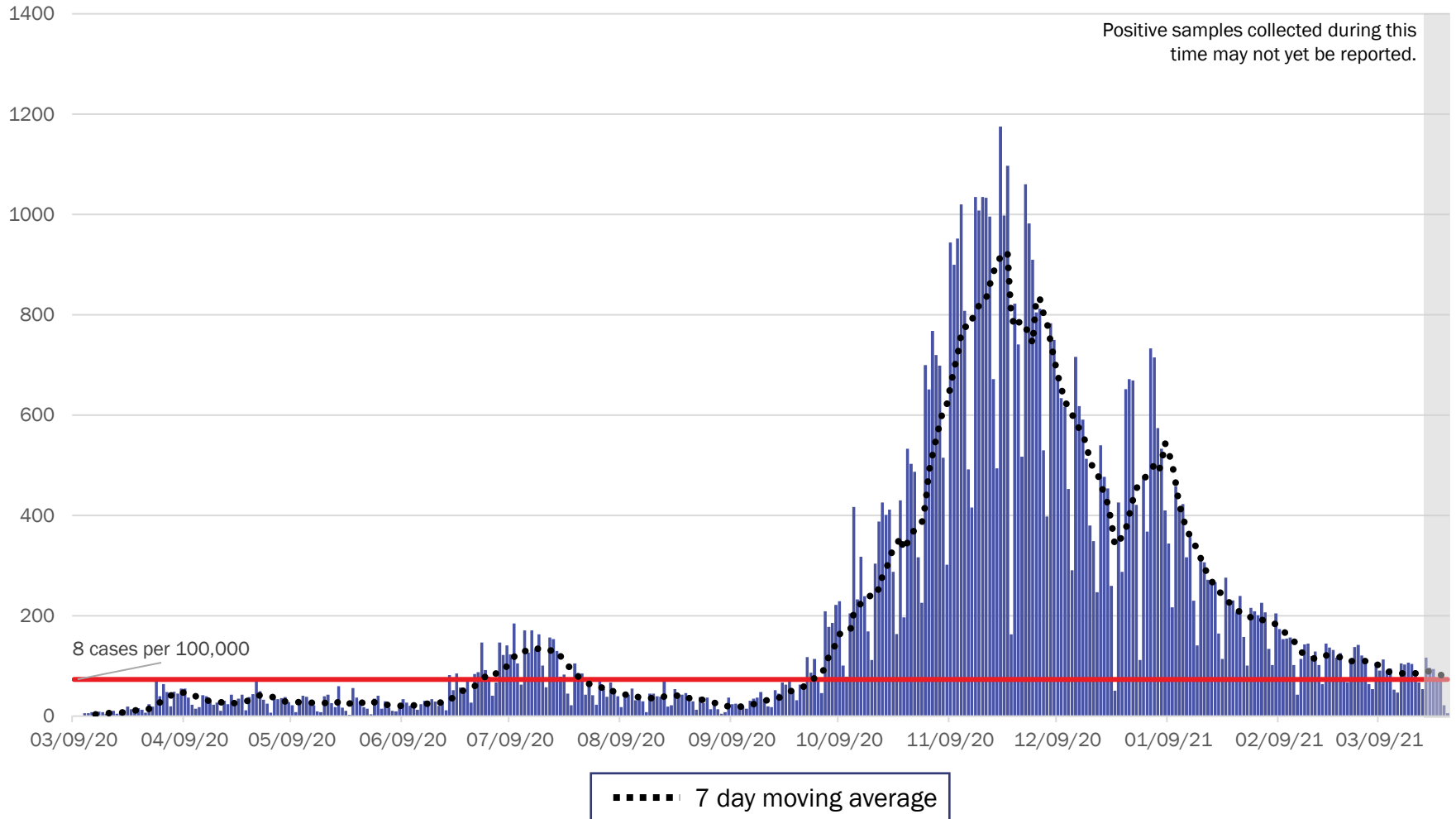
| Region | Growth Acceleration March 22, 2021 |
|-----------|---------------------------------------|
| Metro | -0.9 |
| Northeast | -0.4 |
| Northwest | 0.0 |
| Southeast | -1.1 |
| Southwest | -1.0 |

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 3.29.2021, New Mexico Department of Health.

