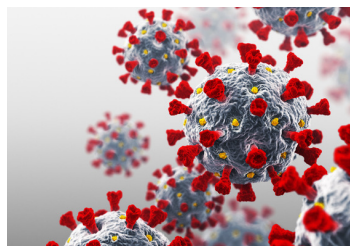


Covid-19 "Vital Signs"

Issue # 342

August 9, 2021



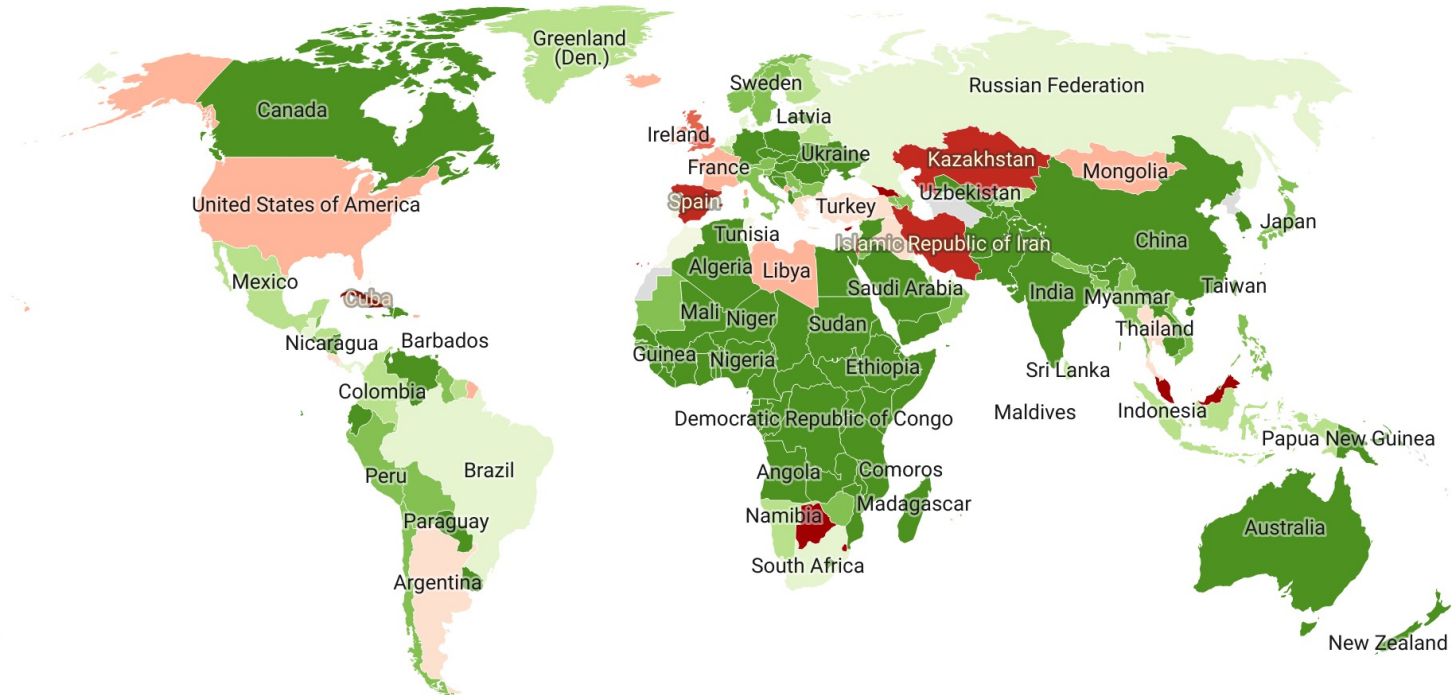
Newly Detected Cases / Million

Among large countries, infection rates are highest in Botswana, Cuba, Cyprus,, Eswatini, Georgia, Iran, Kazakhstan, Malaysia, and Spain.

New Infections / Million

7-Day Average, As of August 7

< 50 50-100 100-150 150-200 200-250 250-300 300-350 350-400 400-450 ≥ 450



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

Newly Detected Cases

The infection rate in the United States has surged since late June.

