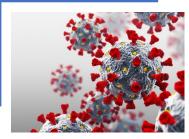


"Strategic Advice in an Era of Unprecedented Change"









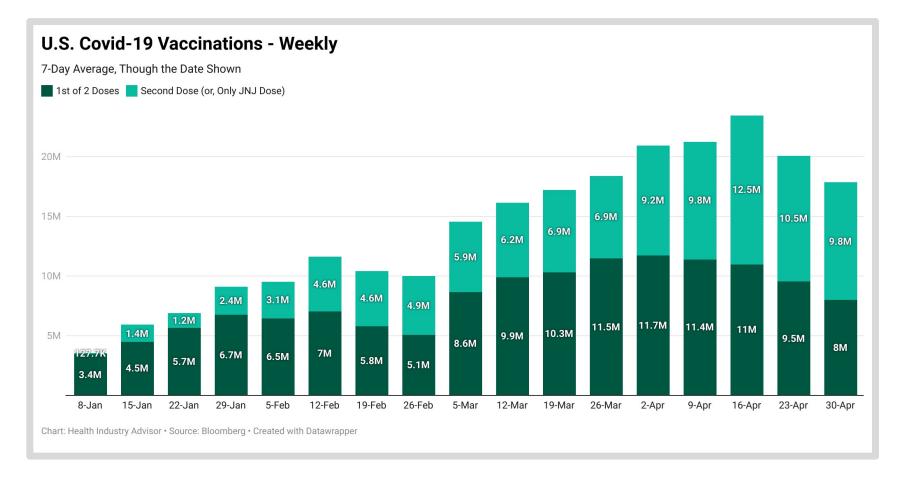
Covid-19 "Vital Signs"

Issue # 327 May 1, 2021



Vaccination Status - US

Fewer Americans sought a first dose vaccine last week than during each of the prior eight weeks. Second doses (or, sole JNJ doses) dropped from last week. Total doses were the lowest in six weeks.

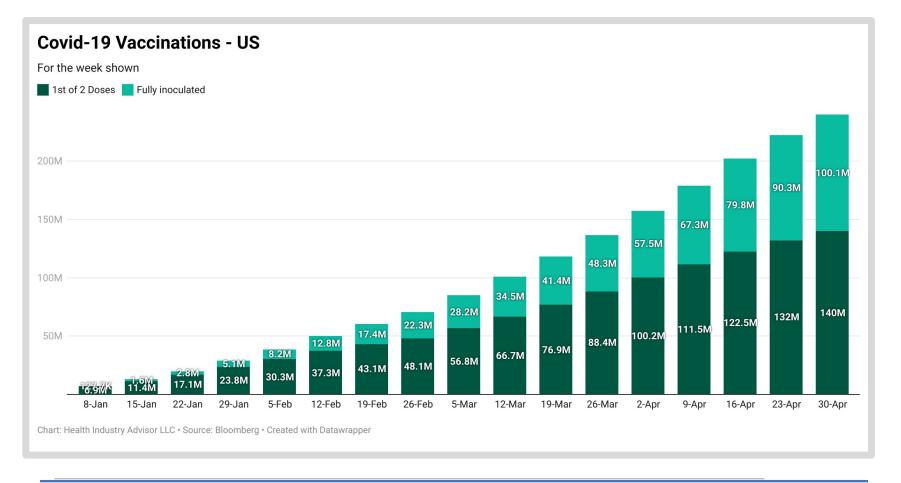






Vaccination Status - US

Vaccinations exceeded 240 million to-date. 55% of adults have received at least one dose and 39% are fully vaccinated. Among senior citizens, 82% have received at least one dose and nearly 69% are fully inoculated.

