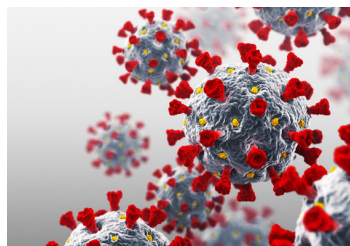


Covid-19 "Vital Signs"

Issue # 338

May 25, 2021

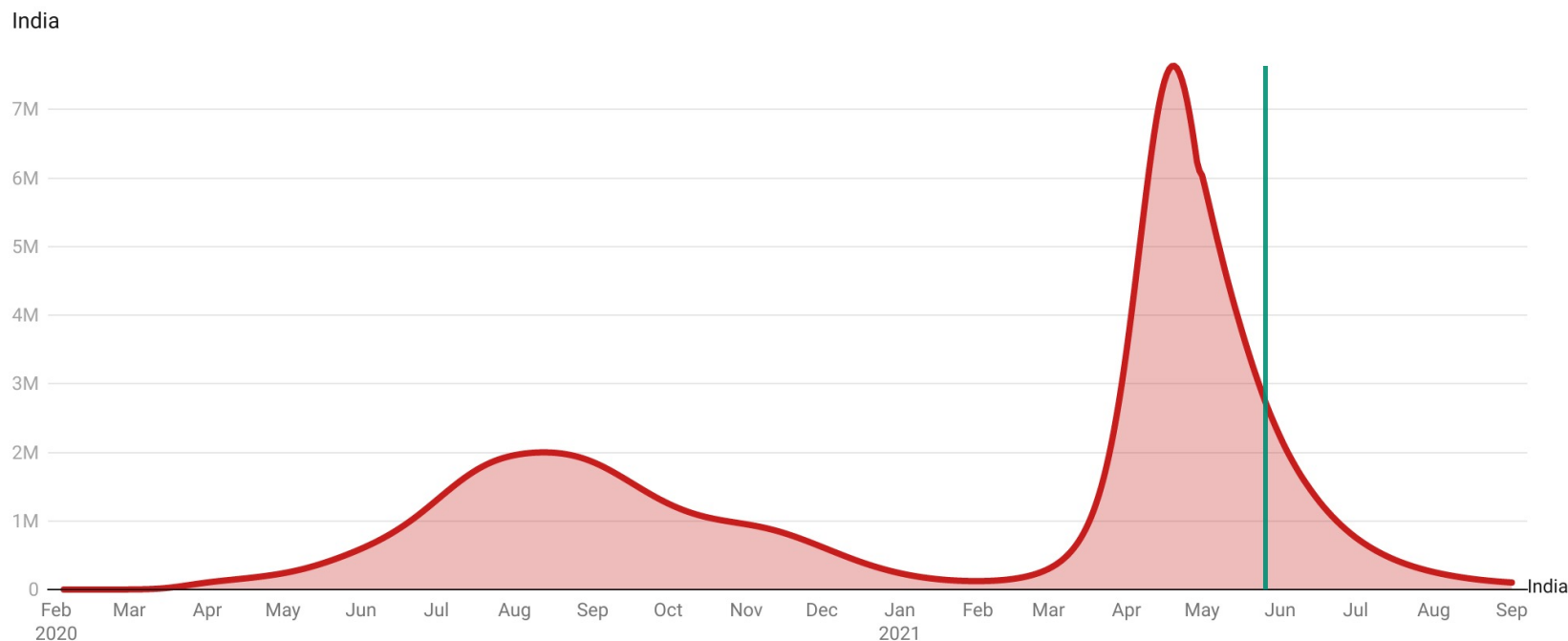


Covid-19 "Vital Signs"

Estimated Infections - IHME Projections

Estimated daily infections appear to have peaked in India, based on the latest IHME model. India's daily estimated infections topped out at 7.5 million a month ago. Since then, new daily infections have been reduced by half.

New Daily Infections



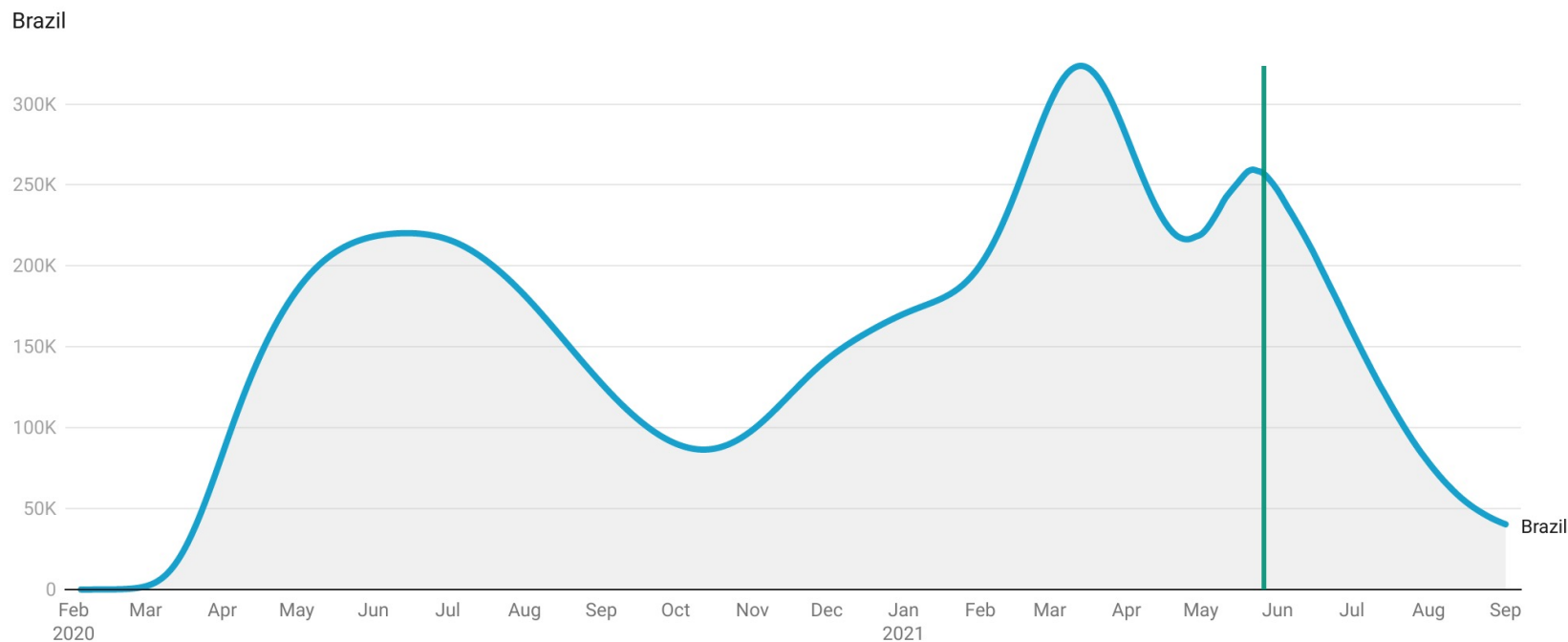
Based on IHME's May 21st Model

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

Estimated Infections - IHME Projections

A third wave in estimated daily infections appears to be peaking in Brazil, based on the latest IHME model.

New Daily Infections



Based on IHME's May 21st Model

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

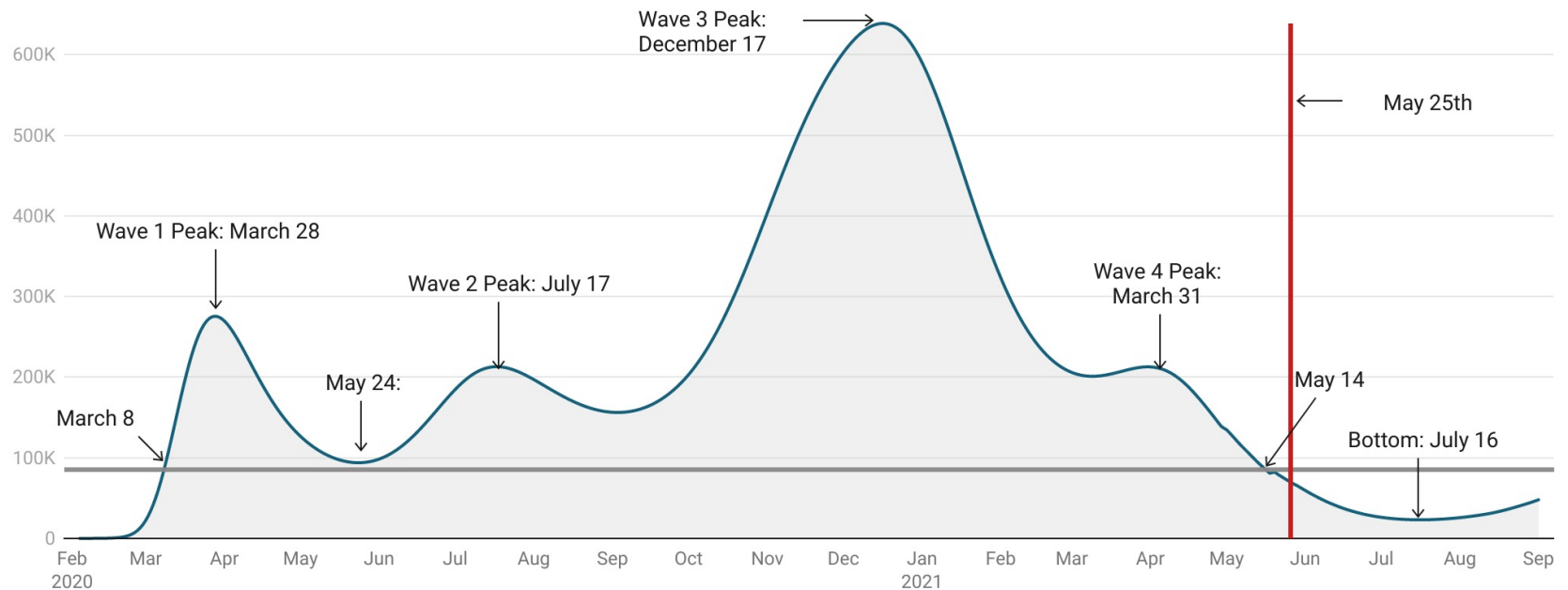
Covid-19 "Vital Signs"