Newly-Detected Cases / Million

7-Day Average

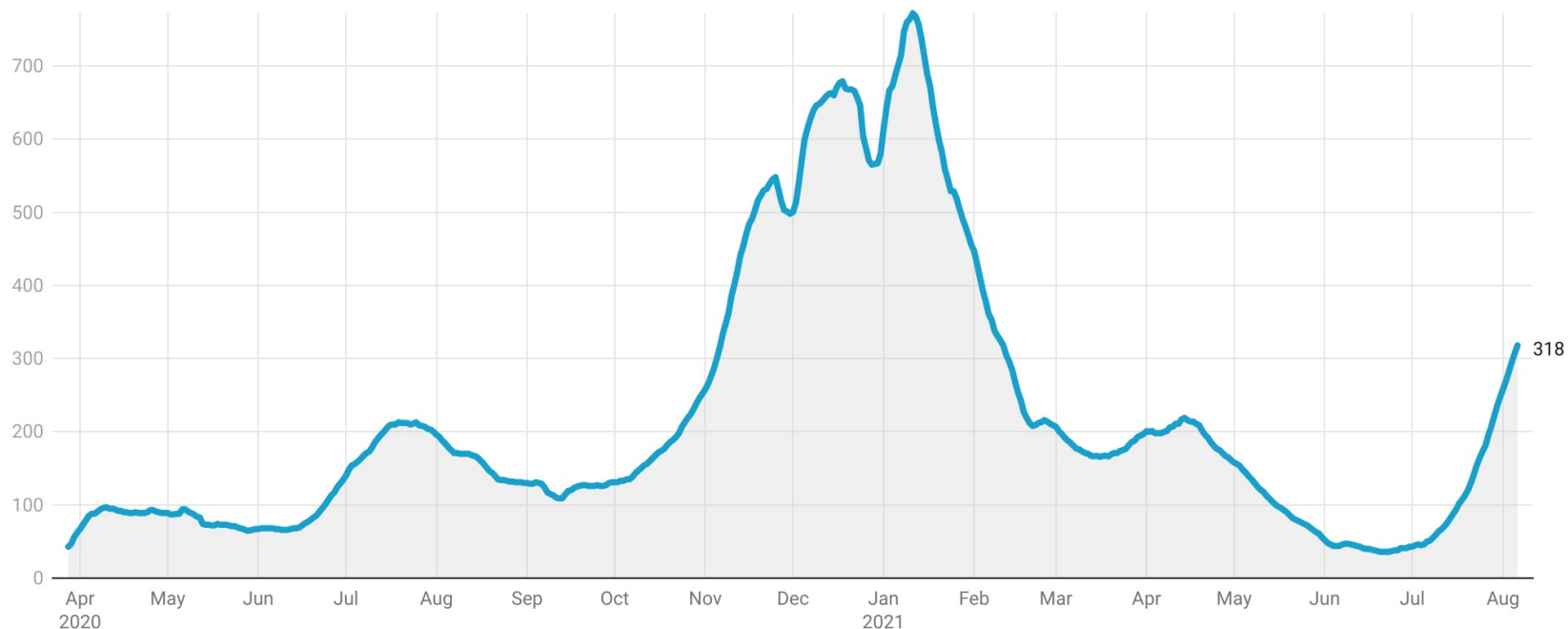


Chart: Health Industry Advisor LLC • Created with Datawrapper

Covid-19 "Vital Signs"

Infection Rate Trends – Israel, United Kingdom & the United States

These countries have been hit hard by the Delta variant, despite strong vaccination rates. The infection rate in the United Kingdom slowed from its mid-July peak. Israel is now seeing higher rates than the United States.

New Infections Per Million

7-Day Average

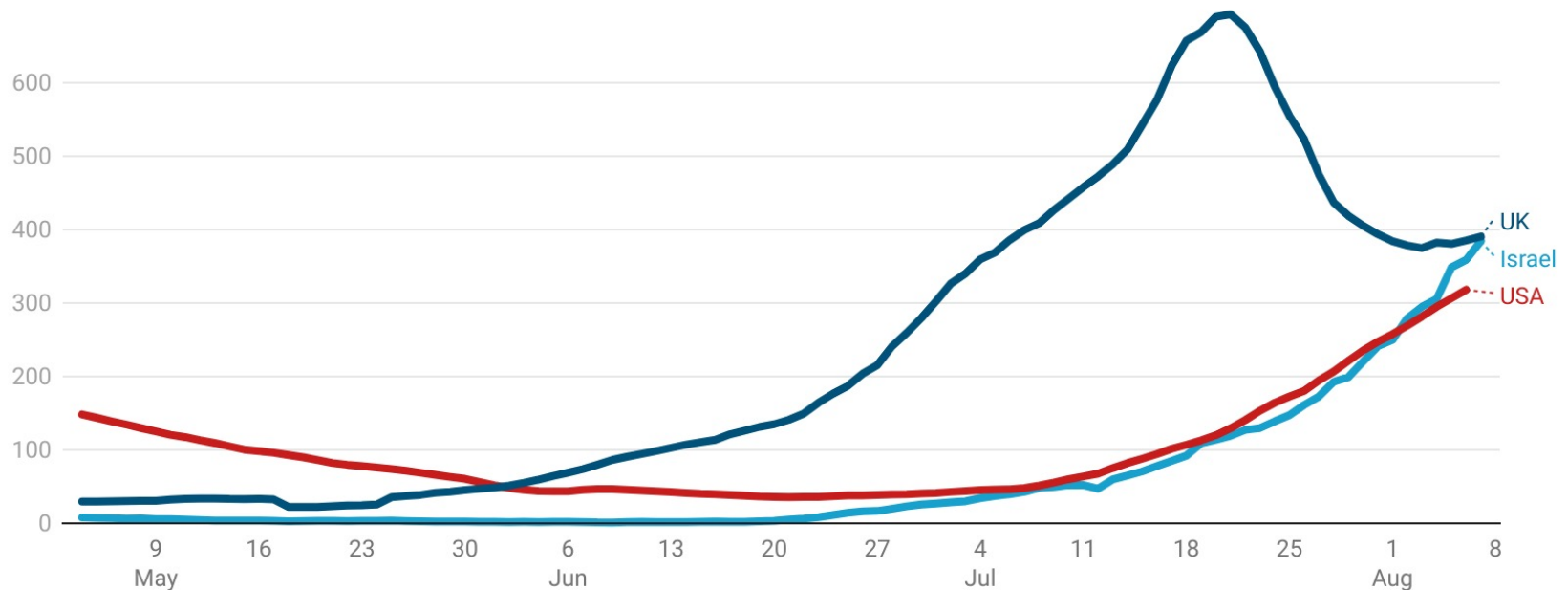


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Covid-19 "Vital Signs"

New Cases / Million

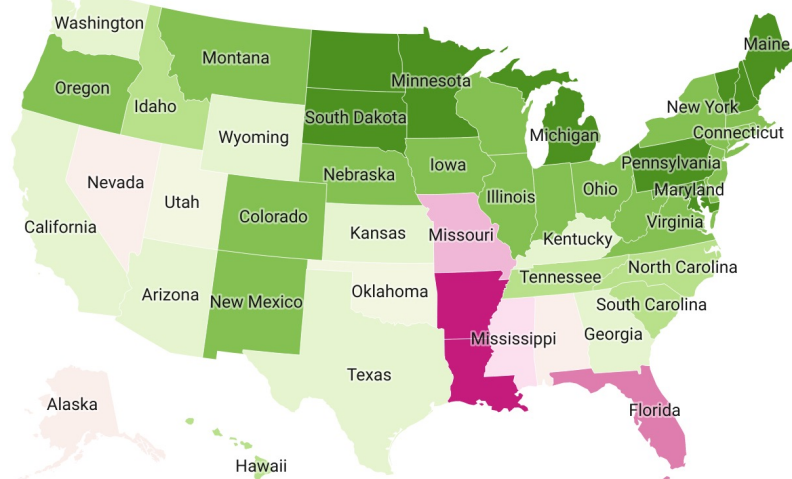
Infection rates increased across the country, with the southeast hit the hardest.

