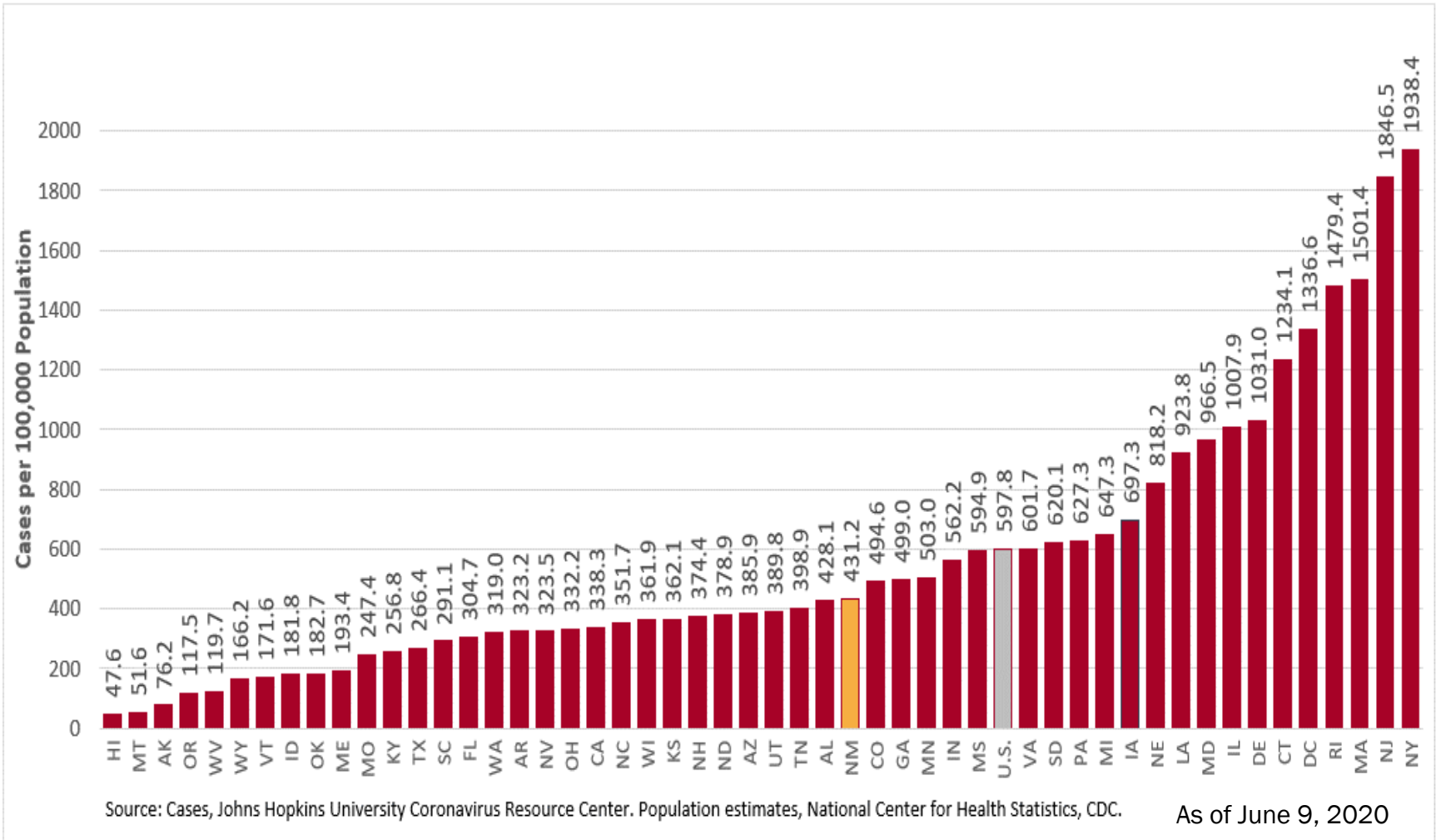


COVID-19 in New Mexico: Epidemiologic and Modeling Update

June 9, 2020

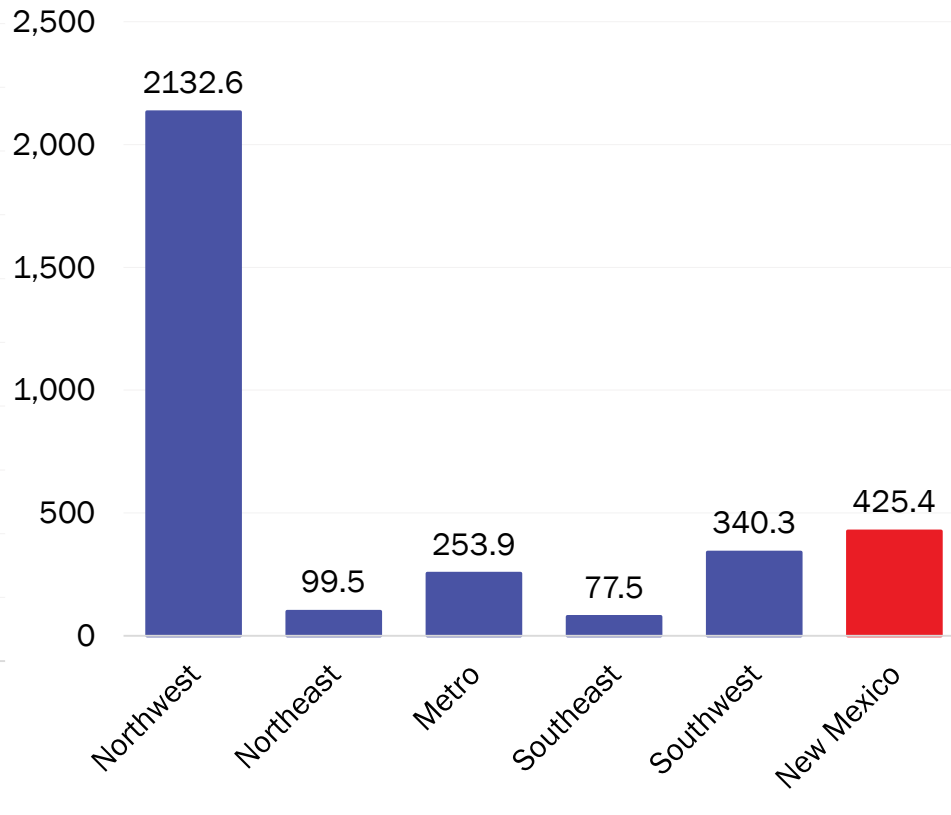
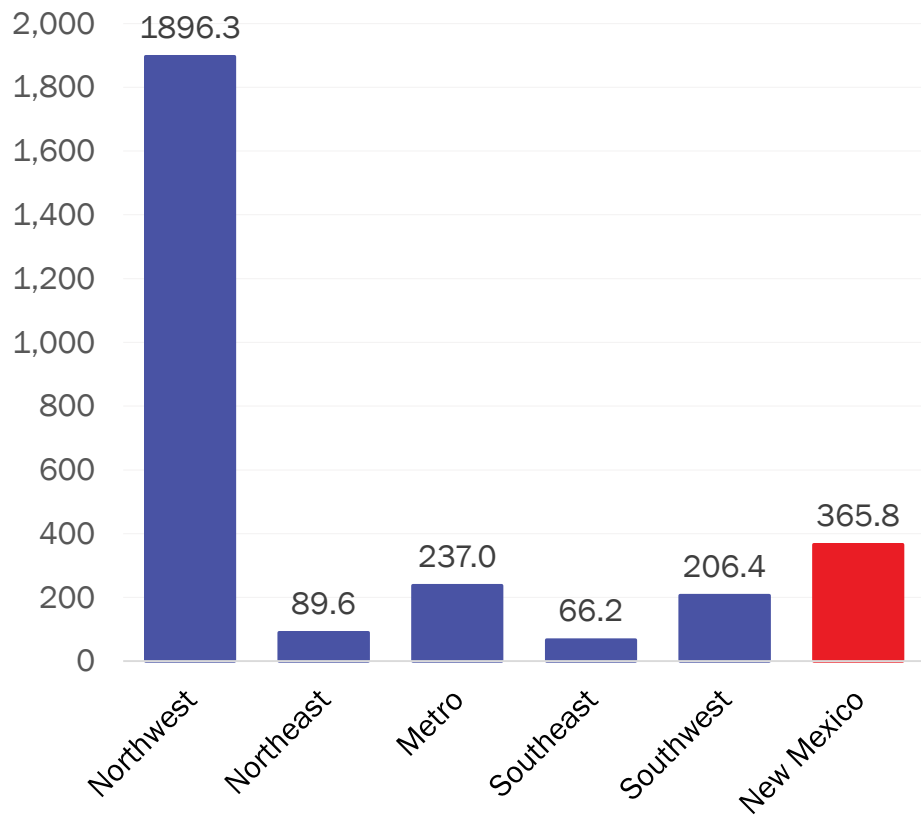
Prevalence: COVID-19 cases per 100,000 by U.S. states



Prevalence Rate: Number of COVID-19 cases per 100,000 population

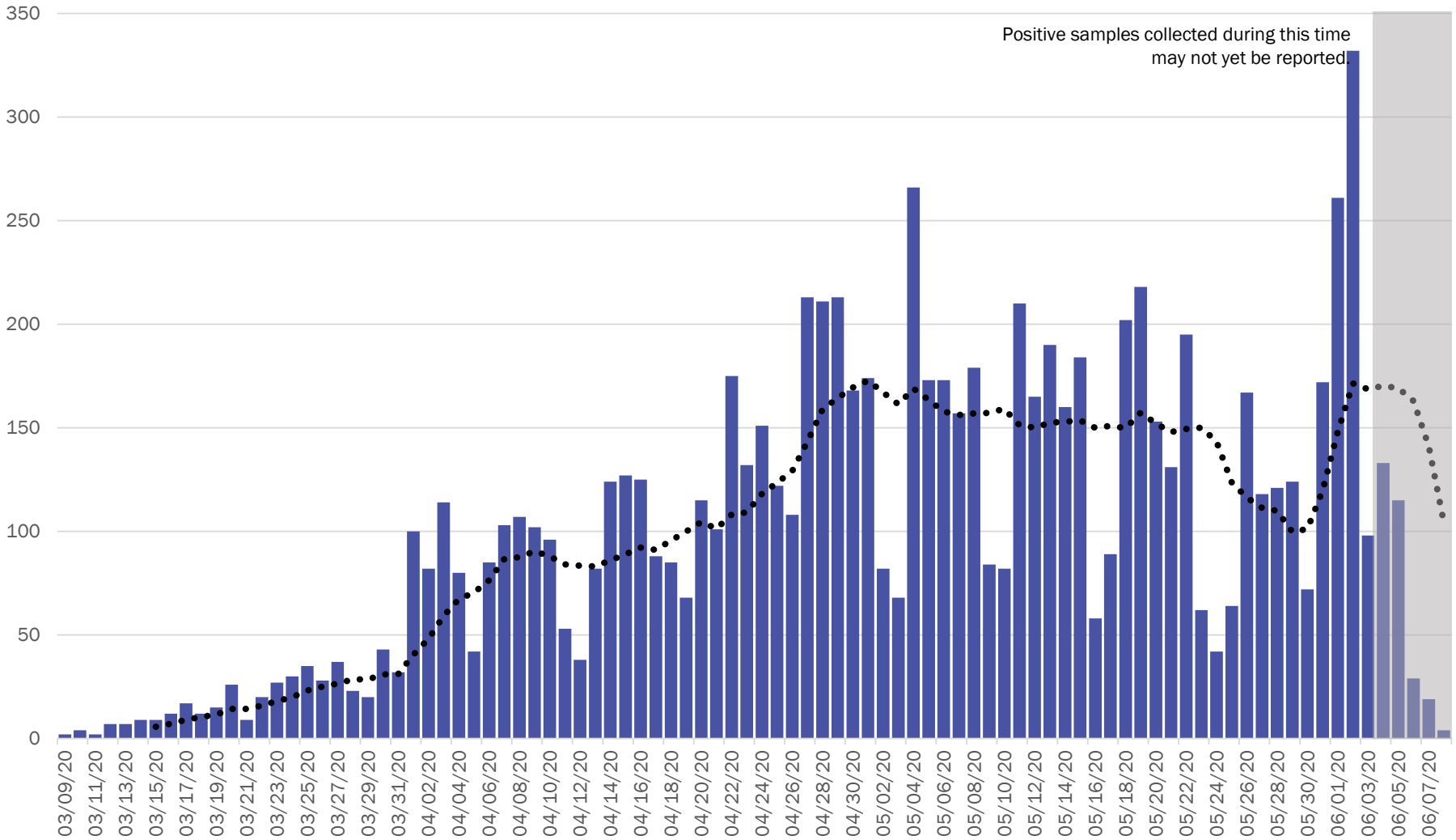
May 31, 2020

June 7, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 6.07.2020, New Mexico Department of Health. Population estimates, UNM Geospatial and Population Studies Program.