Estimated Infections IHME Projections

Estimated new infections in the U.S. have fallen to the lowest point since March 8, 2020.

Estimated and Projected Infections

Institute For Health Metrics and Evaluation



Forecast Date: May 21st

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

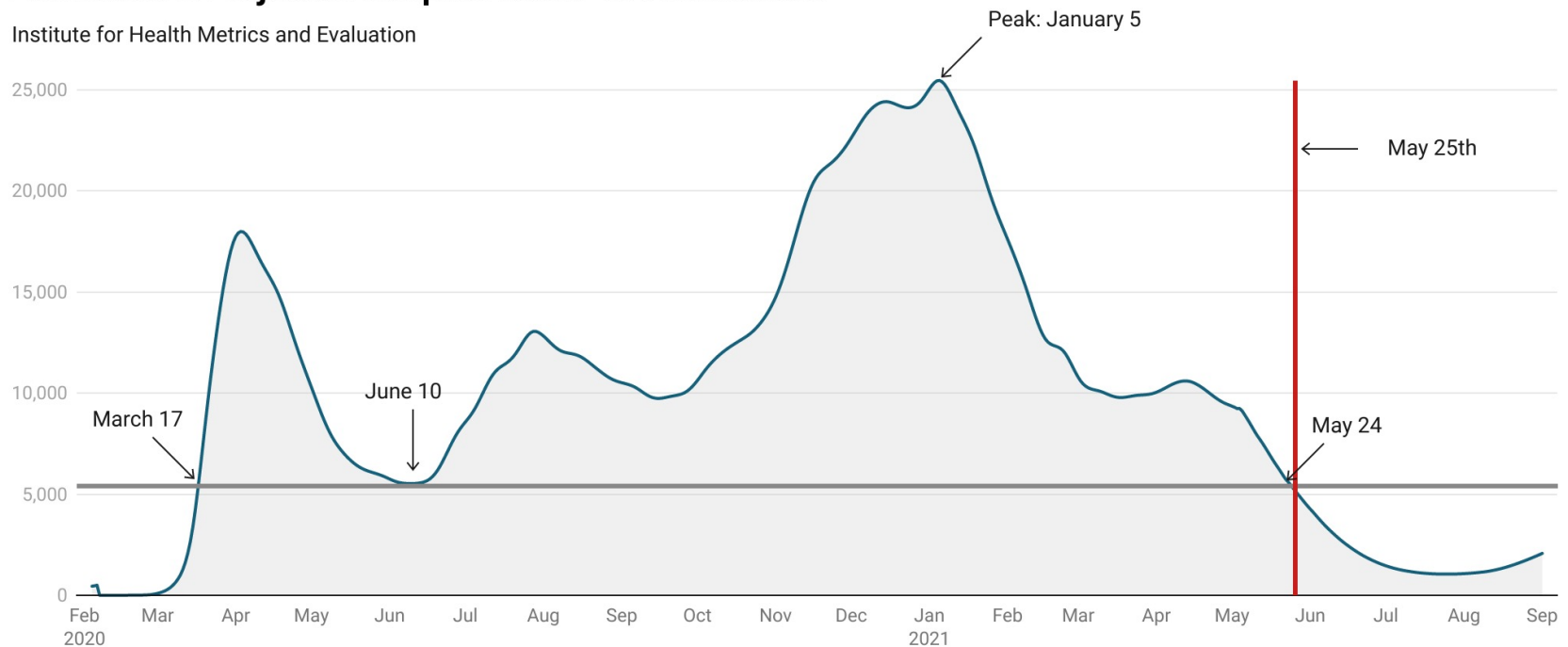
Covid-19 “Vital Signs”

Covid-19 Inpatient Admissions – IHME Projections

Projected Covid-19 admissions began declining weeks ago, according to the latest IHME model. As of yesterday, projected admissions could be lower than at any time since mid-March 2020.

Estimated & Projected Hospital Covid-19 Admissions

Institute for Health Metrics and Evaluation



Forecast Date: May 21st

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

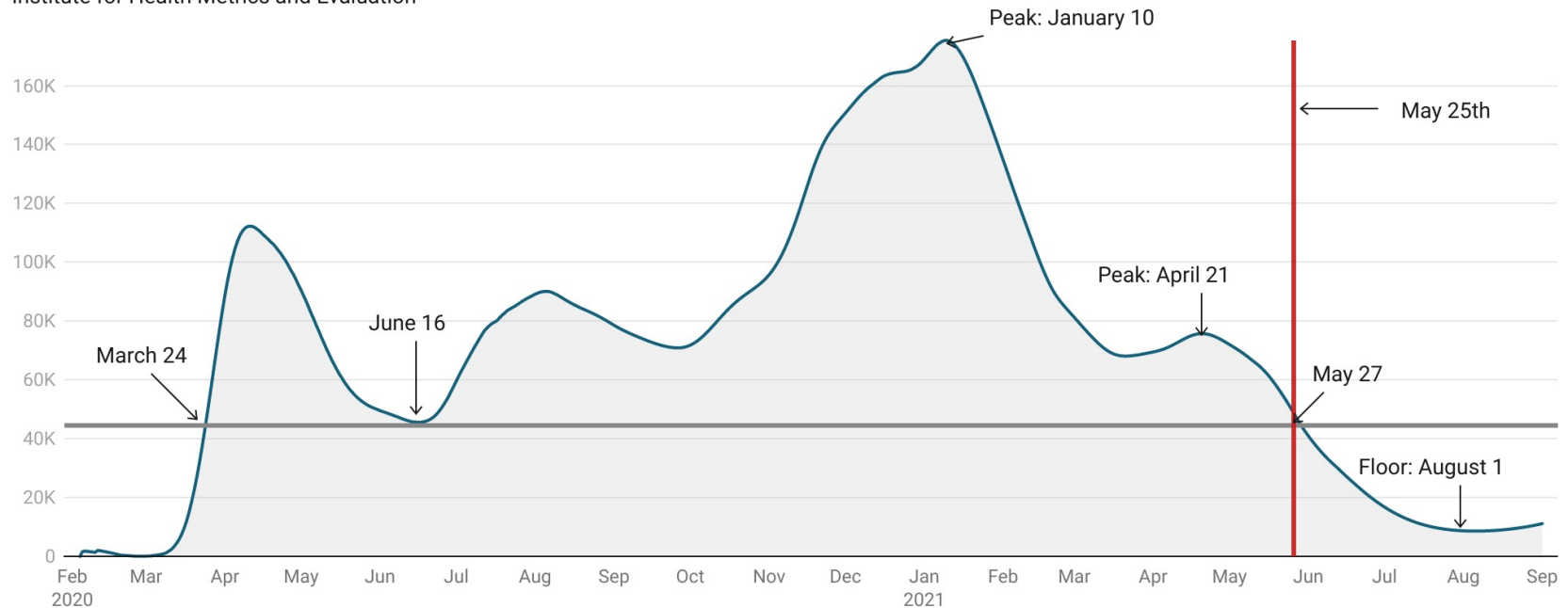
Covid-19 "Vital Signs"

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 & Projected Hospital Covid-19 Inpatient Census