July 23

August 6

New Cases / Million

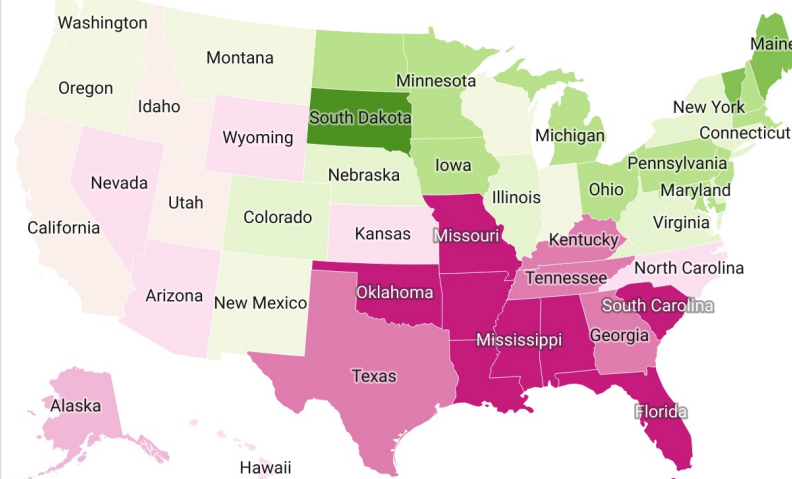
7-Day Moving Average, As of July 23



Map: Health Industry Advisor LLC • Created with Datawrapper

New Cases / Million

7-Day Moving Average, As of August 6



Map: Health Industry Advisor LLC • Created with Datawrapper

Covid-19 "Vital Signs"

Rate of Change in New Daily Cases

The rate of increase in new daily cases in the United States has slowed since mid-July. Florida has seen its case growth rate slow both sooner and faster. If these trends continue, new cases should decline within the next several weeks.

Daily Change in Infection Rate

7-Day Average, New Infections per Million

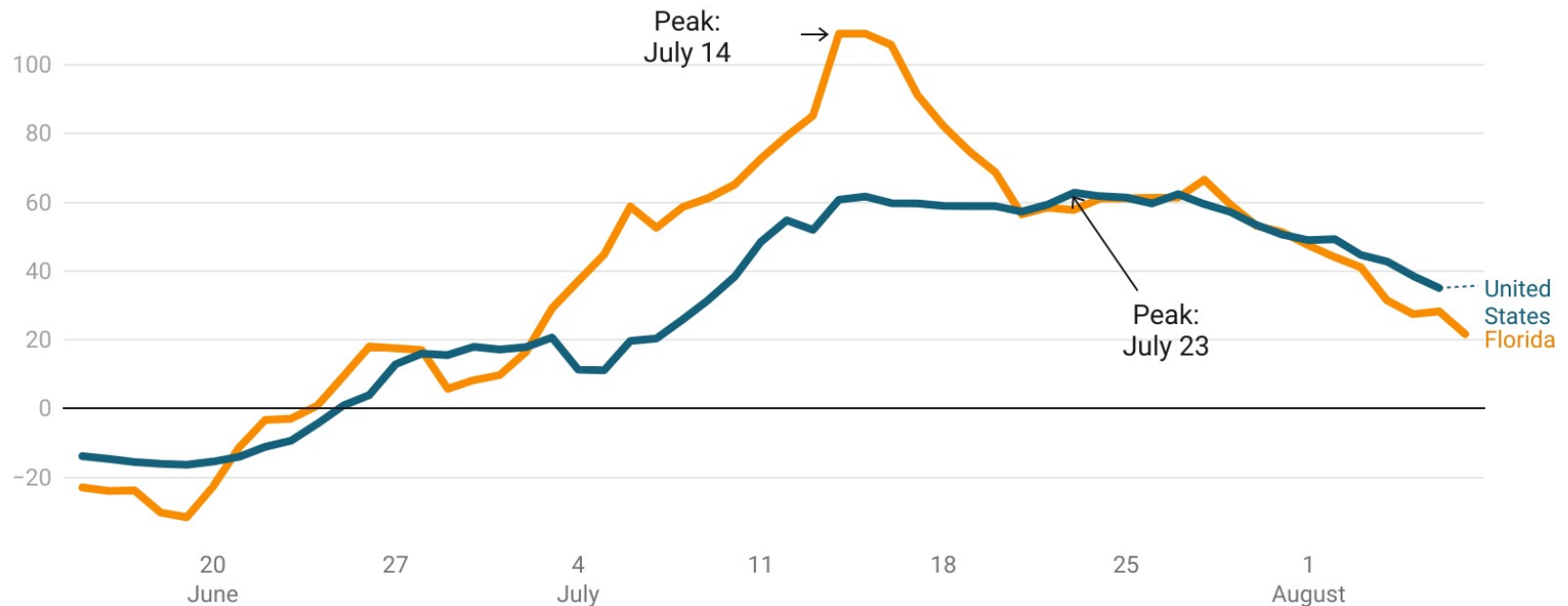


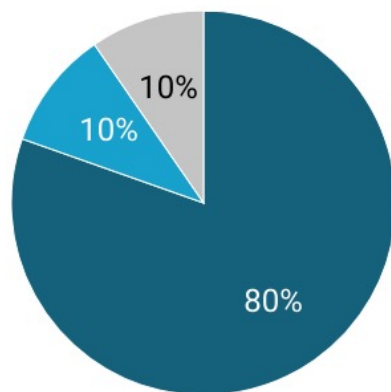
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Vaccination Status By Age

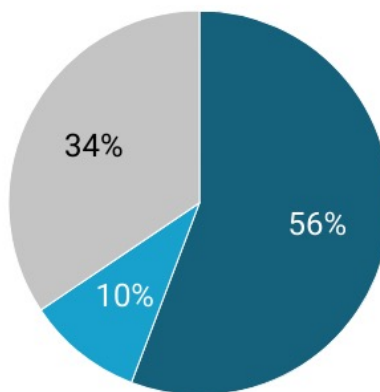
90% of seniors are participating in the vaccination process; 80% are fully vaccinated. 66% of younger adults have received at least one shot; 56% are fully vaccinated. Only one-in-four 12-to-17-year-olds have started vaccinations.