Metro Region Case Count by Collection Date with 7 Day Moving Average March 29, 2021



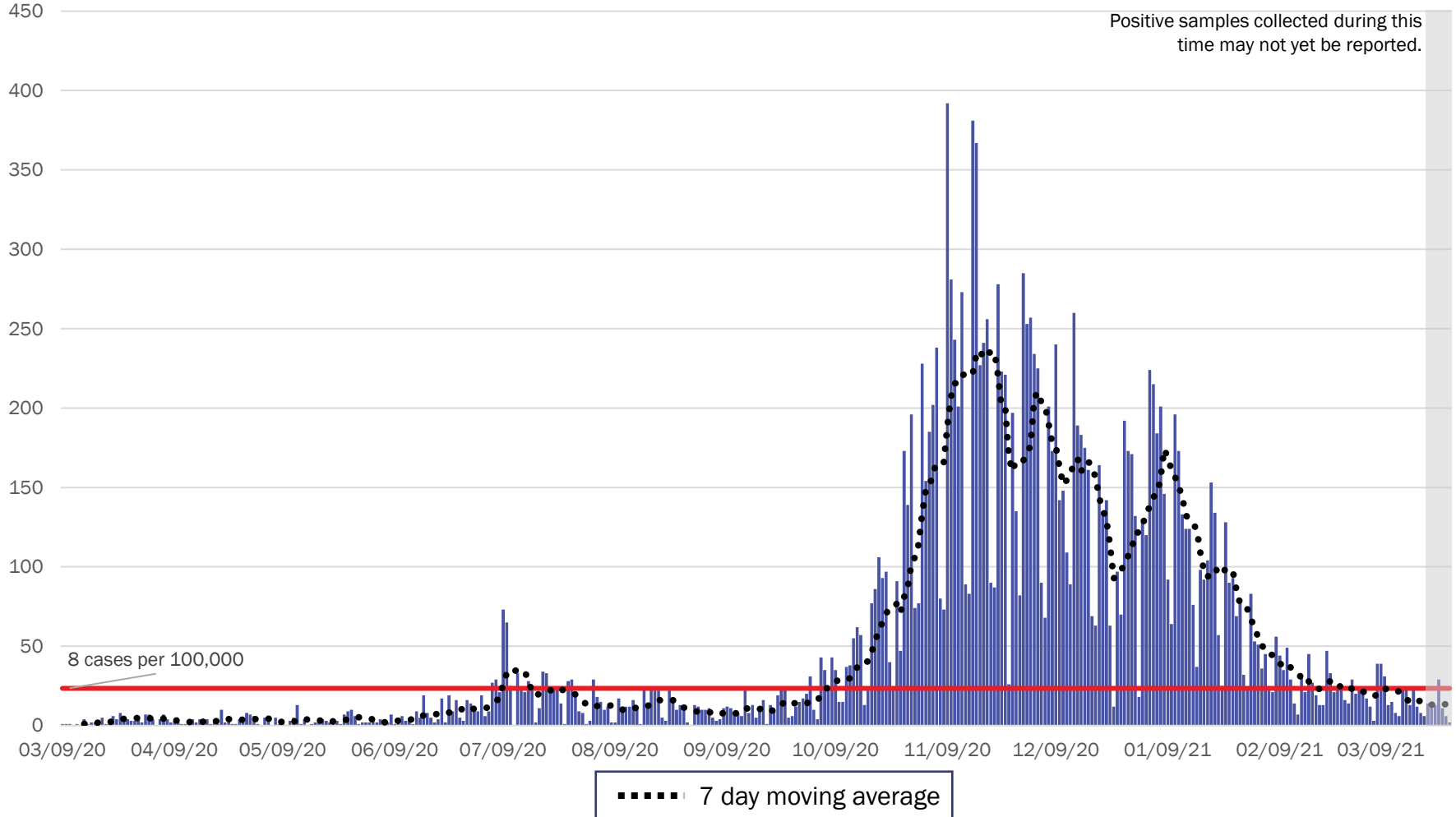
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.



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Northeast Region Case Count by Collection Date with 7 Day Moving Average March 29, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.

