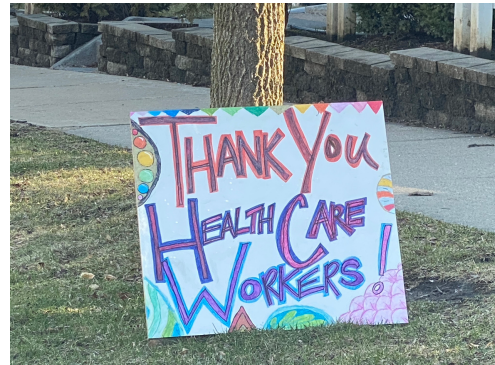
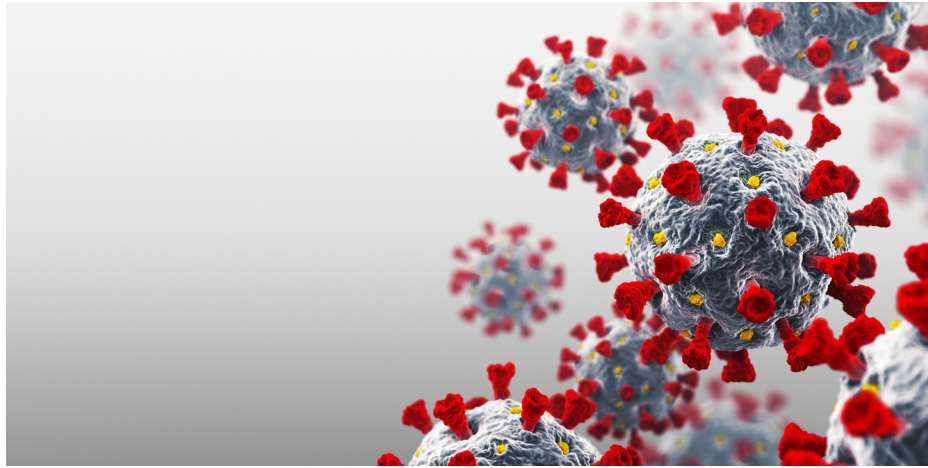
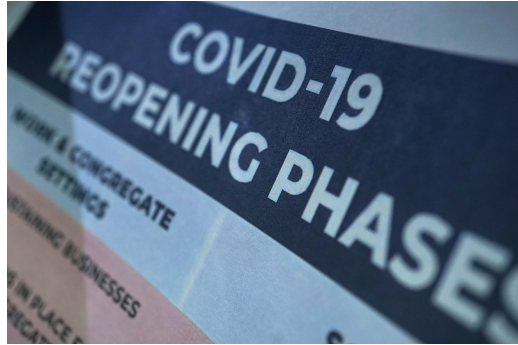




COVID-19 Report

Issue # 124

Monday, August 3, 2020

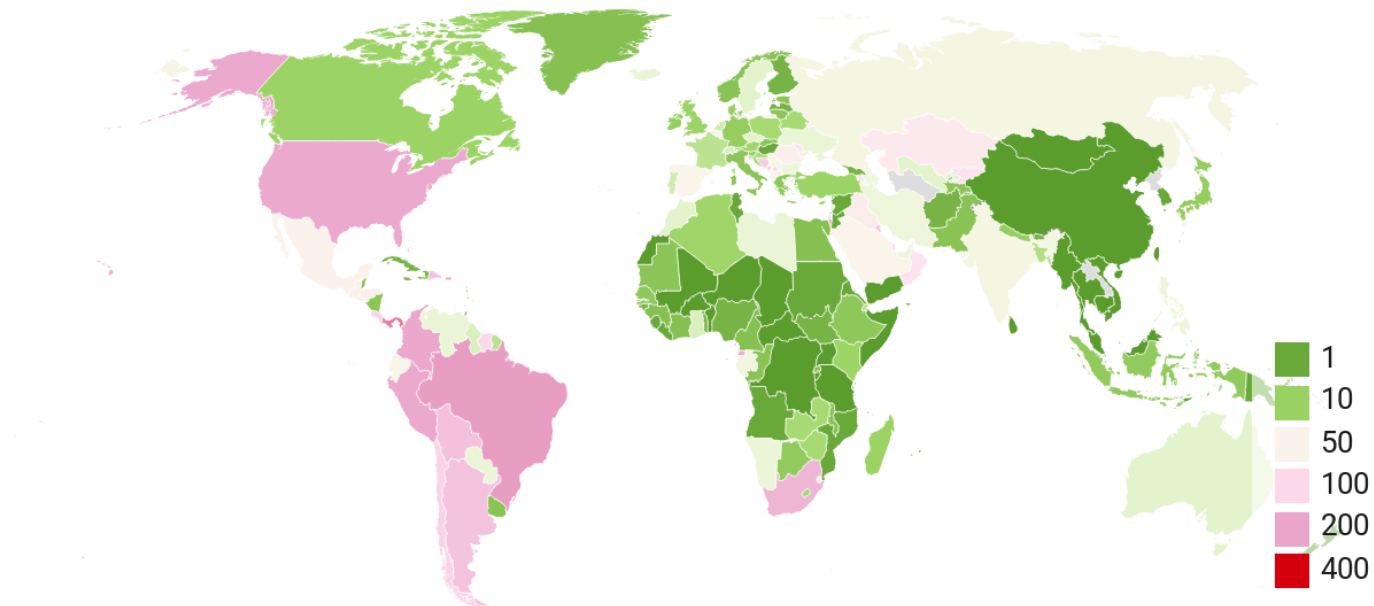
- New cases fell sharply on Sunday (49,329 v. 58,429 on Saturday and 70,904 on Friday). These are the fewest reported on any day since July 5. On a week-over-week basis, new cases are down 7.4%
- Deaths also fell sharply (467 v. 1,151 on Saturday and 1,462 on Friday) and were the fewest reported on any day during the past week
- Keeping with this theme, hospital census of COVID-19 patients fell for the 4th consecutive day; These have fallen 10% since peaking on July 23. The rate at which COVID-19 cases are being treated in the hospital has declined each of the past weeks
- Likewise, the % of ER visits related to COVID-19-like illnesses has declined for 10 of the past 11 days (it held constant on one day)
- Test volume increased days-over-day but remains down week-over-week; The test-positive rate yesterday was the lowest for any day since July 7
- The new daily infection rate (per million, on a trailing 7-day basis) declined for the 8th consecutive day; this rate is down 6.7% on a week-over-week basis and 8.8% versus two weeks ago
- For the first time in awhile, no state set a new high in this infection rate yesterday
- Still, this virus remains a significant challenge for the U.S., as we had the 8th highest rate in the world for the past week. We are one of only twenty-two countries experiencing more than 100 new cases per day per million population (we are at 191)
- Fourteen states had rates > 200 this past week. Of these, however, eleven reported a decline in rates on a week-over-week basis. Only, Georgia, Nevada and Oklahoma were the exceptions
- While our rate declined by 8.8% over the past two weeks, thirty countries experienced an increase >33% during this time, including China, Belgium, the Netherlands, Spain and Japan (noting that for several of these countries, growth is from a relatively low rate)