Institute for Health Metrics and Evaluation



Forecast Date: May 21st

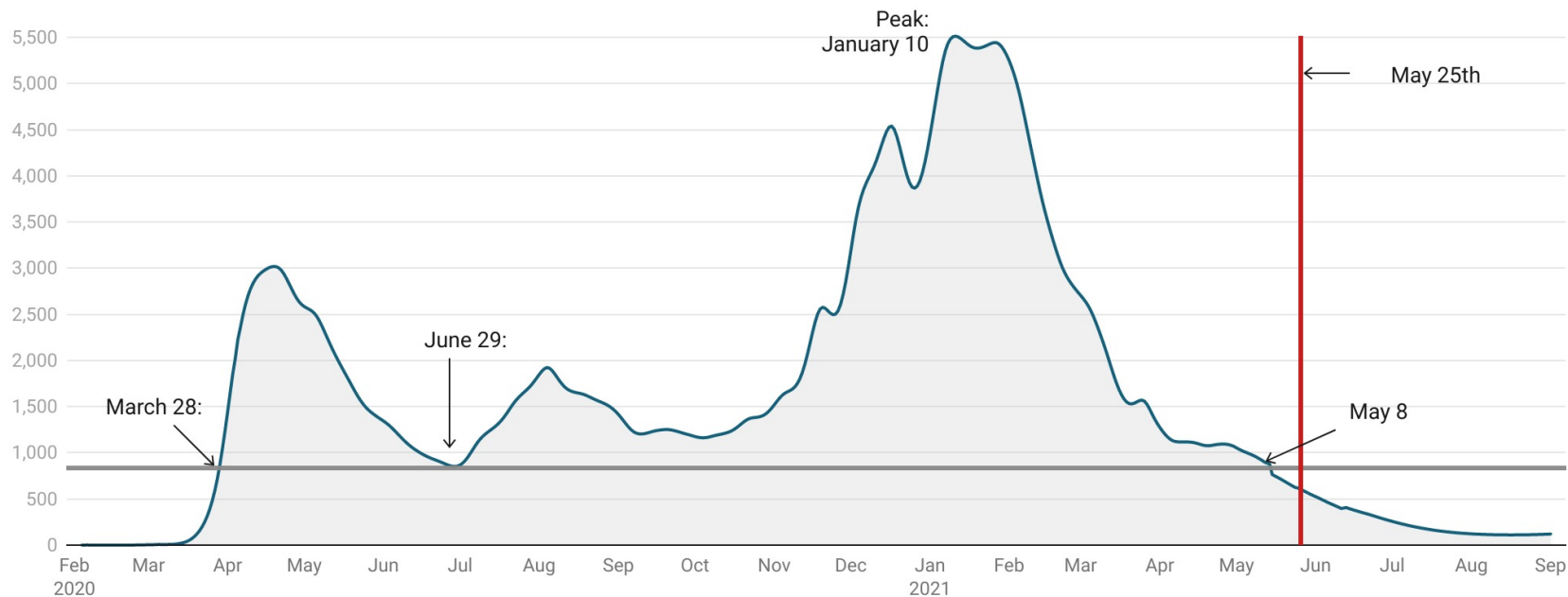
Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Deaths With Covid-19: IHME Projection

Covid-19 deaths are below levels experienced at any time since March 2020.

Estimated & Projected Deaths With Covid-19

Institute for Health Metrics and Evaluation



Forecast Date: May 21st

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

Newly Detected Cases / Million - US

The U.S. 7-day new case rate dropped to a level unseen since June 17, 2020.

Newly-Detected Cases / Million

7-Day Average

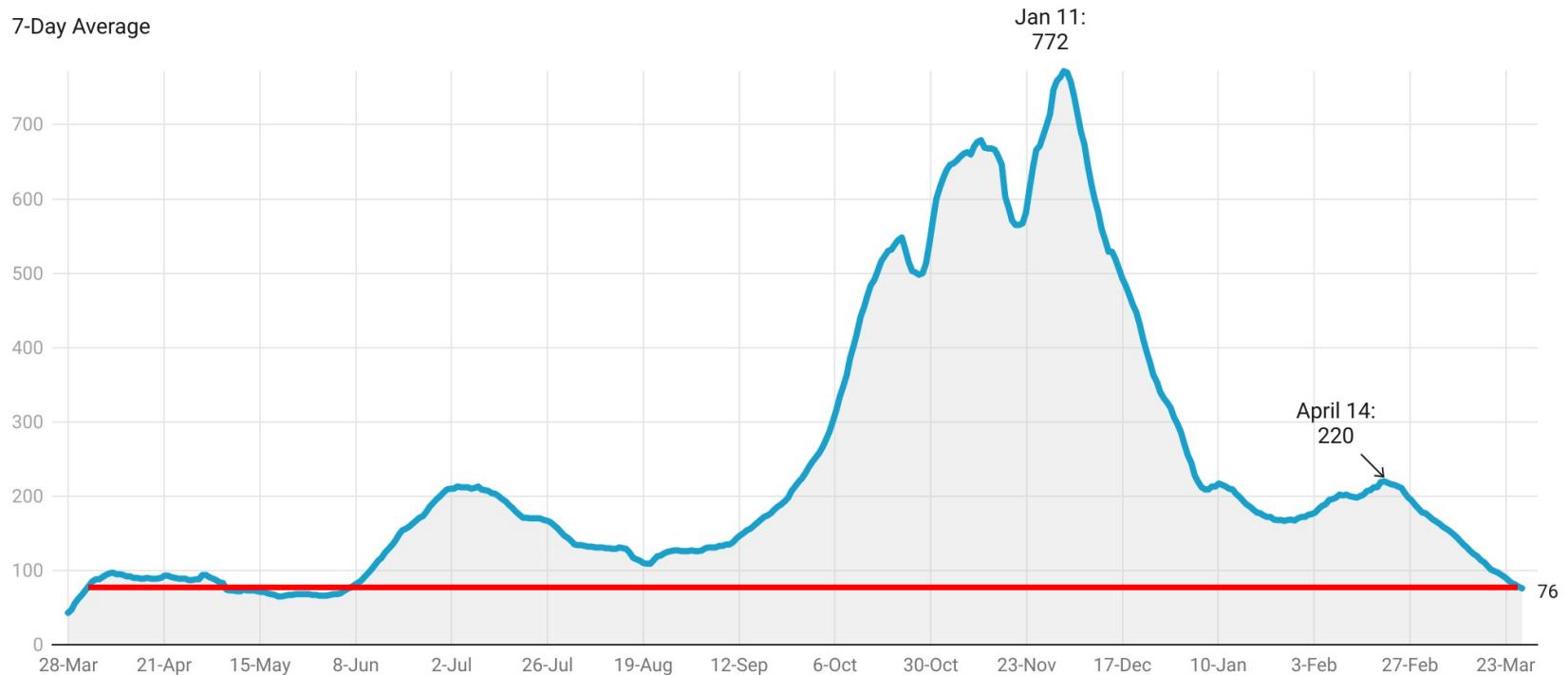


Chart: Health Industry Advisor LLC • Created with Datawrapper

Covid-19 "Vital Signs"

Pace of Worldwide Vaccinations

Among large countries, Bahrain, Chile, Israel, and the UAE are pacing the world in vaccinating residents. The United Kingdom and the United States rank eleventh and thirteenth respectively among all nations.

