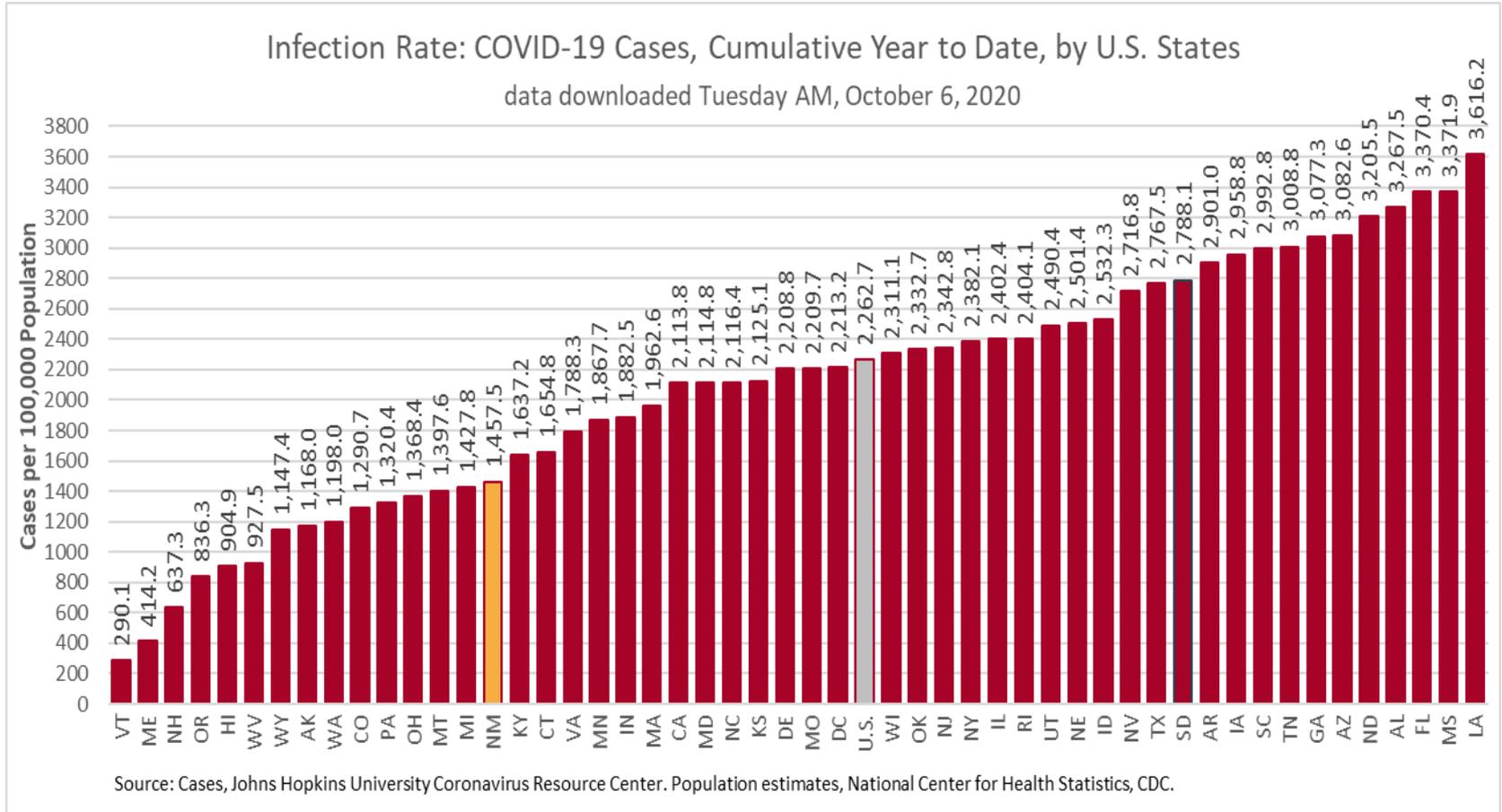


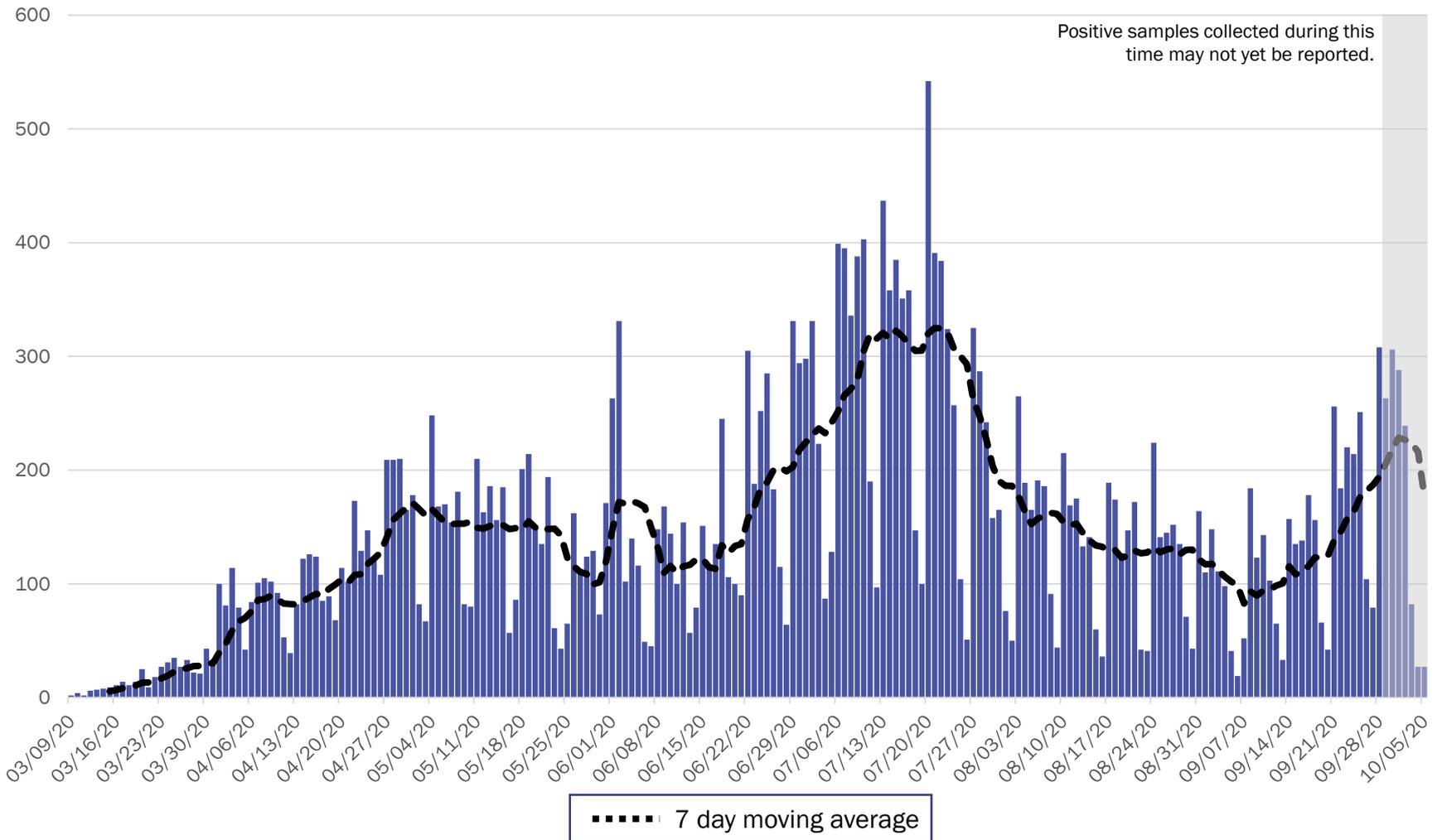
COVID-19 in New Mexico: Epidemiologic and Modeling Update

October 6, 2020

New Mexico has the 37th highest number of cases per 100,000 population in the United States



New Mexico COVID-19 Cases by Date of Specimen Collection – October 6, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.6.2020, New Mexico Department of Health.