Worldwide

United States, South Africa and South American countries continue to report the highest rates of new daily infections*

New Daily Infections / 1 Million Population

Trailing 7-Day Moving Average, As of August 2



Health Industry Advisor LLC analysis

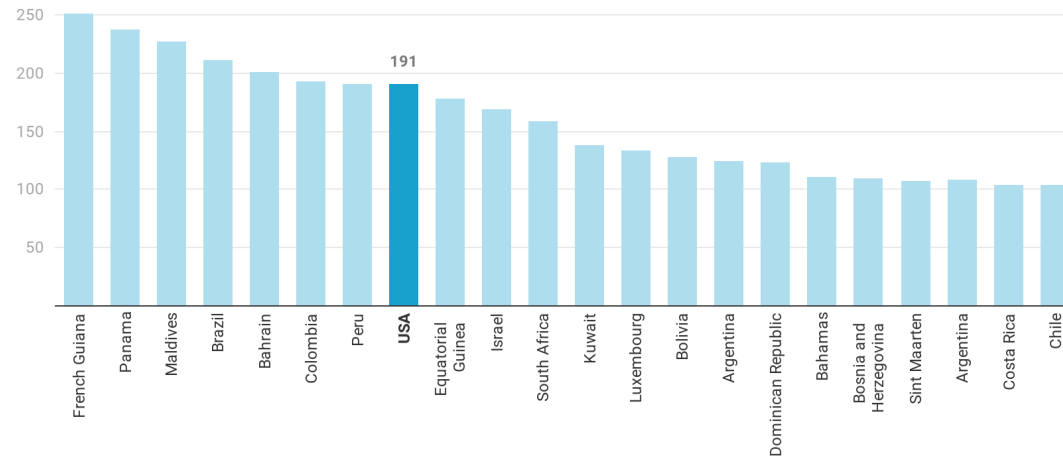
Map: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

* - per million per day, trailing 7-day moving average

United States ranked 8th in the world, and twenty-two countries had new rates infection rates* > 100 for the past week; the U.S. was one of eleven of these countries for which this rate declined versus the prior week

New Daily Infections / Million Population

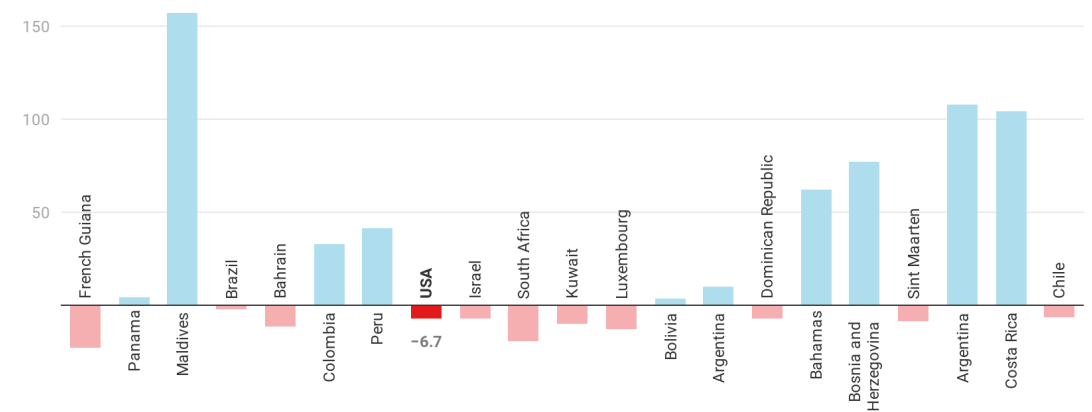
Trailing 7-Day Moving Average, As of August 2