New Mexico COVID-19 Cases by Date of Specimen Collection – 6/9/20



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Northwest
 $R_{\text{effective}}$ 1.08 ↓

Northeast
 $R_{\text{effective}}$ 1.10 ↑

Key

Low Level Endemic
1-1.1

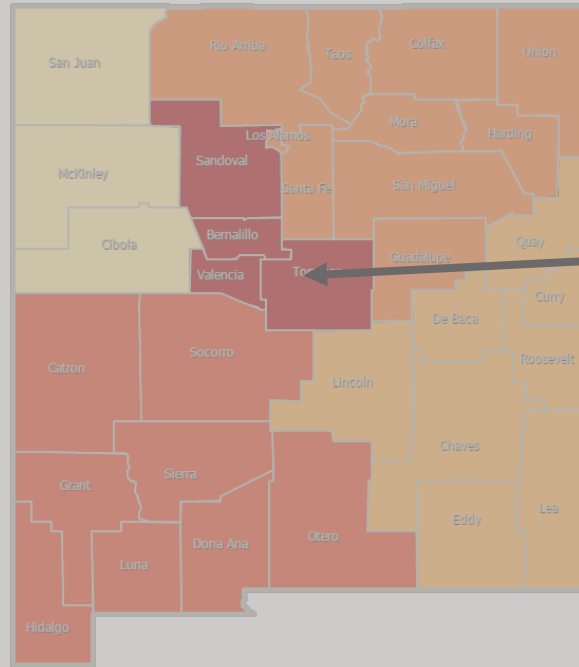
Approaching Low
Level Endemic
1.11-1.15

Requiring further
mitigation >1.15

Central
 $R_{\text{effective}}$ 1.05 ↓

Southwest
 $R_{\text{effective}}$ 1.09 ↓

Southeast
 $R_{\text{effective}}$ 1.13 ↓



As of May 26, 2020

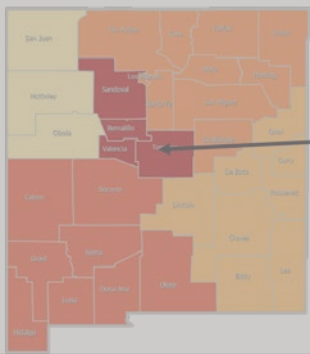
Northwest
 $R_{\text{effective}}$ 1.10 ↓

Northeast
 $R_{\text{effective}}$ 1.07 ↓

Central
 $R_{\text{effective}}$ 1.06 ↓

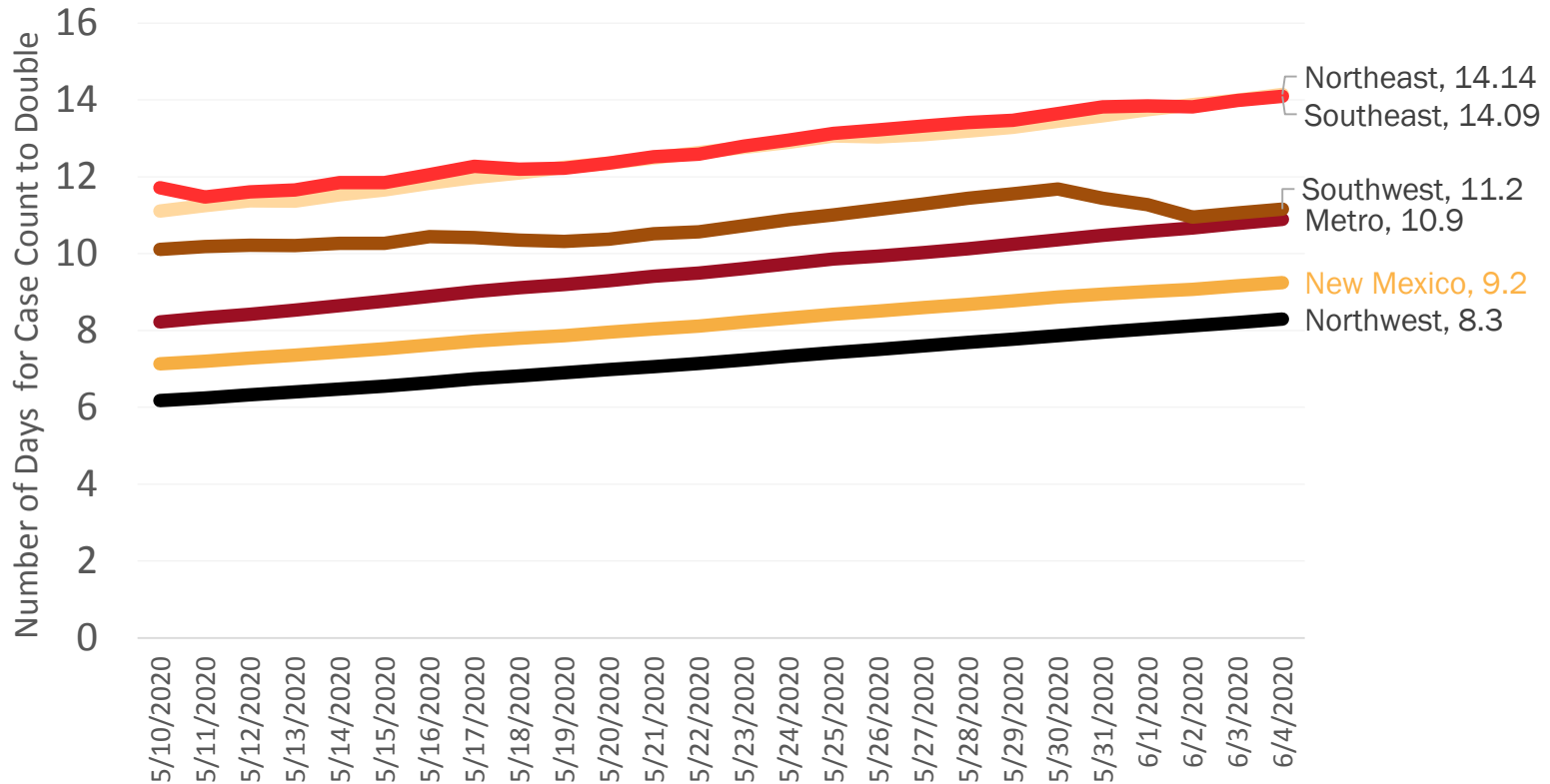
Southwest
 $R_{\text{effective}}$ 1.24 ↑

Southeast
 $R_{\text{effective}}$ 1.16 ↓



Due to a technical issue, regional $R_{\text{effective}}$ measures have not been updated for this week.

Projected Doubling Time by Health Region, New Mexico

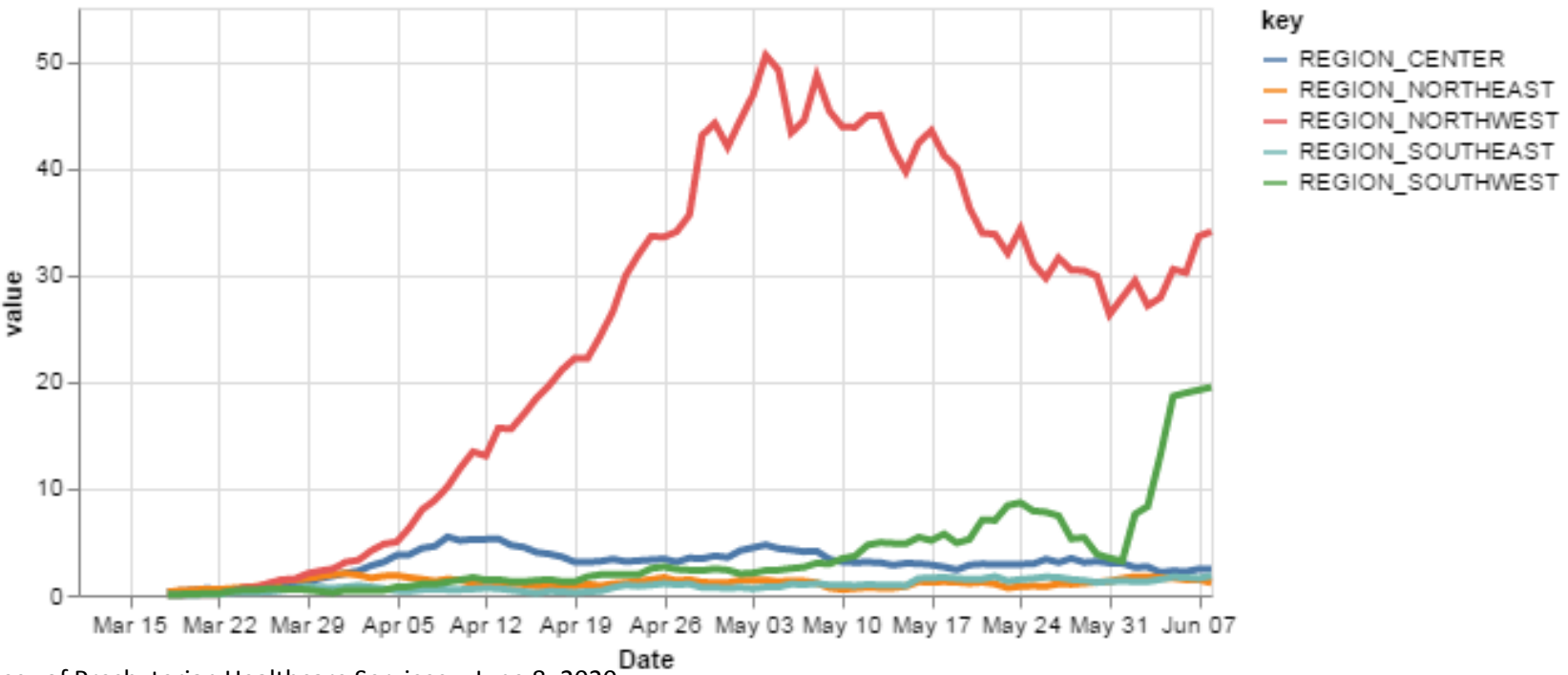


Projected Doubling Time Based on Date of Test Specimen Collection and Cumulative Average Rate of Increase.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 6.9.2020, New Mexico Department of Health.

In the past week, 7-day rolling average of reported case rates has increased in the Southwest and Northwest.

7-day rolling average of reported cases per 100,000 population by date and region



Courtesy of Presbyterian Healthcare Services – June 8, 2020.

