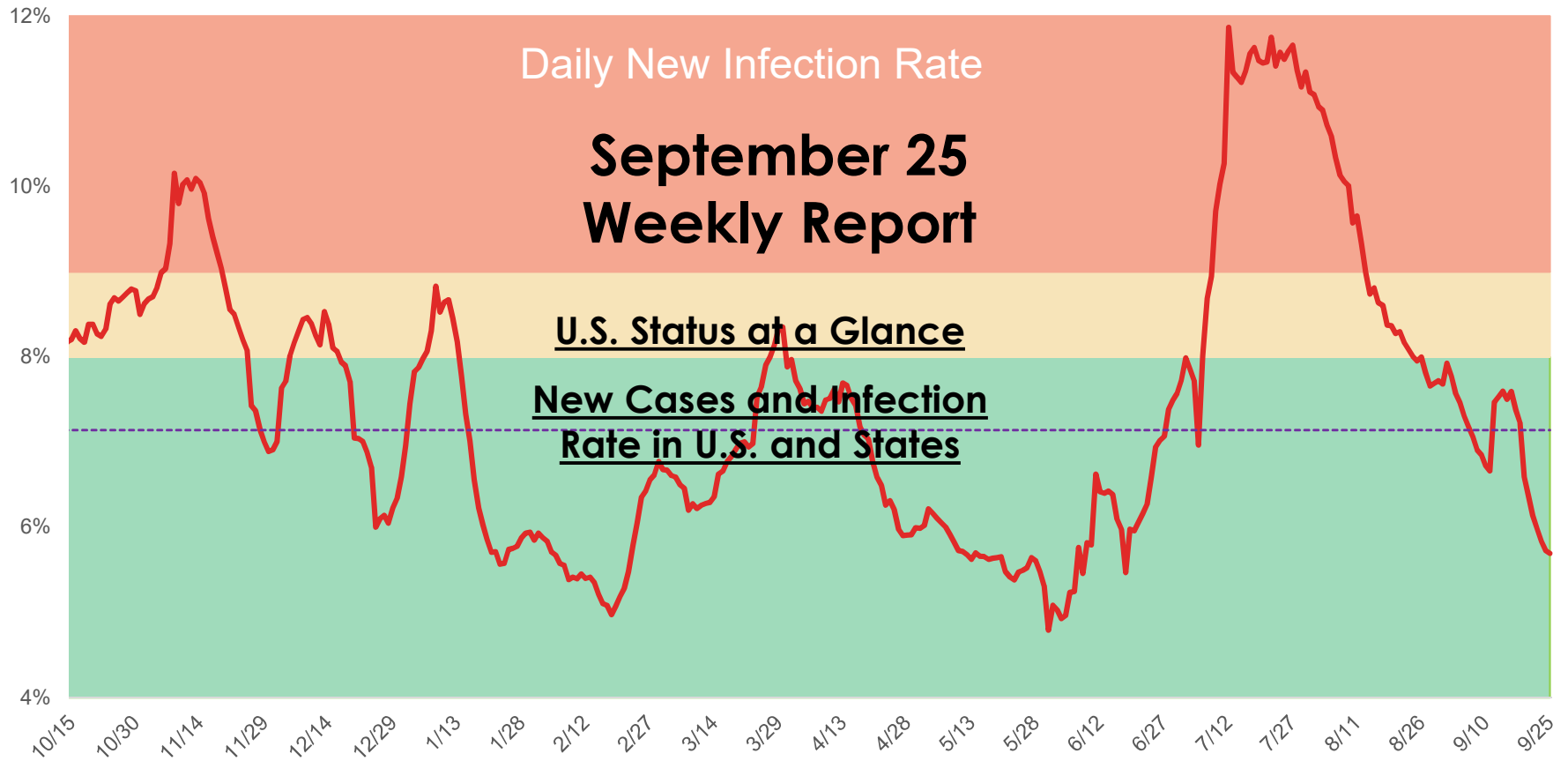


# COVID Monitoring



# U.S. COVID Status At a Glance

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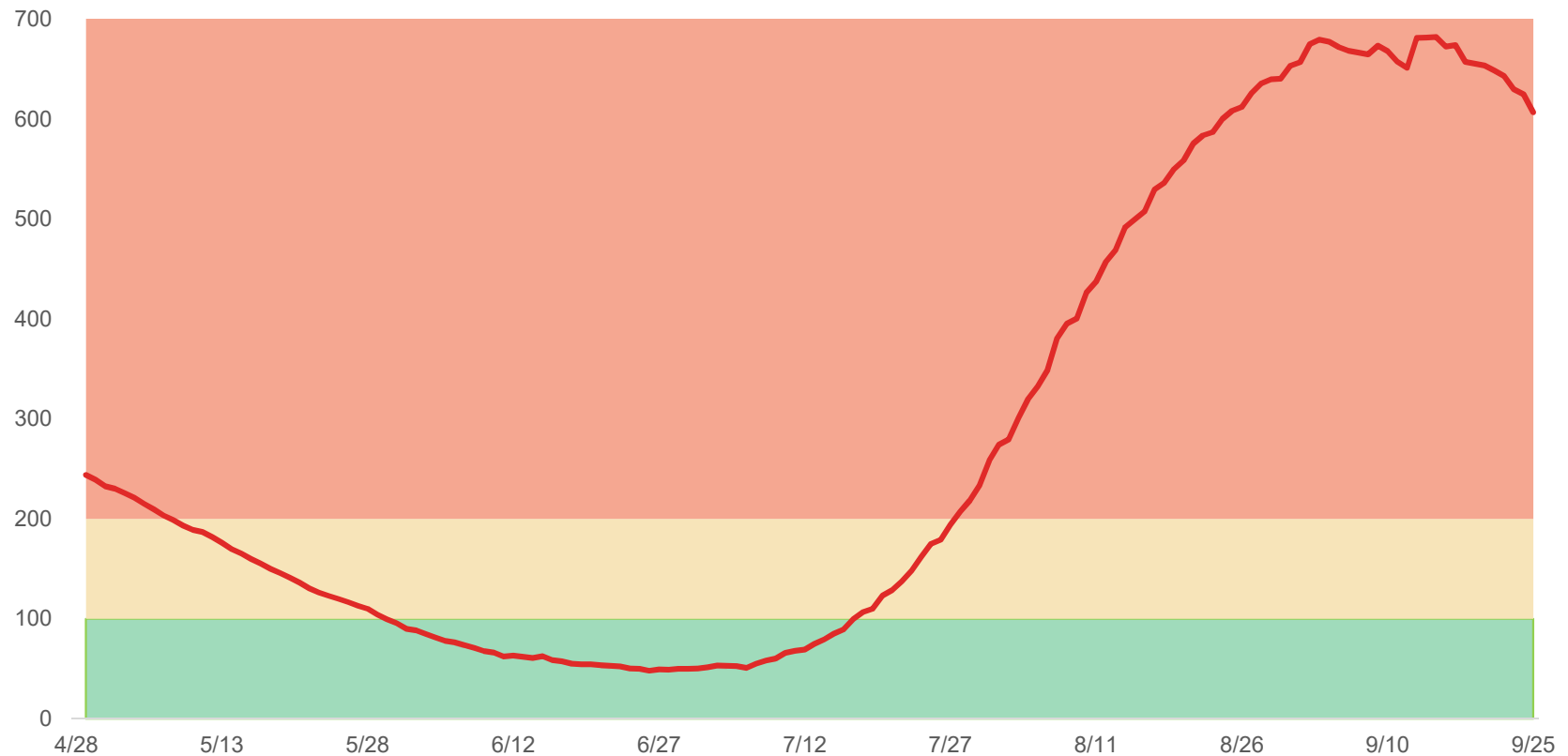
	September 18	September 25	Change
Cases in U.S.	42.0 M	42.9 M	+0.8 M
U.S. NIR	7.2%	5.7%	-1.5%
U.S. Infection Level (per 100k)	657	607	-50

Using data from Johns Hopkins and the CDC, we calculate two statistics:

- ▶ **Infection Level** - The rate of new cases in each state and the U.S. per 100,000 people
- ▶ **Daily New Infection Rate [NIR]** - Rolling average of an individual day's rate of new infections compared to the previous two weeks

*This report is a continuation of the analysis of the COVID-19 Pandemic without the view of Mitigation Compliance that was the main driver of the COVID Mitigation Monitoring Project.*

# Infection Level in U.S. (14-days New Cases per 100,000 People)



Based on the sum of new cases over previous 14 days. Data indicates most infections last about 14 days.\*