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

Week-Over-Week Change in New Daily Infections / Million Population

Trailing 7-Day Moving Average, August 2 v. July 26



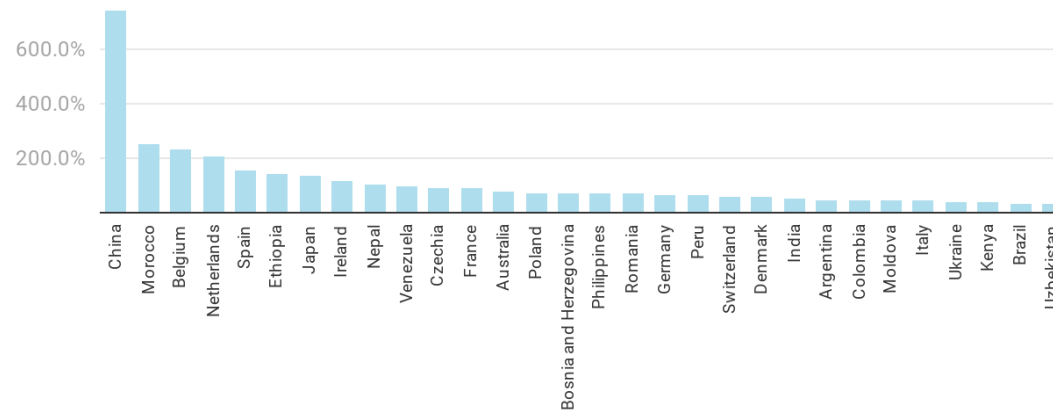
Health Industry Advisor LLC analysis
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

* - per million per day, trailing 7-day moving average

Thirty countries had >33% increase in new daily infection rates* last week v. two weeks earlier; United States' rate fell by 8.8% during this time

Two Week Change in New Daily Infections / Million Population

Trailing 7-Day Moving Average, August 2 v. July 19

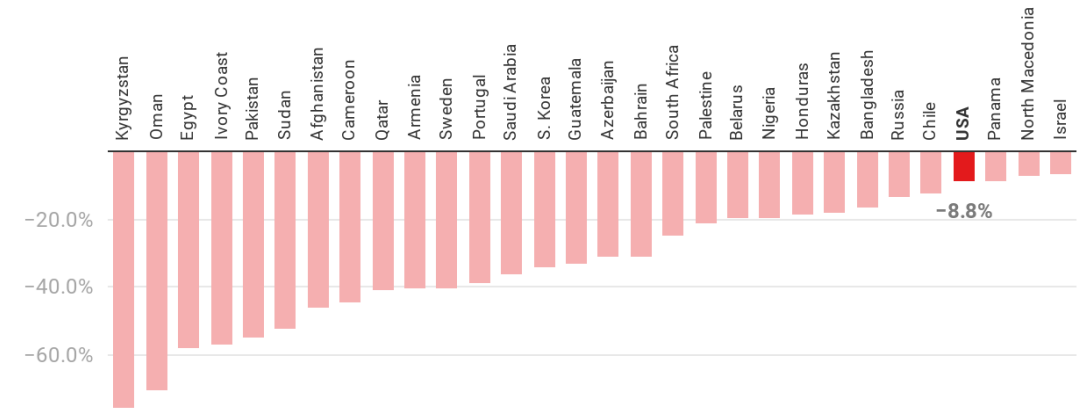


Health Industry Advisor LLC analysis

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

Two Week Change in New Daily Infections / Million Population

Trailing 7-Day Moving Average, August 2 v. July 19



Health Industry Advisor LLC analysis

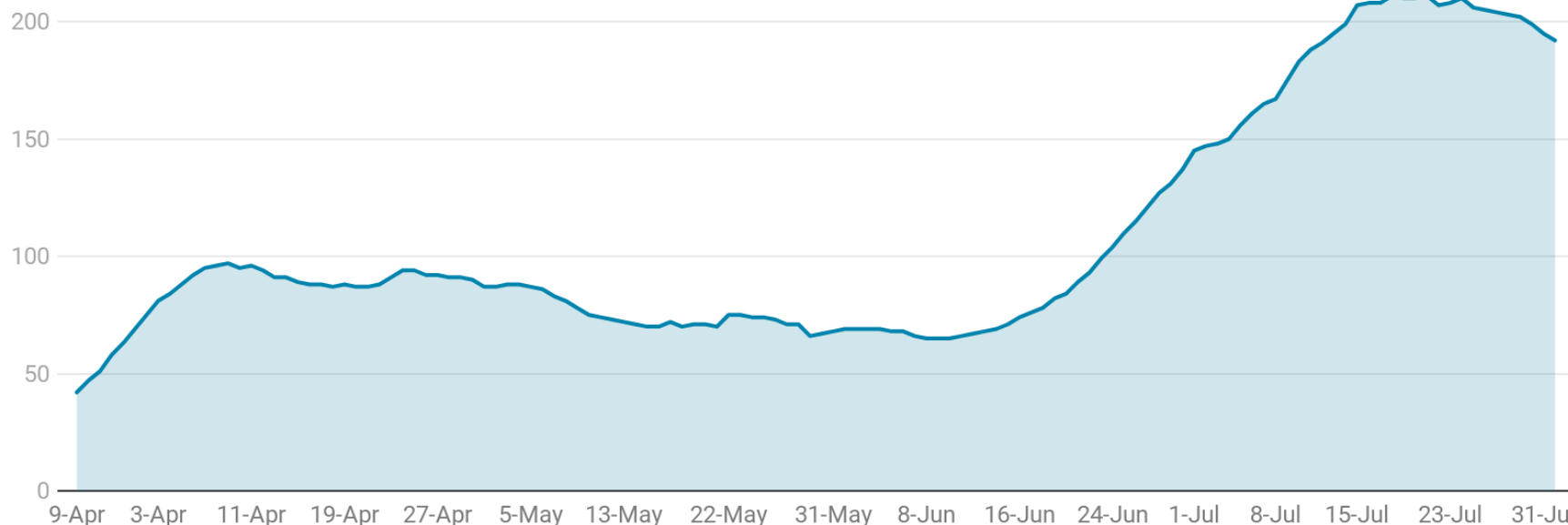
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Includes countries with 10,000 or more cases