Doses Per 100 Persons - 25 Highest Country Rates

Most Recent Data, As of May 23

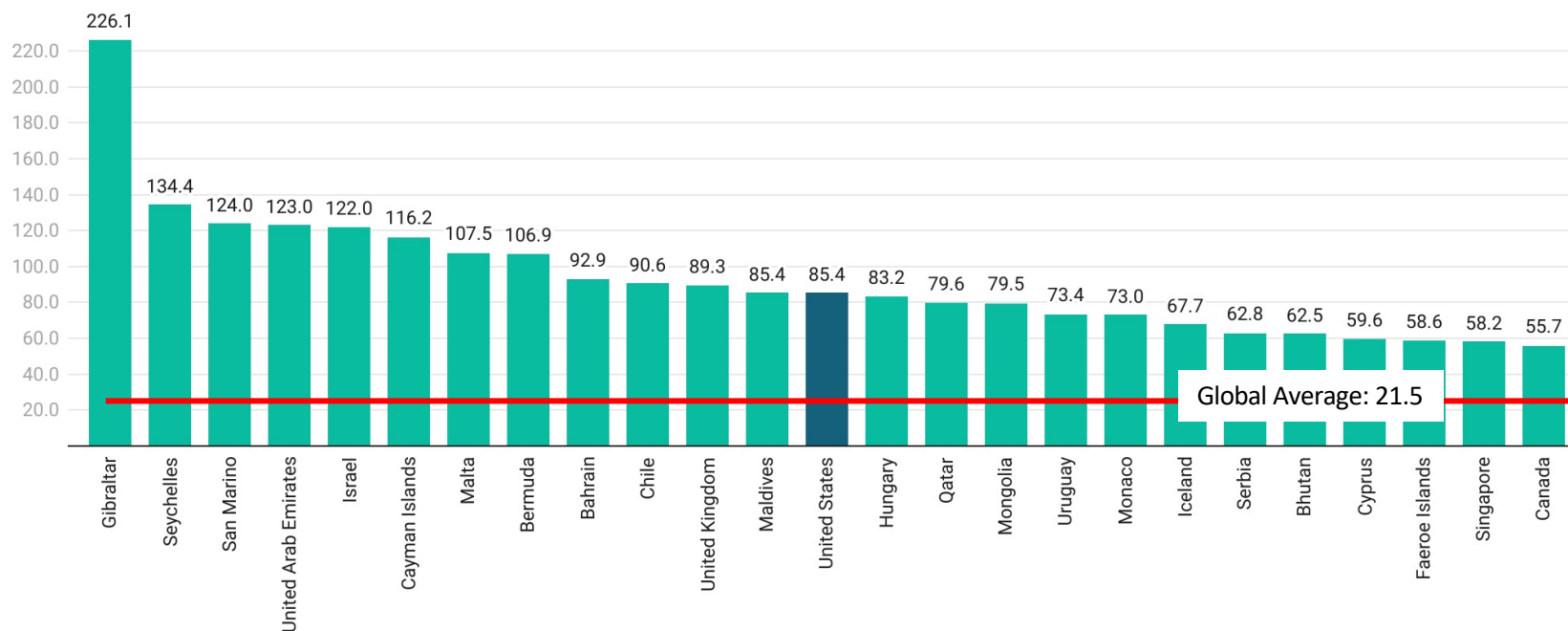


Chart: Health Industry Advisor LLC • Source: Our World In Data • Created with Datawrapper

<https://ourworldindata.org/covid-vaccinations>

Covid-19 "Vital Signs"

Vaccines Per Person – By Continent

North America has set the pace among the continents, followed by Europe. Rates are far too low in Africa. South America, where the virus is spreading, needs to step-up its vaccination efforts.

Doses Per 100 People - By Continent

Most Recent Data, As of May 23

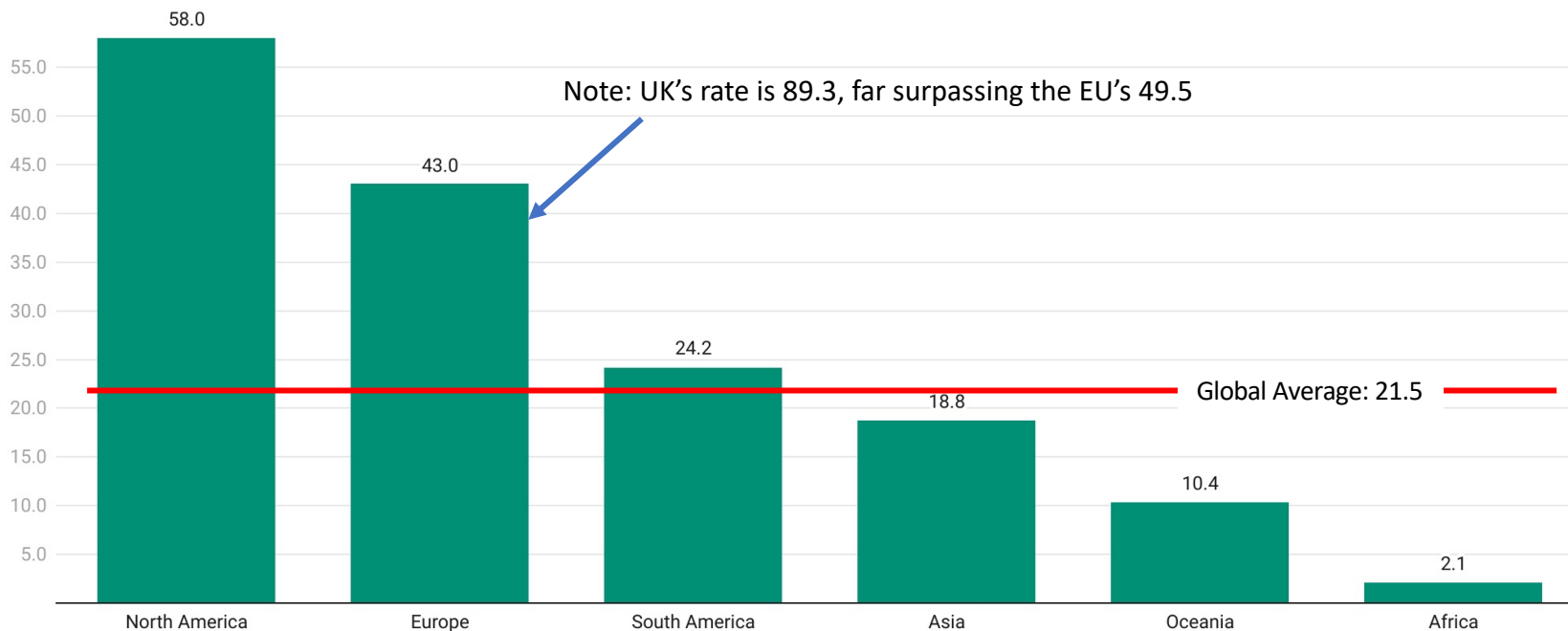
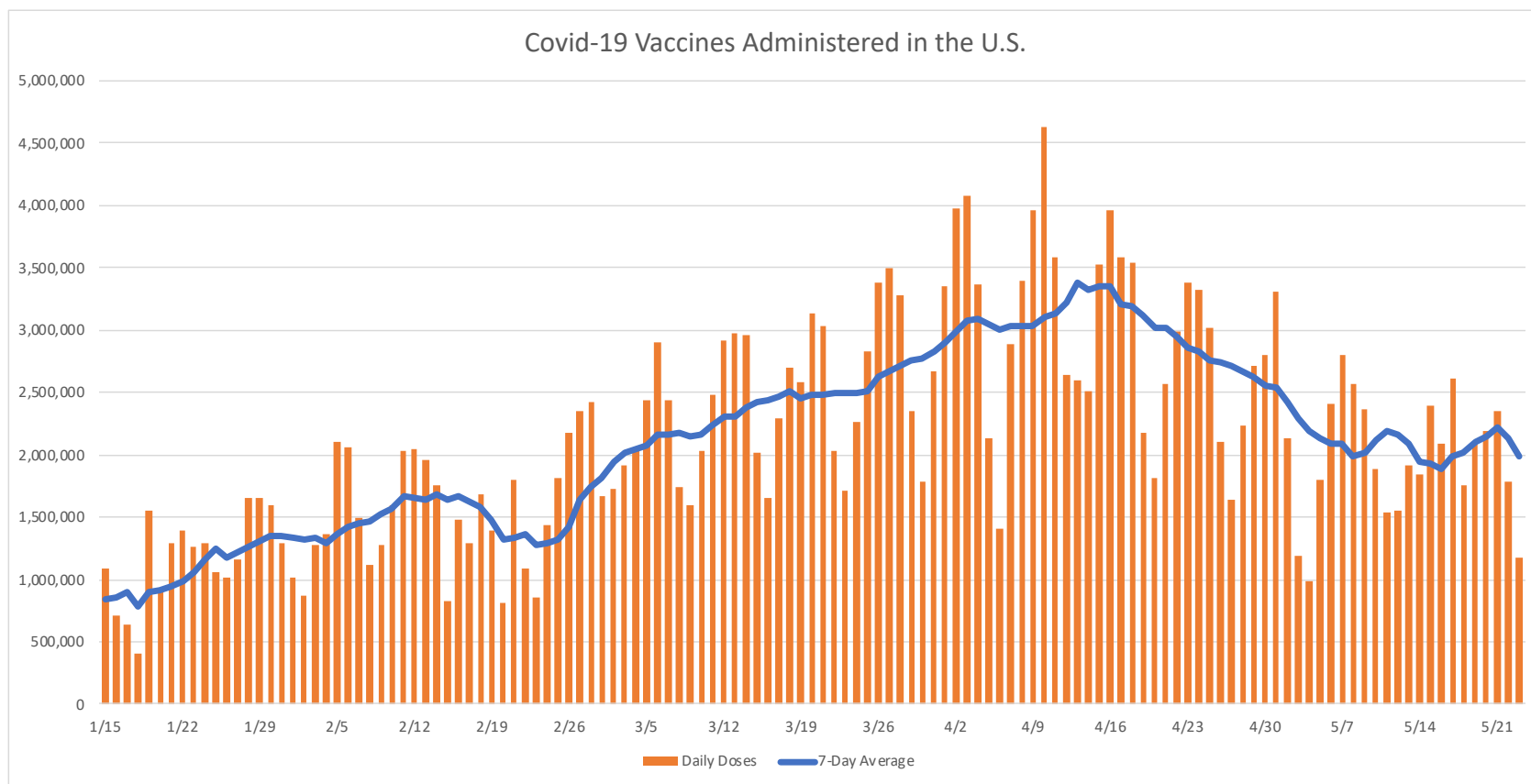


Chart: Health Industry Advisor LLC • Source: Our World In Data • Created with Datawrapper

Covid-19 "Vital Signs"

Pace of Vaccinations

The 7-day average vaccination rate has ranged between 1.9 to 2.2 million doses each day during May.