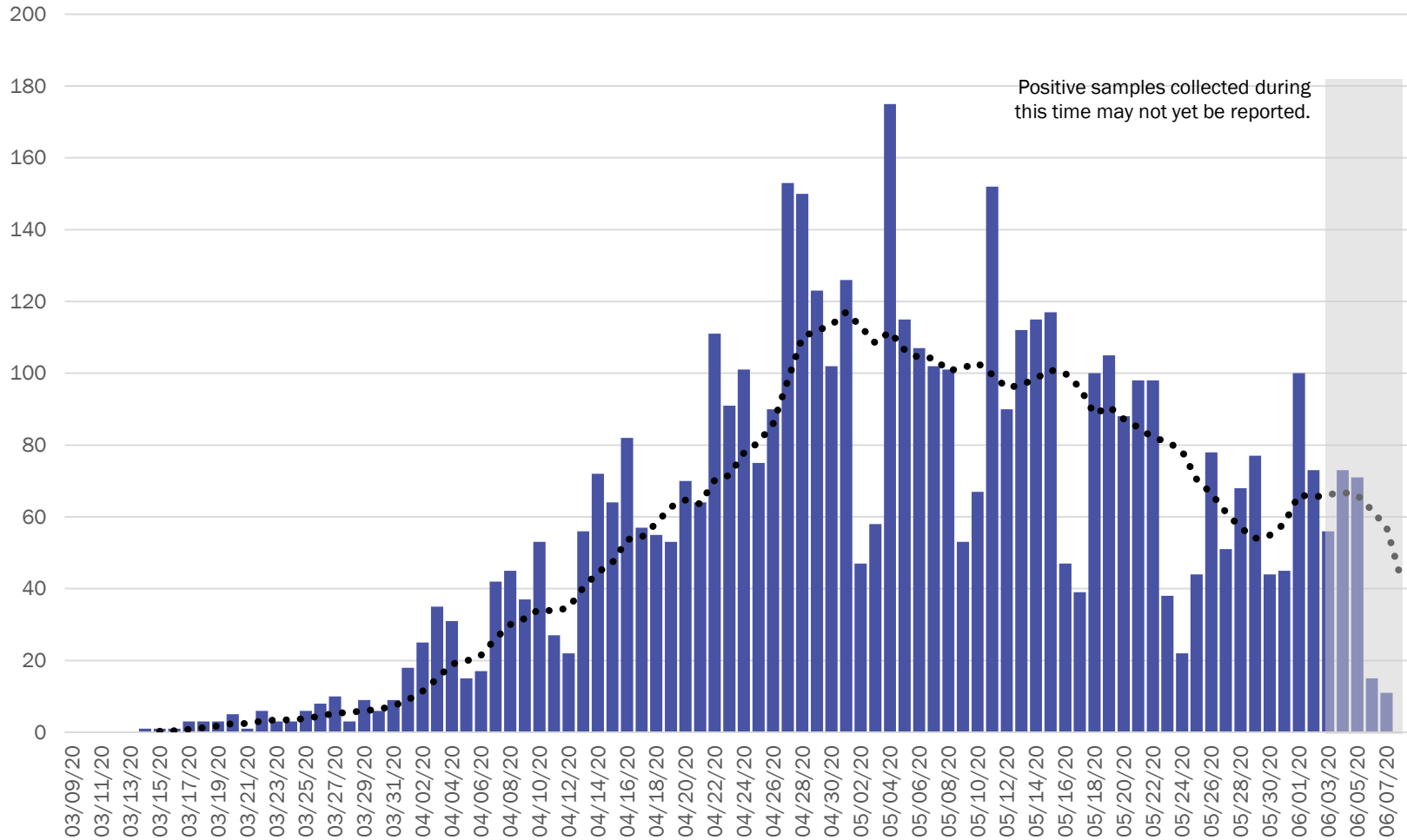


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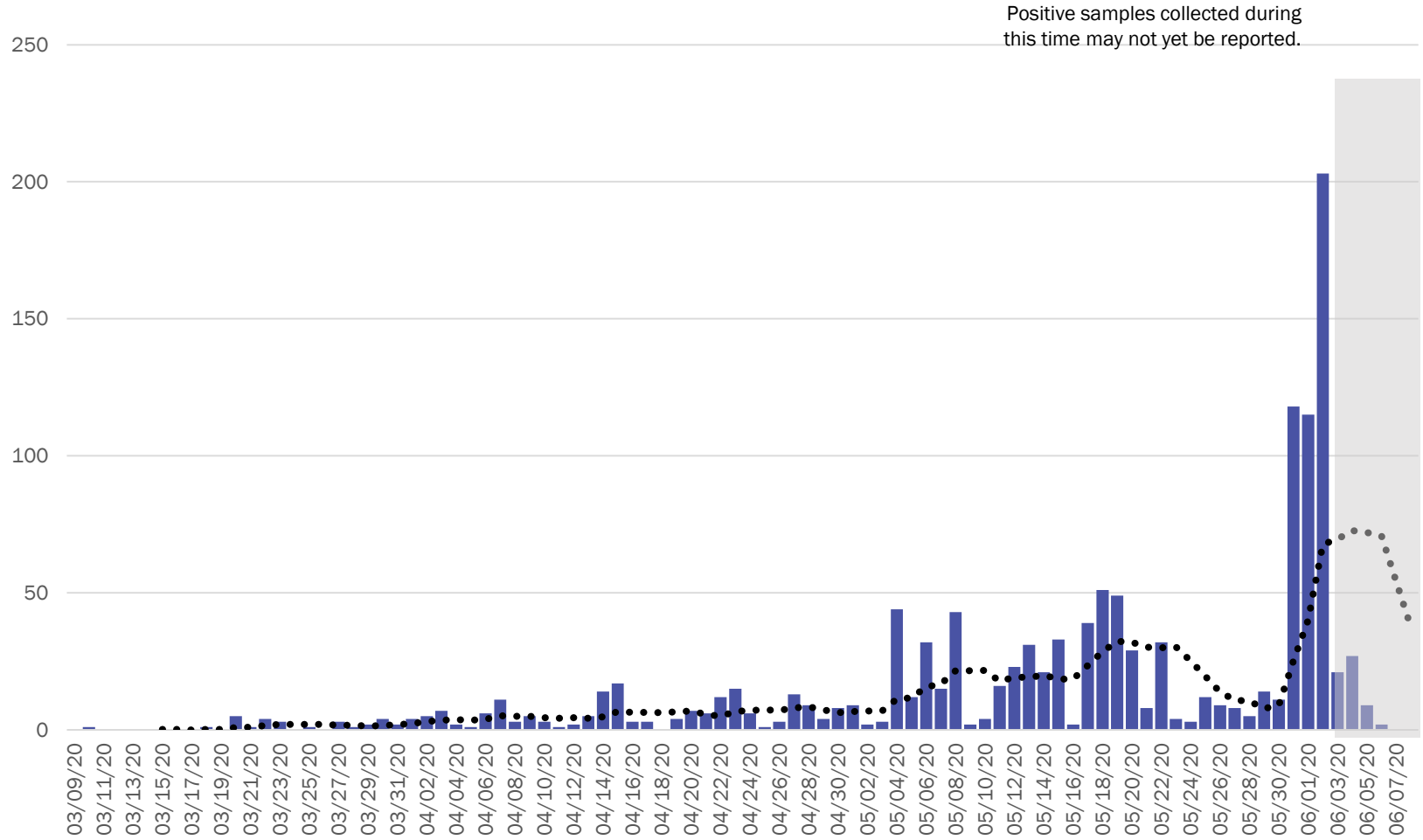


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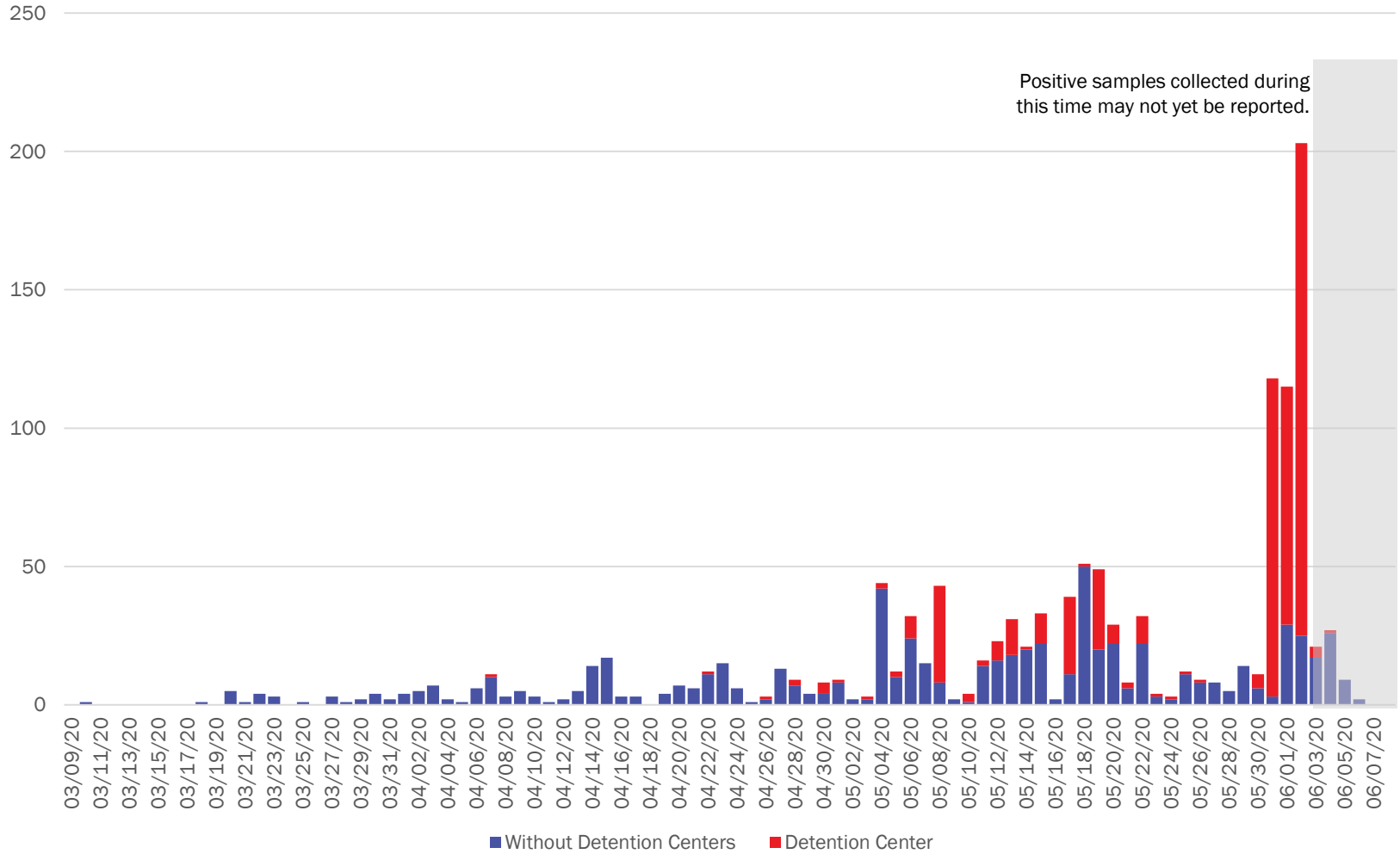
Northwest Region Case Count by Collection Date with 7 Day Moving Average – June 9, 2020



Southwest Region Case Count by Collection Date with 7 Day Moving Average – June 9, 2020

