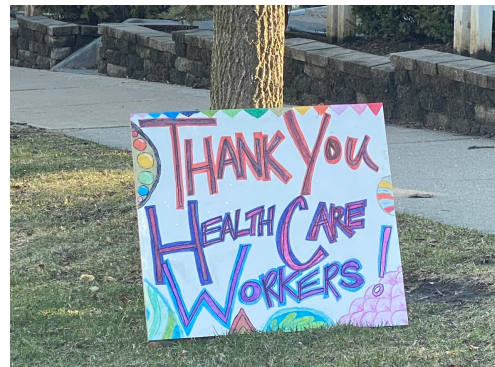
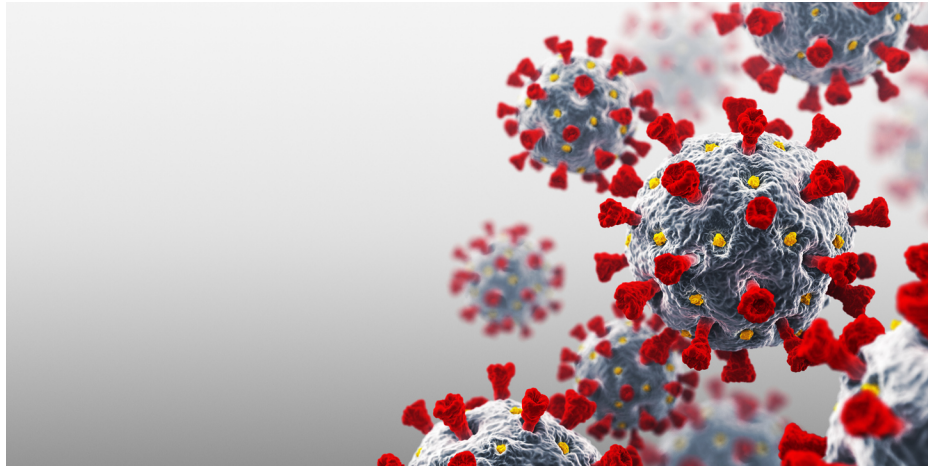
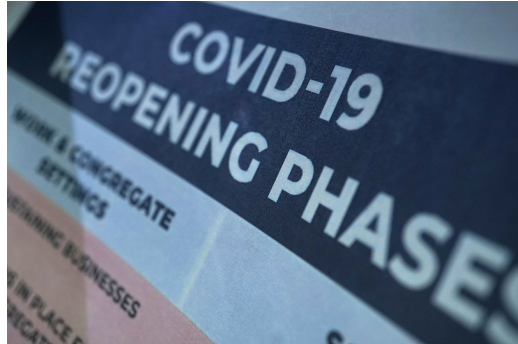




COVID-19 Report

Issue # 143

Saturday, August 22, 2020

- **Weekly tests declined each of the past four weeks;** They had increased every week from the virus-onset through July 25-31. Test volume last week exceeded that for every week up to July 11-17
- **The test-positive rate has declined for five consecutive weeks;** The rate this past week was lower than any week since June 13-19
- **New cases have declined each of the past four weeks;** There were fewer cases last week than any week since June 20-26
- **There were fewer deaths last week than any prior three weeks,** however, they were higher than any week from June through July 24
- **Recoveries were lower last week than any of the prior three weeks**
- Mississippi experienced the highest test-positive rate for the past week of any state and the highest increase in rate versus the prior week
- The four states with the next highest test-positive rates a week ago experienced declining rates this week (Florida, Idaho and Texas) or a stable rate (Nevada)
- Test-positive rates in five states increased to >10% last week - Hawaii, Iowa, North Dakota, South Carolina and South Dakota
- **Infections per capita declined in 37 states last week;** the twelve states that had the highest rates a week ago each experienced a decline in rate this week; **Iowa and North Dakota, among states with high rates last week, experienced an increase this week; Iowa's rate set a new high for that state**

Weekly Summary – Tests

Test volume in August remains below July levels yet, ahead of earlier months
Test-positive rate continues to improve; now back to late-June level