Covid-19 "Vital Signs"

Vaccine Tracking

To date, the US has distributed 357 million doses - more than one dose per resident. We have administered 287 million doses. 129 million people are fully inoculated.

Vaccination Progress

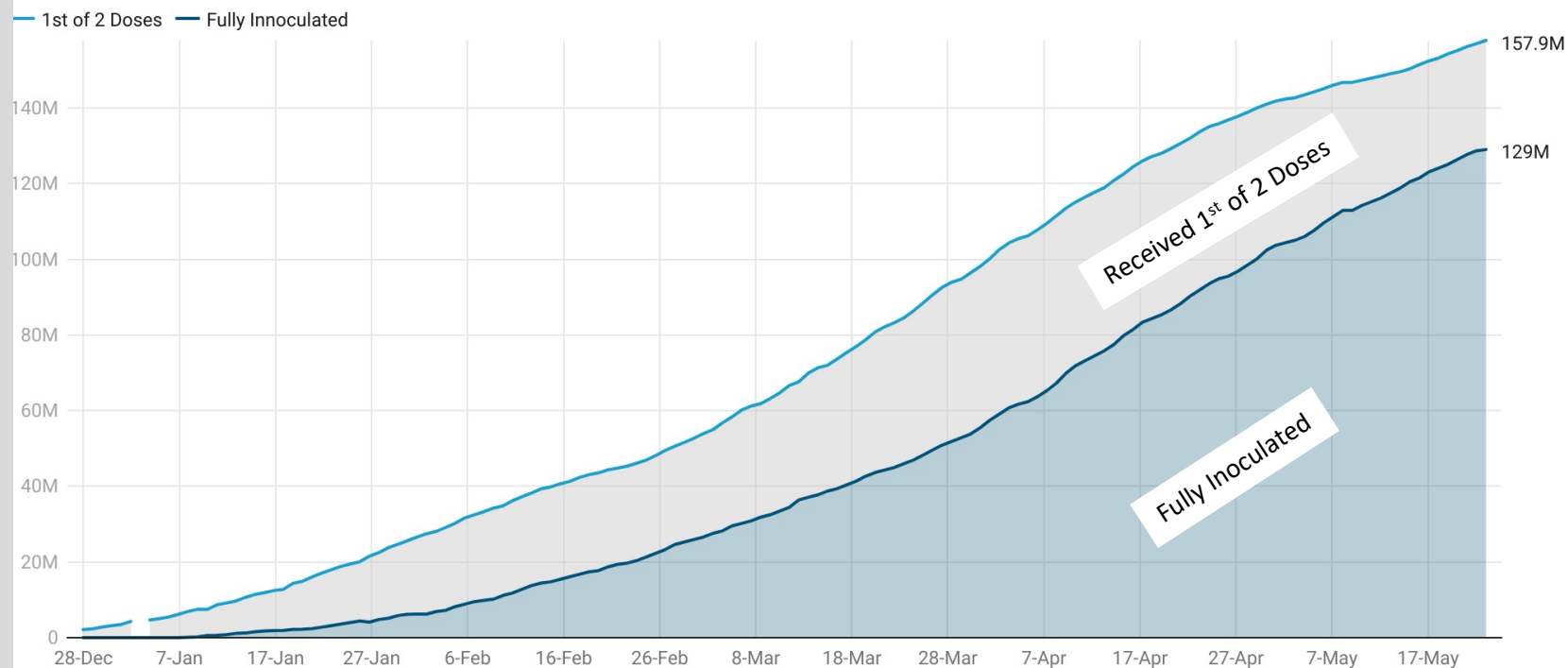


Chart: Health Industry Advisor LLC • Source: CDC, Bloomberg • Created with Datawrapper

Vaccine data from: [Centers for Disease Control and Prevention](#) and [Bloomberg Vaccine Tracker](#)

Vaccination Status By Age

85% of seniors are participating in the vaccination process; 74% are fully vaccinated. 55% of younger adults have received at least one shot; 43% are fully vaccinated. 55% of younger adults have received at least one shot; 43% are fully vaccinated. Nine percent of 12-to-17-year-olds have started vaccinations.