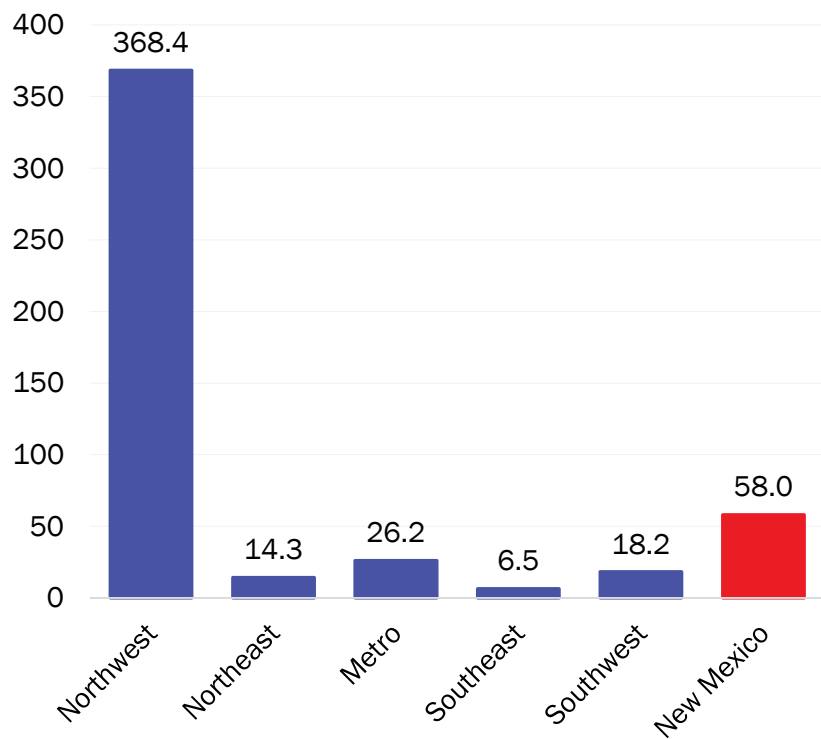


Southwest Case Count by Collection Date - 6/9/2020

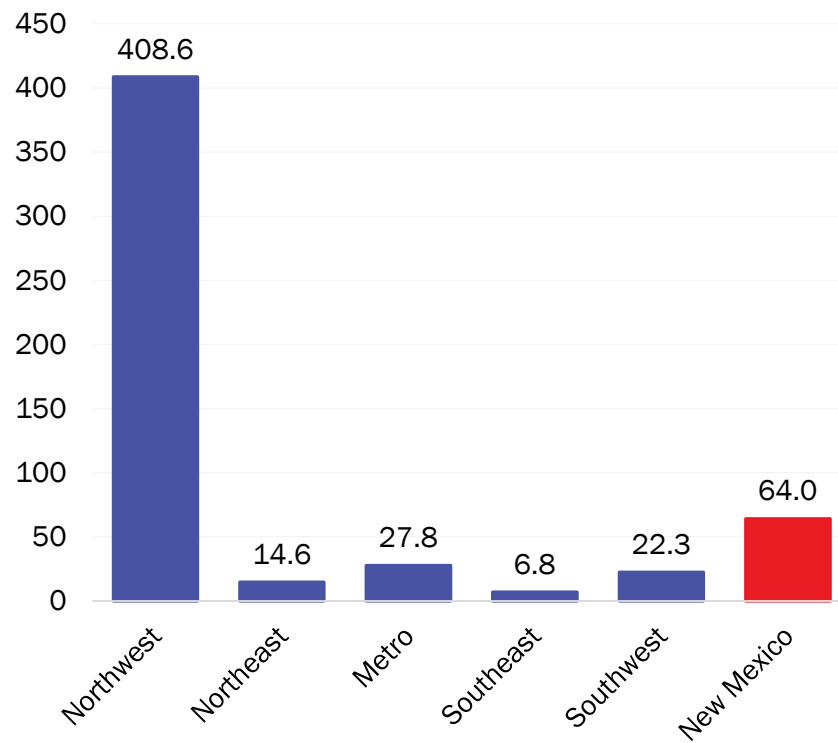


Hospitalization Rate: Number of COVID-19 cases per 100,000 population

June 1, 2020

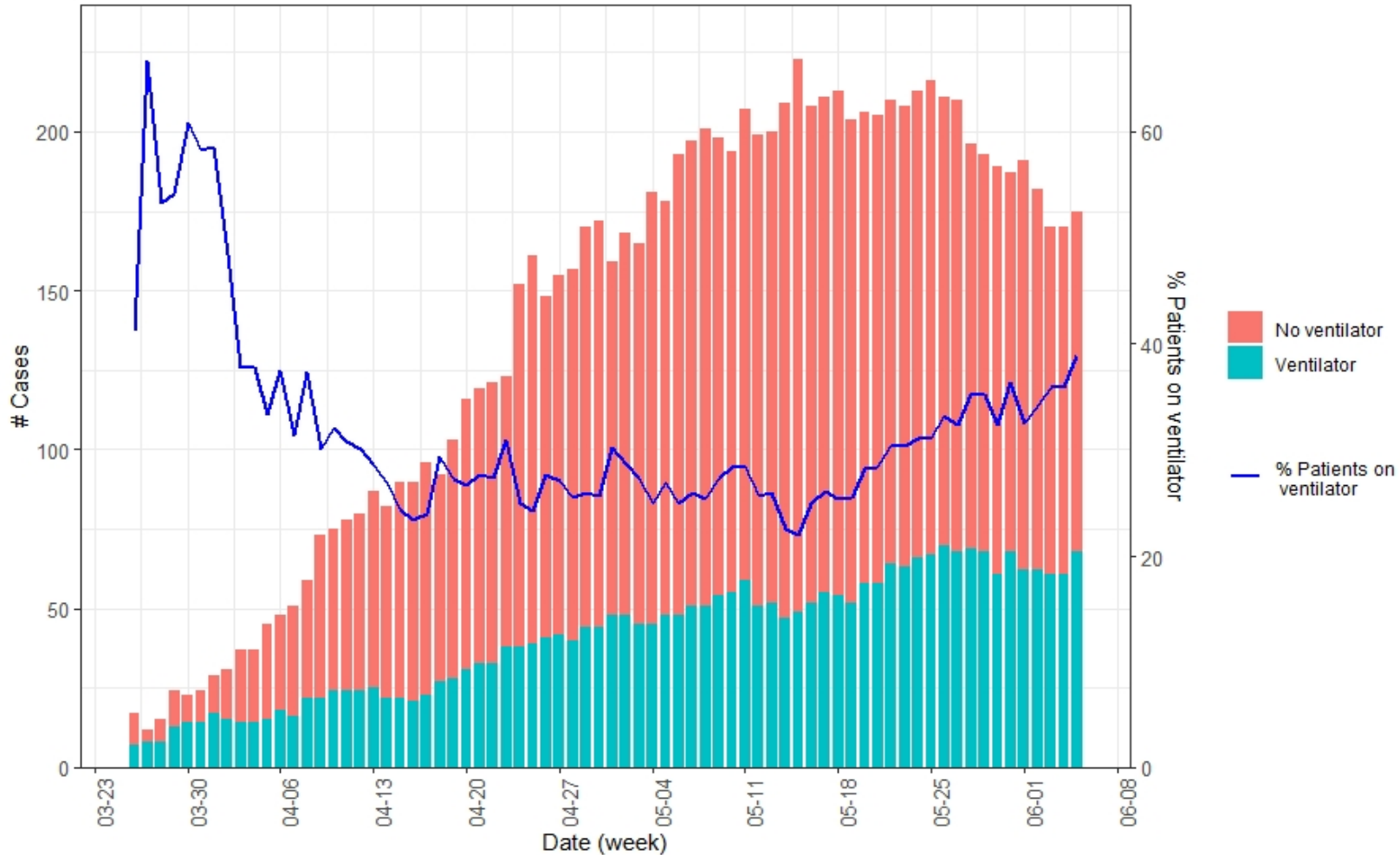


June 8, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 6.8.2020, New Mexico Department of Health. Population estimates, UNM Geospatial and Population Studies Program.

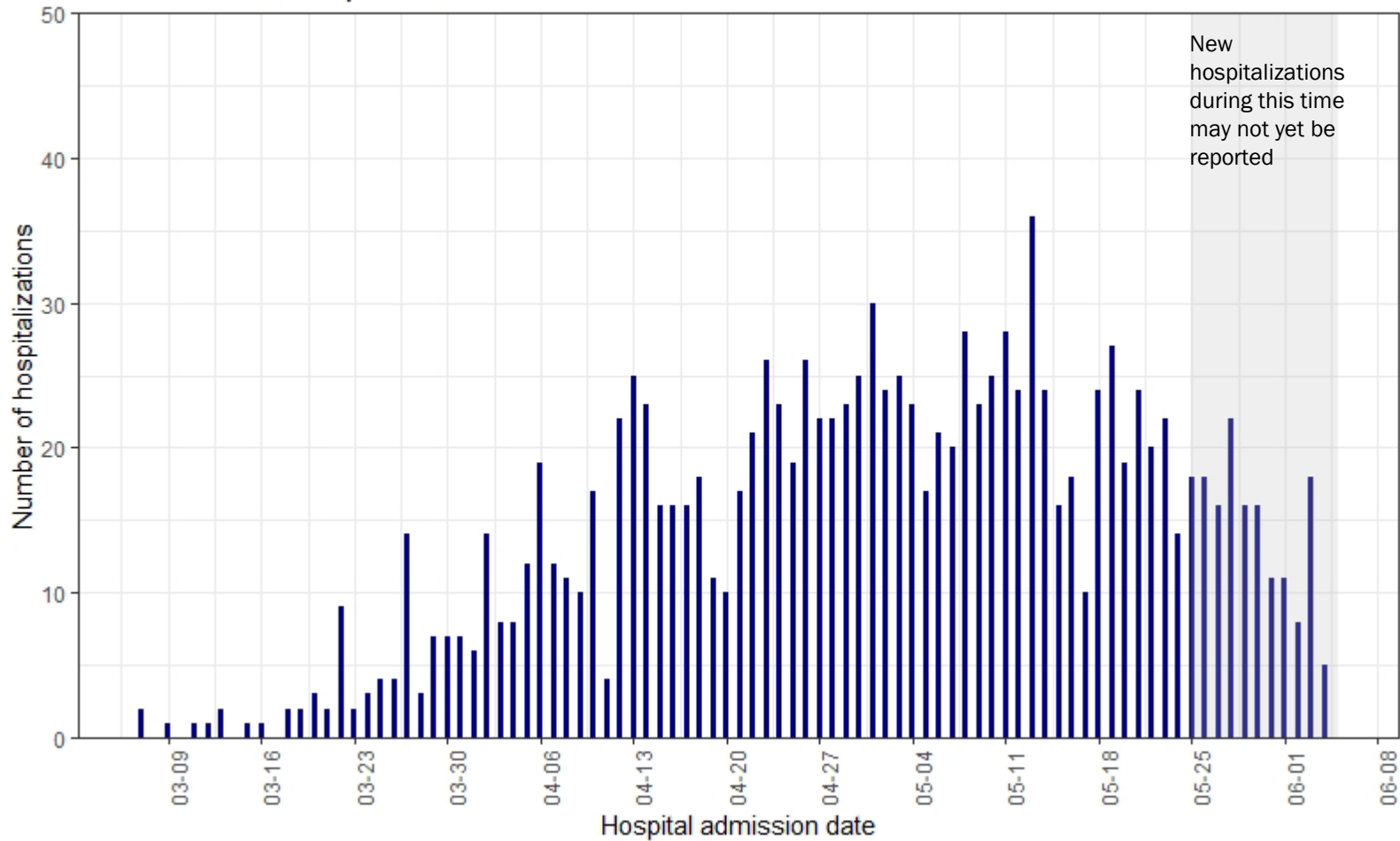
COVID-19 hospitalizations and ventilator use