Weekly Tests - United States

For the 7 days ending on date shown

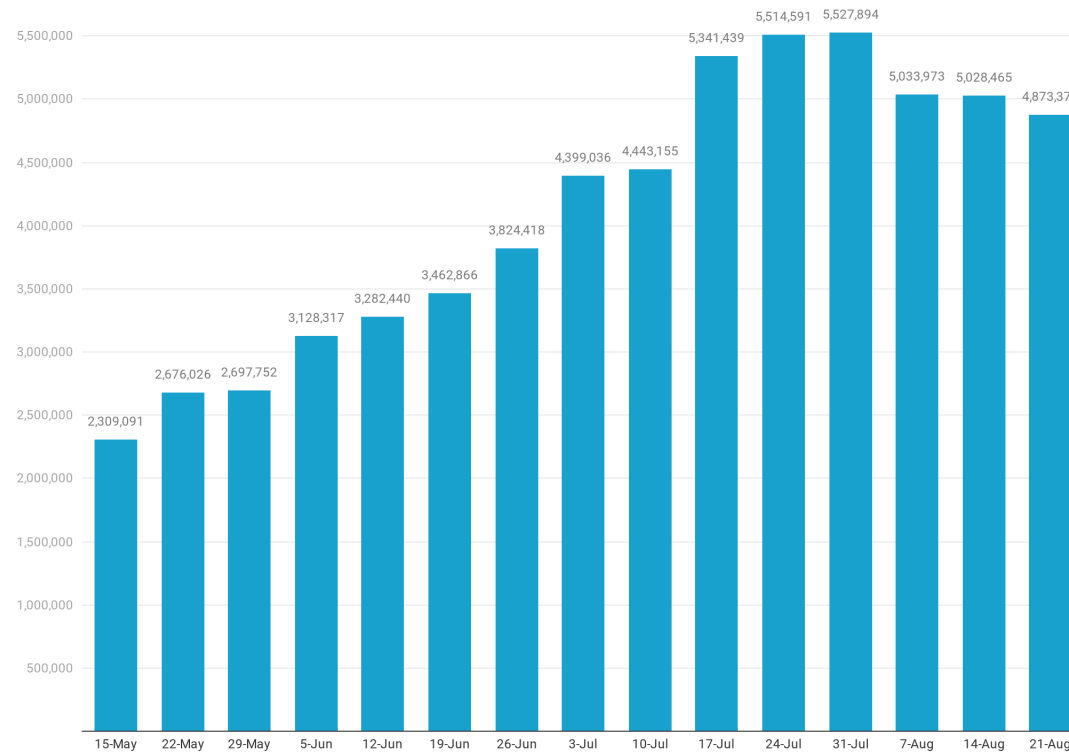


Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking Project • Created with Datawrapper