* - per million per day, trailing 7-day moving average

New Infections Per 1 Million Population - United States

Trailing 7-Day Moving Average, As of August 2



Health Industry Advisor LLC analysis

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

* - per million per day, trailing 7-day moving average

Fourteen states had new daily infection rates* >200 for the past week;
Only three of these - Georgia, Nevada and Oklahoma - had increasing rates v. the prior week

New Daily Infections / Million Population

Trailing 7-Day Moving Average

7/26/20 8/2/20

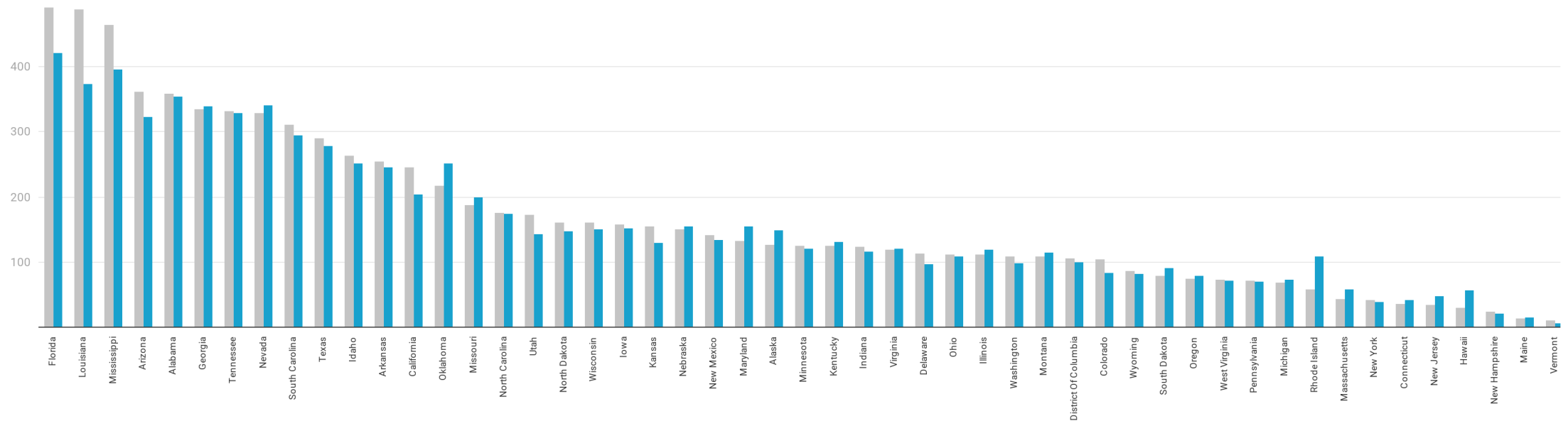
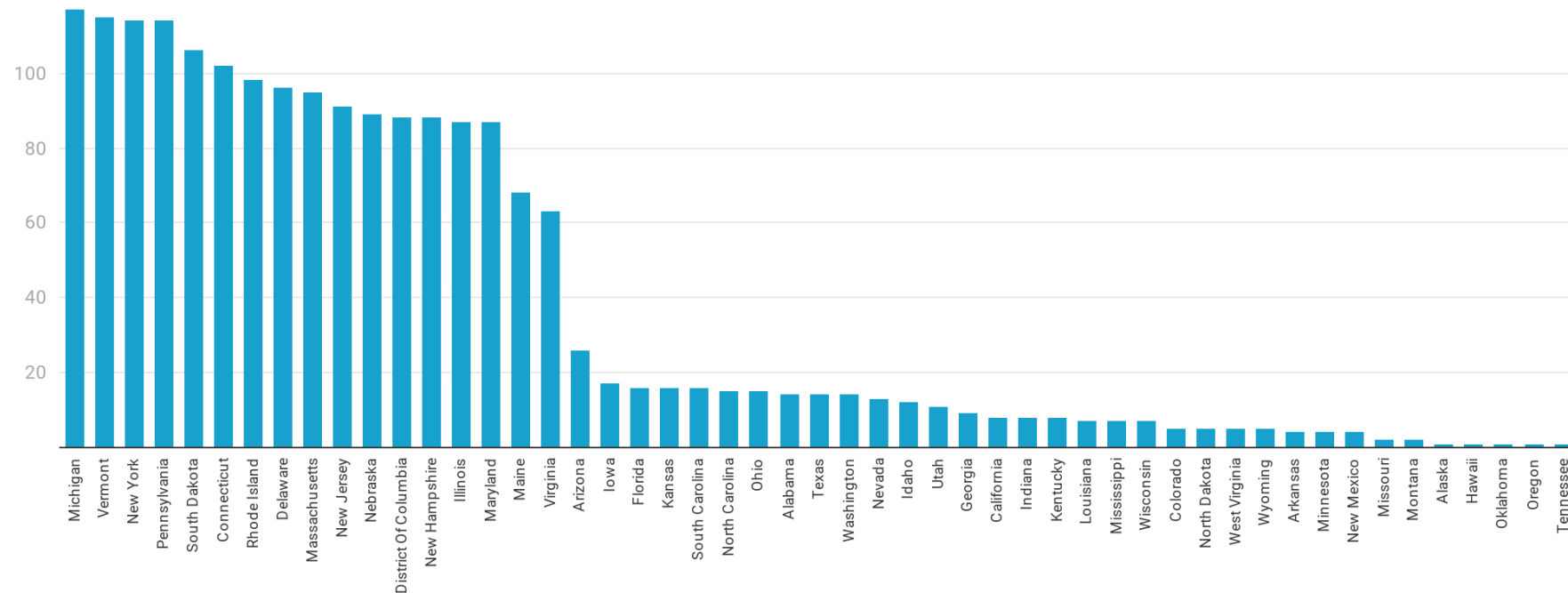