Vaccination Status By Age

As of May 23

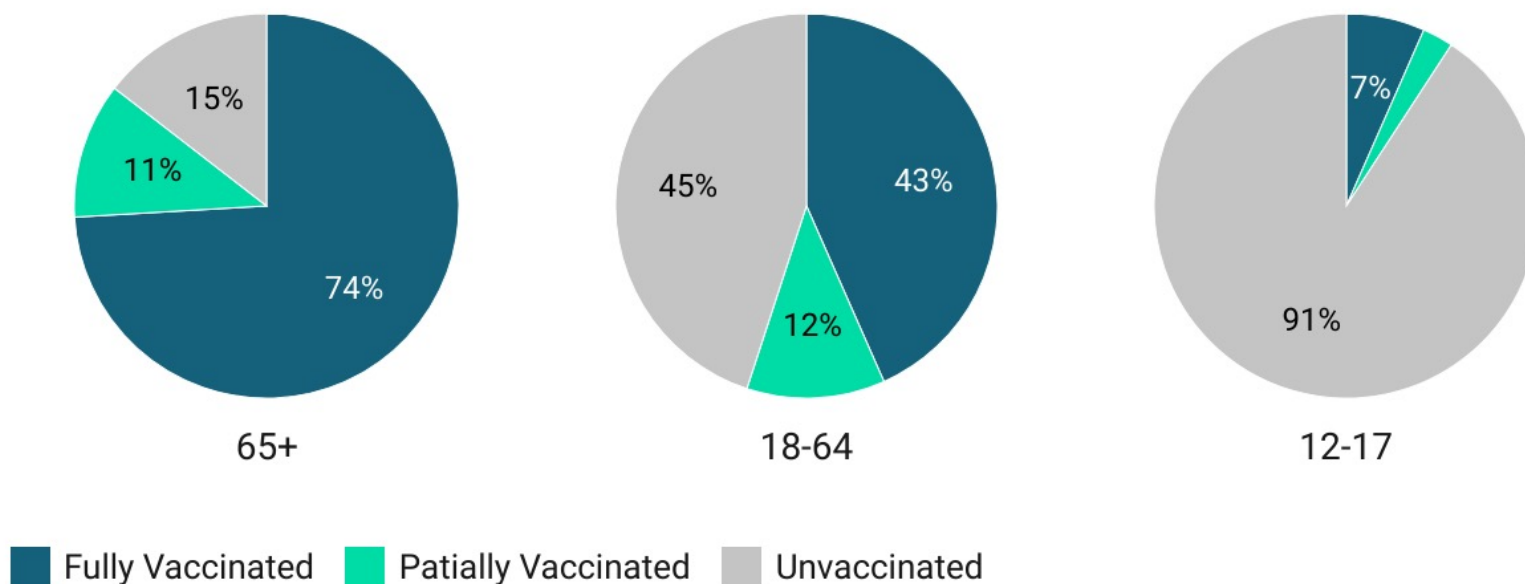


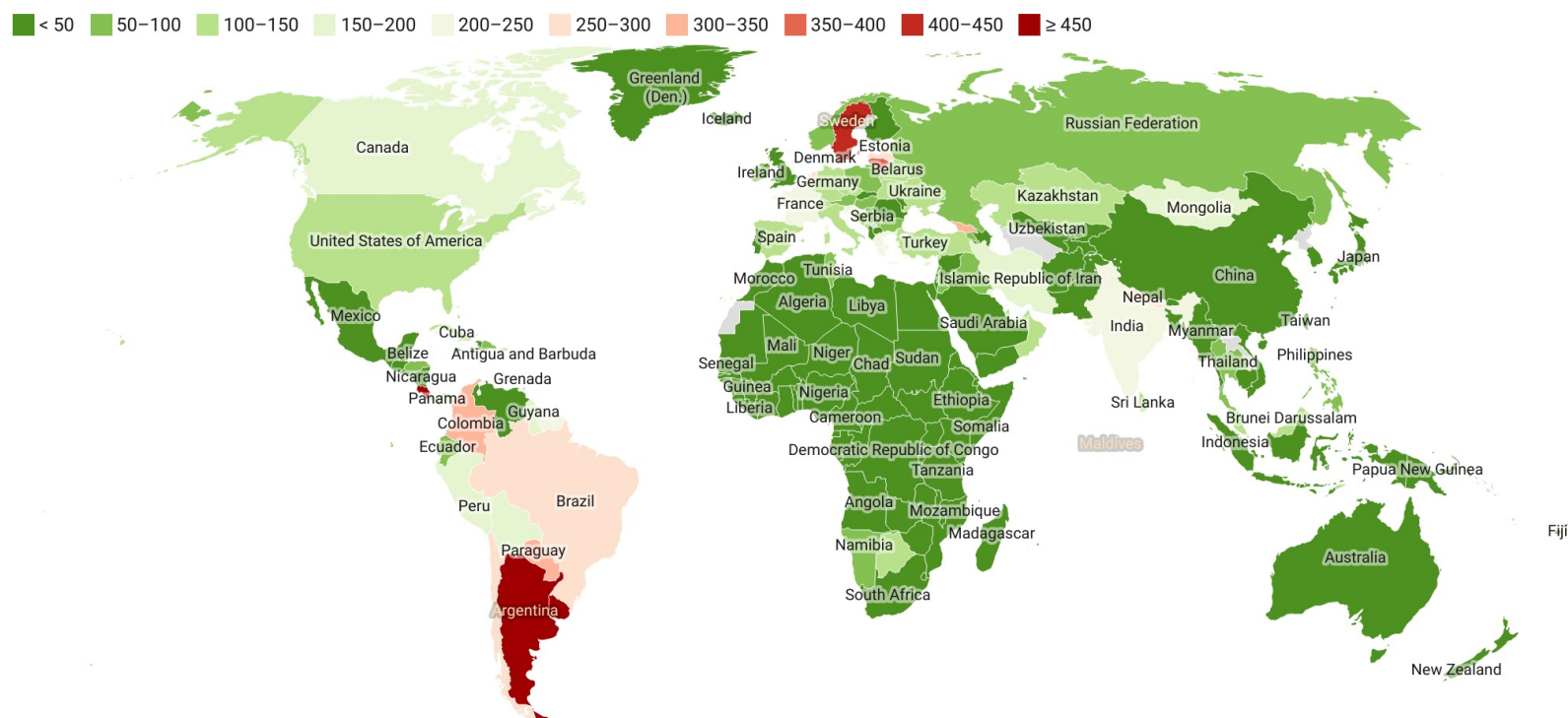
Chart: Health Industry Advisor LLC • Source: CDC • Created with Datawrapper

Newly Detected Cases / Million

New case rate per capita are highest in Latin America.

New Infections / Million

7-Day Moving Average, As of May 17



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

Covid-19 "Vital Signs"

Newly Detected Cases Per Day

*In the US, 7-day new case rate have been halved in the past three weeks.
Outside the U.S., new cases have increased each of the last two weeks.*

Newly Detected Cases

As of May 24

■ United States ■ Outside the US

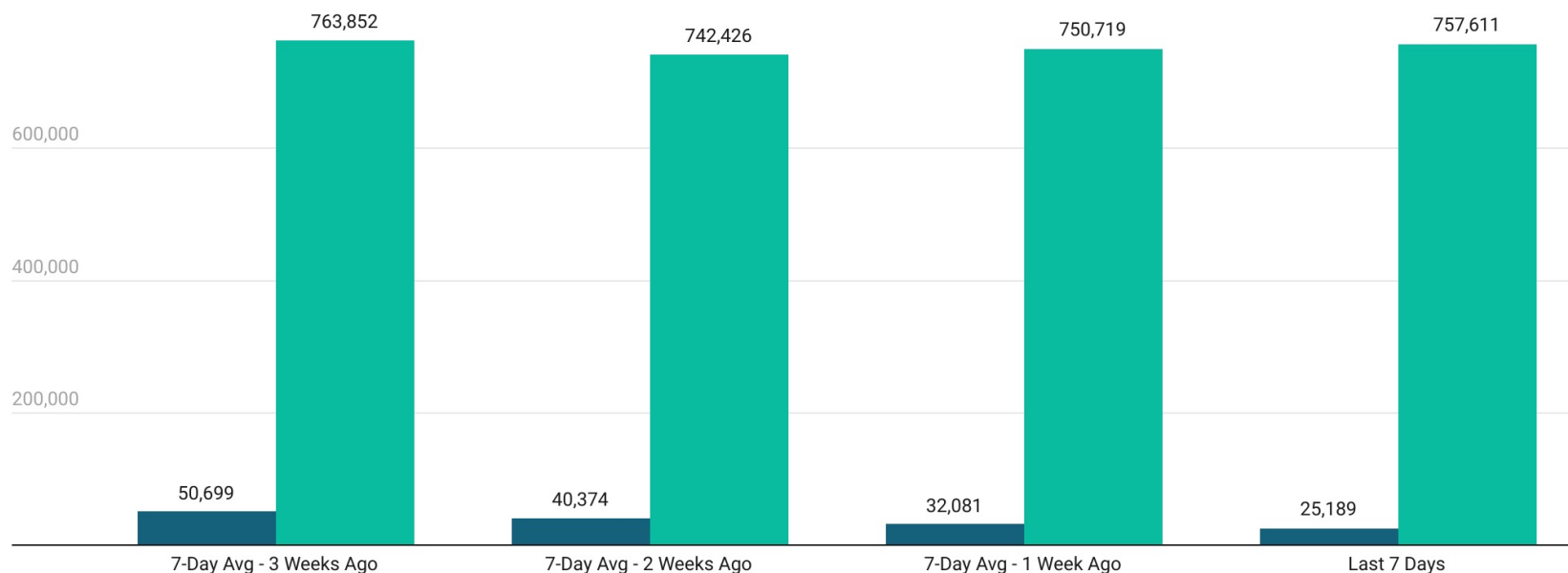


Chart: Health Industry Advisor LLC • Source: The Atlantic • Created with Datawrapper

Newly Detected Cases

New cases declined last week, falling to the lowest point since June 17.

Newly-Detected Cases / Million

7-Day Average

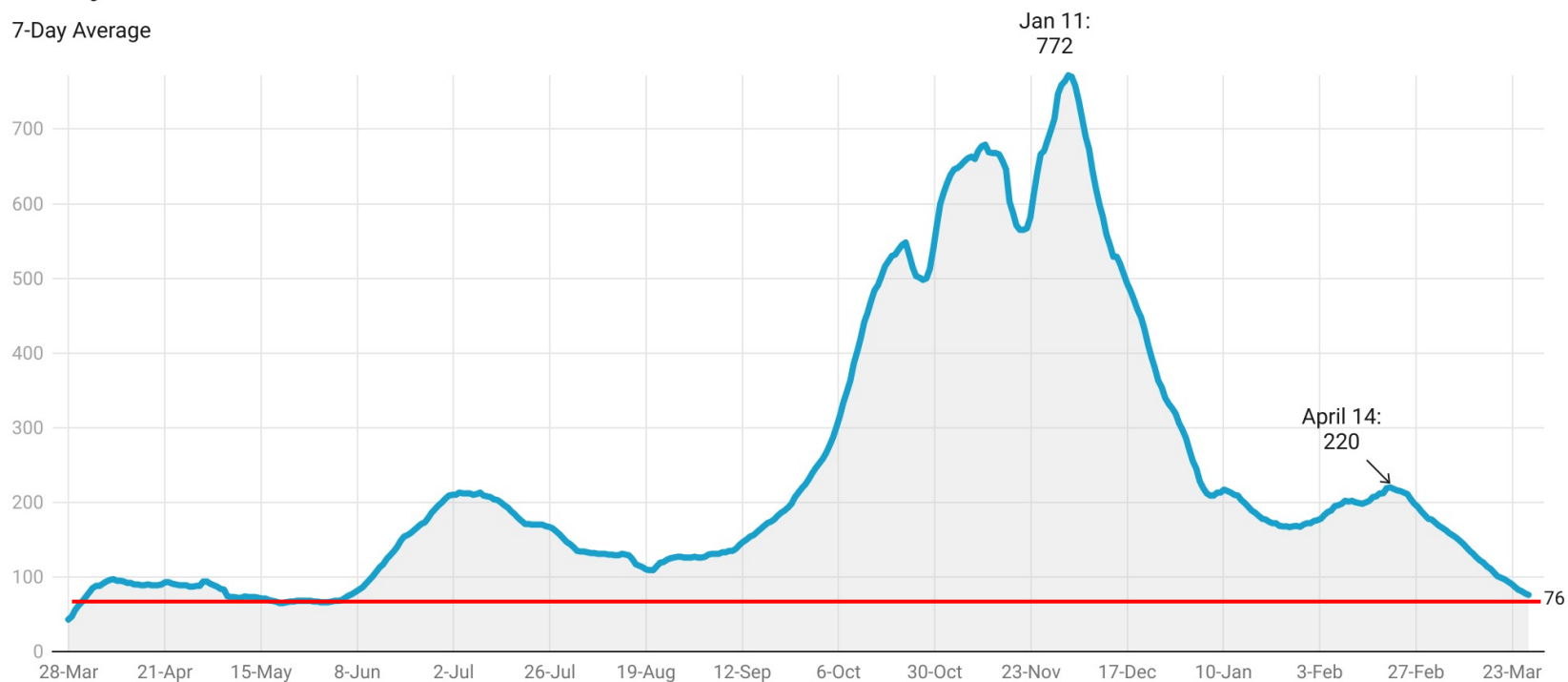


Chart: Health Industry Advisor LLC • Created with Datawrapper

Covid-19 “Vital Signs”

Estimated Daily Infections & New Case Rates

Estimated infections have dropped to the lowest level since March 11, 2020 – two days before the national emergency was declared.