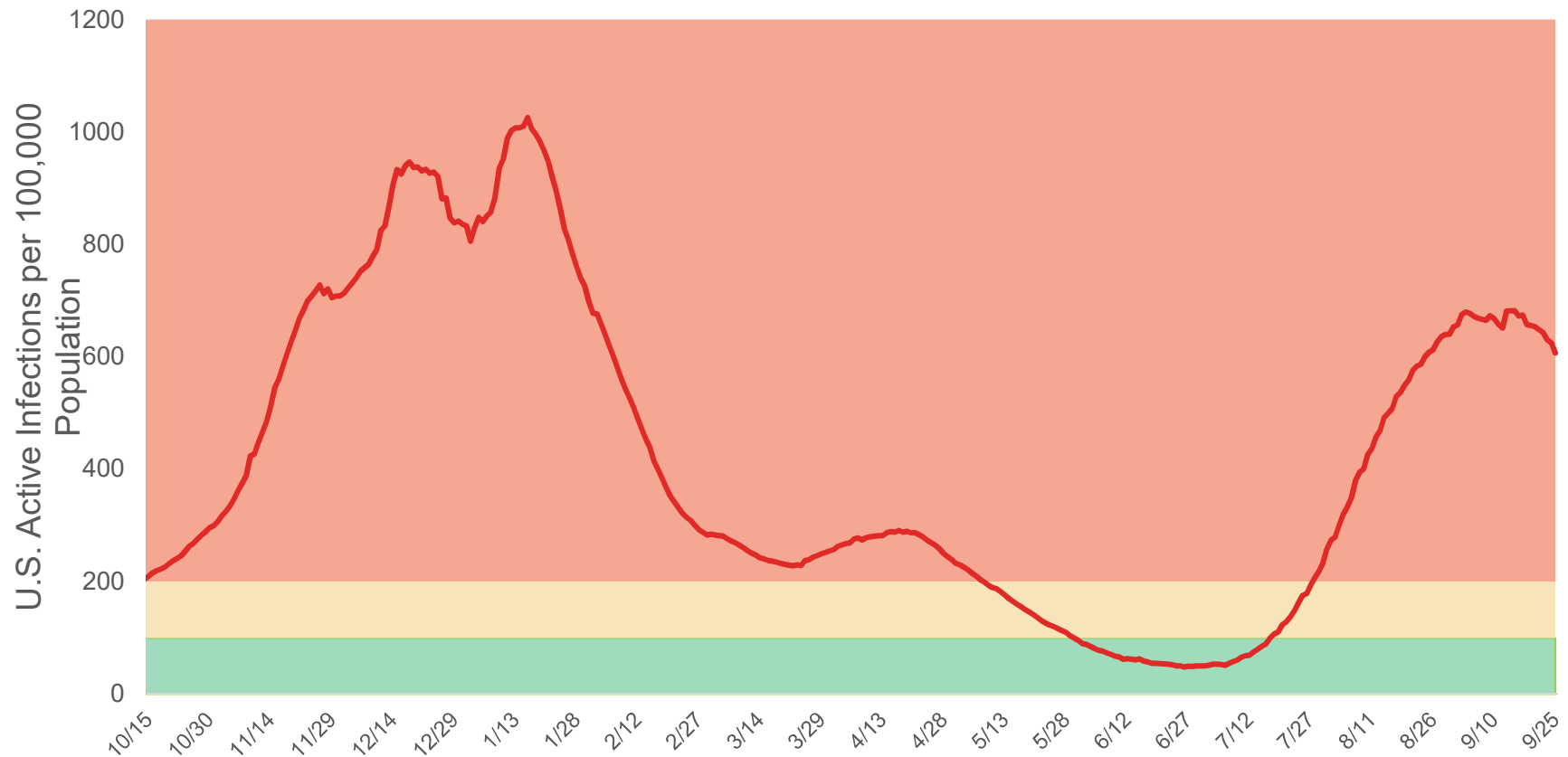
The Infection Level has again started to fall this week. Read further in this report to see if there is any indication of what might be driving this.

\*Source: [Health.Com Article "How Long Does Coronavirus Last"](#)

# Infection Level in U.S.

(14-days New Cases per 100,000 People)