Chart: Health Industry Advisor LLC • Created with Datawrapper

* - per million per day, trailing 7-day moving average

Days Since Peak New Infection Rate

Trailing 7-Day Moving Average, As of August 2



Health Industry Advisor LLC analysis

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

* - per million per day, trailing 7-day moving average

Fewest new cases yesterday since July 5, continuing a trend that began on July 16; New cases now down 7.4% on week-over-week basis

New Cases

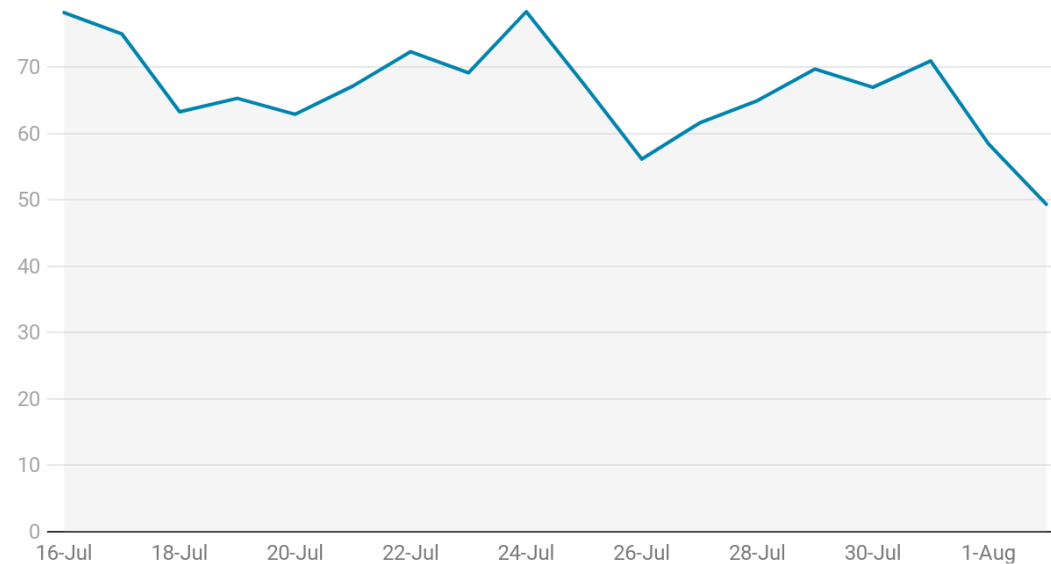
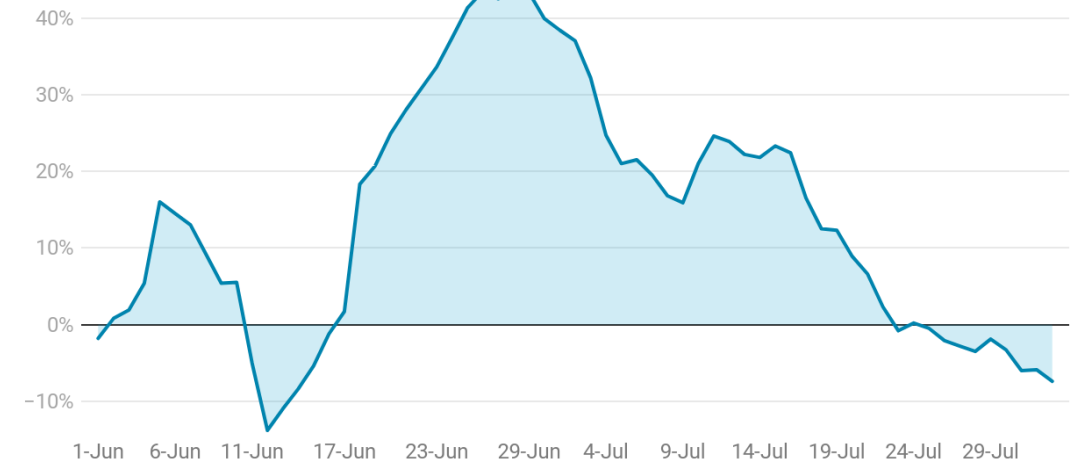


Chart: Health Industry Advisor LLC • Source: eorlometers.info • Created with Datawrapper

