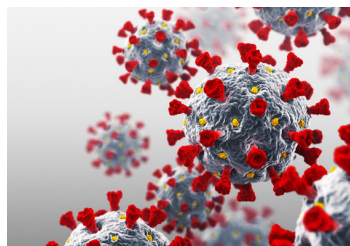


Covid-19 "Vital Signs"

Issue # 306

March 24, 2021



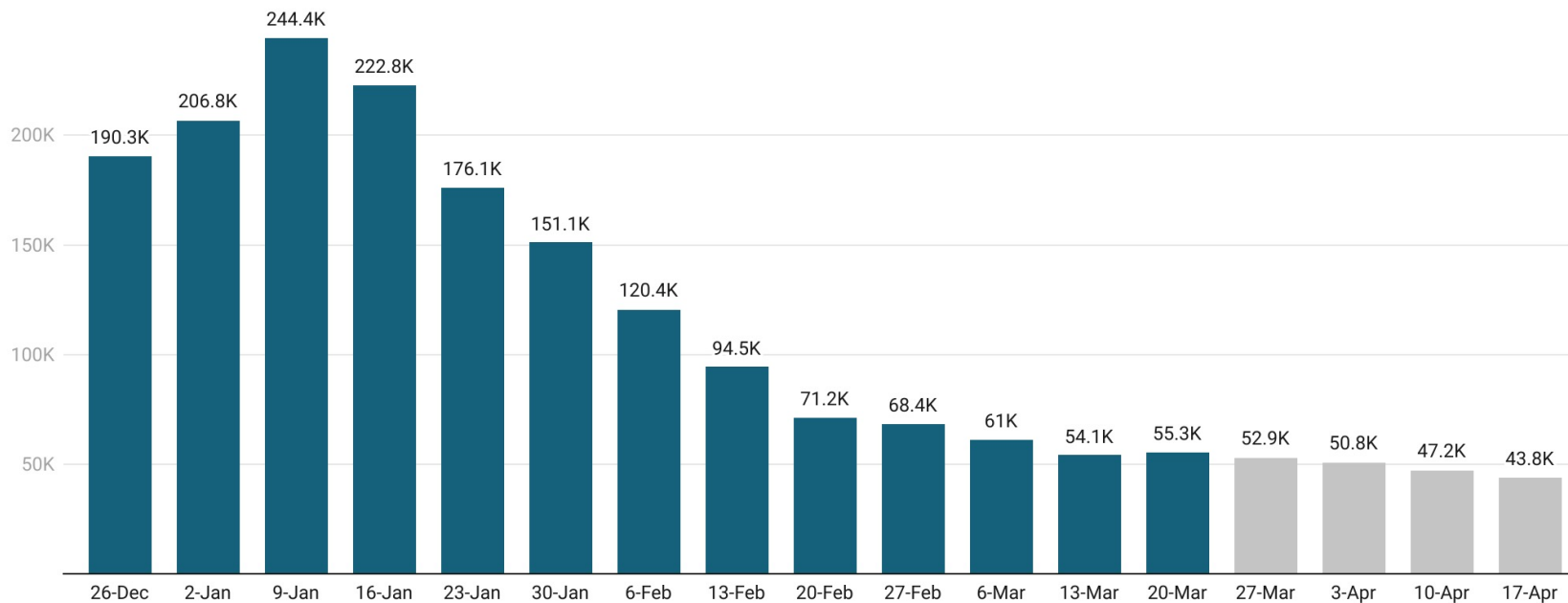
Covid-19 "Vital Signs"

Covid-19 Cases: Ensemble Forecast

The most recent ensemble forecast projects that new daily cases will drop gradually over the next four weeks.

Newly-Detected Cases Per Day

Covid-19 Forecast Hub, Composite Forecast As of March 23



For the week ending on the date shown

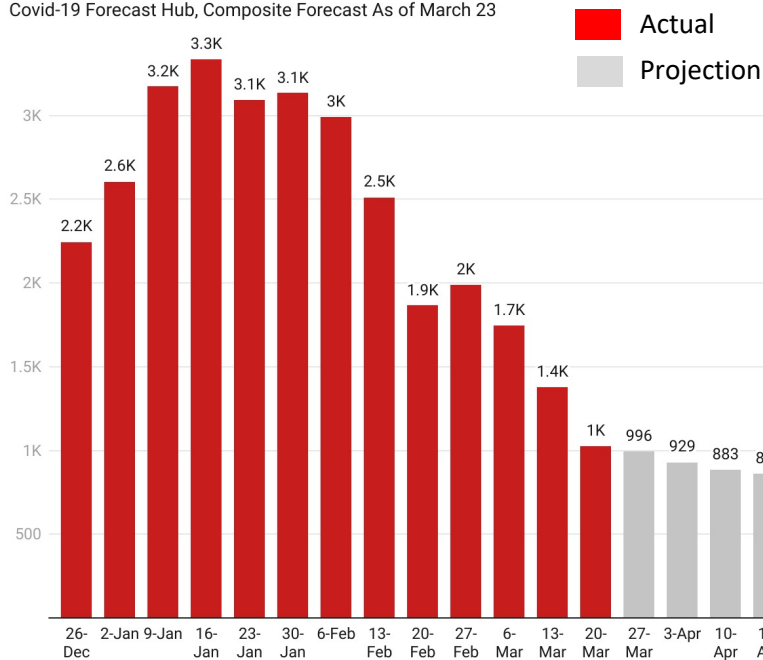
Chart: Health Industry Advisor LLC • Source: Covid-19 Forecast Hub • Created with Datawrapper