As of June 5, 2020

COVID-19 daily new hospitalizations

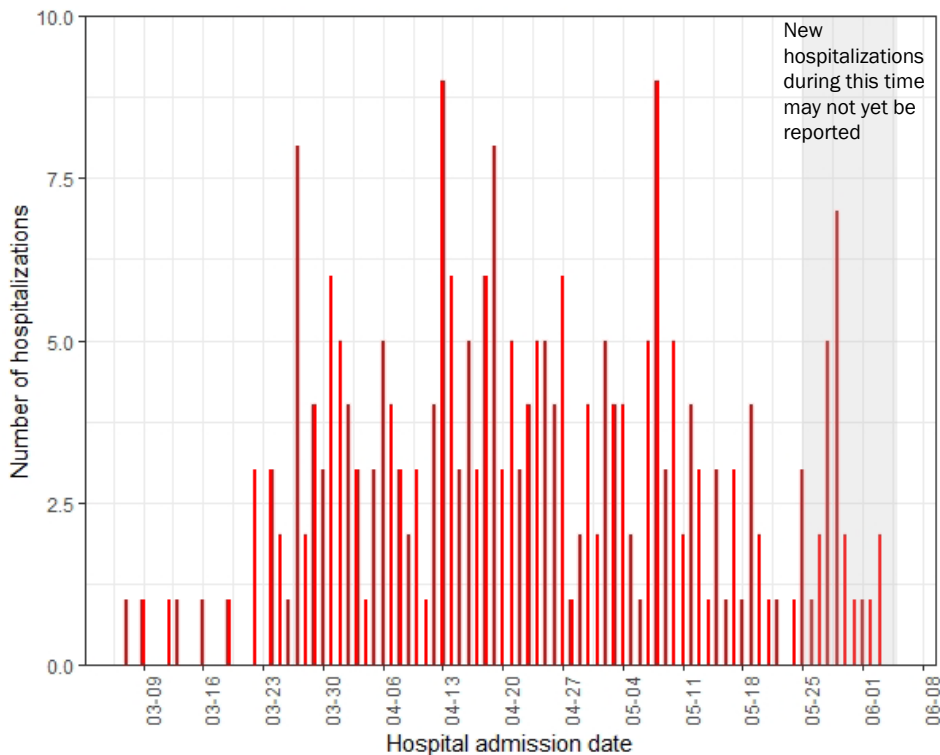
NM-EDSS on 6/5/2020 at 2:17 PM



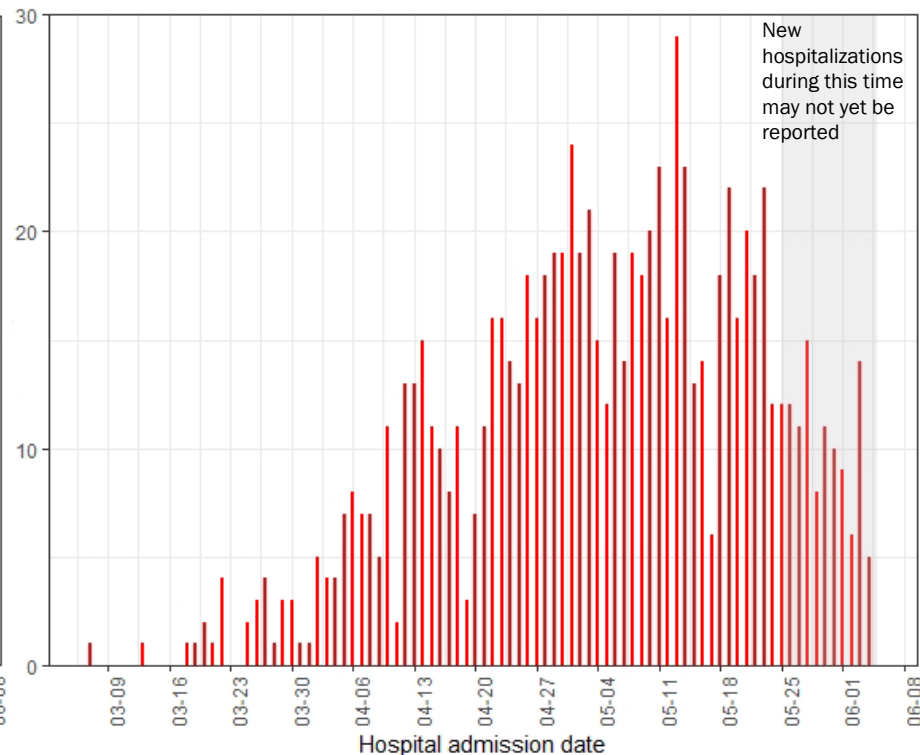
As of June 5, 2020

COVID-19 daily new hospitalizations by Regions

Metro Region



Northwest Region



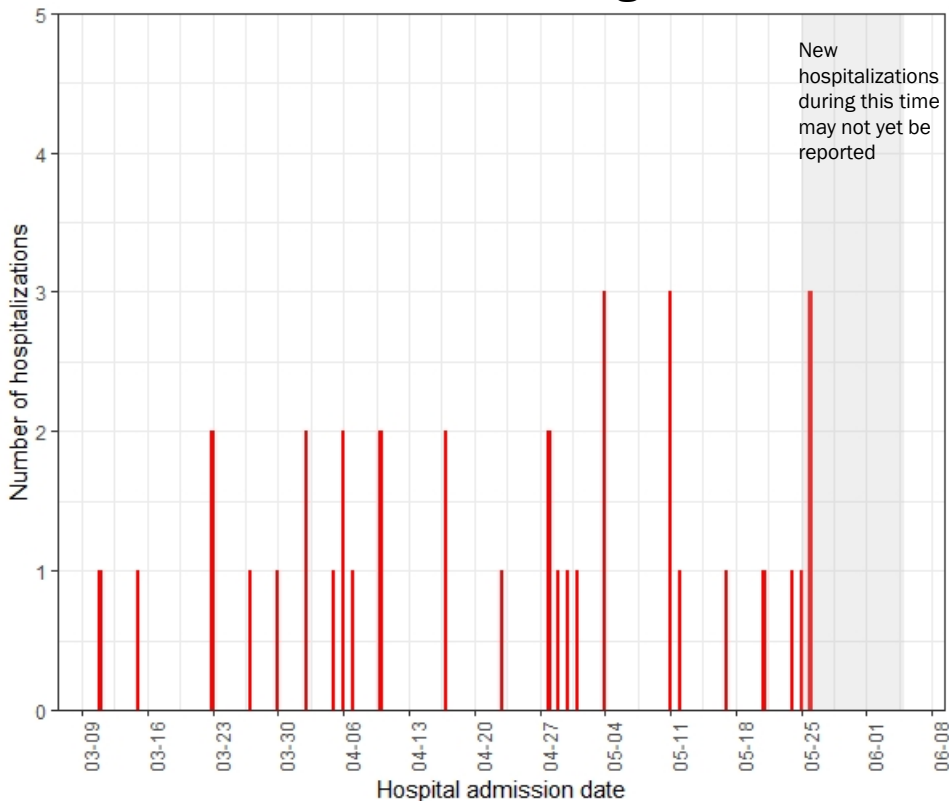
As of June 5, 2020



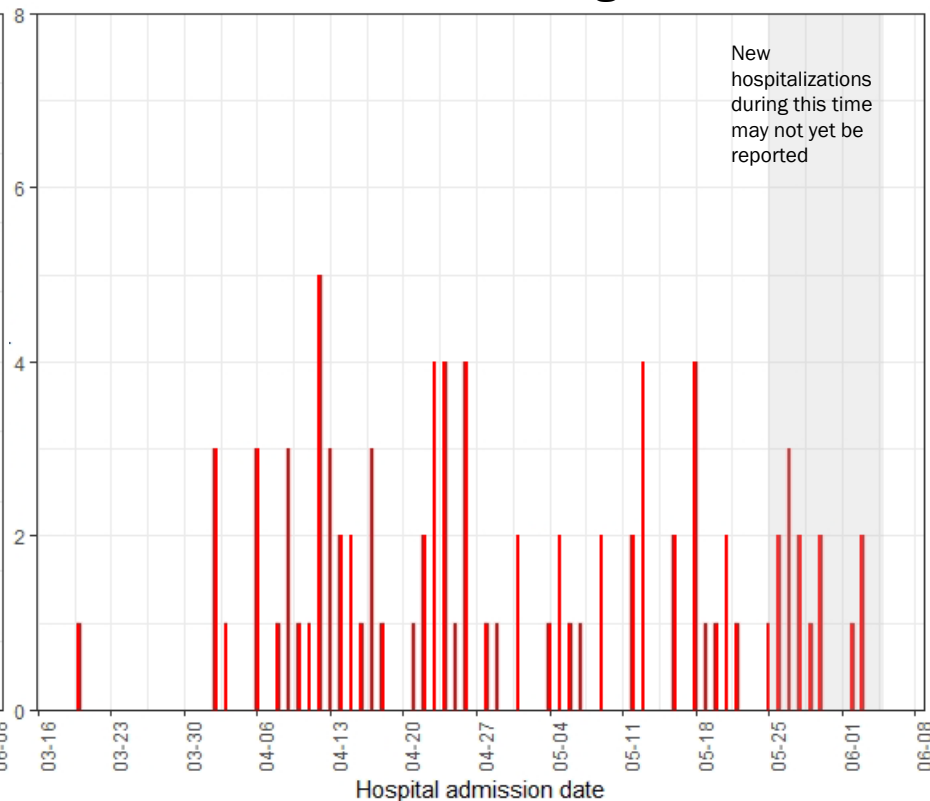
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COVID-19 daily new hospitalizations by Regions

Northeast Region



Southwest Region



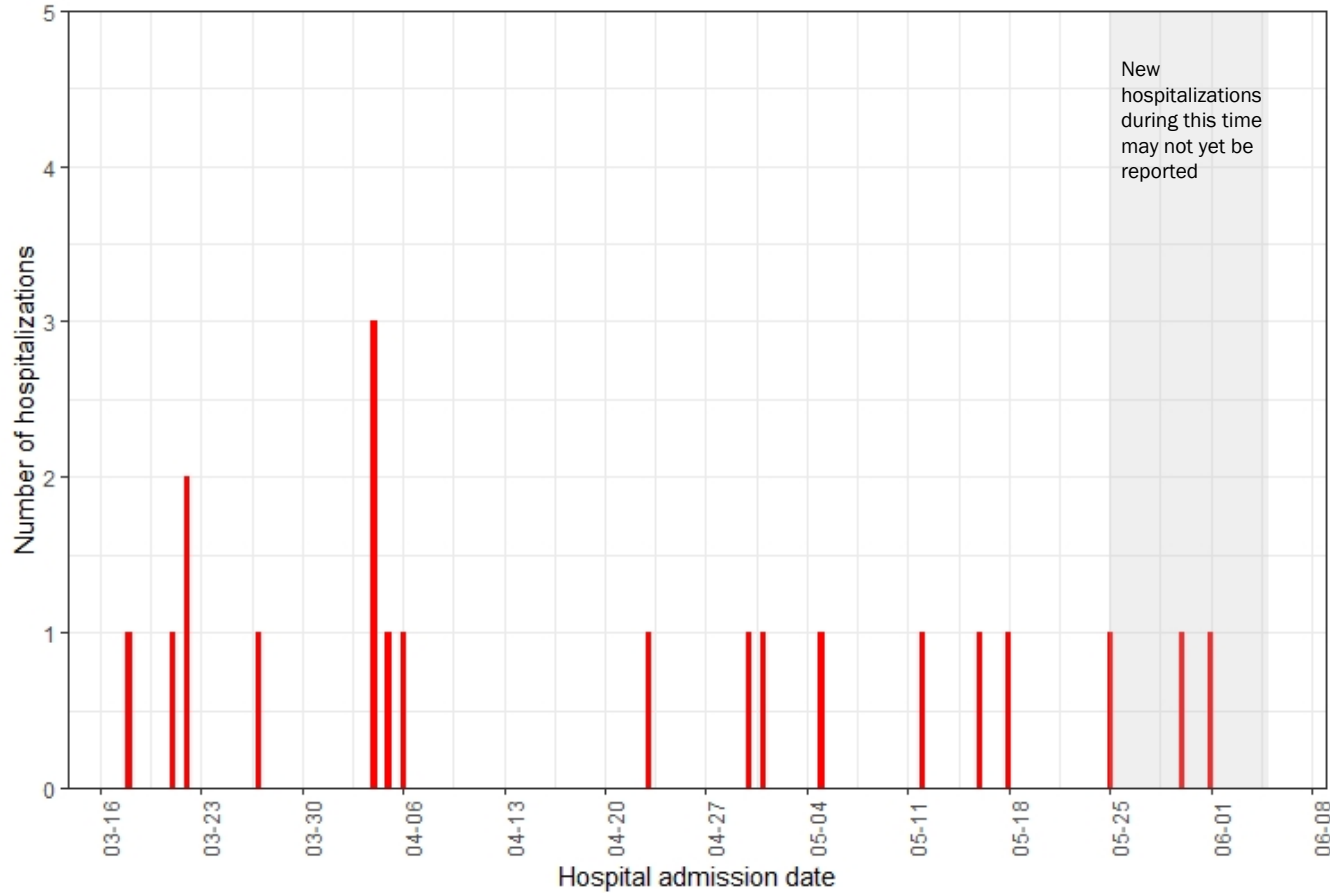
As of June 5, 2020



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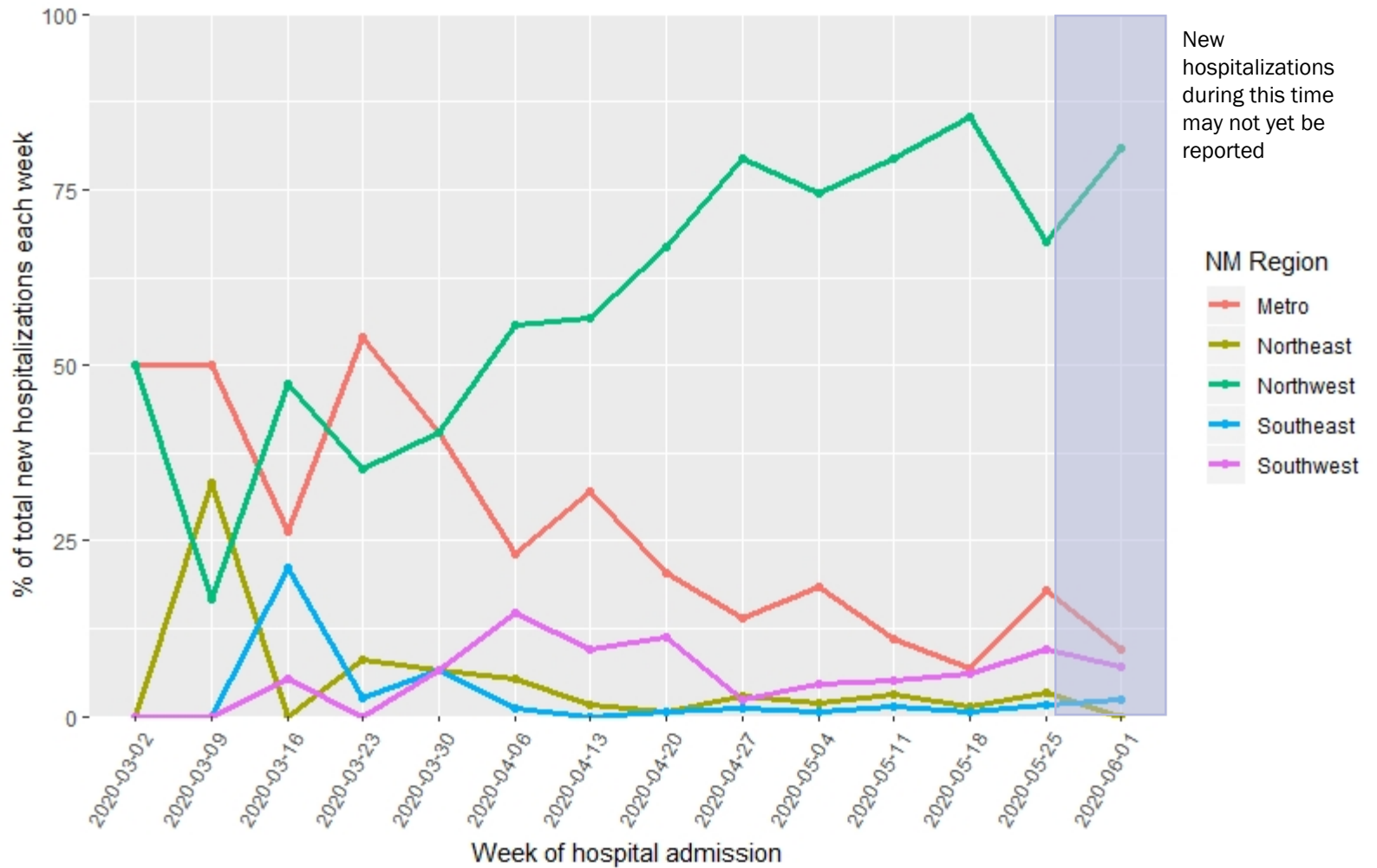
COVID-19 daily new hospitalizations by Regions