Week-Over-Week Change In New Cases

United States, As of August 2



Health Industry Advisor LLC analysis

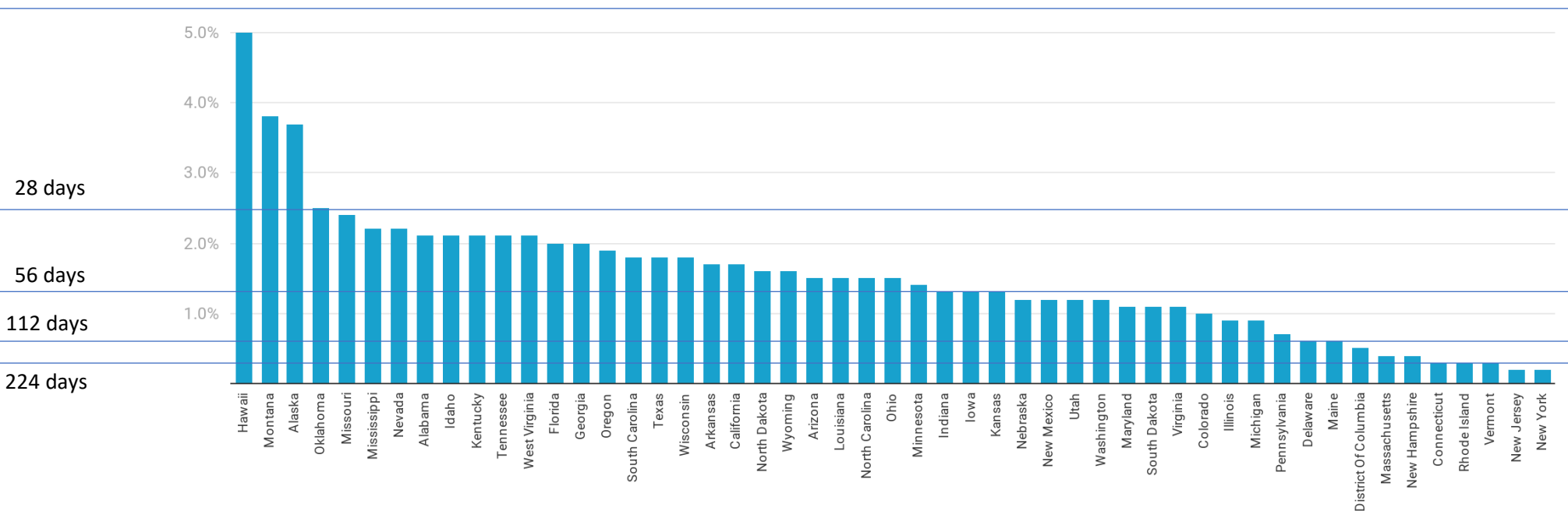
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

At current rates, cases are doubling every 14-15 days in Hawaii; every 396 days in New York; 51 for the United States overall