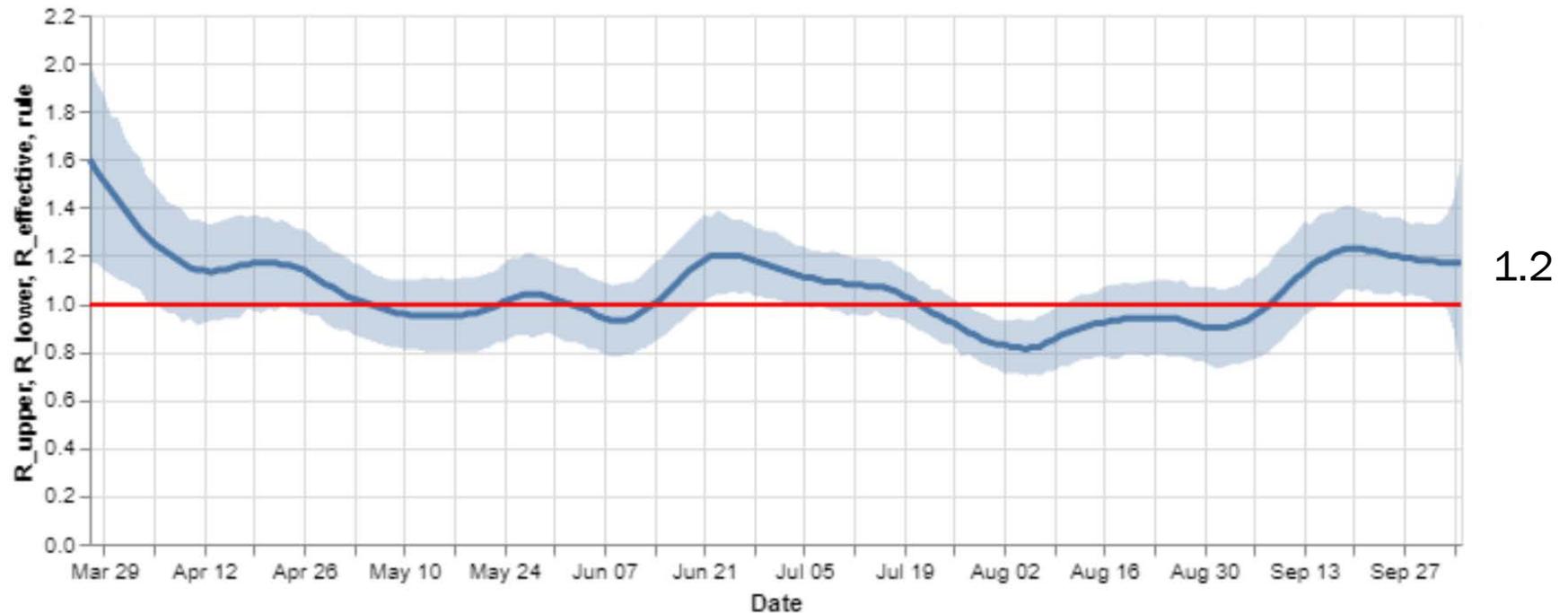


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Statewide R-effective has decreased to 1.2.

R_effective over time, STATE



1.2

Courtesy of Presbyterian Healthcare Services – October 6, 2020.

Key

Low Level Endemic
<1.0

Approaching Low Level Endemic
1.0-1.05

Requiring further mitigation
>1.05

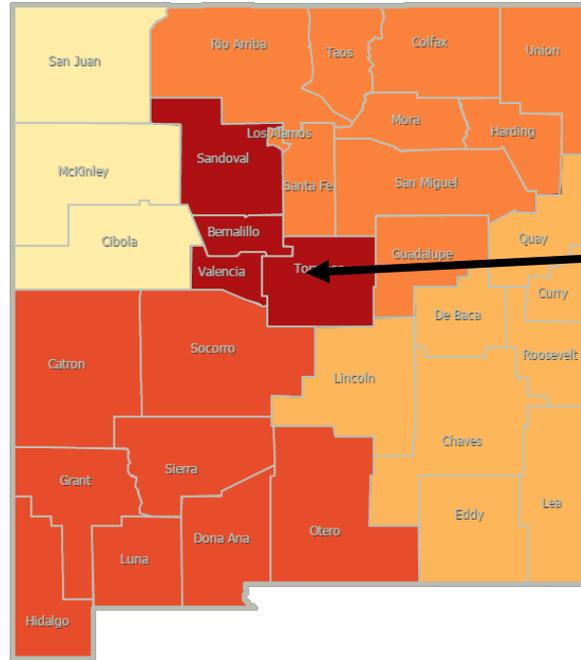
Northwest
R_effective 1.0 ↓

Northeast
R_effective 1.1 ↓

Metro
R_effective 1.3 ↓

Southwest
R_effective 1.2 ↓

Southeast
R_effective 1.1 ↓



As of September 28, 2020

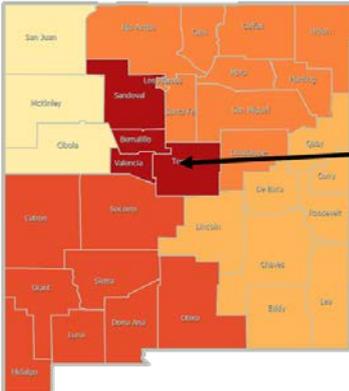
Northwest
R_effective 1.4 ↑

Northeast
R_effective 1.3 ↑

Metro
R_effective 1.4 ↑

Southwest
R_effective 1.3 ↑

Southeast
R_effective 1.2 ↑



Region	R-effective	95% Confidence Interval
State	1.2	[0.7, 1.6]
Metro	1.3	[0.6, 2.1]
Northeast	1.1	[0.0, 3.4]
Northwest	1.0	[0.0, 2.4]
Southeast	1.1	[0.3, 1.9]
Southwest	1.2	[0.4, 2.2]