Southeast Region



As of June 5, 2020

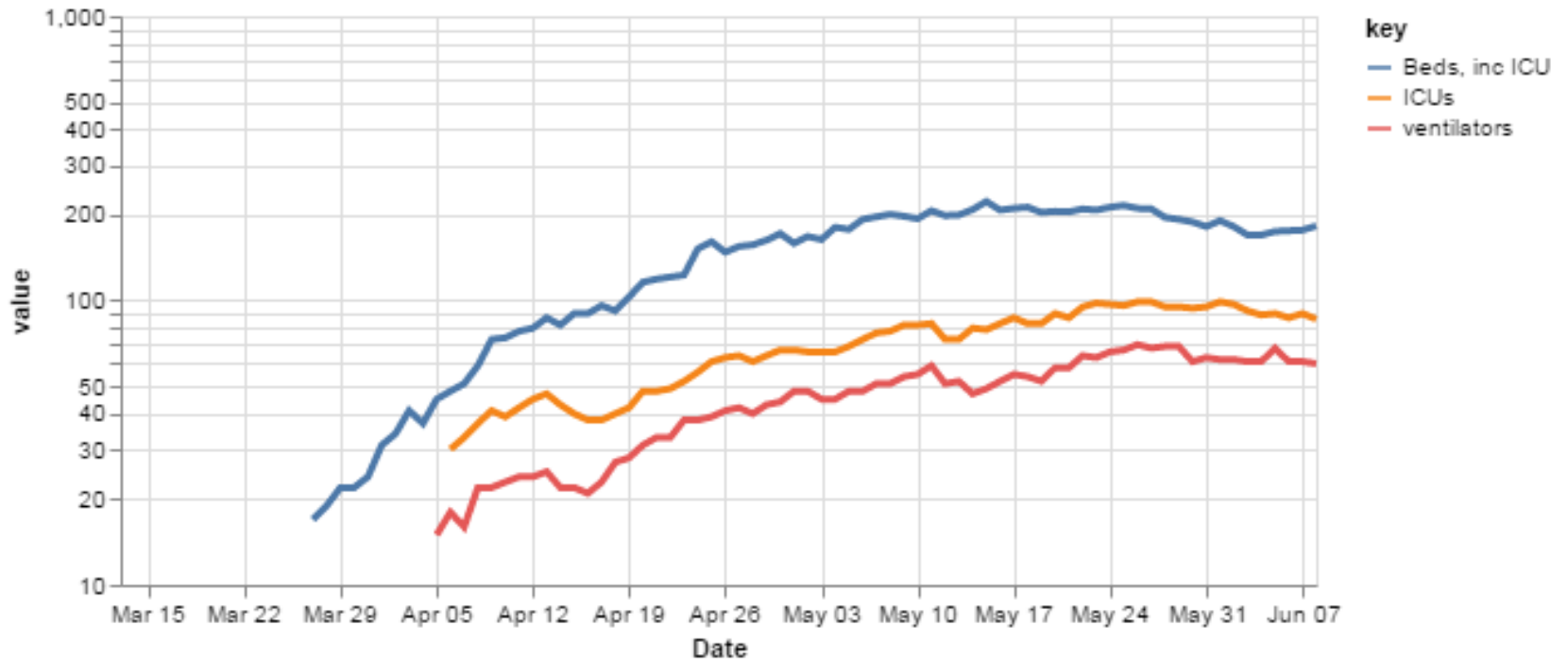
New COVID-19 hospitalizations each week



Hospitalizations and ventilators seem to have plateaued.

log(beds, ICUs, vents) over time

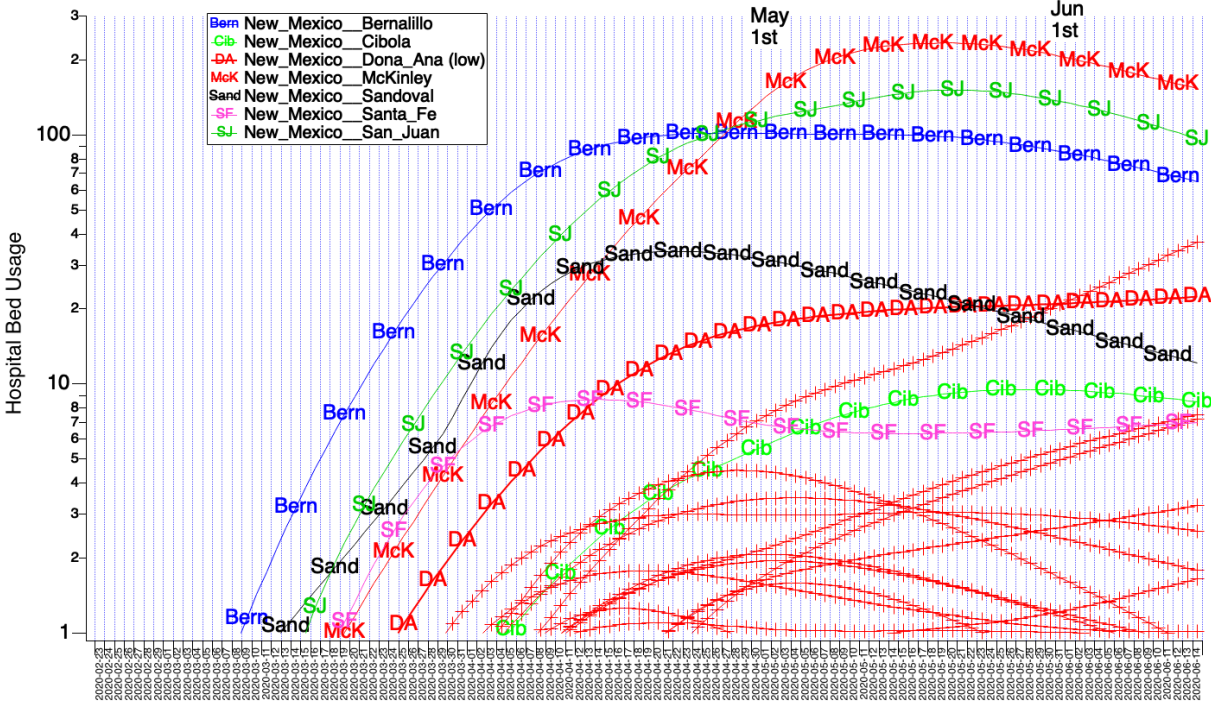
For comparison against state-reported data, this chart **includes** ICUs in the count of beds



Courtesy of Presbyterian Healthcare Services – June 8, 2020.

On a county level, most counties have decreasing hospitalizations.

Hospital Beds + ICU



Date (2/23 - 6/7)

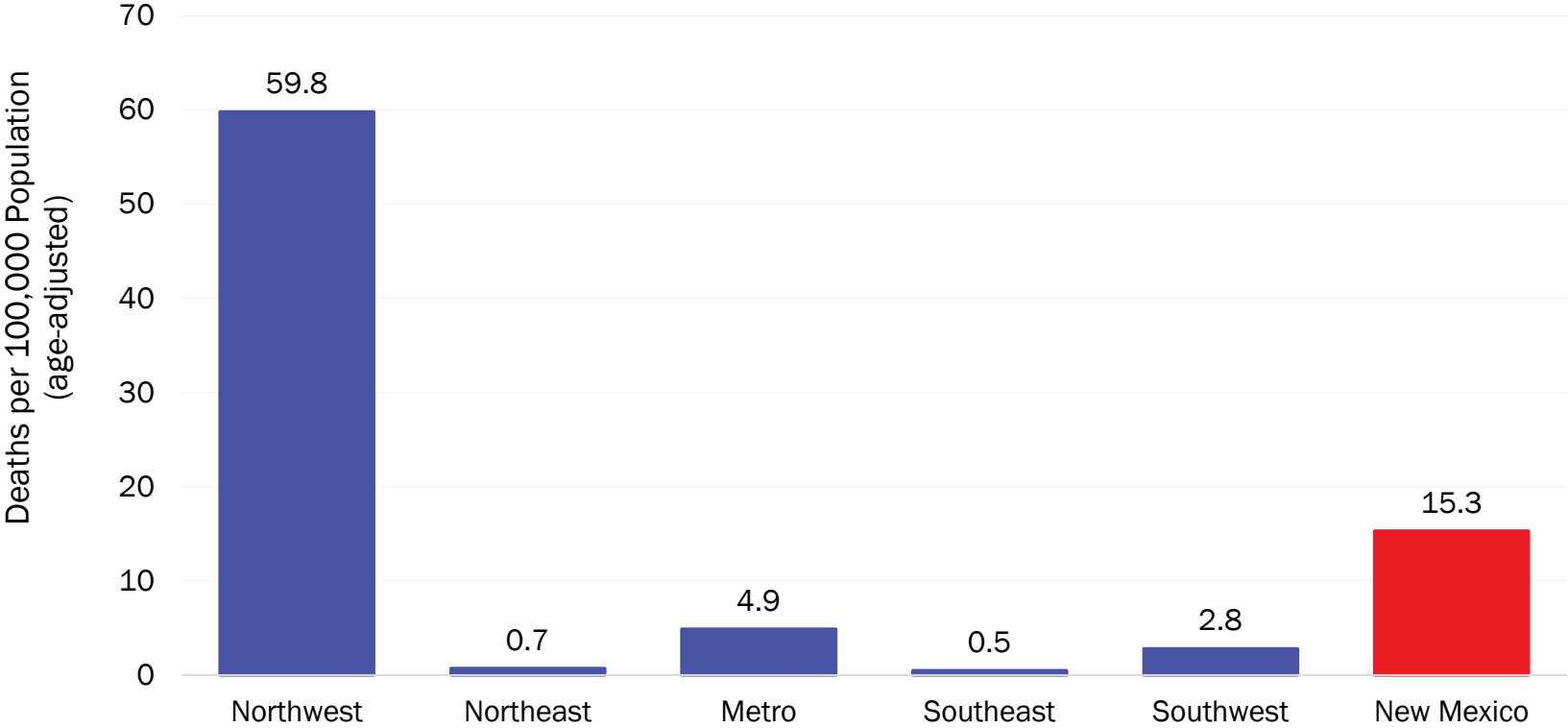
Courtesy of LANL – June 4, 2020.



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Mortality Rate: Number of COVID-19 deaths per 100,000 population

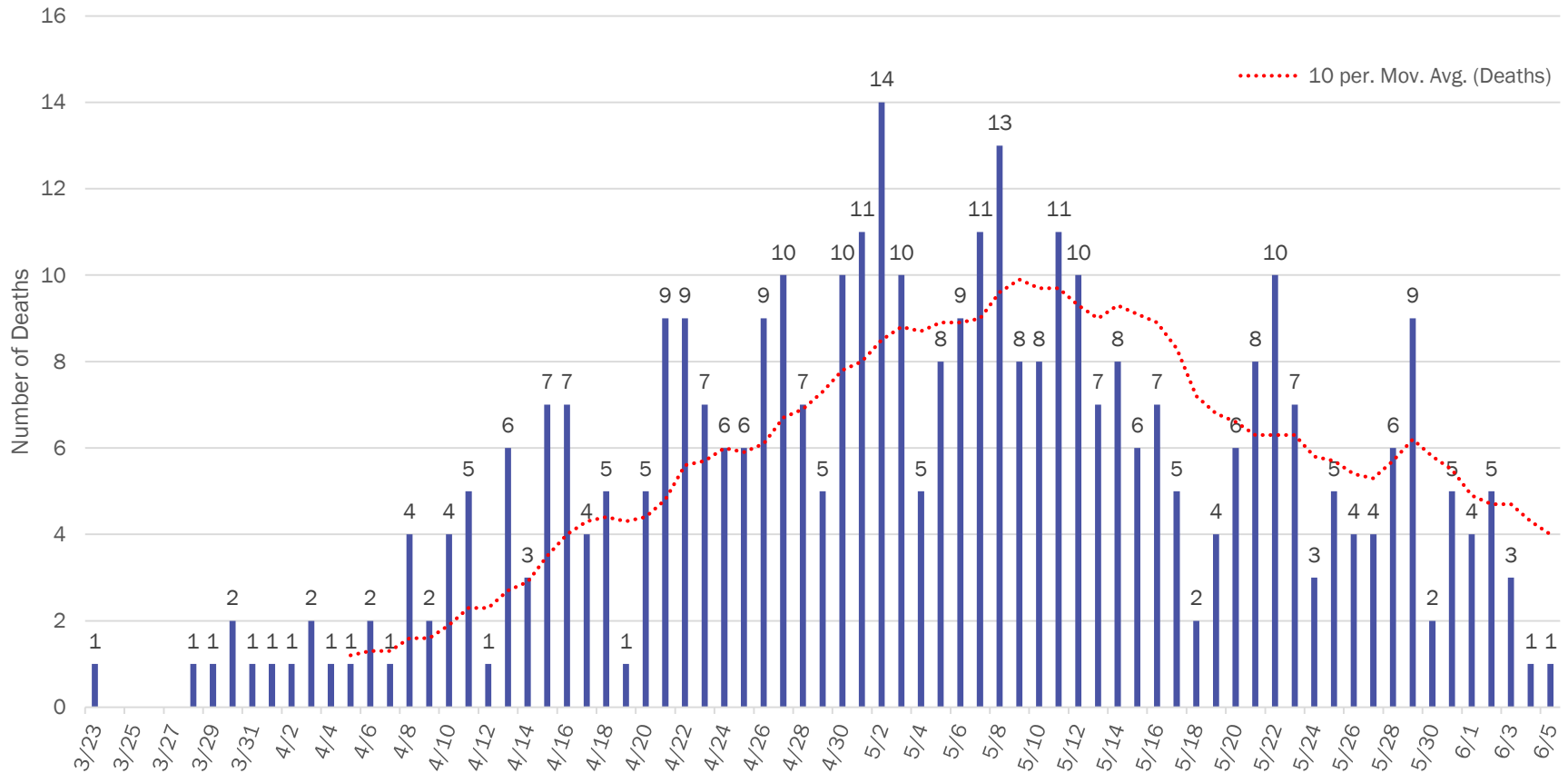


Rates have been age-adjusted to the U.S. 2000 standard population.
Source: Bureau of Vital Records and Health Statistics and Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 6.7.2020, New Mexico Department of Health. Population estimates, UNM Geospatial and Population Studies Program.