Vaccination Status By Age

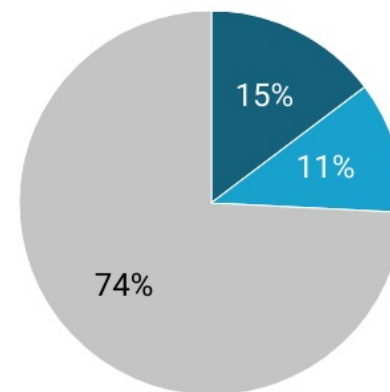
As of August 6



65+



18-64



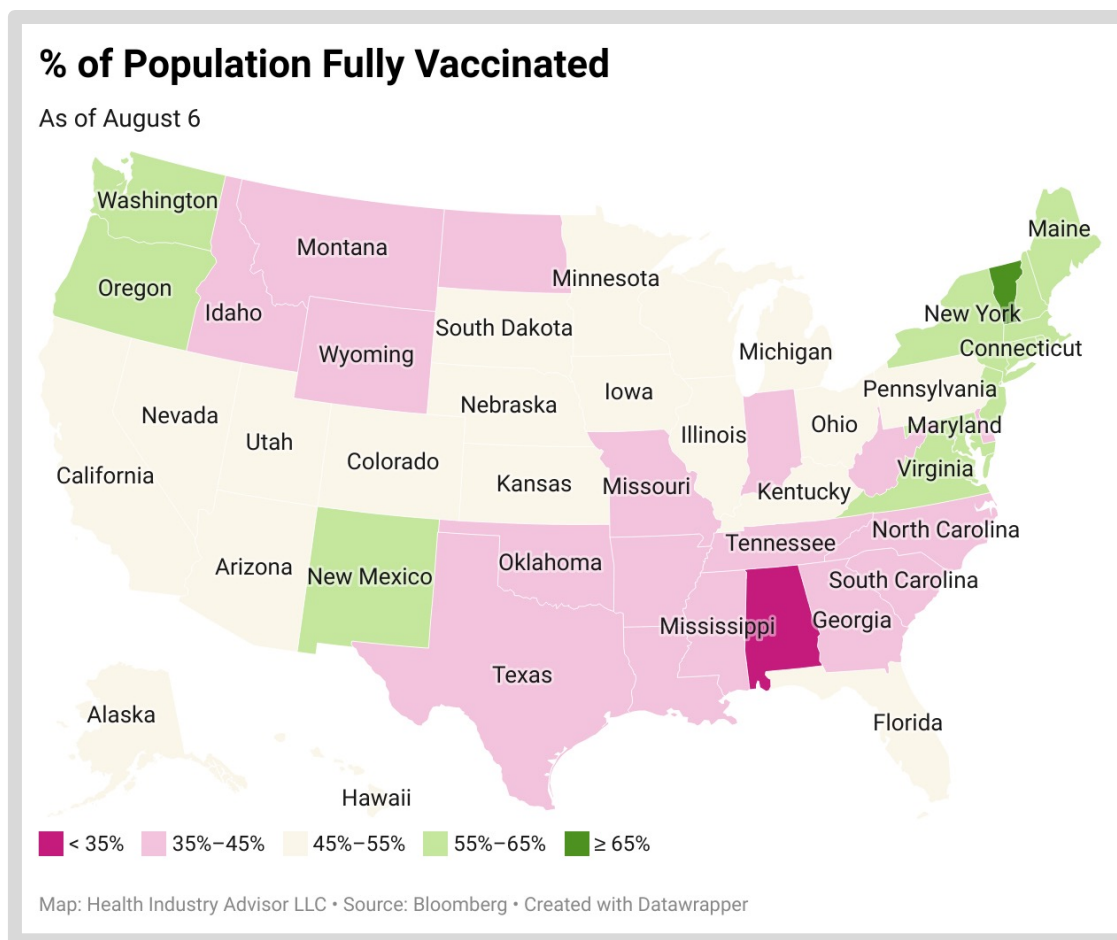
12-17

■ Fully Vaccinated ■ Partially Vaccinated ■ Unvaccinated

Chart: Health Industry Advisor LLC • Source: CDC • Created with Datawrapper

Vaccine Tracking - % of Adult Population Vaccinated

Vermont leads the nation, with 68% of all residents fully vaccinated. Alabama is last, with 35%. Half of all Americans are fully vaccinated.



Pace of Vaccinations

The vaccination rate plummeted in early July, falling from 1.1 million doses to less than 500 thousand per day. In the past month, the rate climbed back to 700 thousand per day.