Death Projections – Ensemble Forecast

The most recent ensemble forecast projects that deaths will drop gradually over the next four weeks.

Newly-Reported Deaths Per Day

Covid-19 Forecast Hub, Composite Forecast As of March 23

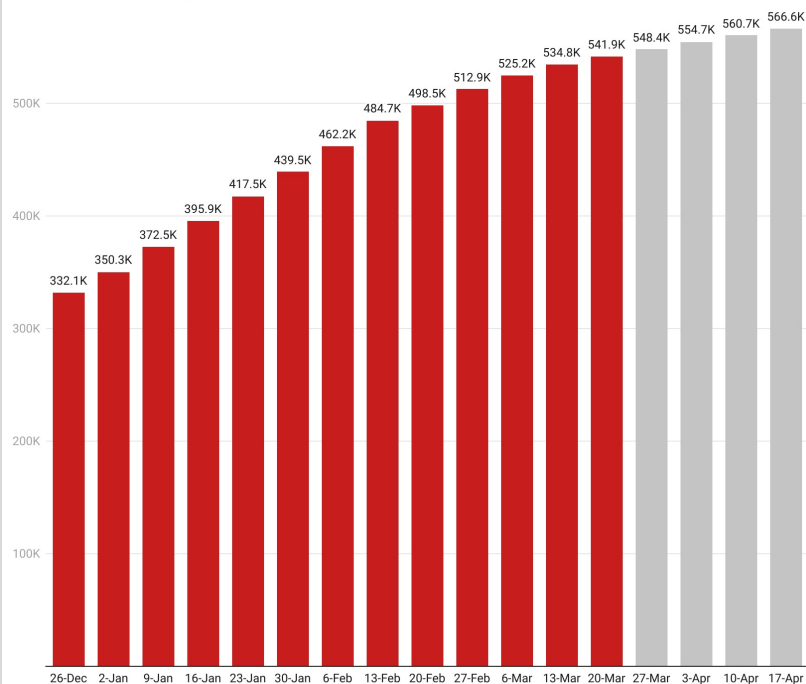


For the week ending on the date shown

Chart: Health Industry Advisor LLC • Source: Covid-19 Forecast Hub • Created with Datawrapper

Cumulative Deaths

Covid-19 Forecast Hub, Composite Forecast As of March 16



For the week ending on the date shown

Chart: Health Industry Advisor LLC • Source: Covid-19 Forecast Hub • Created with Datawrapper

<https://viz.covid19forecasthub.org>

Covid-19 "Vital Signs"

Estimated Infections IHME Projection

IHME's latest infection forecast tracks closely with its prior forecasts. By April 19th, projected new daily infections drop to the lowest point since early March 2020. By June 1st, to the lowest point since February 2020.