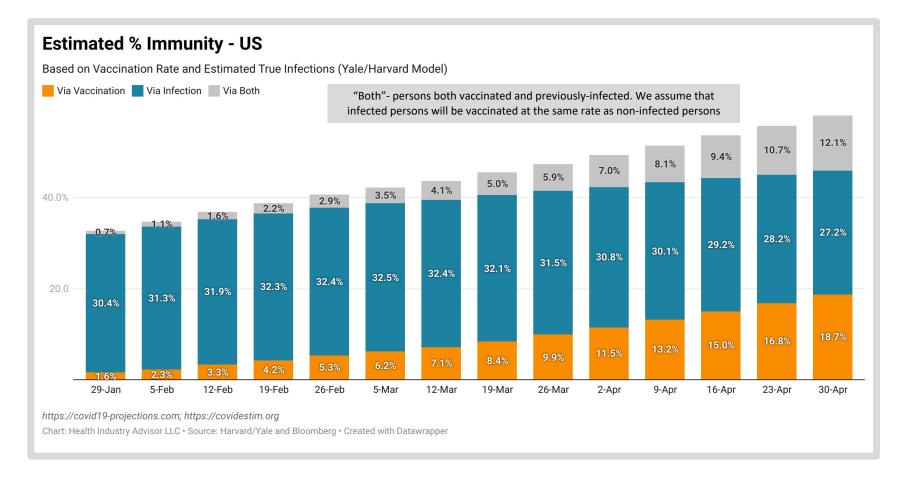






Estimated Immunity Status - US

Estimated immunity reached 58% of the US population. More than half is attributed to vaccination, including those immune via both vaccination and a prior infection.

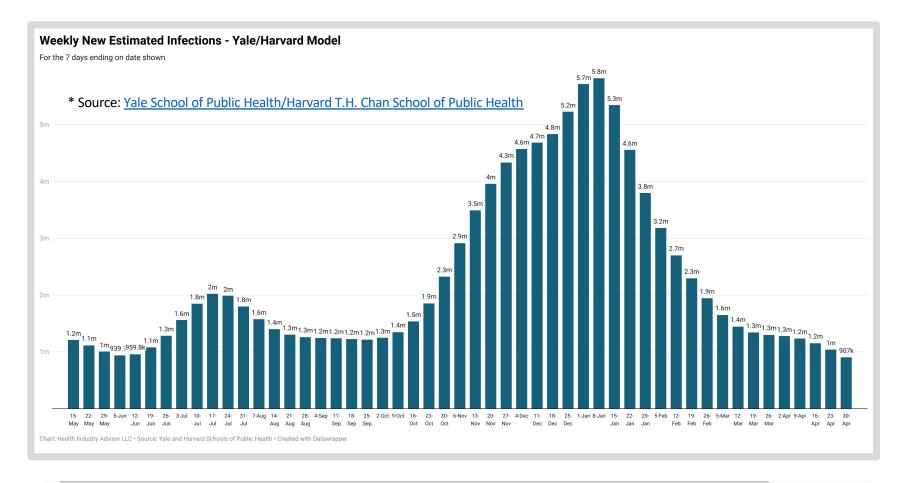






Estimated Actual Infections – Yale/Harvard Model

Estimated infections for the sixteenth straight week, falling below 1 million for the first time since last June. This latest estimate suggests that there may not have been a true fourth infection wave.

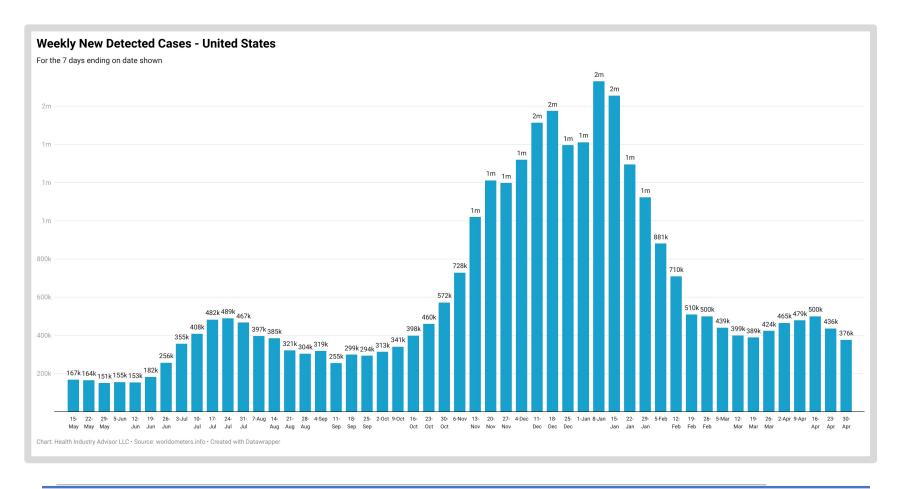






Newly Detected Cases

New cases declined last week, falling to the lowest point in six-and-one-half months.