Weekly Test-Positive% - United States

For the 7 days ending on date shown

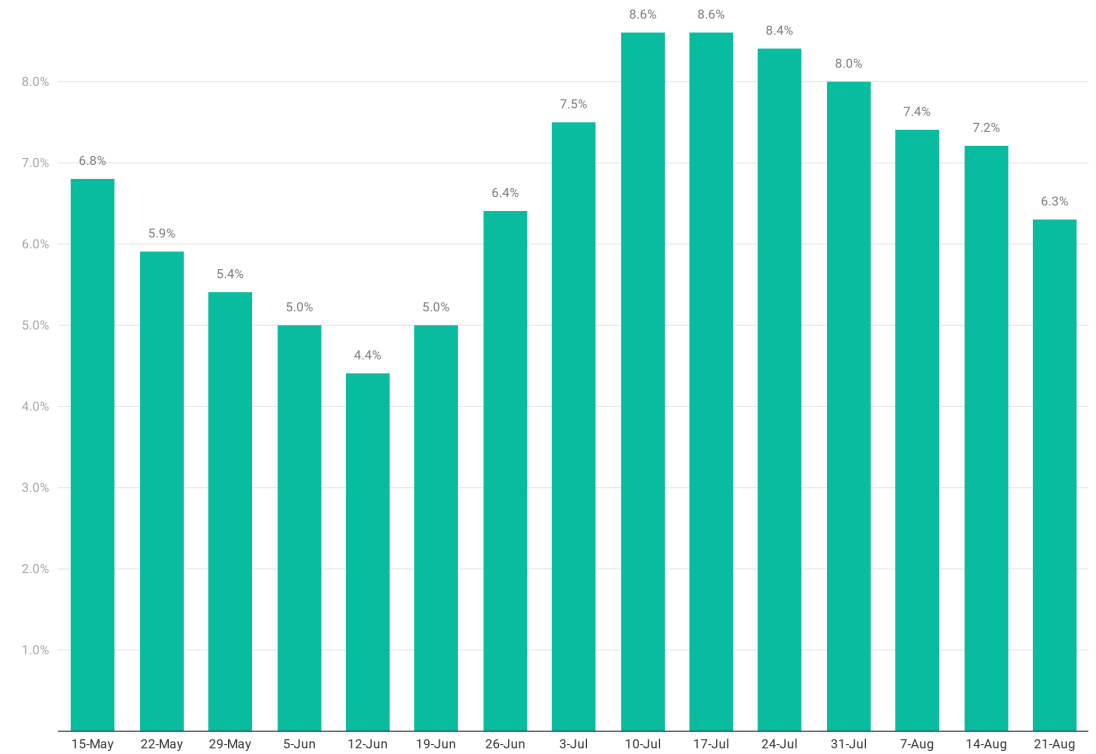


Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking project • Created with Datawrapper

Weekly Summary – New Cases (Infections)

New cases have been falling four consecutive weeks
Current rate is lower than anytime since late-June