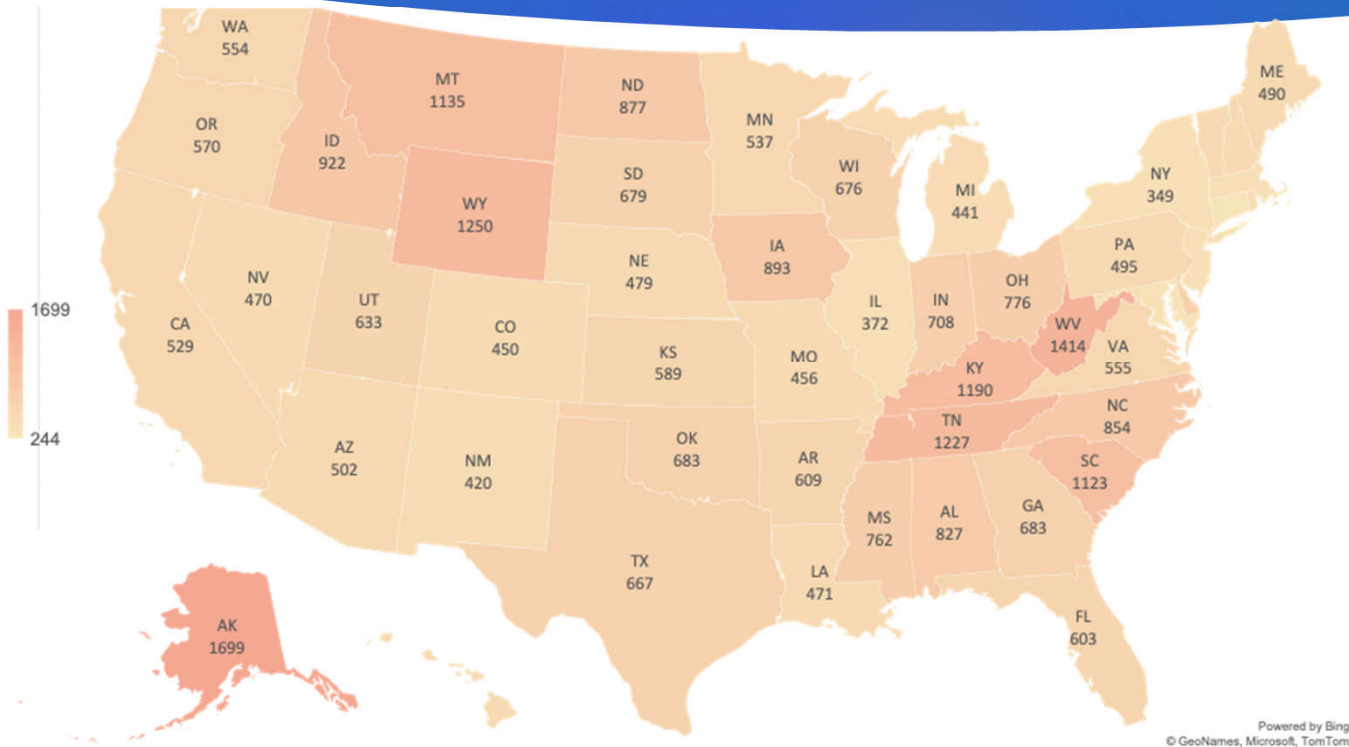
4



The long-term look at Infection Level shows that we may have peaked at about two-thirds the level of the last surge. Infection levels are still very high on the average in the U.S.