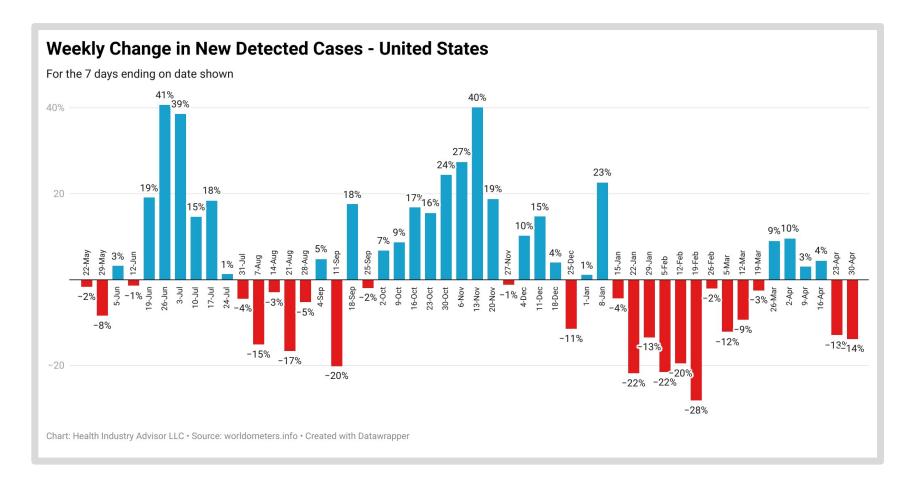






Weekly Change in Newly Detected Cases

The number of new cases fell sharply from last week.

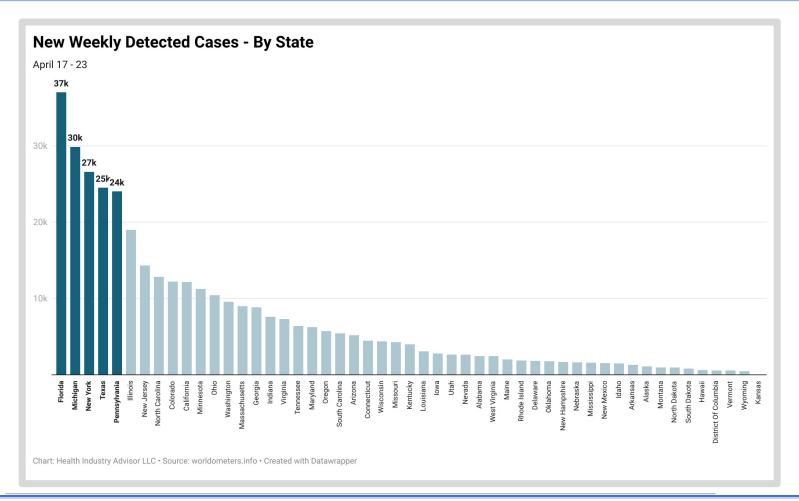






Newly Detected Cases - By State

Nearly 40% of all new cases in the past week were detected in just five states: Florida, Michigan, New York, Pennsylvania, and Texas.

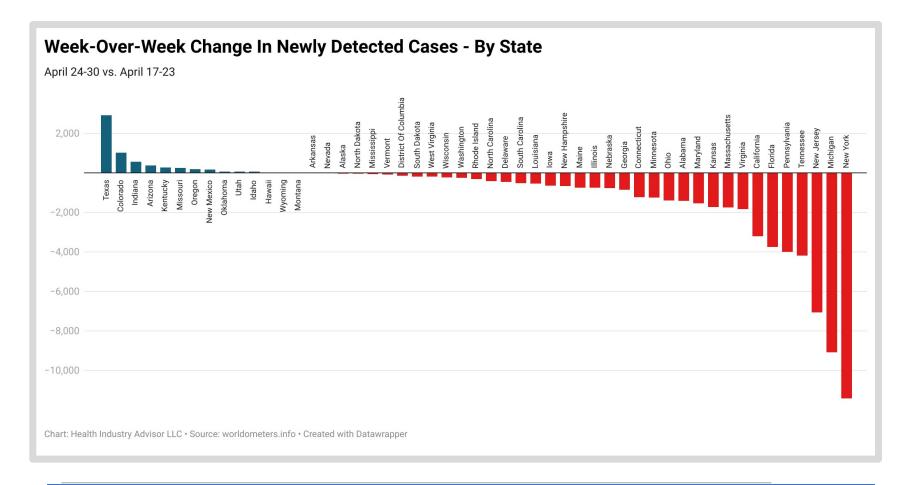






Week-Over-Week Change in Newly Detected Cases

Michigan saw nearly 12,000 fewer new cases this week than last. Indeed, most states experienced declining new cases week-over-week.