Vaccines Administered per Day - United States

7-Day Average

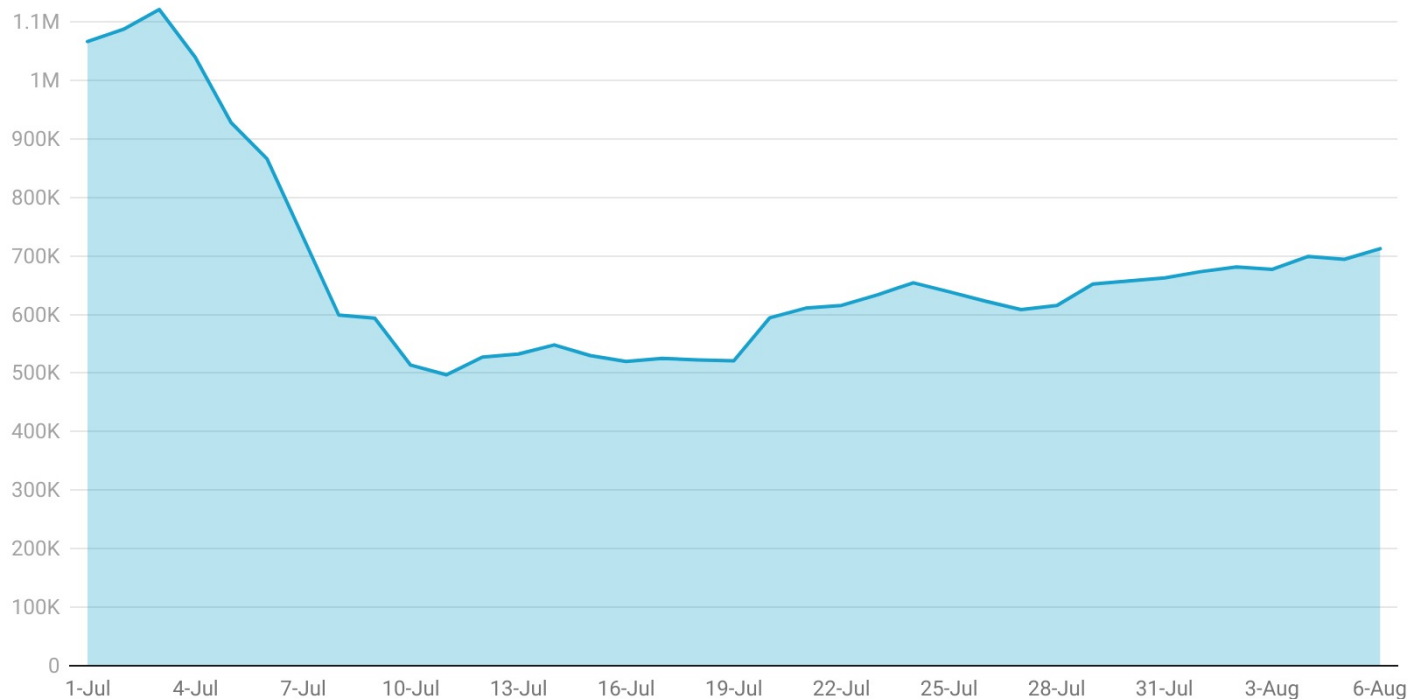


Chart: Health Industry Advisor LLC • Source: CDC, Bloomberg • Created with Datawrapper

Covid-19 "Vital Signs"

Covid-19 Admissions & Inpatient Census

Covid-19 inpatient census spiked in the past month yet, remains below levels posted during the first three Covid-19 waves.

Covid-19 Admissions & Inpatient Census

Through August 6

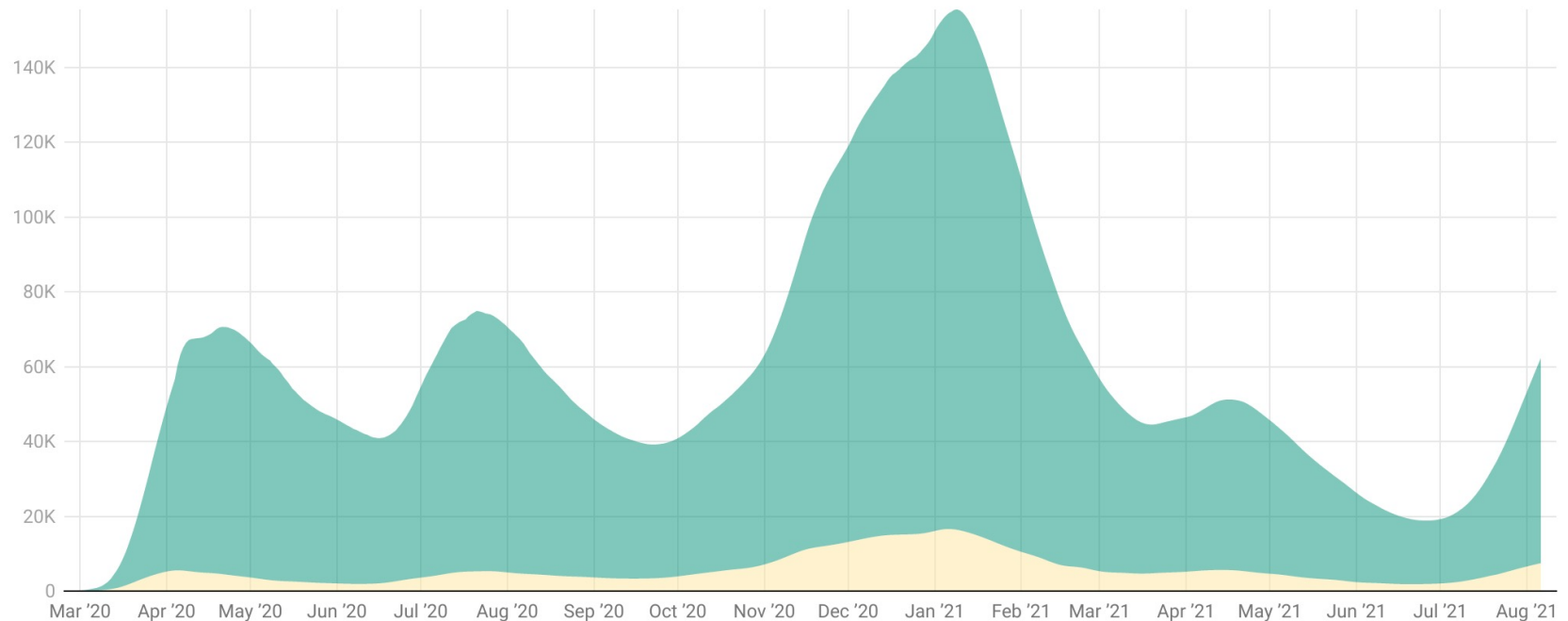


Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Covid-19 "Vital Signs"