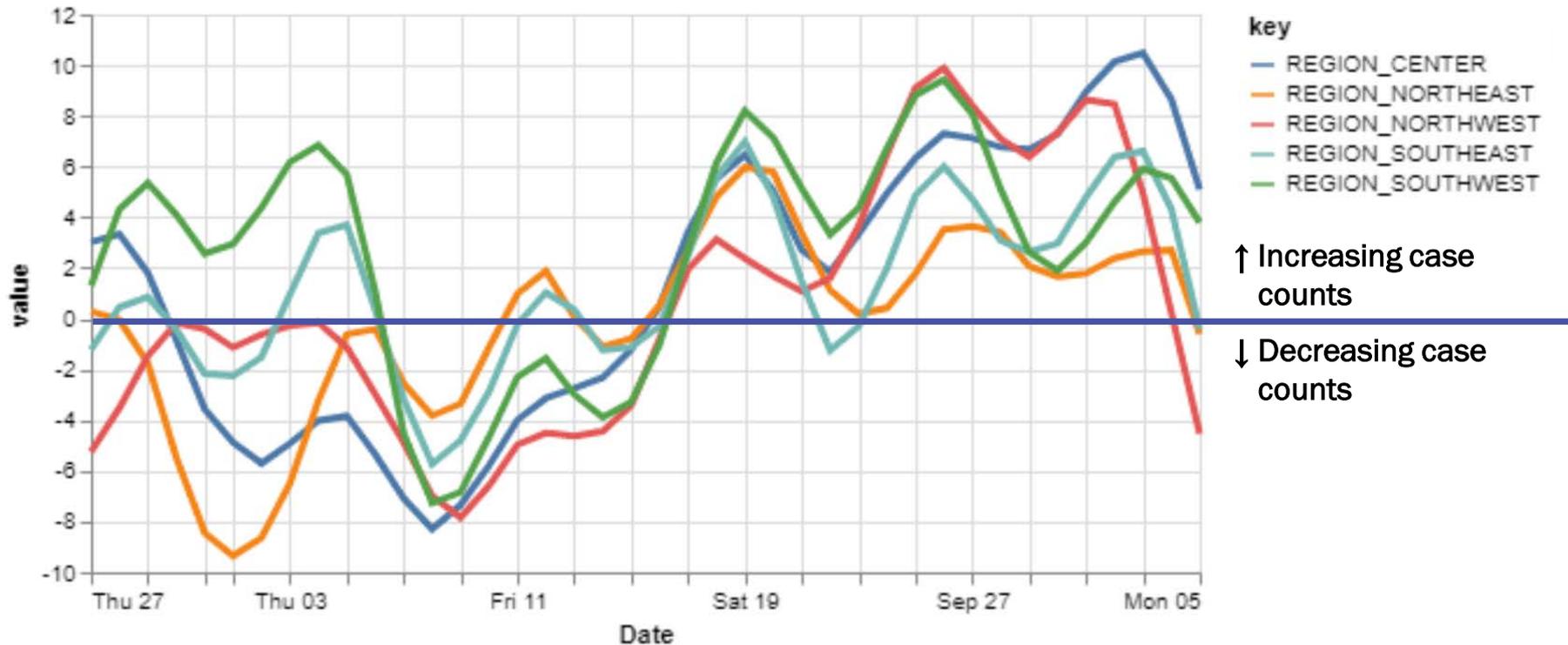
Courtesy of Presbyterian Healthcare Services – October 6, 2020.



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Southwest and Metro regions continue to have increasing daily case counts.