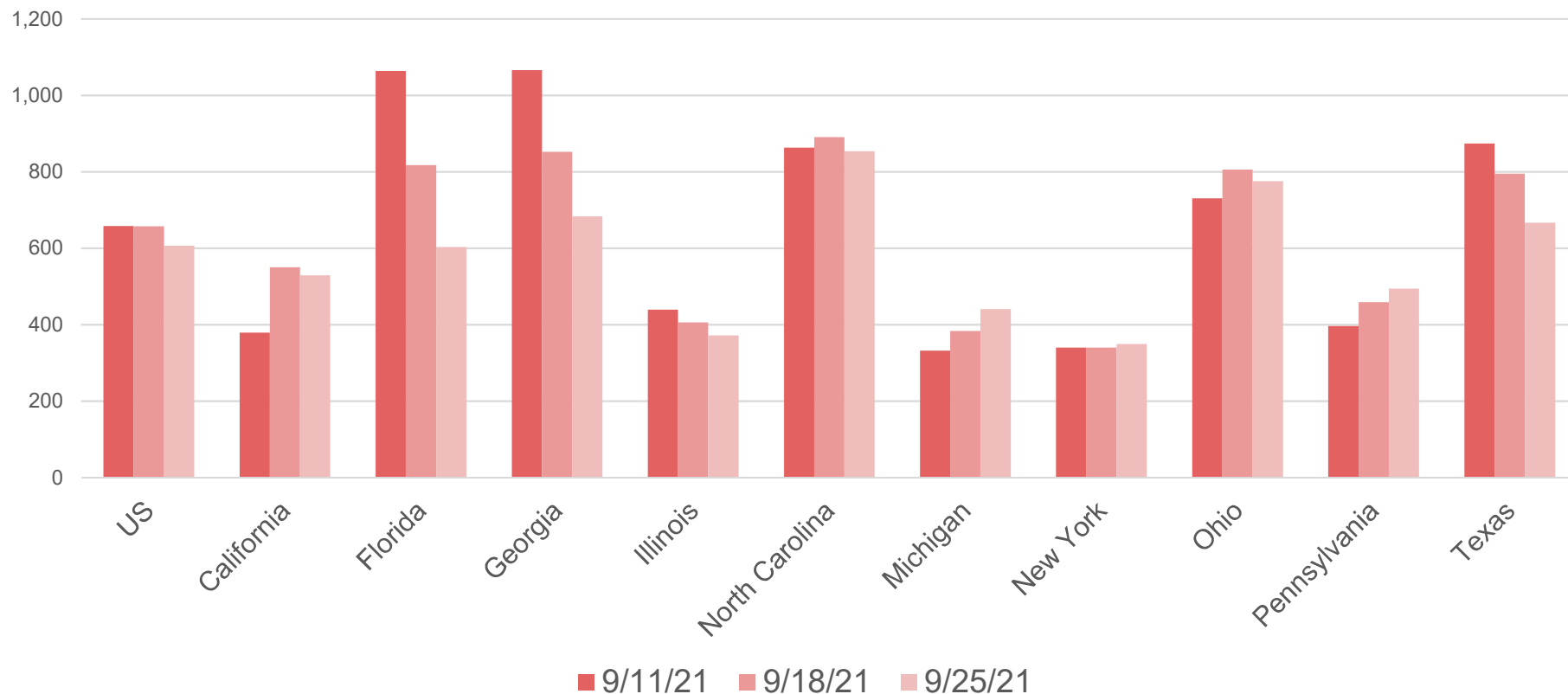
# Infection Level in US

(14 days Reported New Cases per 100,000 People)



No states report being below 200 per 100,000. Thirty-one states are still above 500. This week, thirty-one states had a decrease in Infection level up from twenty-one states last week.