Estimated Daily Infections v. Detected Cases

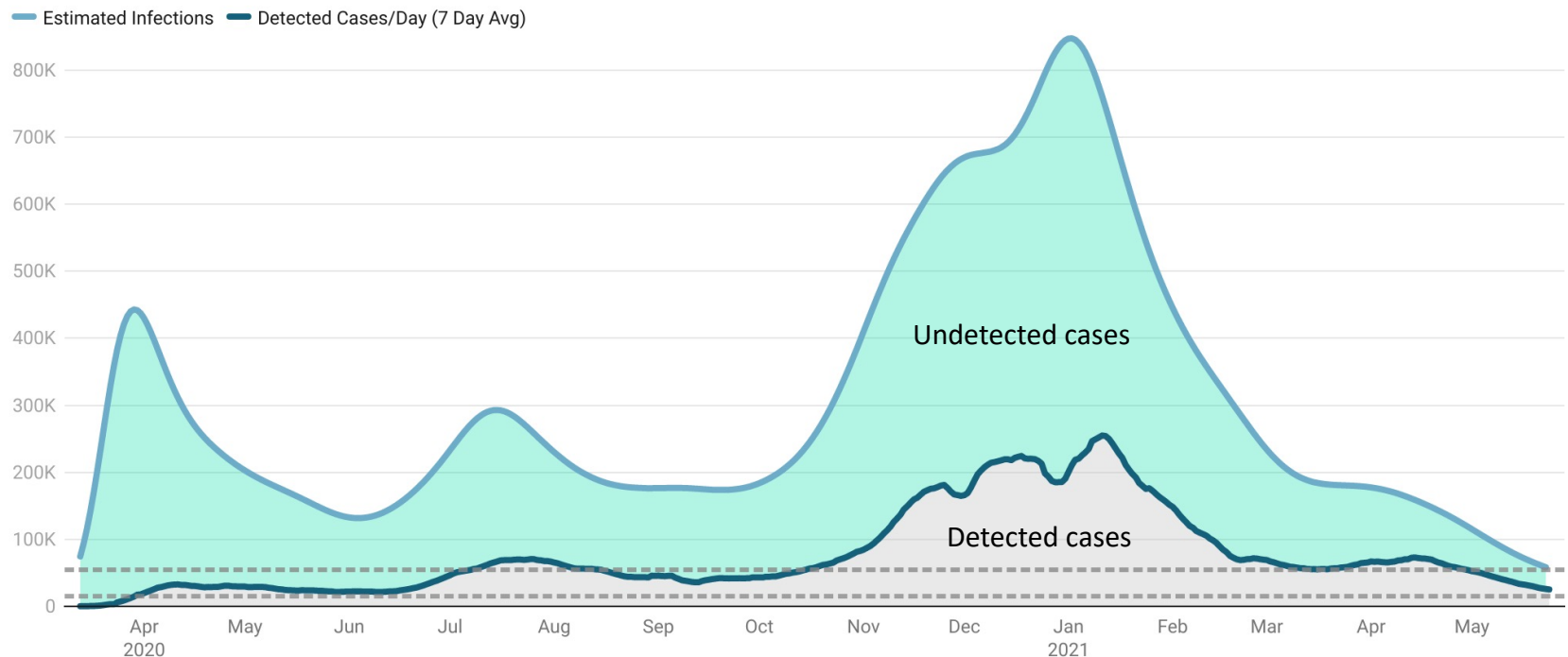


Chart: Health Industry Advisor LLC • Source: Yale School of Public Health • Created with Datawrapper

Covid-19 Inpatient Census

Covid-19 inpatient census has declined 11% in the last week and 34% in the last four weeks.

Hospitalized Covid-19 Patients

Compared to Same Day, Prior Weeks

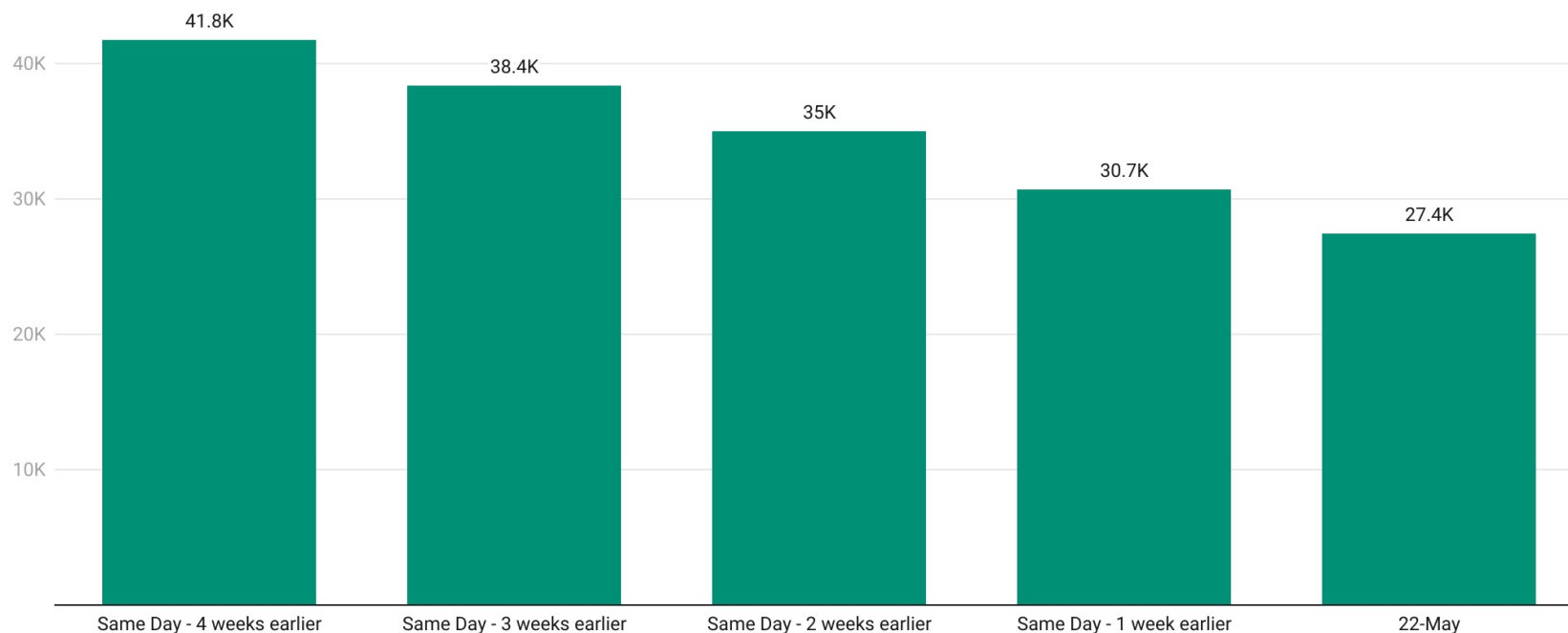


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Covid-19 "Vital Signs"

Covid-19 Inpatient Census

Covid-19 inpatient census has dropped to levels unseen since these data were reported back in July 2020.