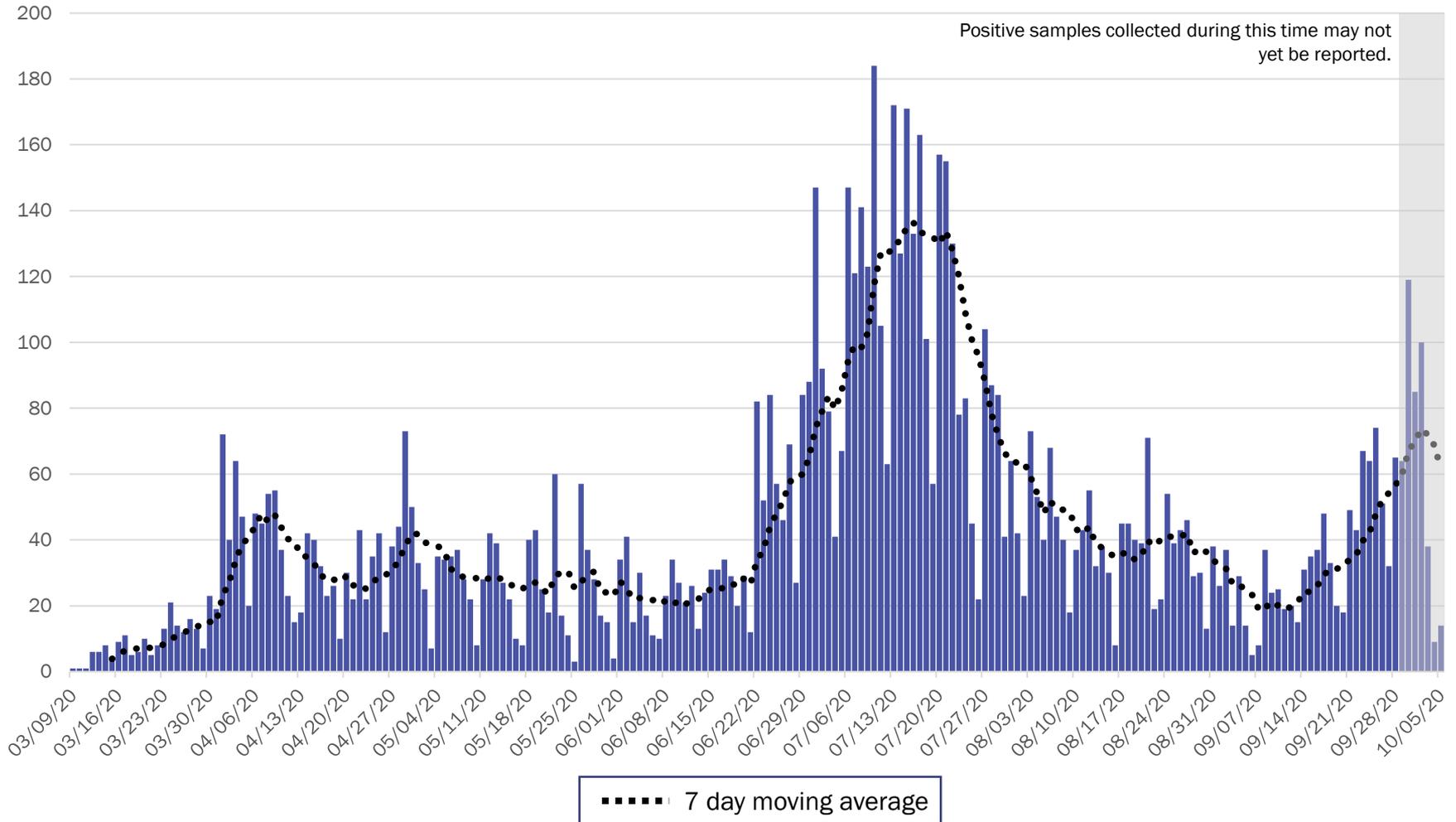
14-day relative growth rate (%), Regions



↑ Increasing case counts
↓ Decreasing case counts

Courtesy of Presbyterian Healthcare Services – October 6, 2020.