# Current Reported Infection Level Top 10 Most Populous States

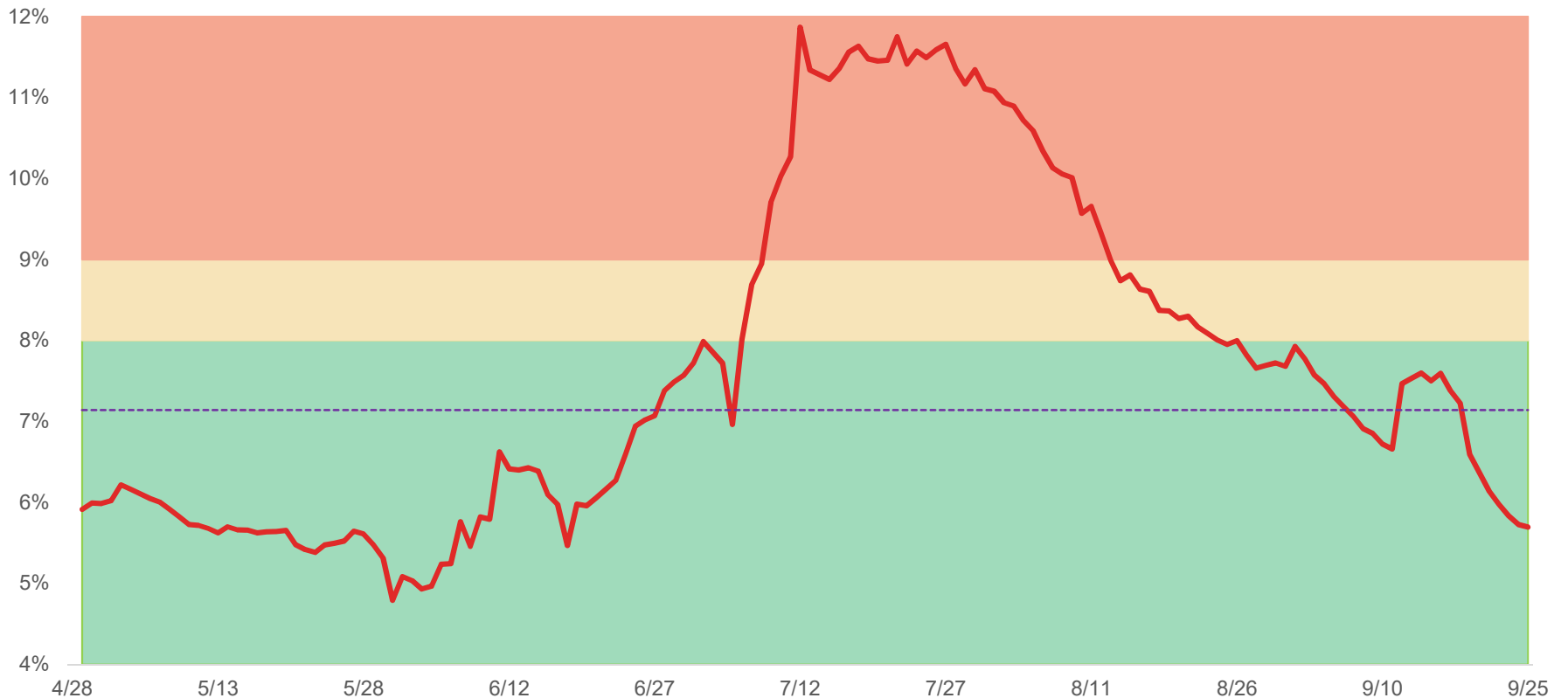


Infection levels fell in seven of ten states. New York again held steady. Michigan and Pennsylvania increased. Only North Carolina remains above 800. Florida, Georgia, Ohio and Texas are all above 600.

# Daily New Infection Rate in US [NIR]

(percentage of last two week's cases, rolling 7-day average)

7

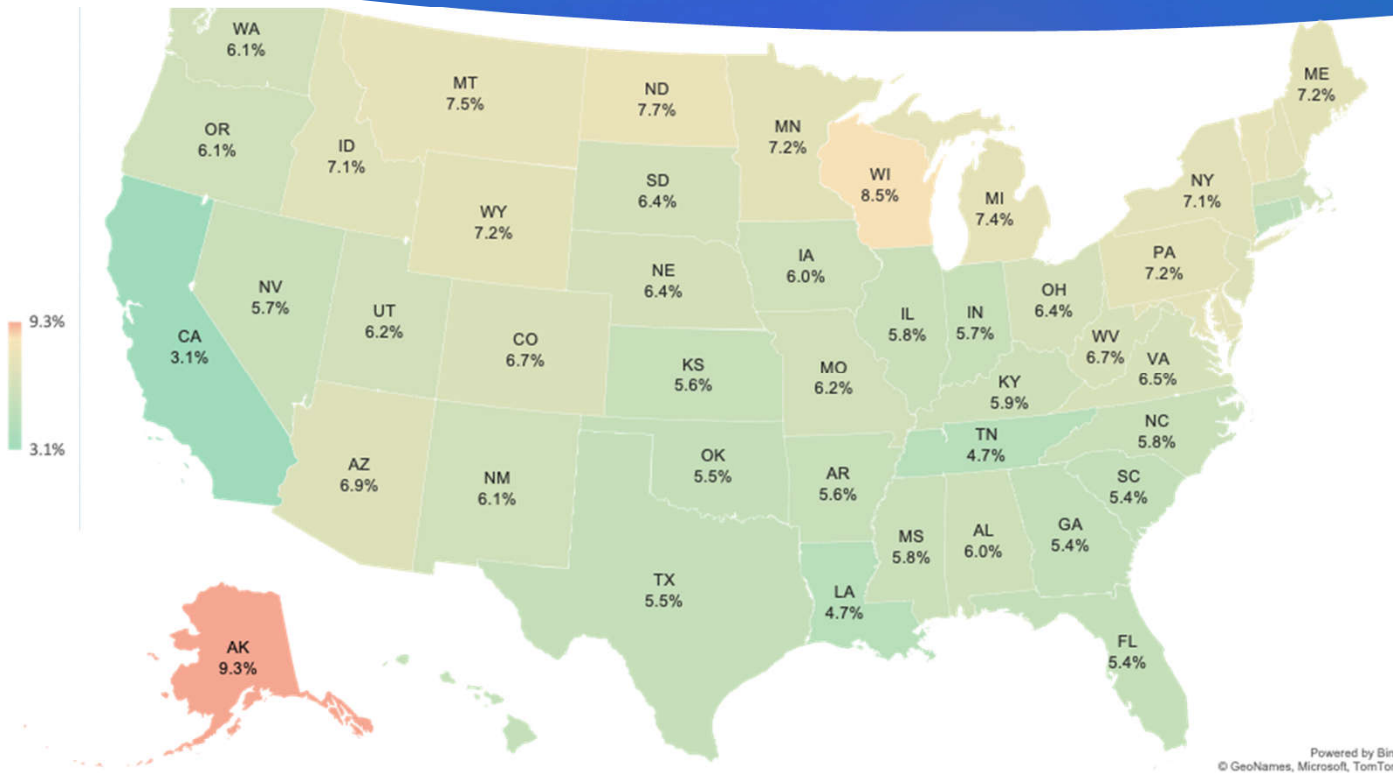


**No Growth Level:** If new infections in the US remain below 7.14%, the number of cases of COVID will shrink over time in the US.