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COVID-19 Deaths by Date of Death, New Mexico



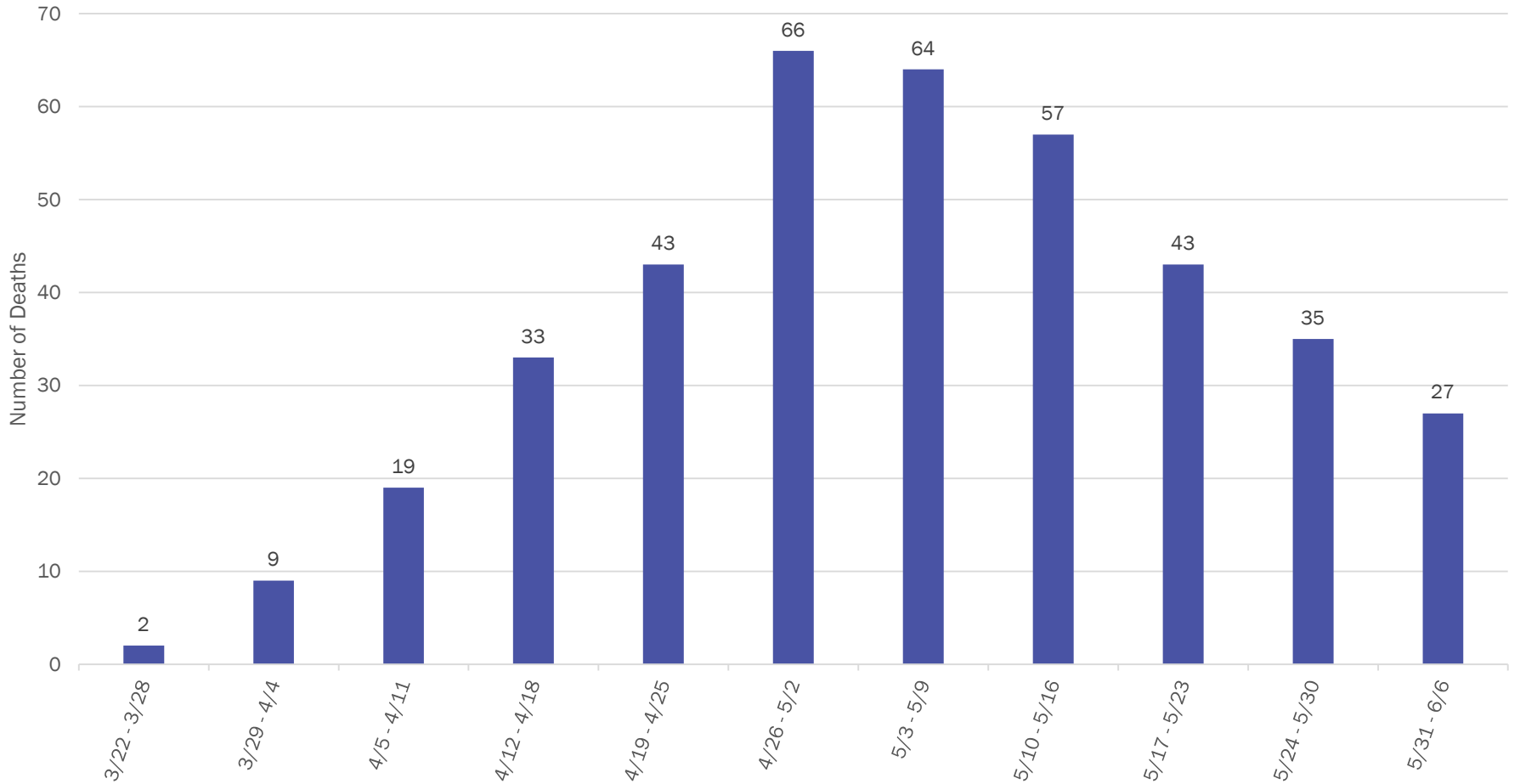
Reporting through 6/8/2020



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COVID-19 Deaths by Week of Death, New Mexico