Covid-19 Inpatient Census

Through May 22

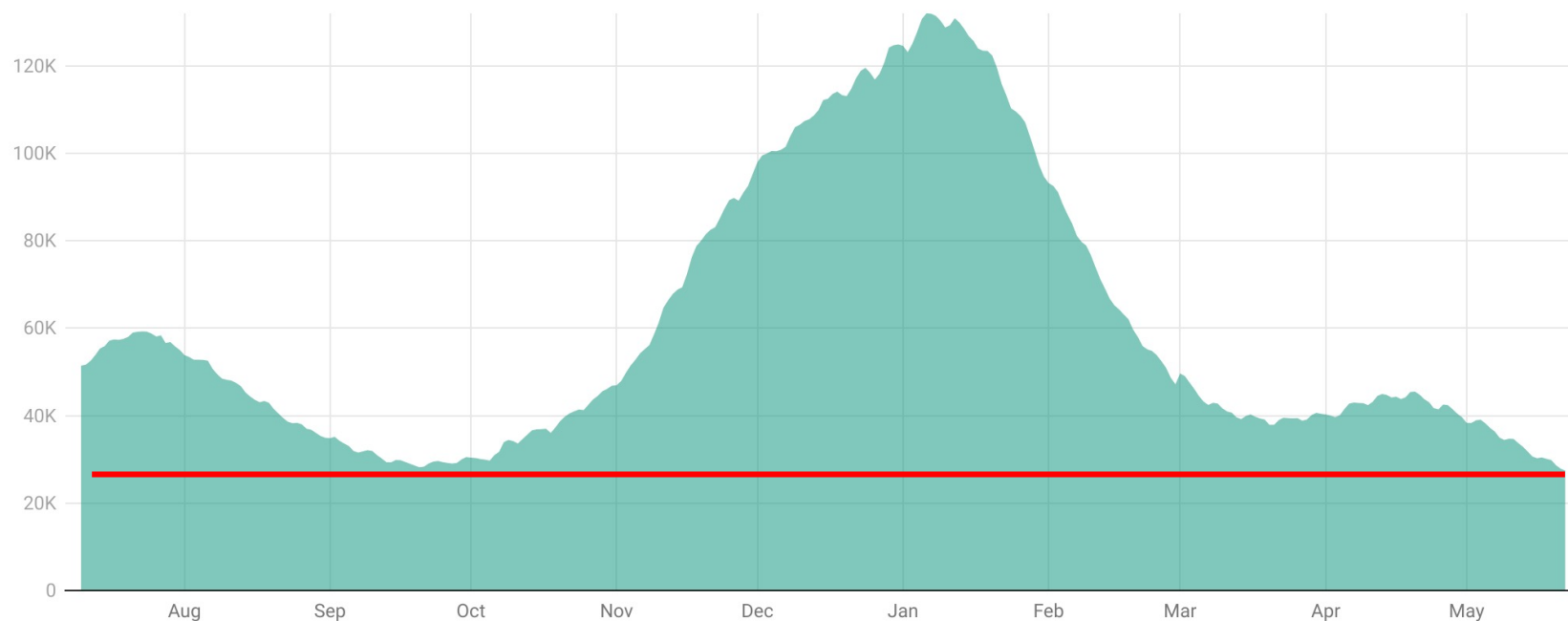


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Deaths Reported With Coronavirus

The 7-day death rate declined 11% week-over-week and 21% in the last three weeks.

Daily Deaths Reported With Coronavirus

As of May 24

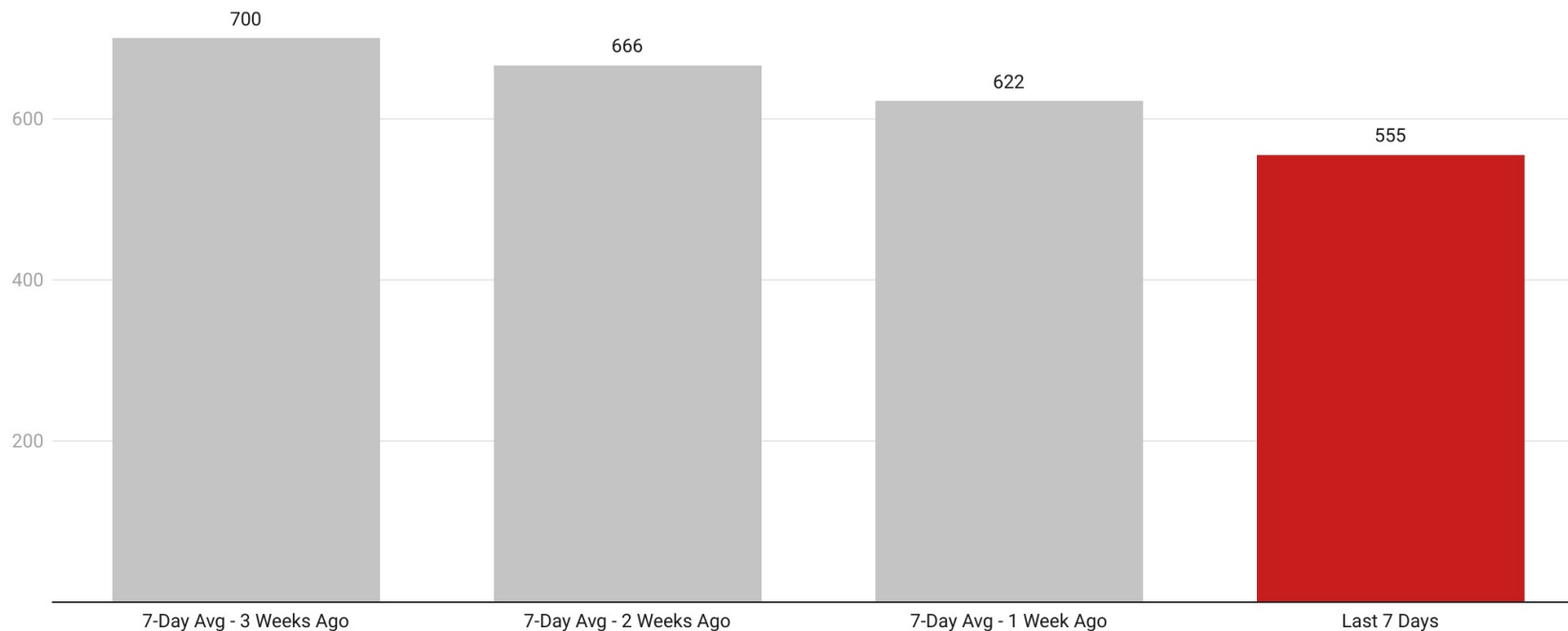


Chart: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

Covid-19 "Vital Signs"

Deaths With Coronavirus

The U.S. is reporting fewer deaths with coronavirus (7-day average) than all but three days since March 2020.

Deaths With Coronavirus

7-Day Average, Through May 24

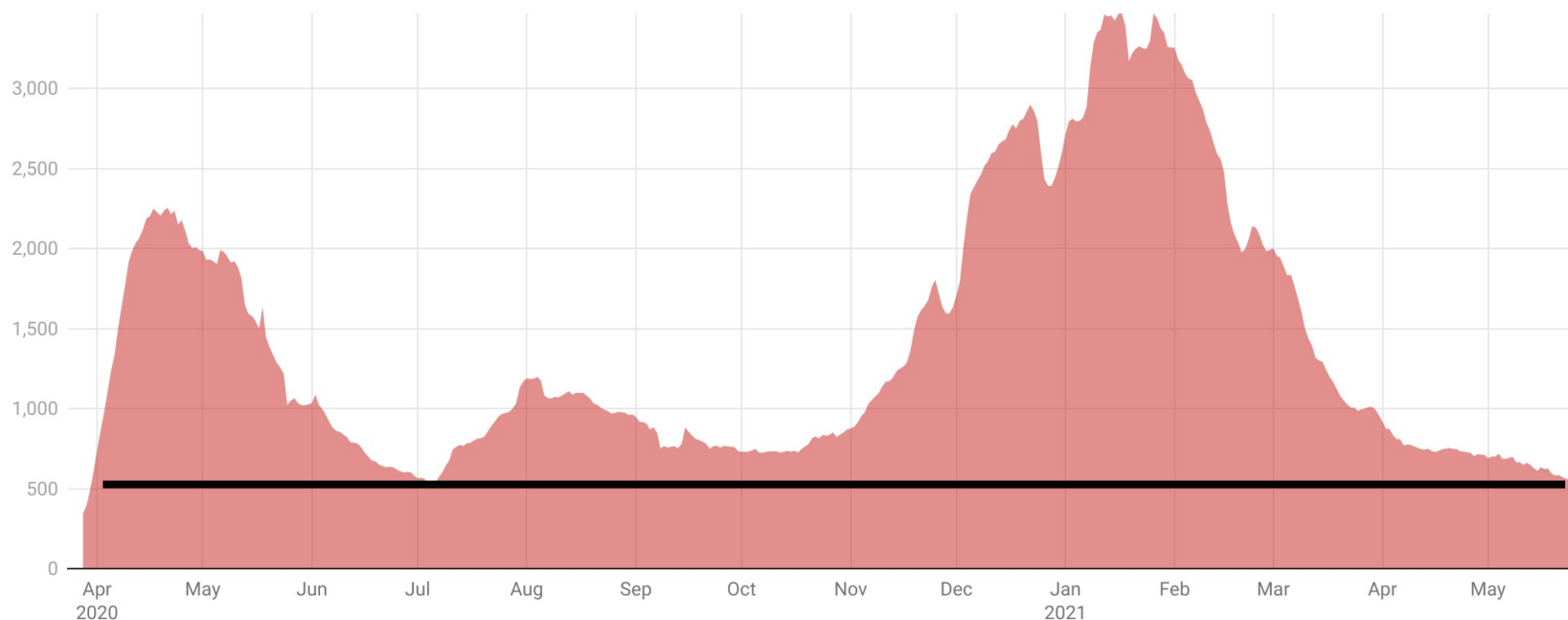


Chart: Health Industry Advisor LLC • Created with Datawrapper

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>