Metro Region Case Count by Collection Date with 7 Day Moving Average October 6, 2020



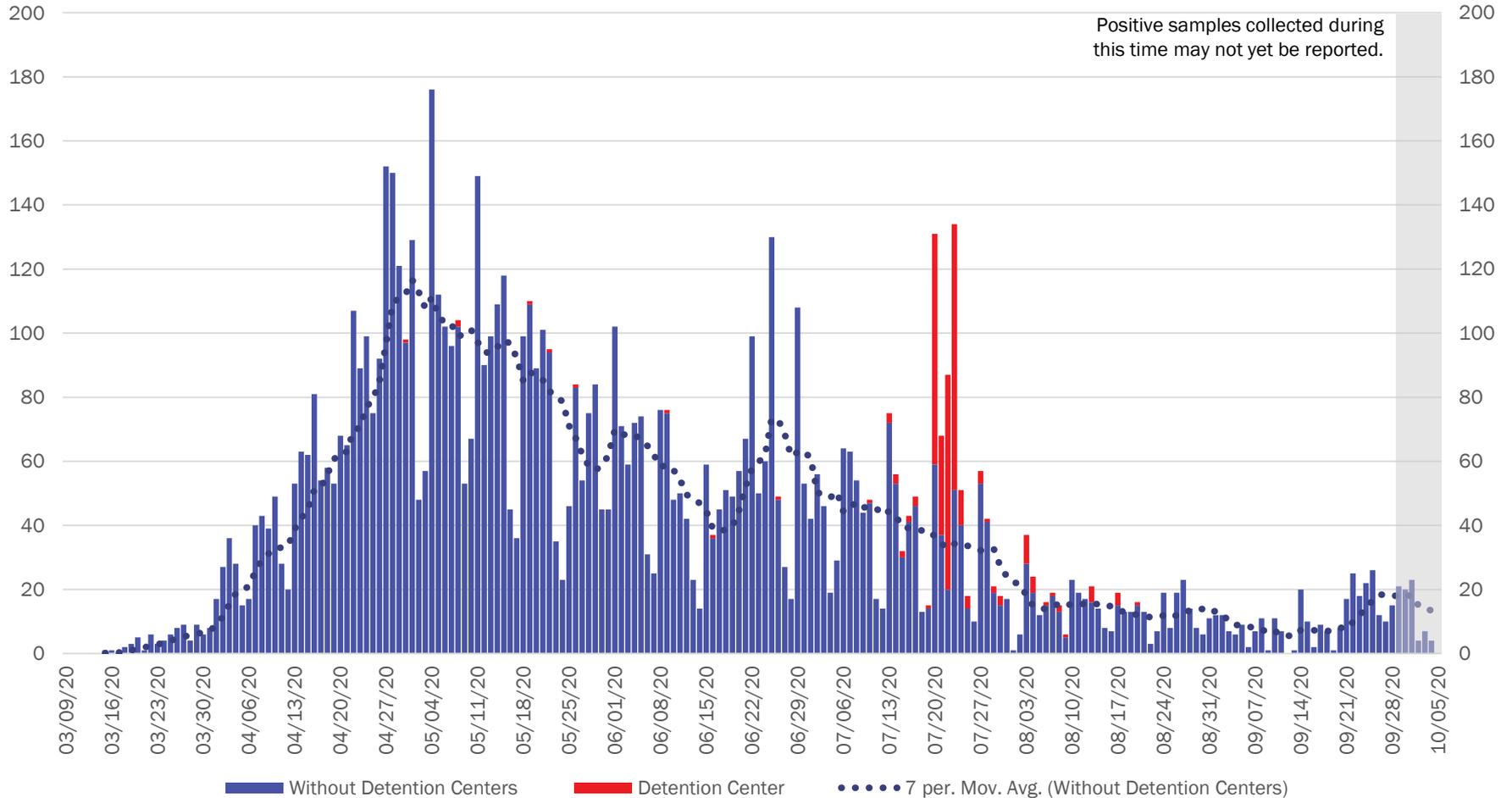
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.6.2020, New Mexico Department of Health.