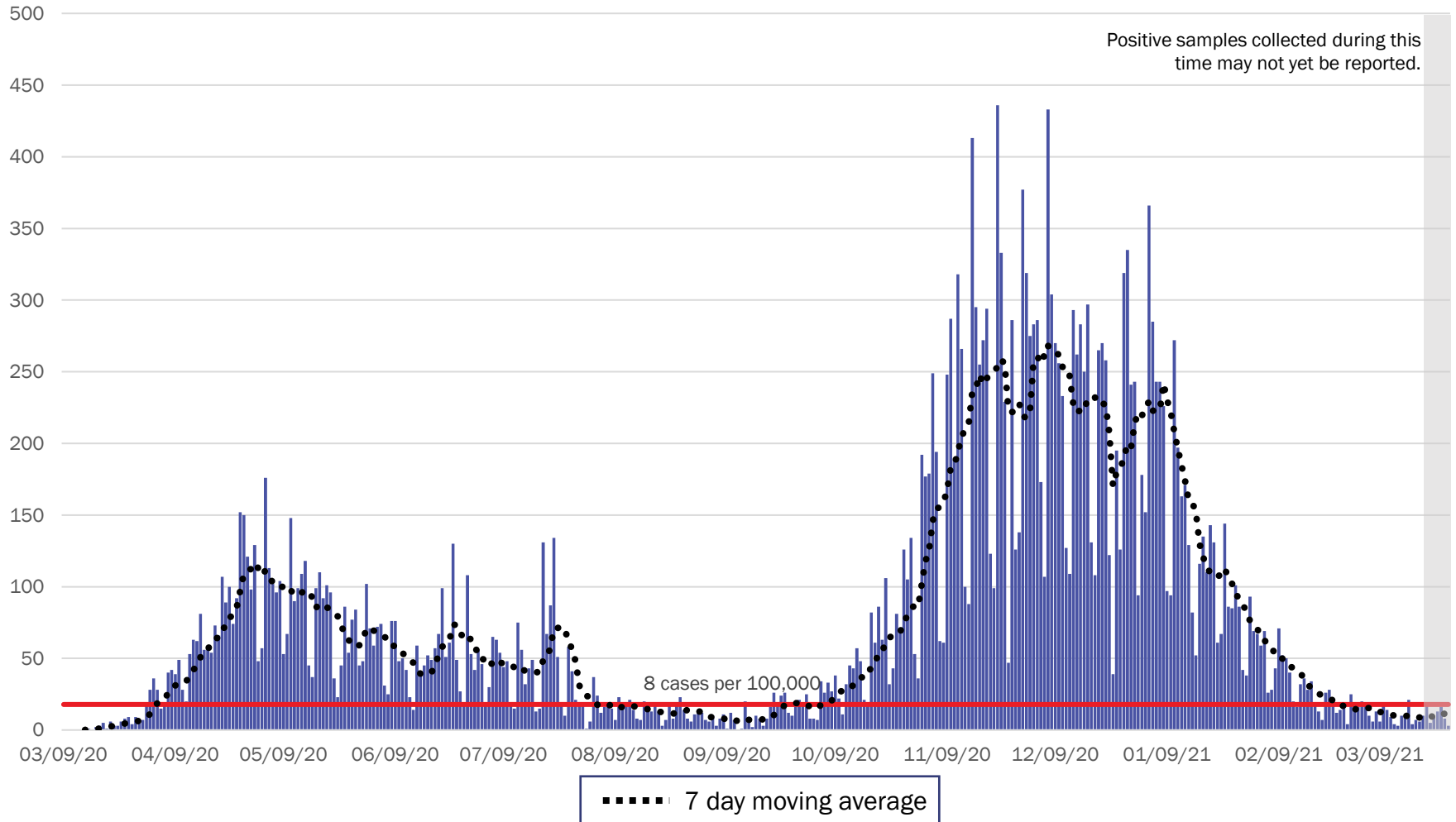


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Northwest Region Case Count by Collection Date with 7 Day Moving Average

March 29, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.