Weekly New Cases - United States

For the 7 days ending on date shown

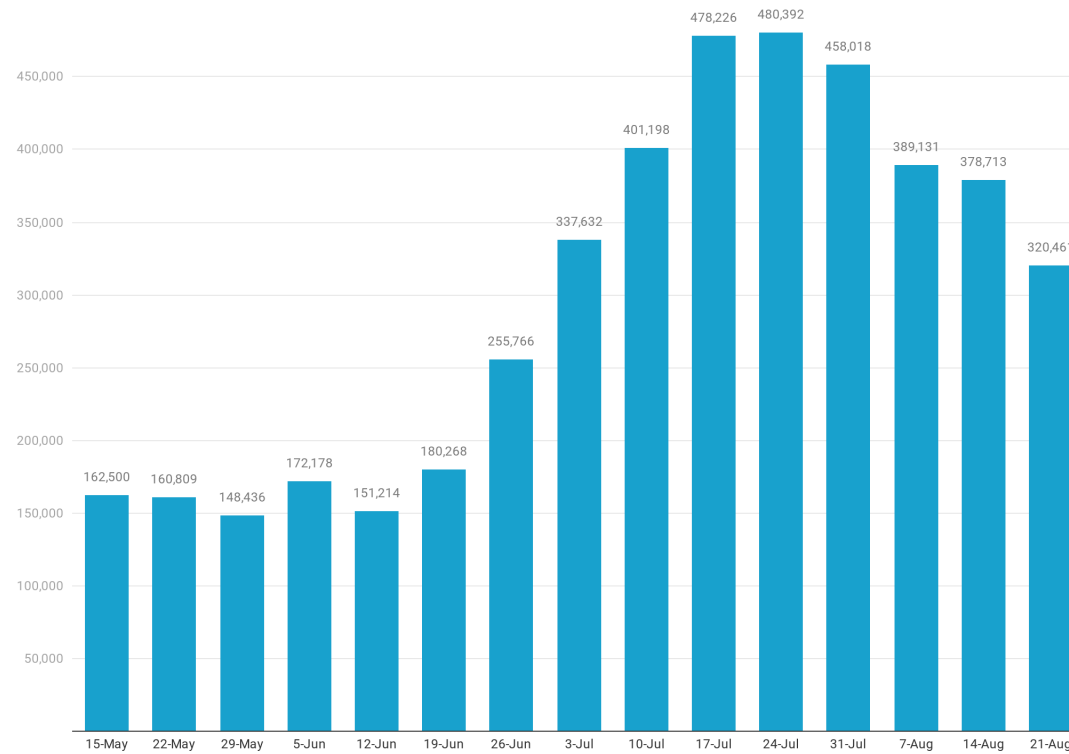


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

New Infections / Million - United States

For the 7 days ending on date shown

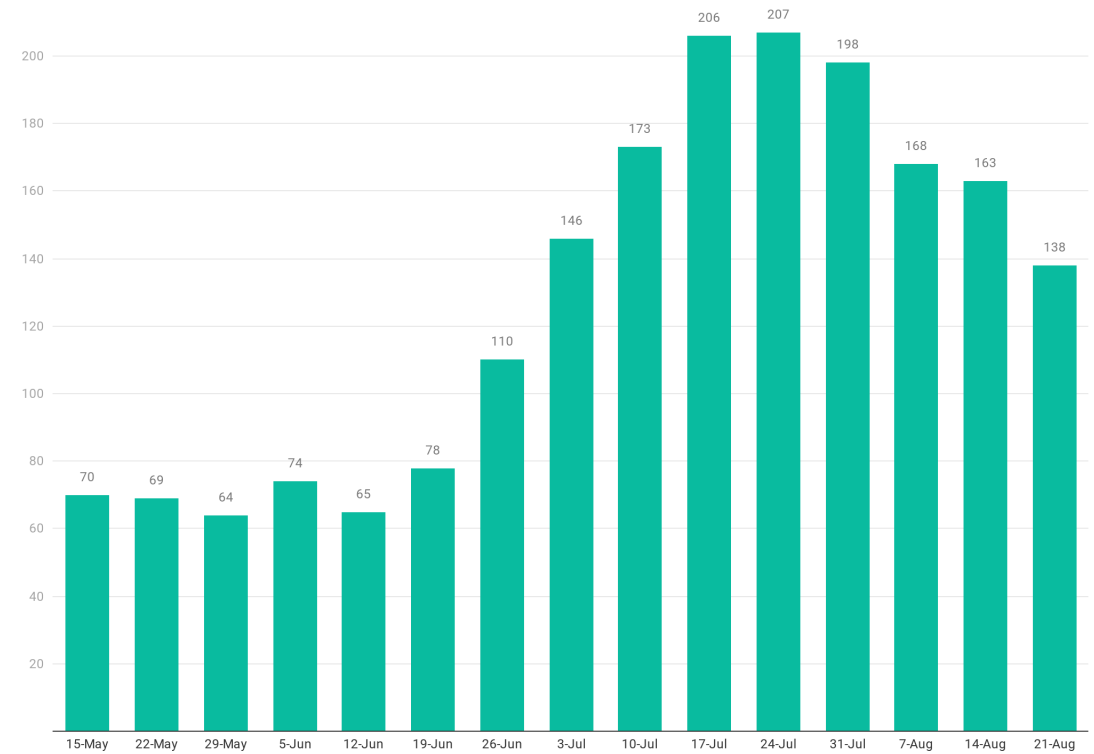


Chart: Health Industry Advisor LLC • Source: Worldometers.info • Created with Datawrapper

Weekly Summary – Deaths and recoveries
Fewer deaths this week than anytime since July 18-24
Recoveries slowing – by-product of fewer new cases in past month?