Covid-19 Hospitalizations

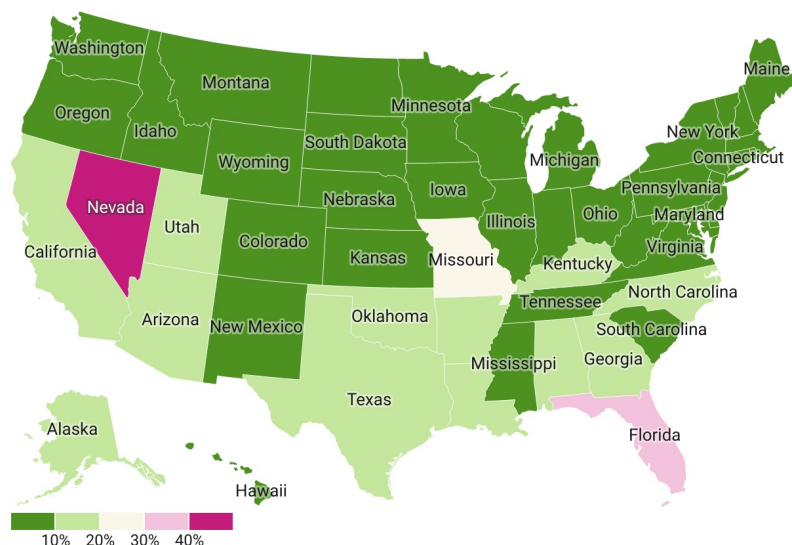
Covid-19 patients now occupy 18% of inpatient beds in the U.S. – versus 45% in early January. Alabama, Florida, and Maryland hospitals are under the greatest stress.

July 24

August 7

Covid-19 Patients As % of All Inpatient Beds

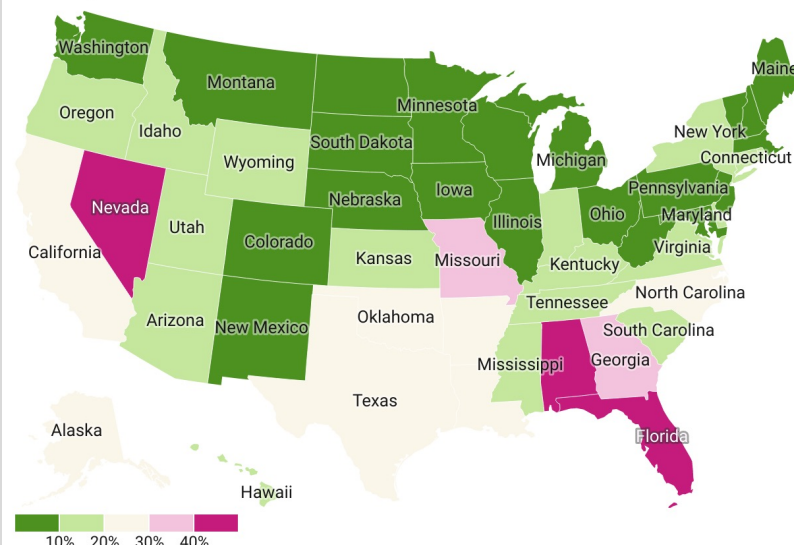
As of July 24



Map: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Covid-19 Patients As % of All Inpatient Beds

As of August 7



Map: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Covid-19 "Vital Signs"

Deaths With Coronavirus

Deaths with Covid-19 are increasing at a significant rate. However, the daily rate remains lower than at any time from April 2020 through May 2021.

Deaths With Coronavirus

7-Day Average, Through August 6



Chart: Health Industry Advisor LLC • Created with Datawrapper

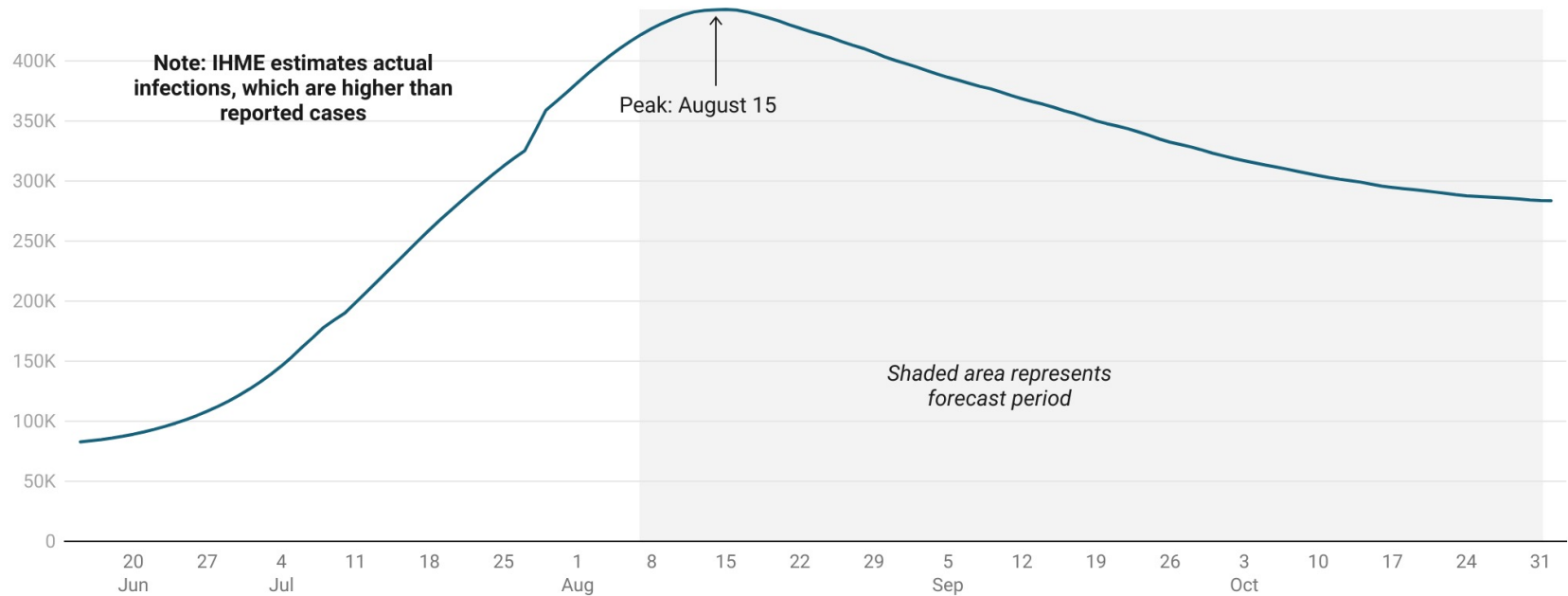
Covid-19 "Vital Signs"

Estimated Infections- IHME Projections

Estimated new infections may reach peak by next weekend, according to the latest IHME projection.