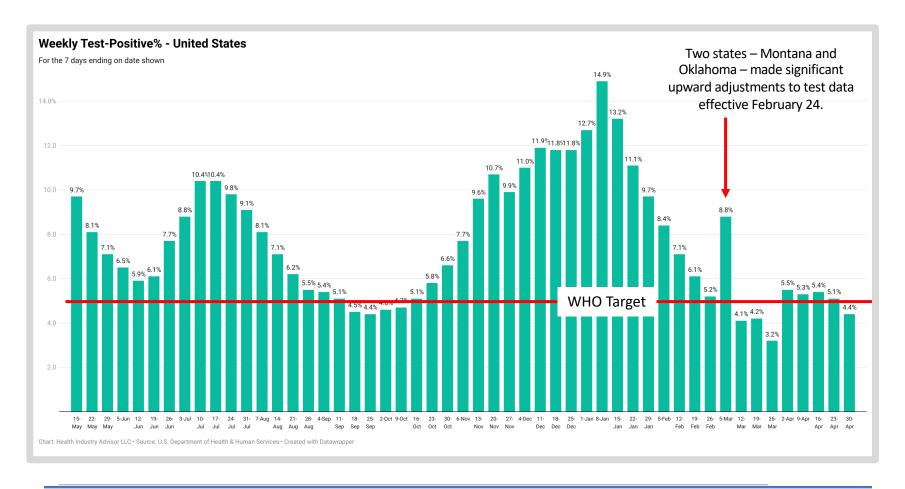






Covid-19 Testing

Test-positivity declined week-over week, dropping below the WHO recommended target.

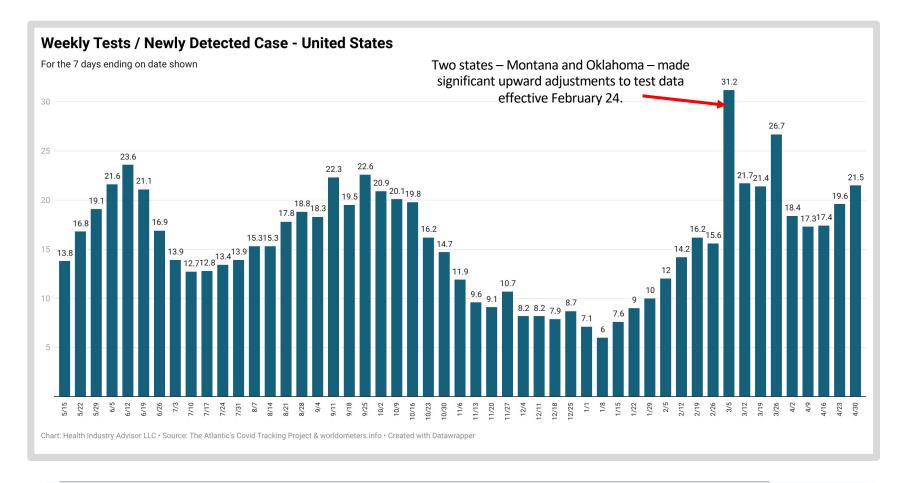




Covid-19 "Vital Signs"

Test Efficiency: Tests Per Case Detected

Test efficiency improved week-over-week.

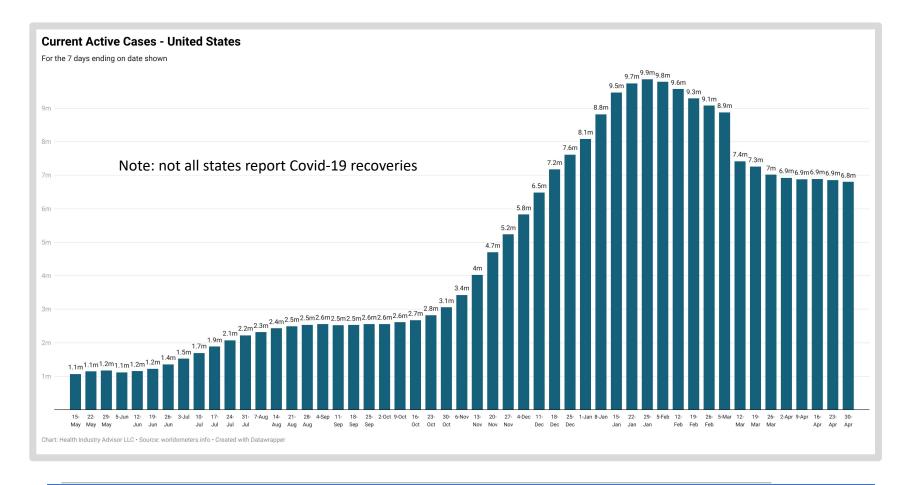






Active Cases

The number of Active Cases declined slightly last week.