Weekly Deaths - United States

For the 7 days ending on date shown

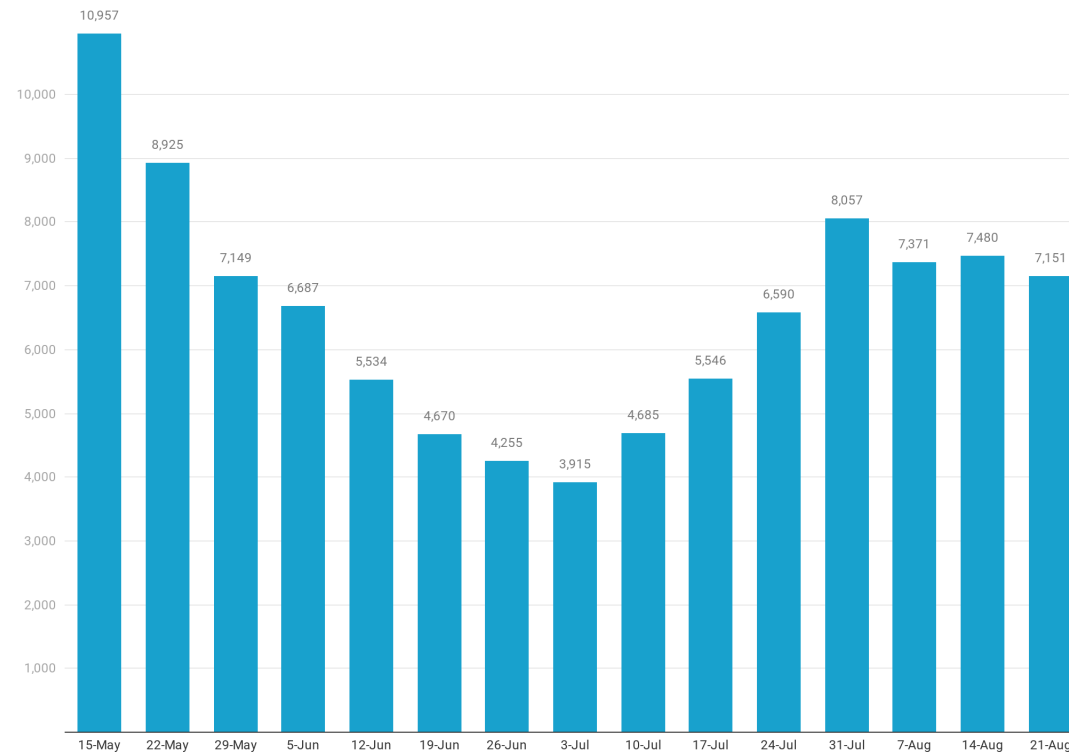


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Weekly Recoveries - United States

For the 7 days ending on date shown

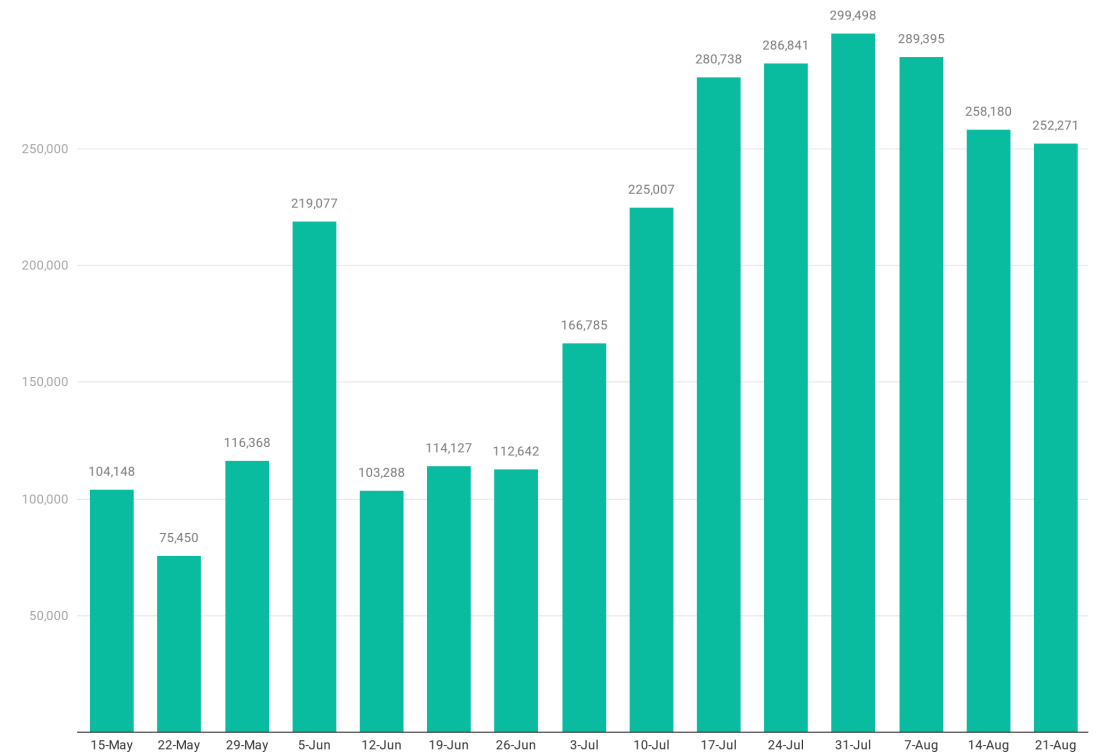


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Weekly Summary – Test-Positive Rates By State

Mississippi has highest rate – and it increased from last week
 Four states with the next highest rates saw declining or steady rate
 Five states saw their rate increase to >10%