The average U.S. New Infection Rate (NIR) is now well below the 7.14% No Growth level which means further decreases are likely in the coming week.

# Daily New Infection Rate in US [NIR]

(percentage of last two week's cases, rolling 7-day average)



Thirty-seven states are now below the No Growth level (7.14%). Twenty-five states had a significant (>1%) weekly decrease in NIR, while only Alaska had a decrease of 1% or more in NIR last week.

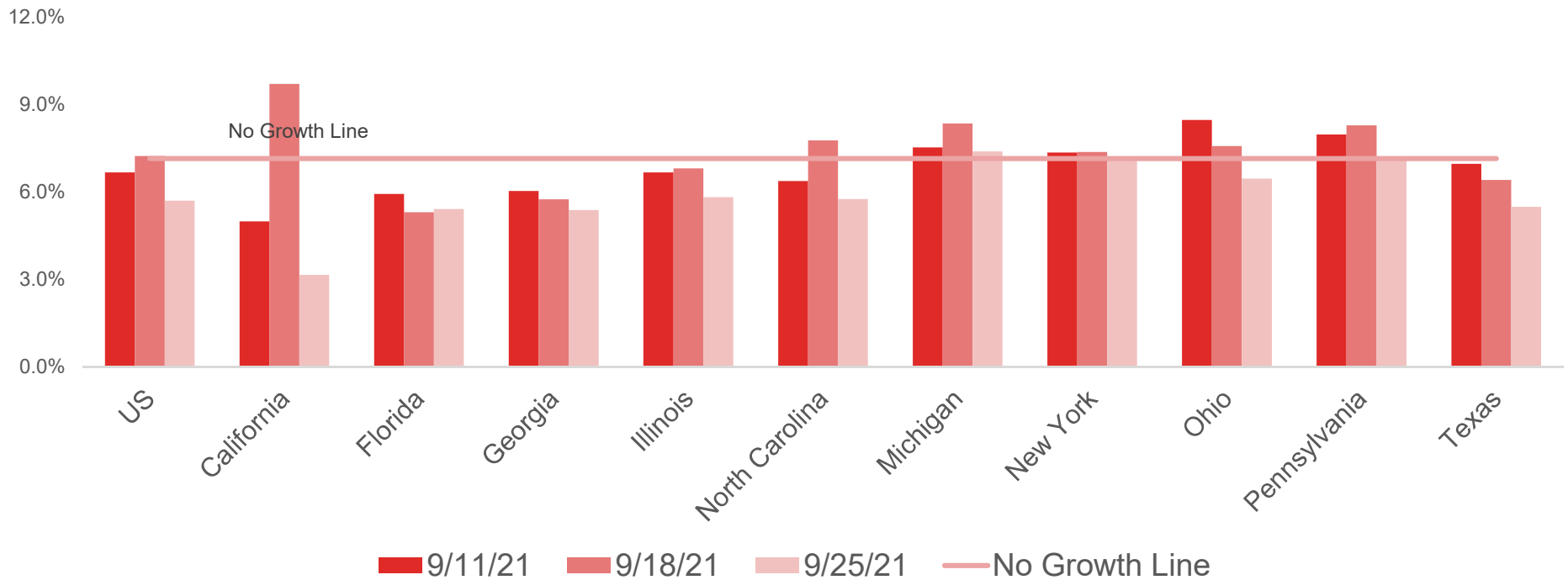
The other 25 states stayed within +/- 1% of the prior week.

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# Daily New Infection Rate in US [NIR]

(percentage of last two week's cases, rolling 7-day average)