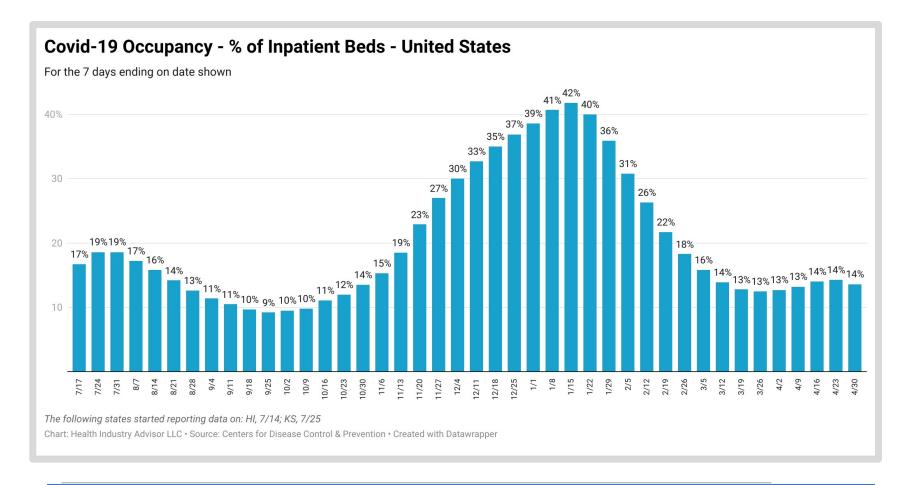






Covid-19 Hospital Occupancy

Covid-19 occupancy dropped last week yet remains about where it has been for the last seven weeks. The current Covid-19 census is one third of where it was at peak.

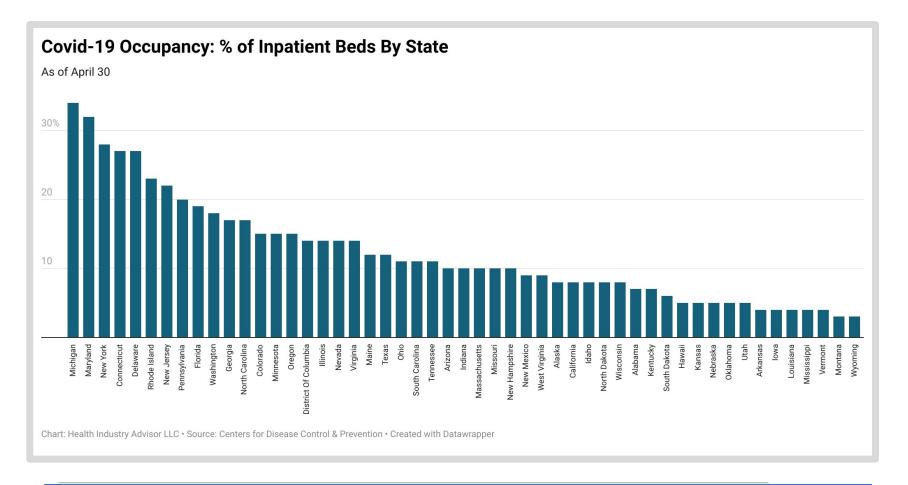




Covid-19 "Vital Signs"

Covid-19 Hospital Occupancy

Maryland and Michigan are the only states where Covid-19 patients occupy three of every ten inpatient beds. In Connecticut, Delaware, and New York, Covid-19 patients occupy more than 25% of inpatient beds.