Growth Rate in Total Cases

Trailing 5-Day Moving Average, As of August 2

14 days to double

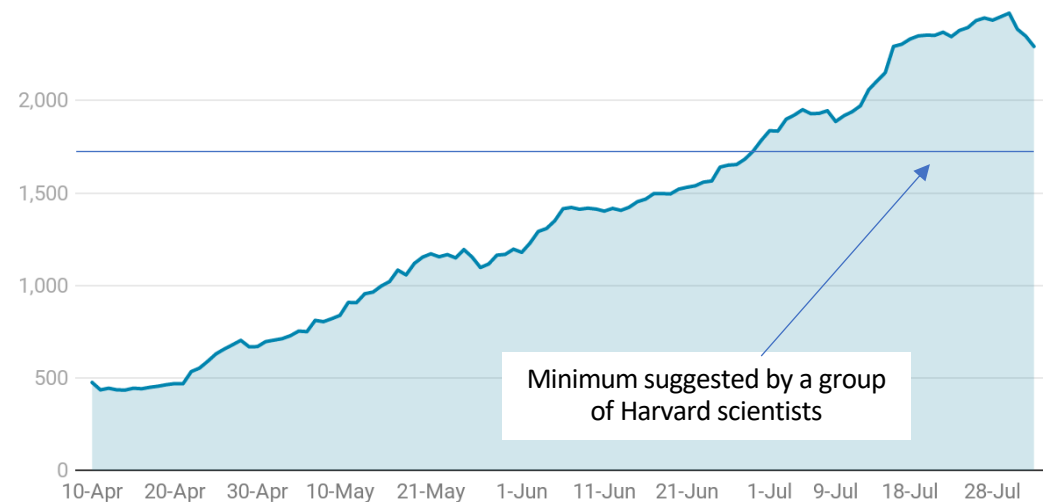


Health Industry Advisor LLC analysis

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

Daily Tests Per 1 Million - United States

Trailing 7-Day Moving Average, As of August 2

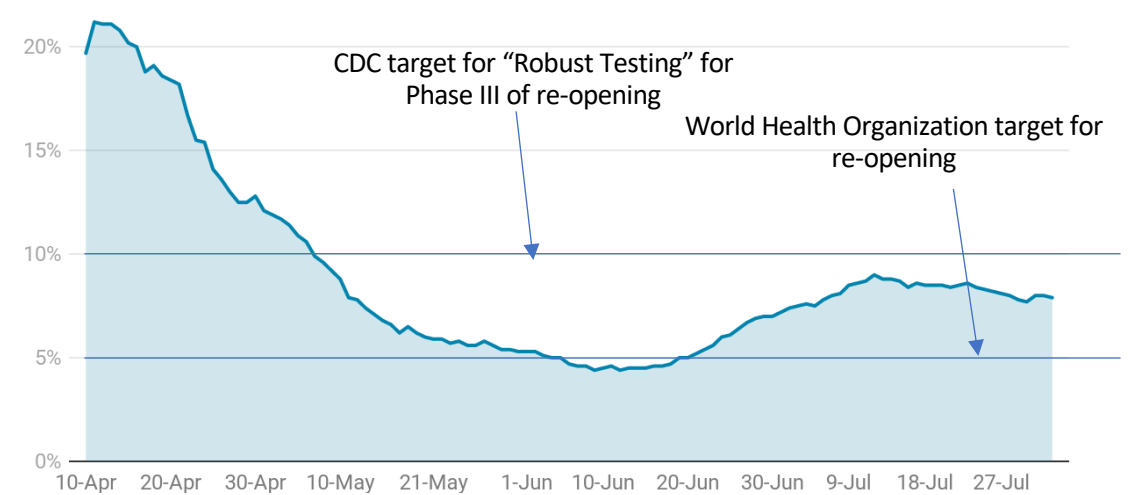


Health Industry Advisor LLC analysis

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

Test-Positive Rate - United States

Trailing 7-Day Moving Average, As of August 2



Health Industry Advisor LLC analysis

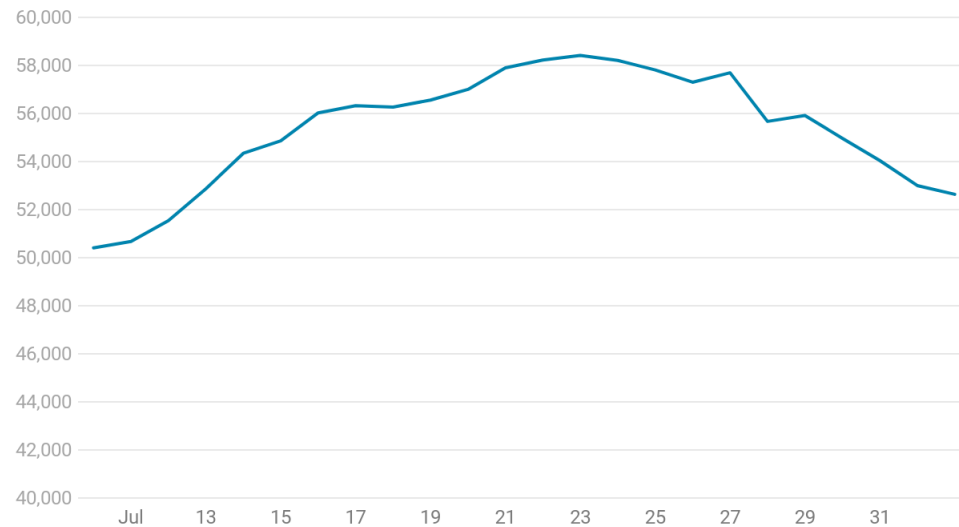
Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking Project • Created with Datawrapper

COVID-19 hospital census has declined 10% since July 23; Active cases are increasingly being managed outside of the hospital

COVID-19 stress on hospital beds is easing somewhat

Hospital Census: COVID-19 Patients

As of August 2



Florida data first available on July 10

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

Data excludes Alabama, Alaska, Hawaii, Idaho, Kansas, Nebraska and Tennessee – data either not reported or not consistently reported

As more cases are being managed outside of the hospital

Where Active Cases Are Being Treated

Trend Over Past 3 Weeks

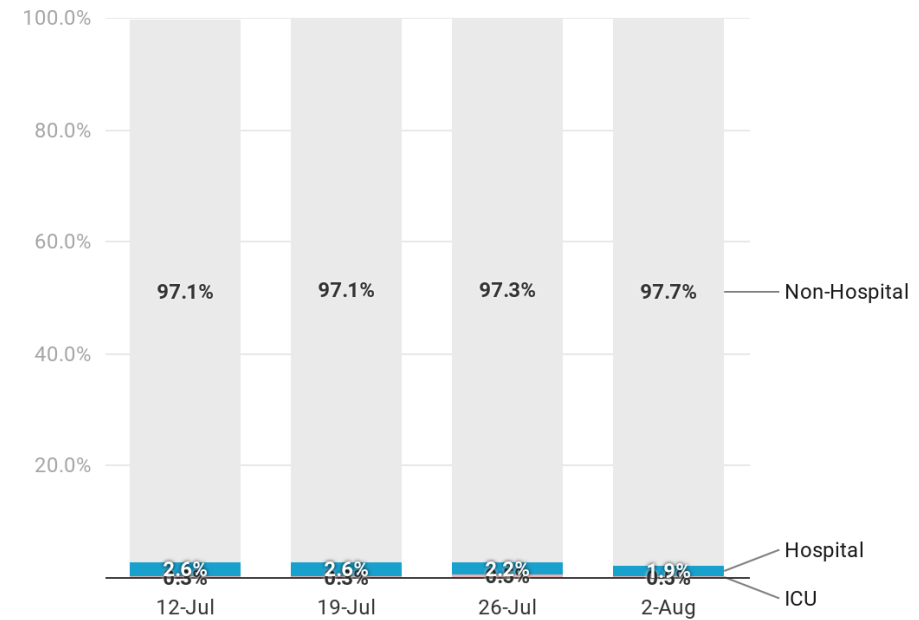
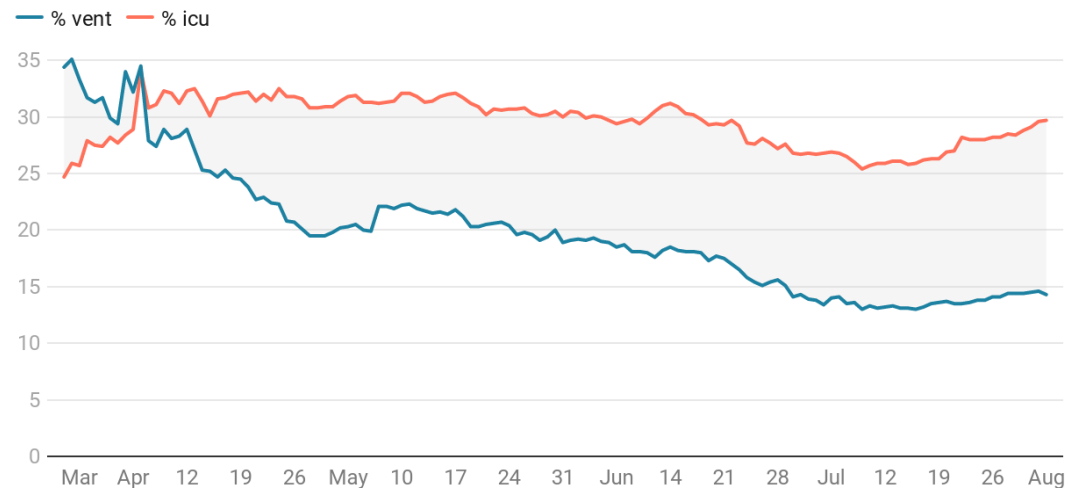