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Northwest Region Case Count by Collection Date with 7 Day Moving Average October 6, 2020



“Detention Centers” refer to federal and New Mexico Corrections Department facilities.

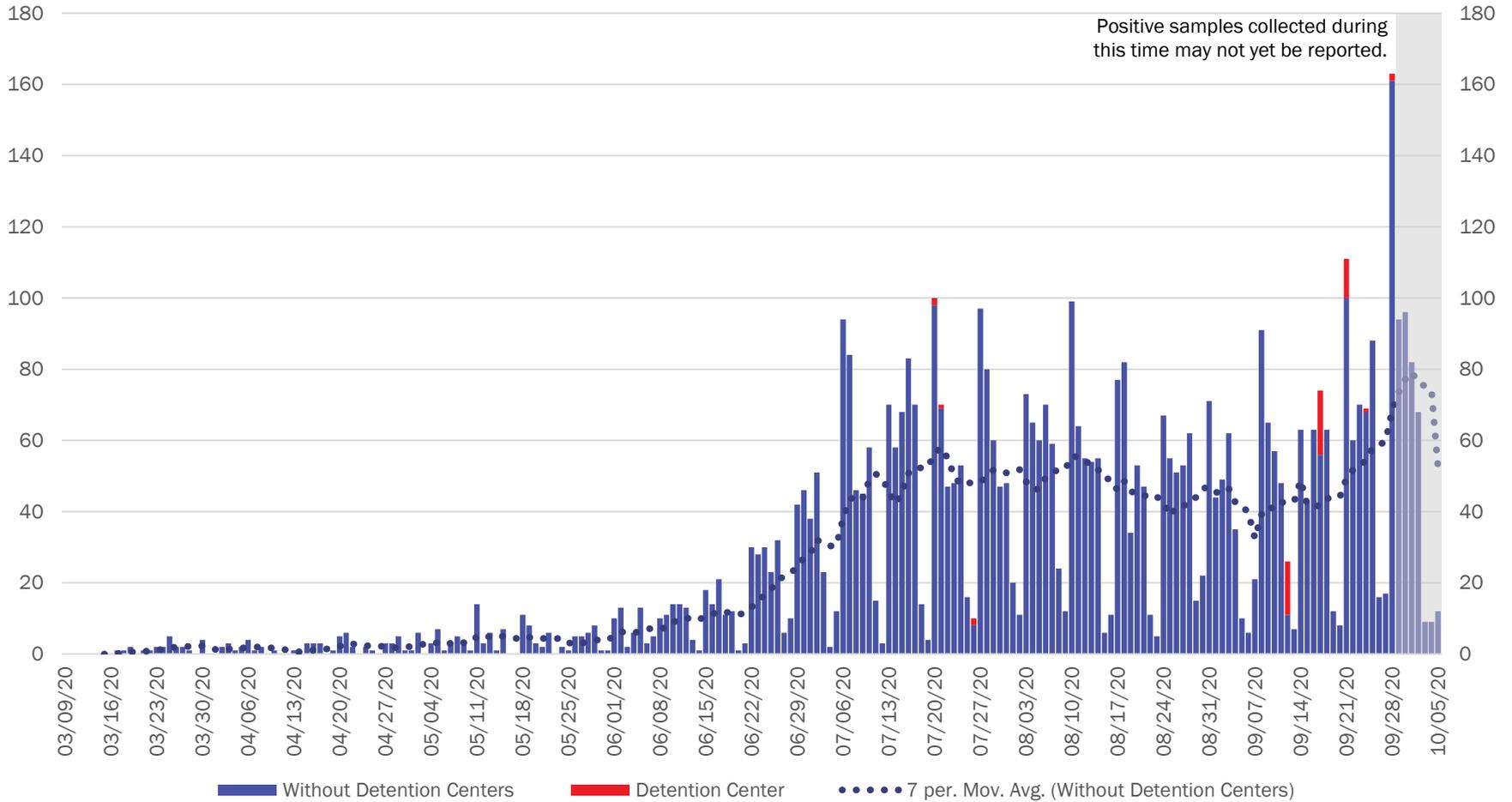
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.6.2020, New Mexico Department of Health.