Estimated and Projected Infections

Institute For Health Metrics and Evaluation



Forecast Date: August 6

Chart: Health Industry Advisor LLC • Source: Institute For Health Metrics and Evaluation • Created with Datawrapper

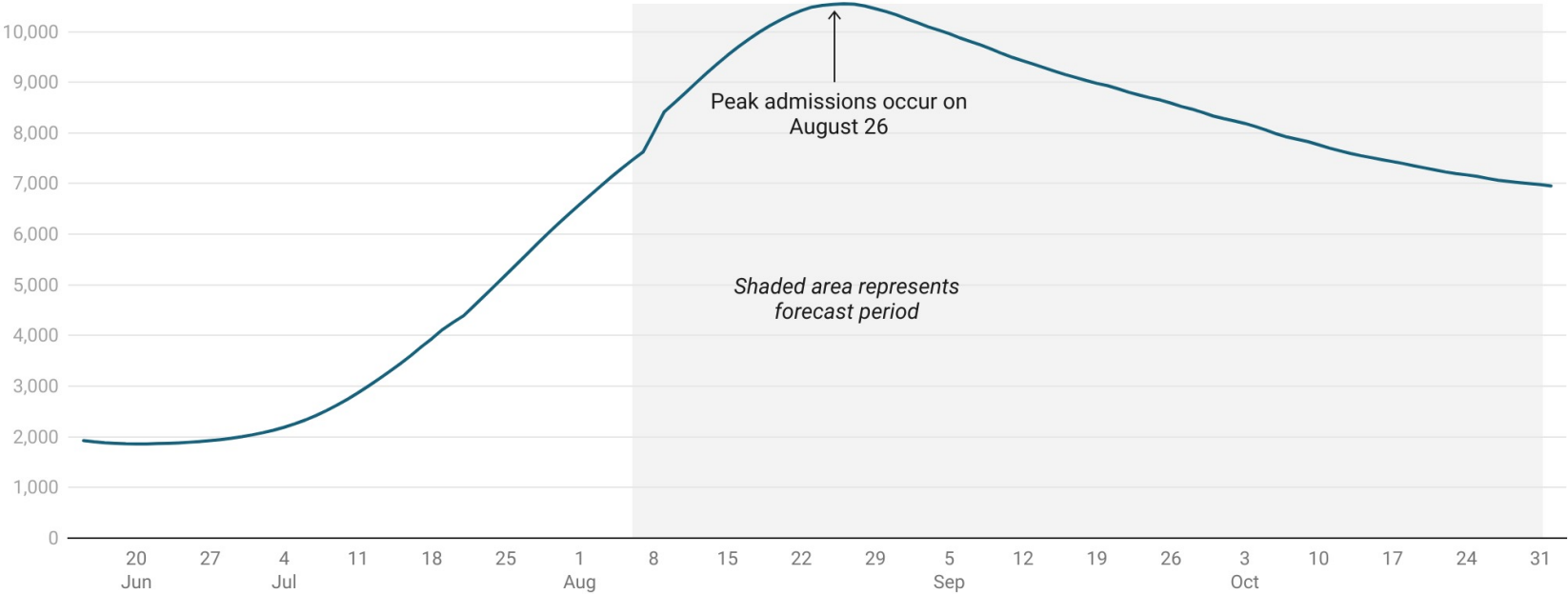


Covid-19 Inpatient Admissions – IHME Projections

Covid-19 admissions are expected to peak late this month.

Estimated and Projected Hospital Admissions

Institute For Health Metrics and Evaluation



Forecast Date: August 6

Chart: Health Industry Advisor LLC • Source: Institute For Health Metrics and Evaluation • Created with Datawrapper

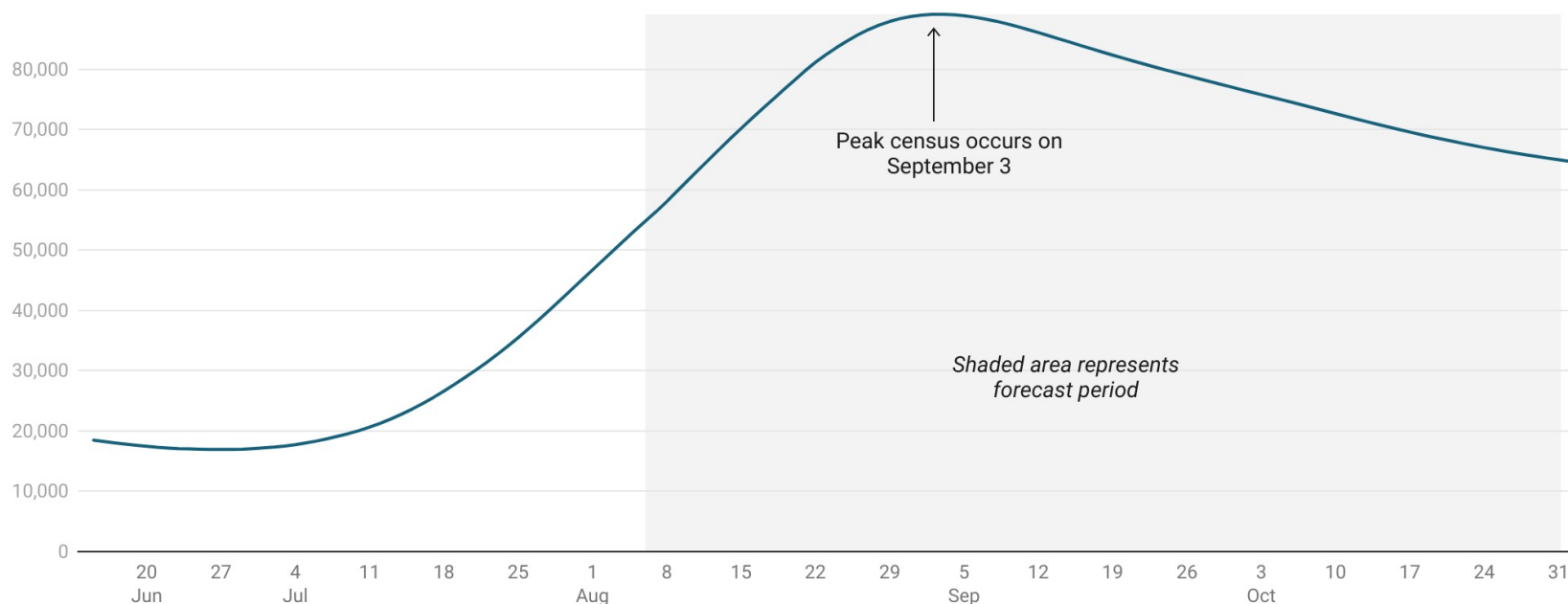
Covid-19 “Vital Signs”