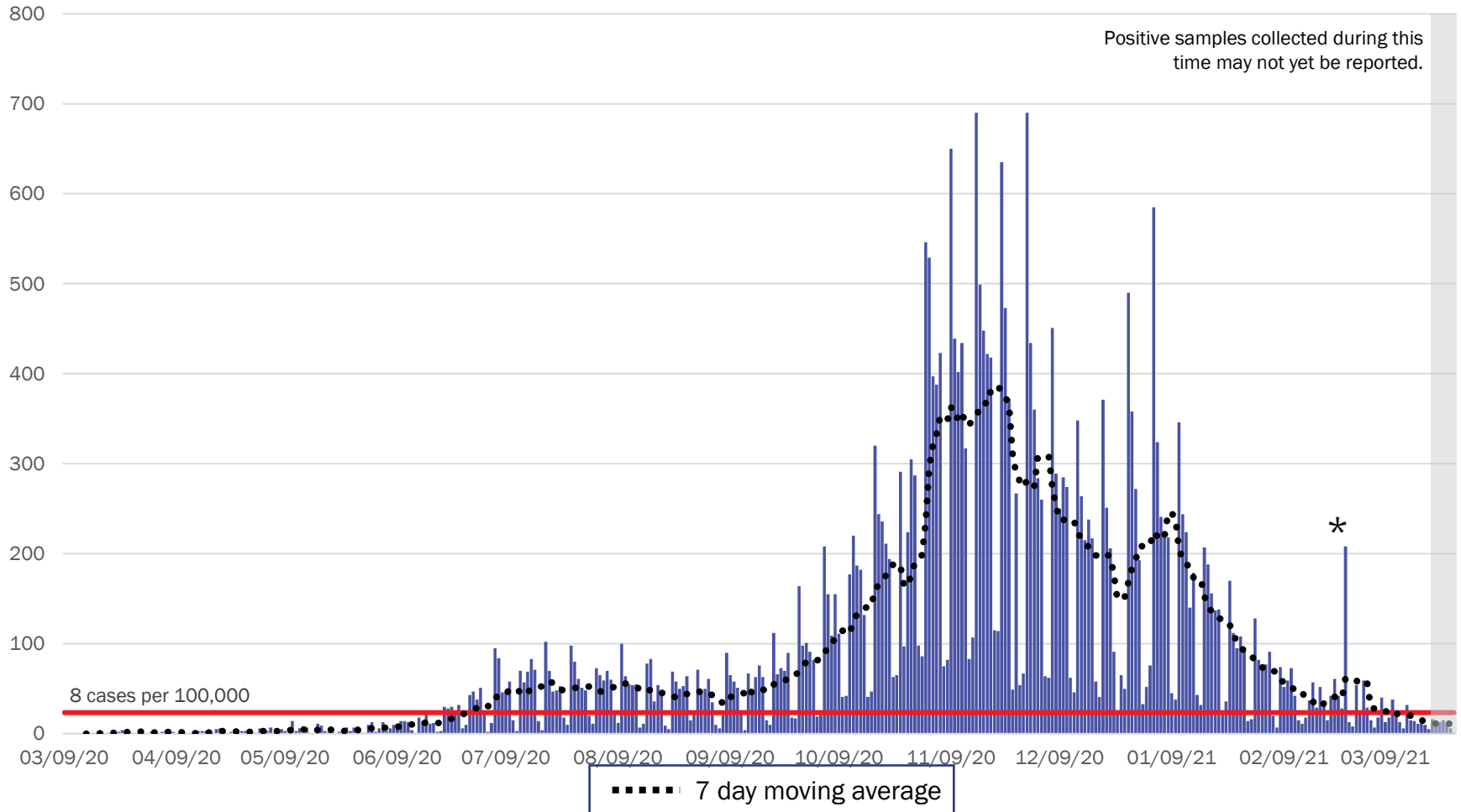


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Southeast Region Case Count by Collection Date with 7 Day Moving Average March 29, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.