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Southeast Region Case Count by Collection Date with 7 Day Moving Average October 6, 2020



“Detention Centers” refer to federal and New Mexico Corrections Department facilities.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.6.2020, New Mexico Department of Health.

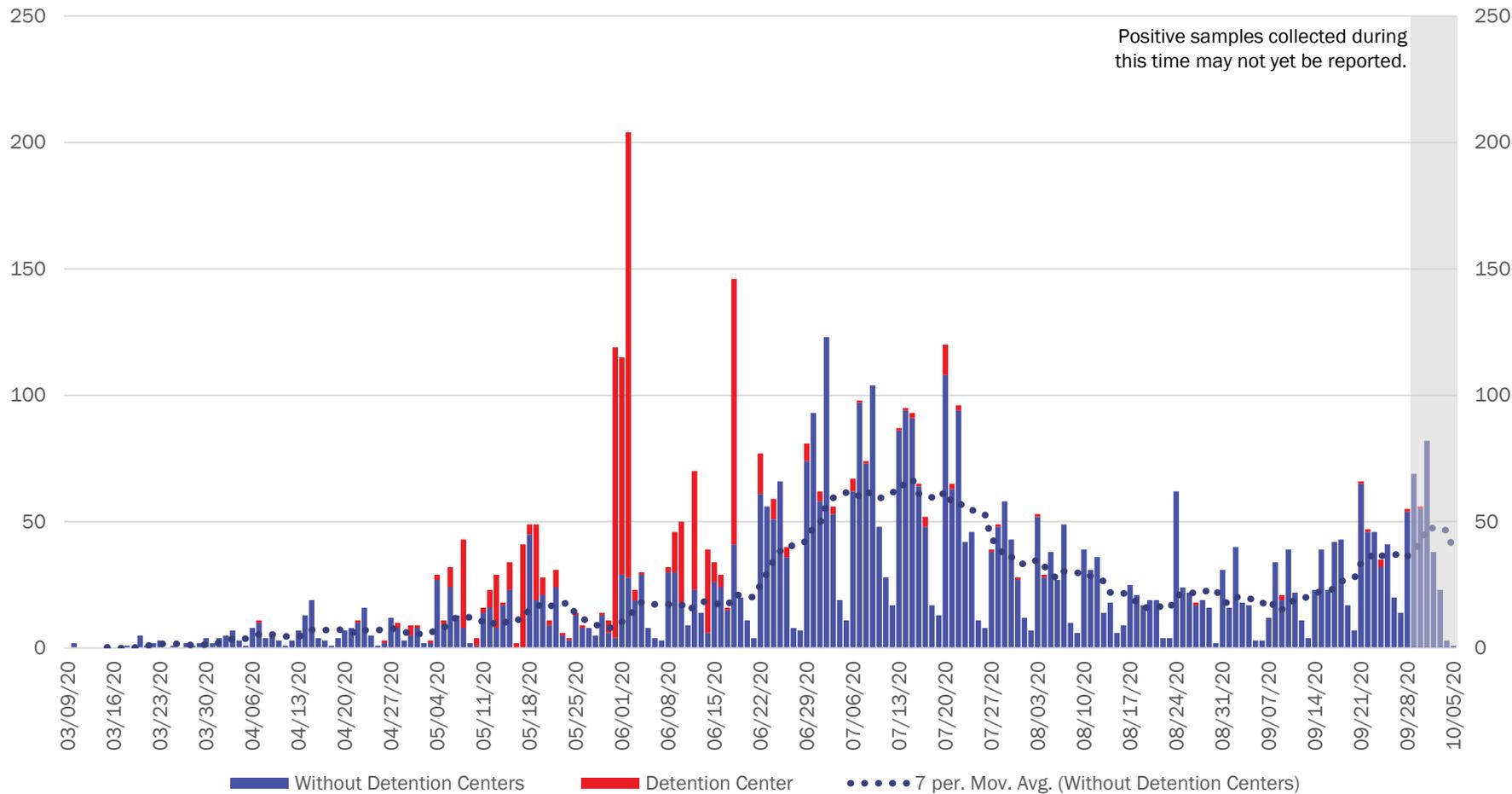


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Southwest Region Case Count by Collection Date with 7 Day Moving Average October 6, 2020



“Detention Centers” refer to federal and New Mexico Corrections Department facilities.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.6.2020, New Mexico Department of Health.