Covid-19 Inpatient Census – IHME Projections

Projected Covid-19 admissions peaked a month ago according to the latest IHME model. By Thursday, projected admissions drop lower than at any time since March 24, 2020.

Estimated and Projected Hospital Census

Institute For Health Metrics and Evaluation



Forecast Date: August 6

Chart: Health Industry Advisor LLC • Source: Institute For Health Metrics and Evaluation • Created with Datawrapper

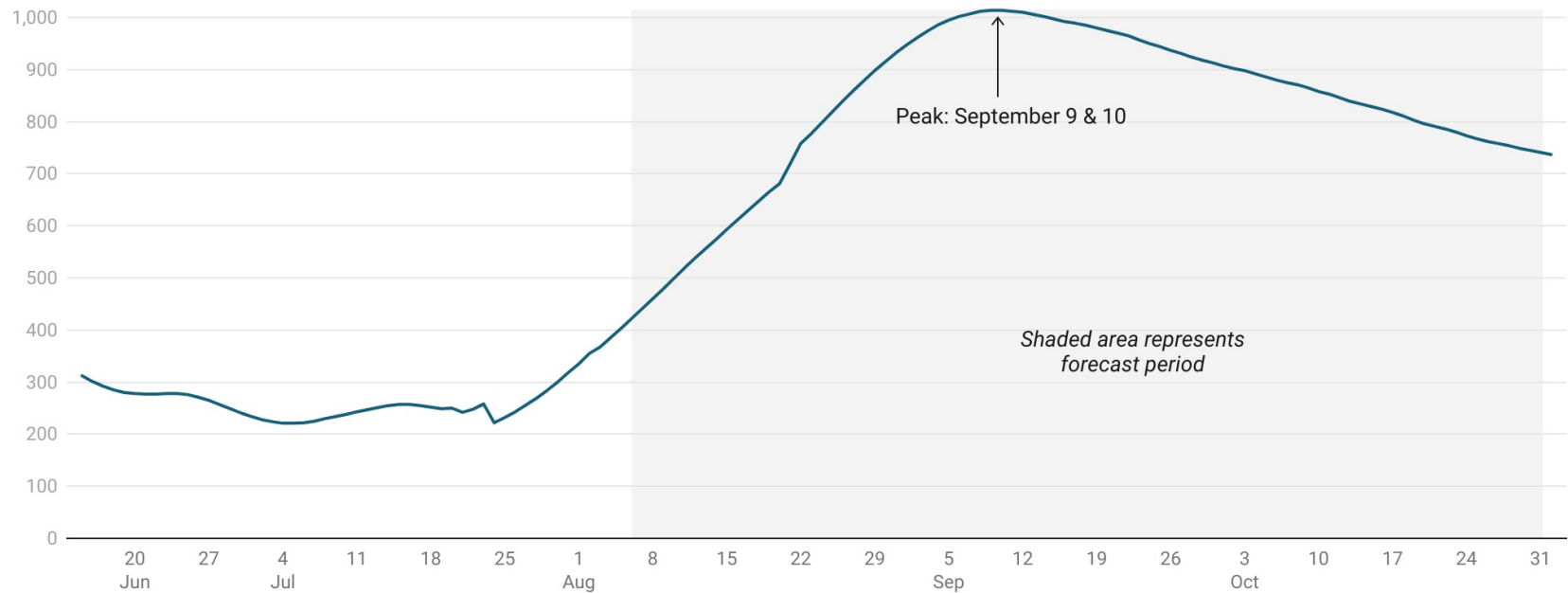
Covid-19 "Vital Signs"

Deaths With Covid-19: IHME Projection

Covid-19 deaths are not expected to peak for another month. At that time, IHME anticipates slightly more than 1,000 deaths per day.

Estimated and Projected Deaths per Day With Covid-19

Institute For Health Metrics and Evaluation



Forecast Date: August 6

Chart: Health Industry Advisor LLC • Source: Institute For Health Metrics and Evaluation • Created with Datawrapper

Sources

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

- U.S. Department of Health & Human Services: <https://healthdata.gov/dataset/covid-19-estimated-patient-impact-and-hospital-capacity-state>
- U.S. Department of Health & Human Services <https://beta.healthdata.gov/dataset/COVID-19-Diagnostic-Laboratory-Testing-PCR-Testing/j8mb-icvb>
- Worldometers.info: <https://www.worldometers.info/coronavirus/>
- Centers for Disease Control and Prevention, National, Regional, and State Level Outpatient Illness and Viral Surveillance <https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>
- Centers for Disease Control and Prevention, COVID-19 Laboratory-Confirmed Hospitalizations https://gis.cdc.gov/grasp/COVIDNet/COVID19_5.html
- Centers for Disease Control and Prevention, COVID Data Tracker <https://www.cdc.gov/covid-data-tracker/index.html#mobility>
- Centers for Disease Control and Prevention, Vaccines, <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/index.html>
- 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>
- Our World In Data, <https://ourworldindata.org/covid-vaccinations>
- Covid-19 Forecast Hub, <https://viz.covid19forecasthub.org>
- Yale School of Public Health & Harvard TH Chan School of Public Health, <https://covidestim.org>
- Bloomberg Vaccine Trackers, <https://www.bloomberg.com/graphics/covid-vaccine-tracker-global-distribution/?sref=Z0b6TmH>