Chart: Health Industry Advisor LLC • Created with Datawrapper

A greater % of patients are in the ICU

Severity of Hospitalized Patients

% of patients on ventilators and in the ICU, As of August 2



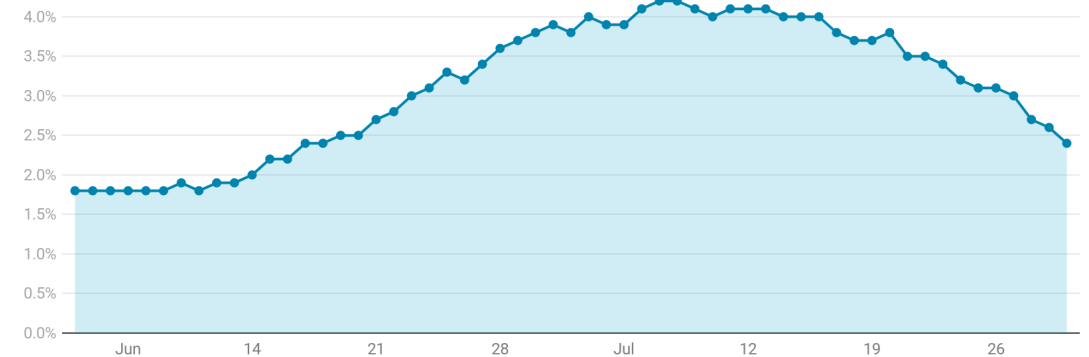
Health Industry Advisor LLC analysis

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

Stress on ERs from COVID-19 cases is diminishing

% of Emergency Department Visits for COVID-Like Illness

As of July 30



Health Industry Advisor LLC analysis

Chart: Health Industry Advisor LLC • Source: Centers for Disease Control • Created with Datawrapper

Fewest deaths reported yesterday of any day in the past week; 2nd consecutive day in which deaths have declined on week-over-week basis. There are now 15 recovered persons for every death reported to-date

Deaths Recorded With Coronavirus in the U.S.

Trailing 7-Day Moving Average, As of August 2

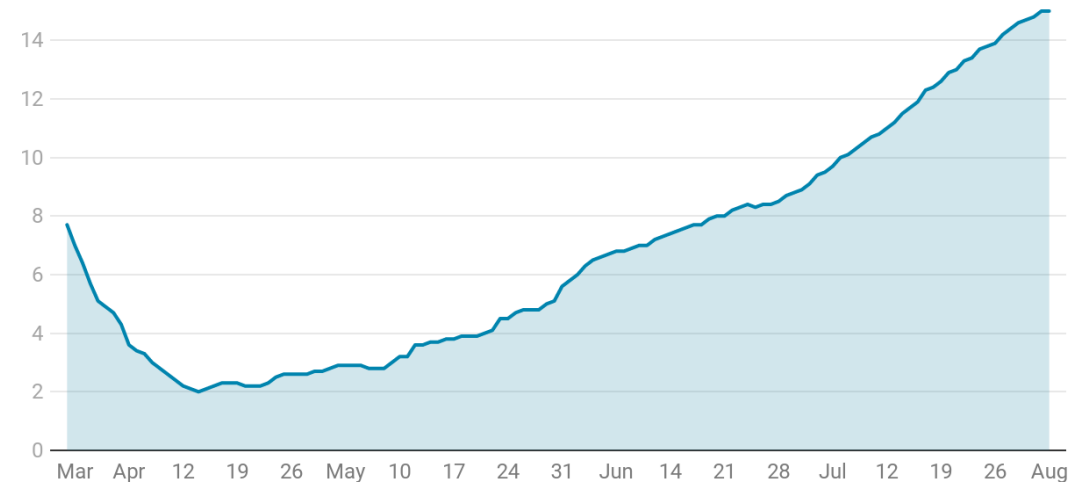


Health Industry Advisor LLC analysis

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

Recoveries: Deaths - United States

As of August 2



Health Industry Advisor LLC analysis

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>