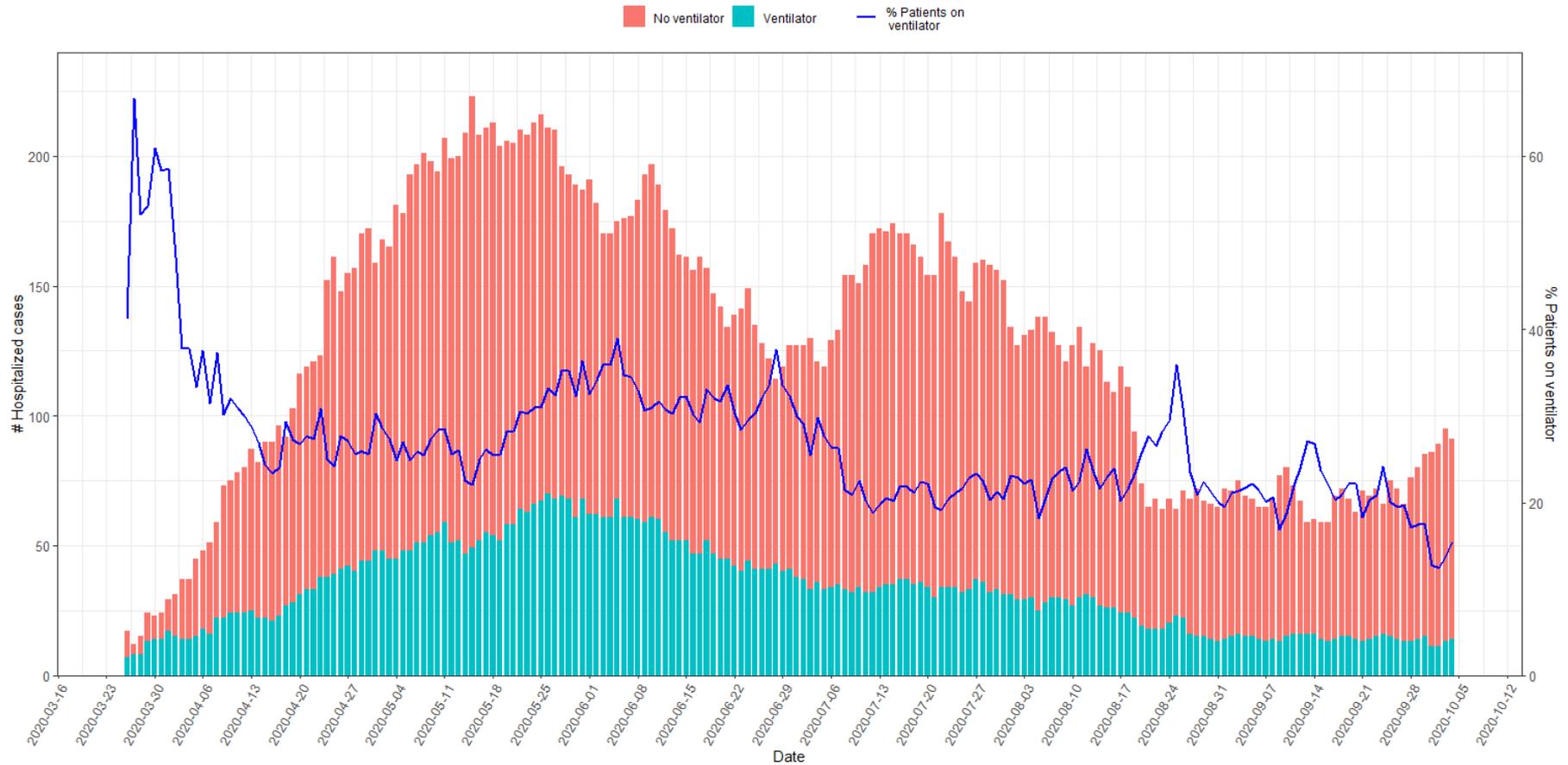


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Hospitalizations are beginning to rise.



As of October 5, 2020

New Mexico Status Updates

- Case count: Statewide, daily case counts continue to increase.
- Hospitalizations: After a period of plateau, hospitalizations have started to rise.
- Deaths: Deaths continue to decline after a spike during the week of September 14-September 20.
- Contact tracing: The median time to quarantine for contacts identified last week was approximately 1.3 days.

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 10.6.2020
R_Effective	Actual Measured Daily Value by key county	R_eff=1.2
Positive Test Multiplier	Calculated by LANL	3.3
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.14% ICU 0.09% Vent Rate 39% of ICU Crude Case Fatality Rate 3.3%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days