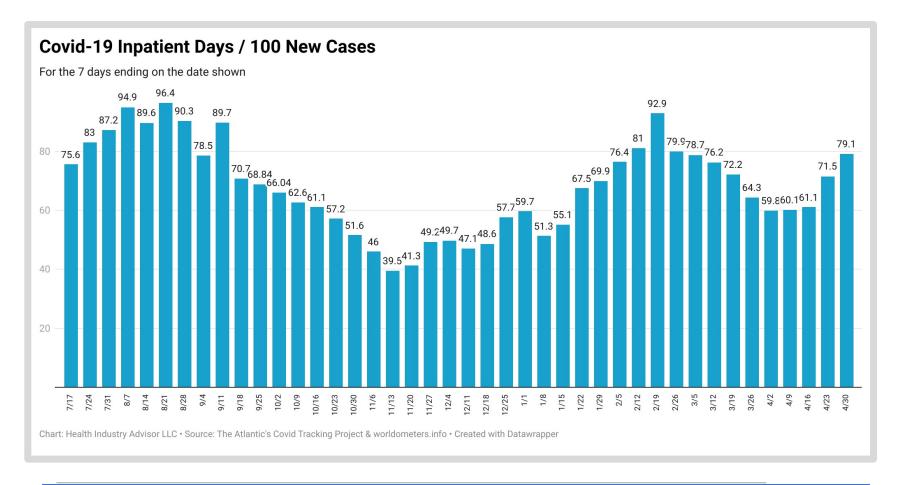






Covid-19 Patient Days / 100 New Cases

Hospitalization rates jumped week-over-week, likely due to patient stays from earlier infections and declining new cases.

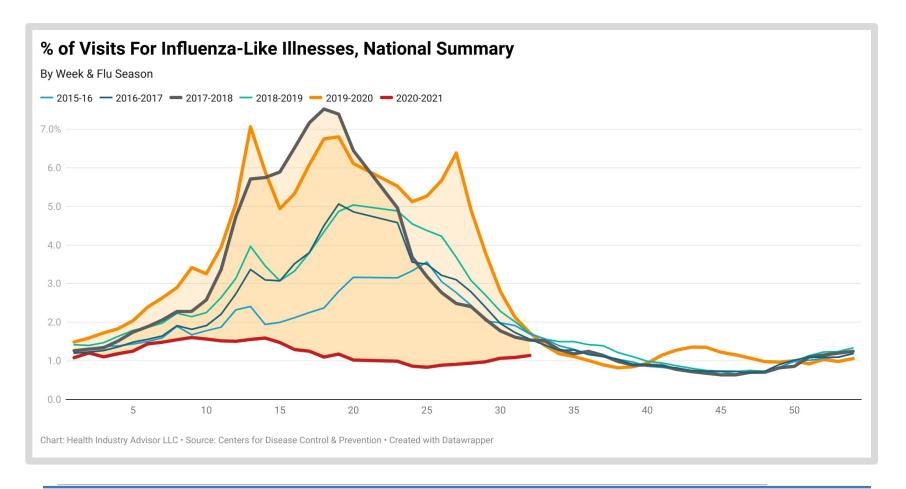






% of Visits Relating to Influenza

The United States avoided the typical flu season this year.

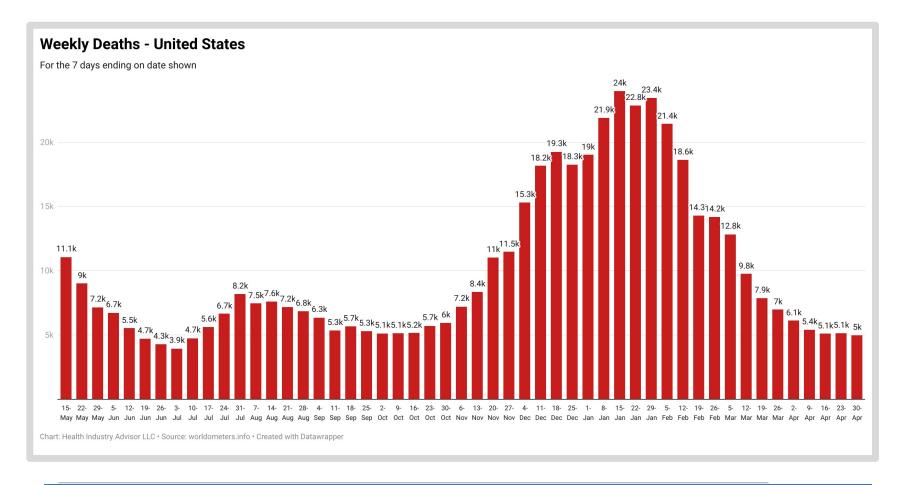






Deaths With Coronavirus

Deaths with coronavirus declined slightly this week. The weekly death rate is as low as it has been in more than nine months.







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