Test-Positive %

Trailing 7-Day Moving Average

14-Aug 21-Aug

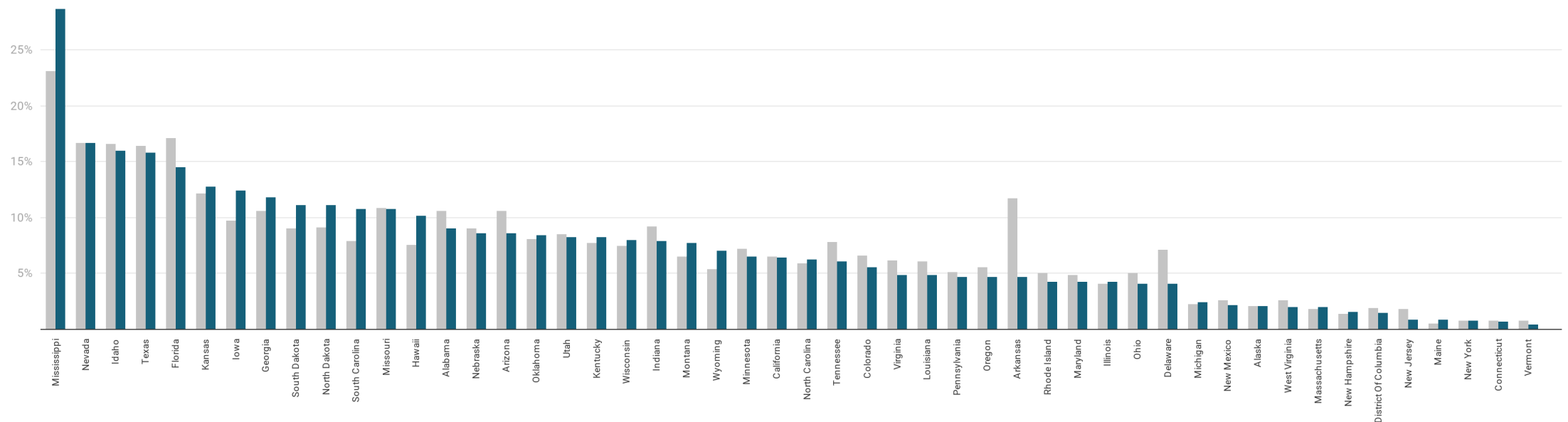
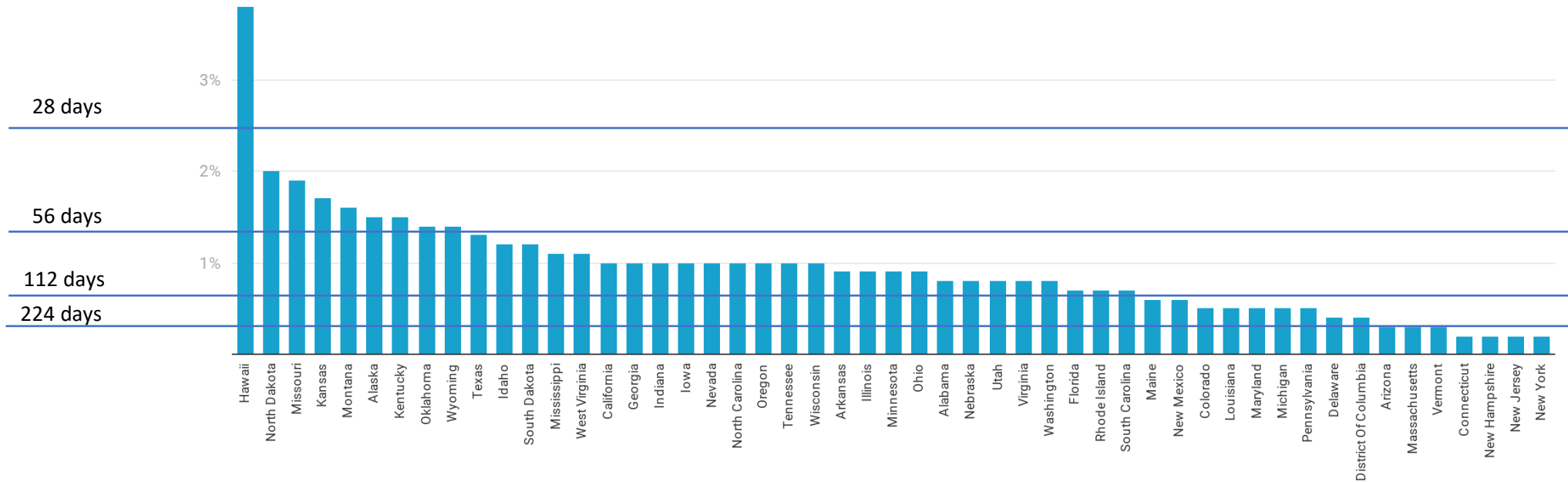


Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracing Project • Created with Datawrapper

Note: Due to a computer glitch, Washington has only reported positive results since August 1.

Growth Rate in Total Cases

Trailing 5-Day Moving Average, Through August 21



Health Industry Advisor LLC analysis

Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

New Daily Infections / Million

Trailing 7-Day Moving Average

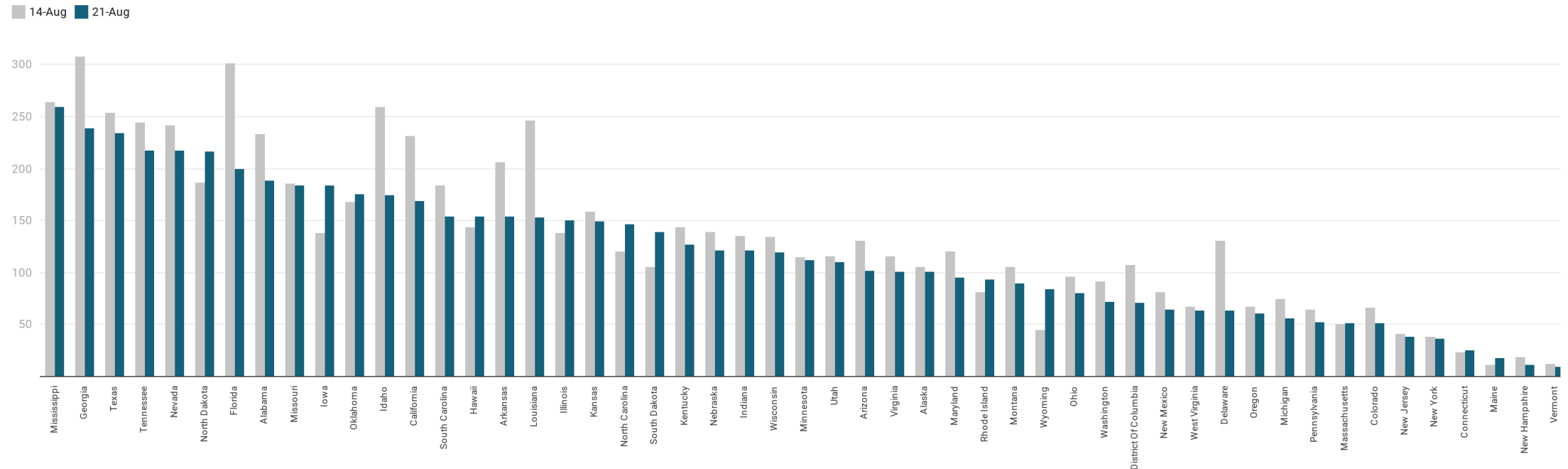


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

The following data sources are accessed on a daily or weekly basis:

- The Atlantic's Covid Tracking Project: <https://covidtracking.com>
- Worldometers.info: <https://www.worldometers.info/coronavirus/>
- Centers for Disease Control, National, Regional, and State Level Outpatient Illness and Viral Surveillance <https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>
- Centers for Disease Control, COVID-19 Laboratory-Confirmed Hospitalizations https://gis.cdc.gov/grasp/COVIDNet/COVID19_5.html
- Centers for Disease Control, COVID Data Tracker <https://www.cdc.gov/covid-data-tracker/index.html#mobility>
- Institute for Health Metrics and Evaluation, COVID-19 estimate downloads <http://www.healthdata.org/covid/data-downloads>
- New York Times, Covid-19 data <https://github.com/nytimes/covid-19-data>
- COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University <https://github.com/CSSEGISandData/COVID-19>
- COVID-19 Projections Using Machine Learning, <https://covid19-projections.com>