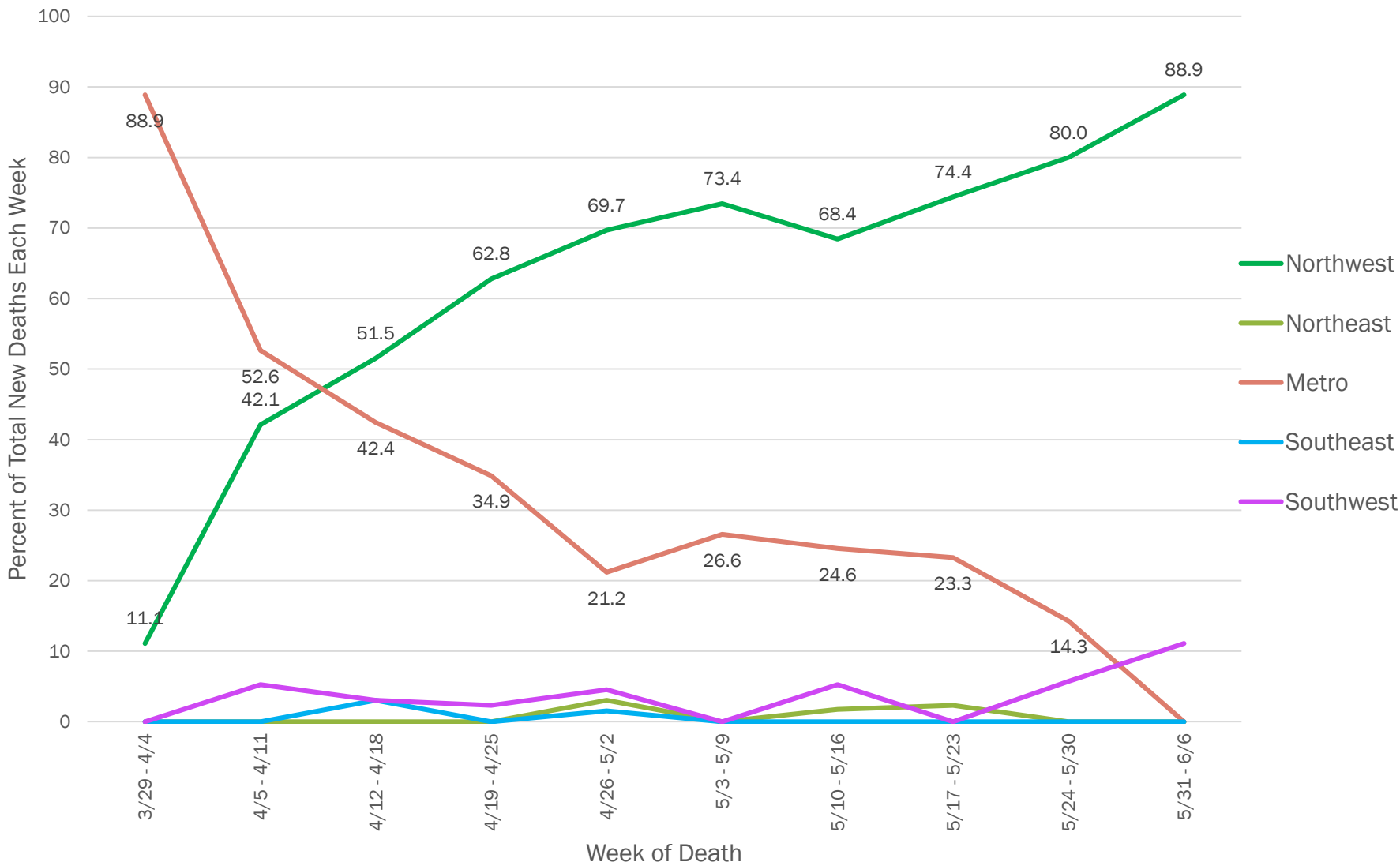
Reporting through 6/6/2020



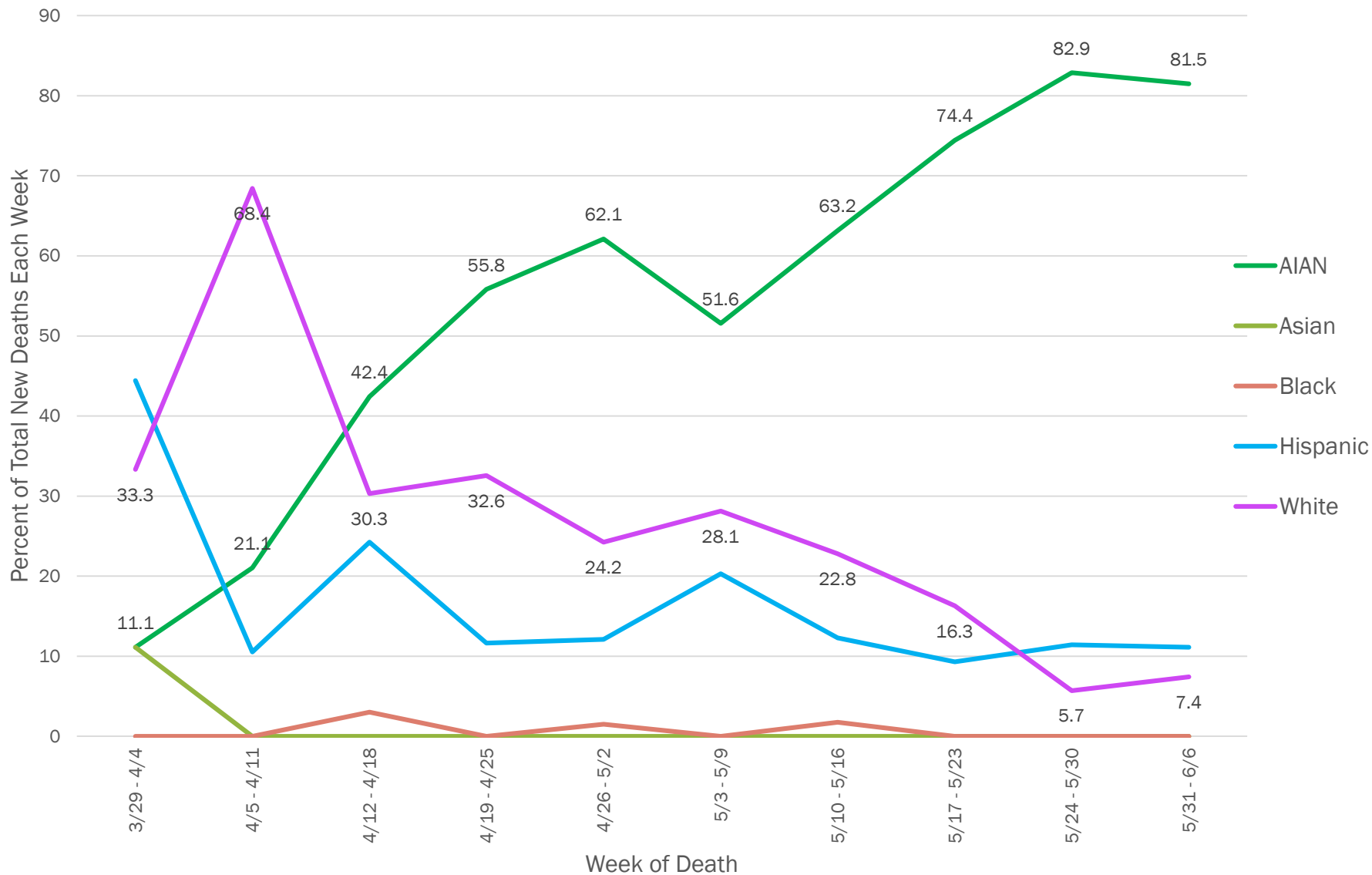
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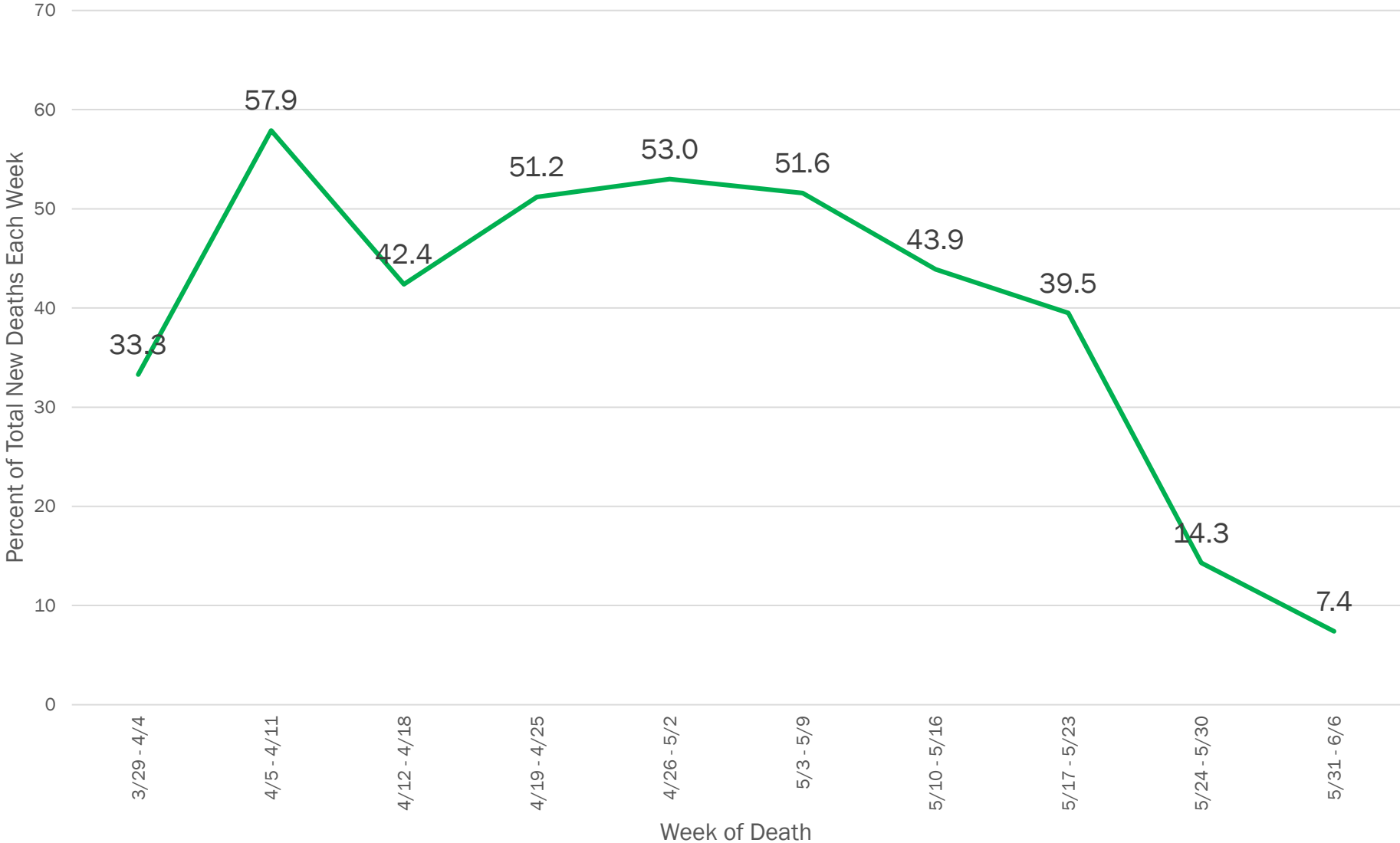
New COVID-19 Deaths by Week and Region



New COVID-19 Deaths by Week and Race/Ethnicity



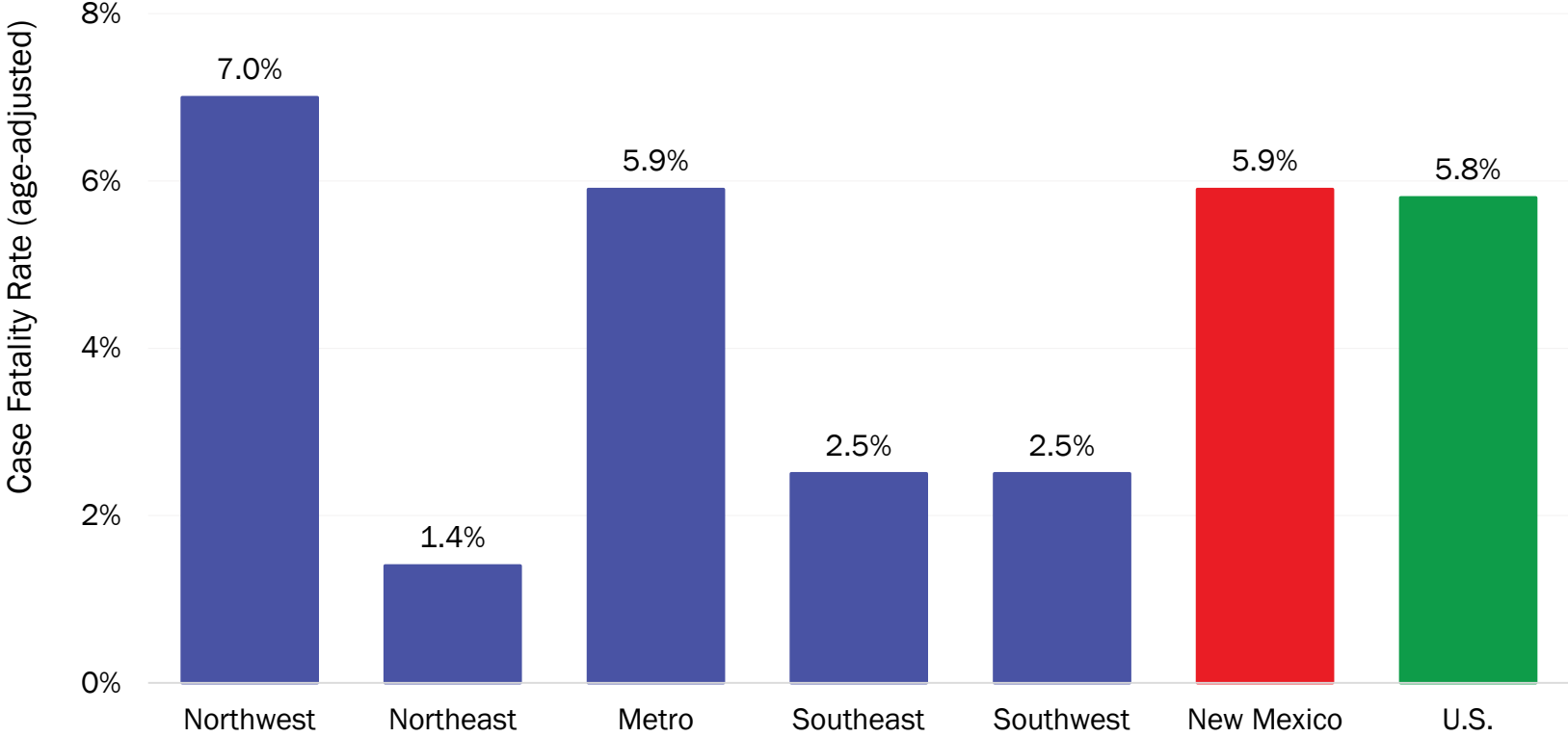
New COVID-19 Deaths by Week and Long Term Care Residence



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Case Fatality Rate: Percentage of COVID-19 cases resulting in death



New Mexico Health Region

Rates have been age-adjusted to U.S. COVID-19 cases.

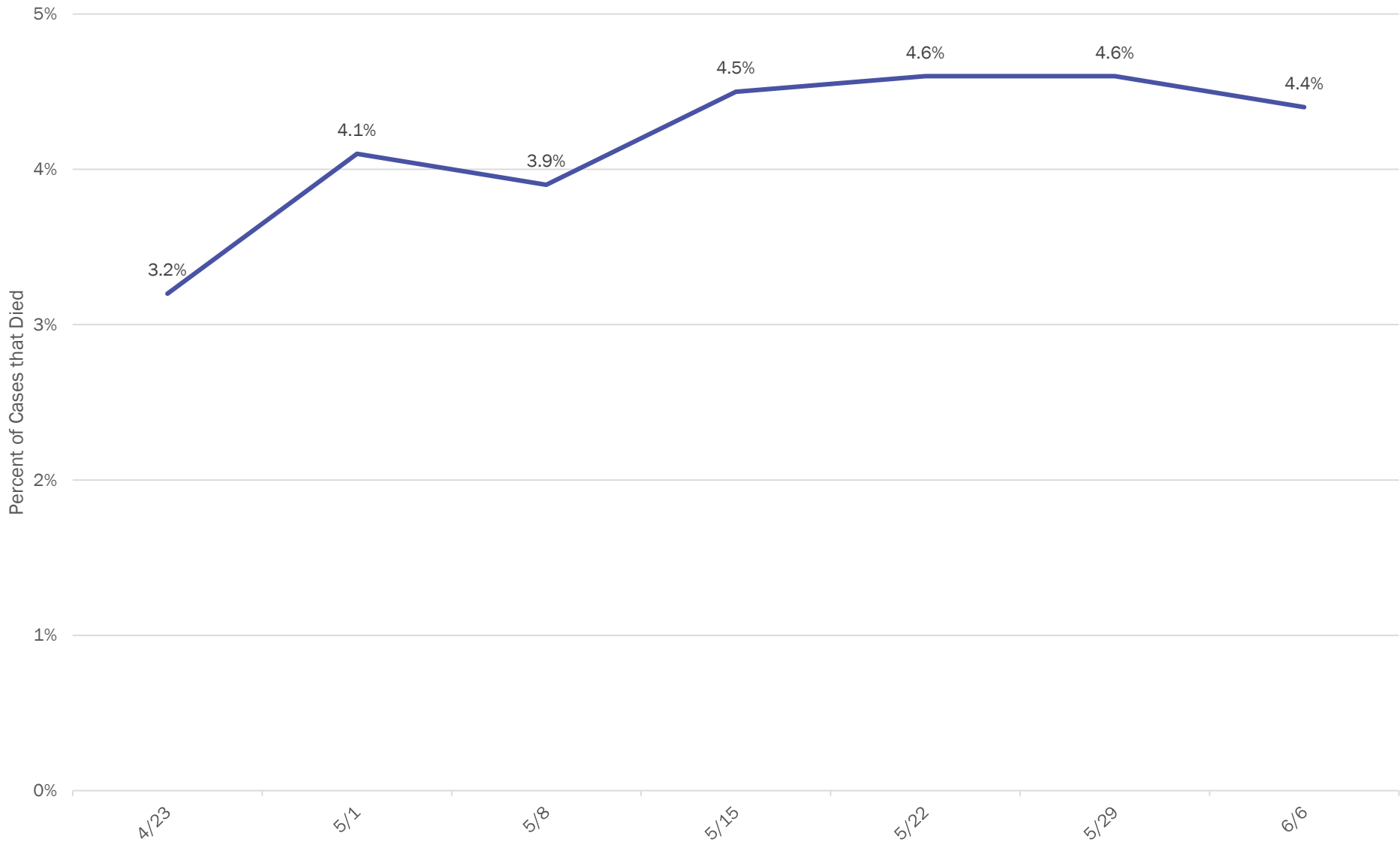
Source: Bureau of Vital Records and Health Statistics and Infectious Disease Epidemiology Bureau, Epidemiology and Response Division, reporting through 6.5.2020, New Mexico Department of Health.



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Cumulative Case Fatality



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Supplementary Slides

Modeling Assumptions

Variable	Measured Value	Value as of 6.8.20
R_Effective	Actual Measured Daily Value by key county	R_eff=1.07
Positive Test Multiplier	Calculated by LANL	4.4
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.3% ICU 0.3% Vent Rate 69.8% of ICU Crude Case Fatality Rate 4.4%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days