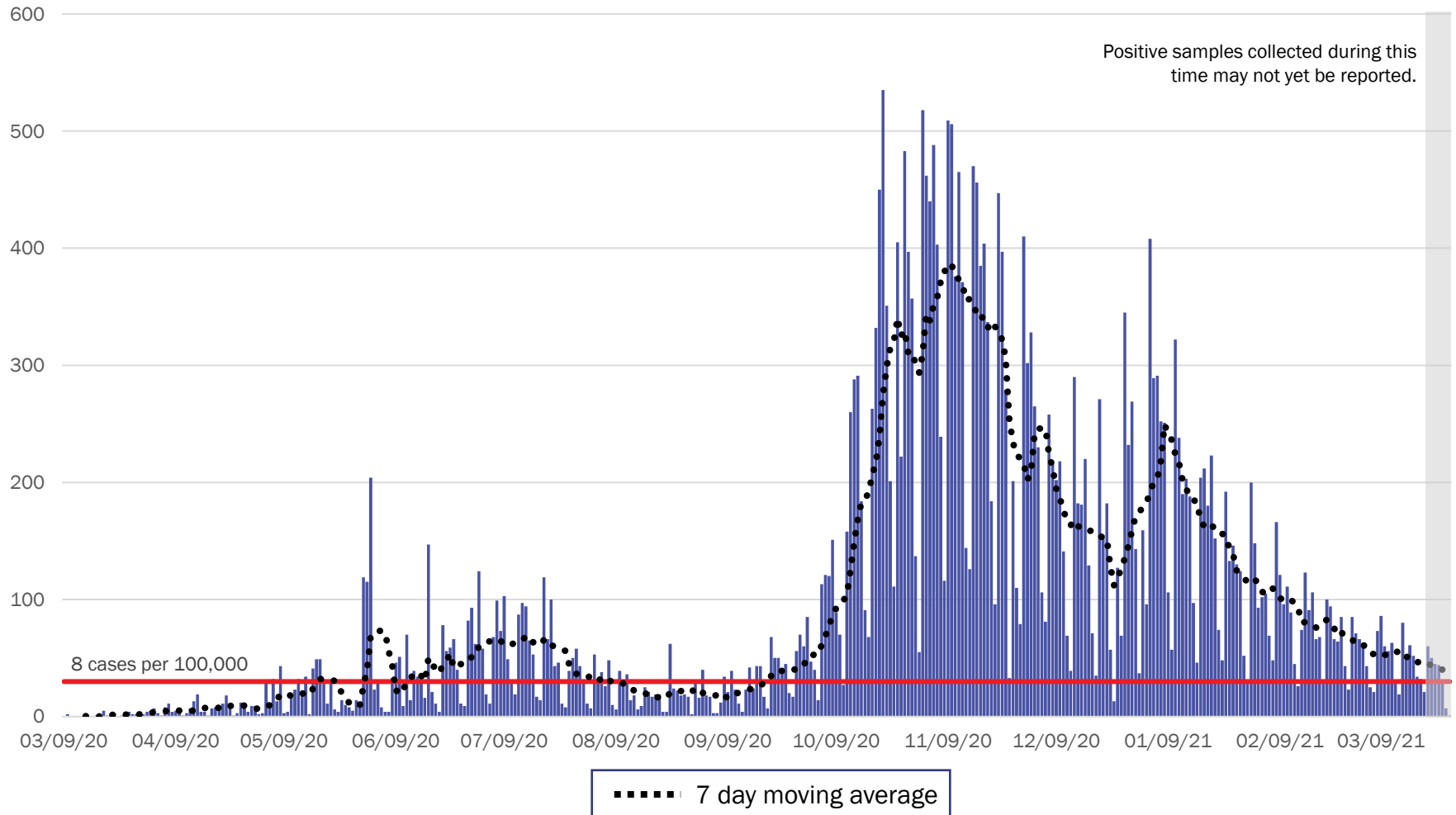
*Large spike in cases on February 26, 2021 is the result of a testing event in response to a correctional/detention facility outbreak.



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Southwest Region Case Count by Collection Date with 7 Day Moving Average March 29, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.



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New Mexico Status Updates

- Case count: Statewide, daily case counts may have reached a plateau.
- Hospitalizations: The decline in hospitalizations may be slowing.
- Deaths: The decline in COVID-19 deaths may be slowing.

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 3.29.2021 |
|-------------------------------|---|---|
| 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 4.29% ICU 2.42% Vent Rate 51% of ICU Crude Case Fatality Rate 2.1% |
| Length of Stay | Assumed values | Medical 5 days ICU 14 days ICU on Vent 14 days |