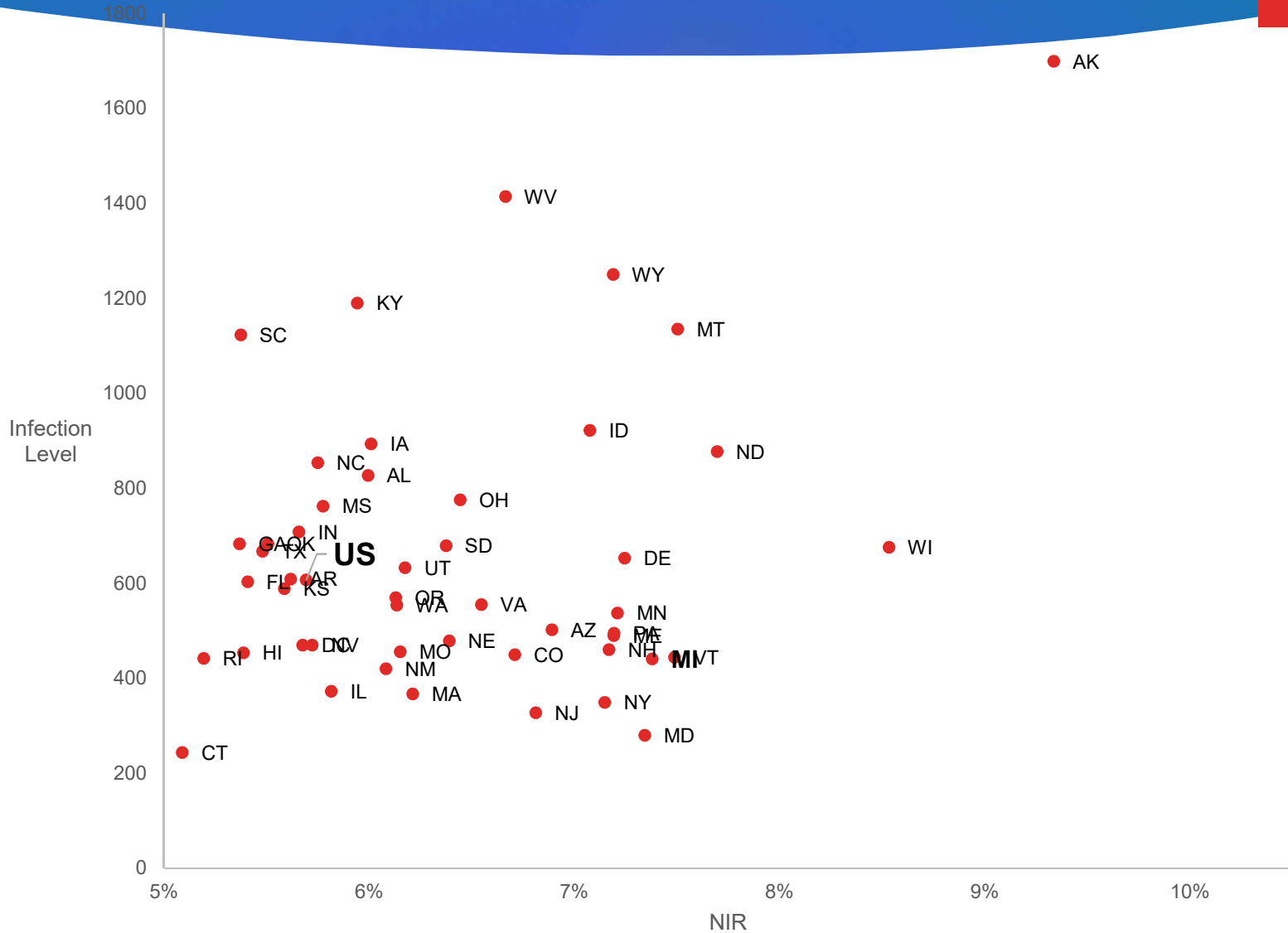


**No Growth Level:** If new infections in the US remain below 7.14%, the number of cases of COVID will shrink over time in the US.

The New Infection Rate (NIR) is at or below the No Growth Level nationally and for all of the ten largest states. Seven of these states had decreases in NIR. California had a large decrease in NIR. This suggests that the largest states will likely show decreases in Infection Level in the coming weeks.

Infection Level per 100,000 people and Rolling 7-Day average of today's cases as a percentage of total active cases [NIR], Sep 18

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- ▶ This report relies upon data from public sources for the analysis. No attempt has been made to verify independently the accuracy of this data. CMMP does not represent or otherwise guarantee the accuracy or completeness of such data nor assume responsibility for the result of any error or omission in the data or other materials gathered from any source in the preparation of this analysis.
- ▶ There are many uncertainties inherent in this analysis. Future outcomes may vary considerably from past reports, especially as this is an emerging situation and there have been frequent corrections made to the data as more becomes known to the data providers.
- ▶ CMMP does not recommend making decisions based solely on the information contained in this analysis. Rather, this analysis should be viewed as a supplement to other information, including specific mitigation practices, claims experience, and financial situation. Independent professional advisors should be consulted with respect to the issues and conclusions presented herein and their possible application.
- ▶ This analysis is not intended to be a complete actuarial communication, and as such is not intended to be relied upon. A complete communication can be provided upon request.