Estimated & Projected New Covid-19 Infections

Date shown is date of forecast

17-Mar 11-Mar 6-Mar 25-Feb 20-Feb

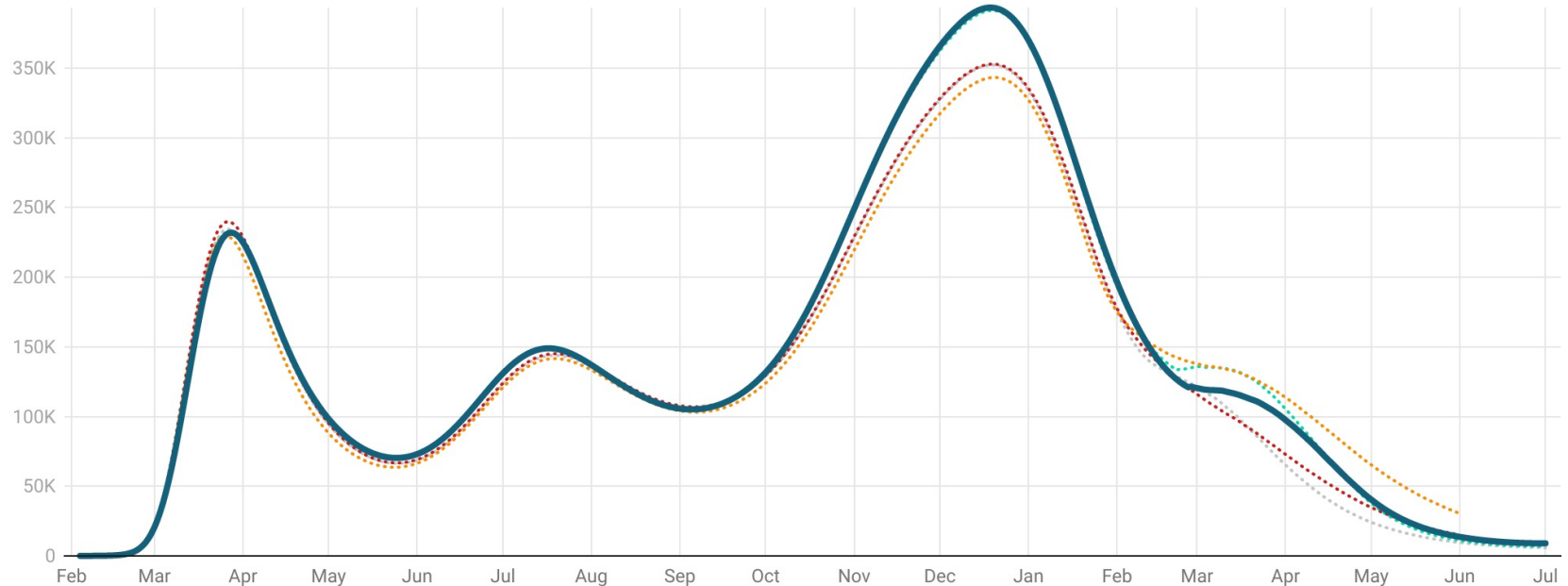


Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Covid-19 "Vital Signs"

Covid-19 Inpatient Admissions – IHME Projections

By April 26th, IHME estimates Covid-19 admissions drop to the lowest point since mid-March 2020.

Estimated & Projected Covid-19 Admissions

Date shown is date of forecast

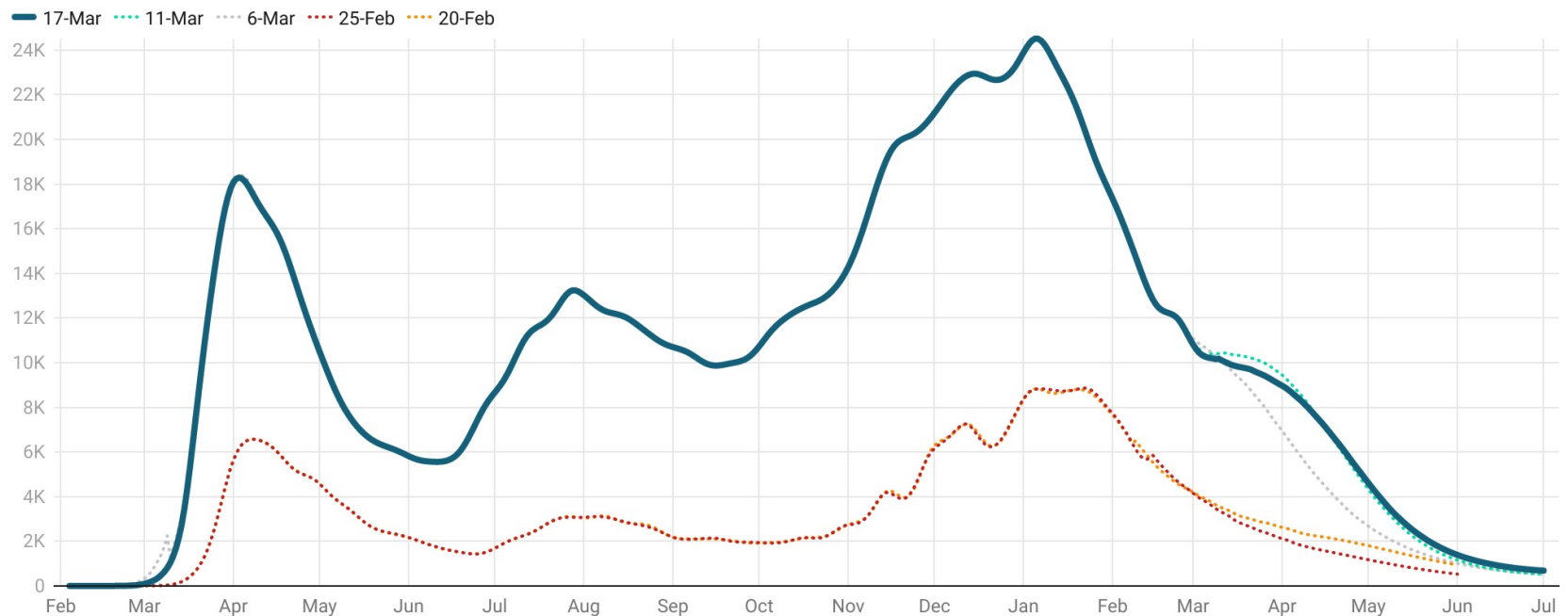


Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Covid-19 "Vital Signs"

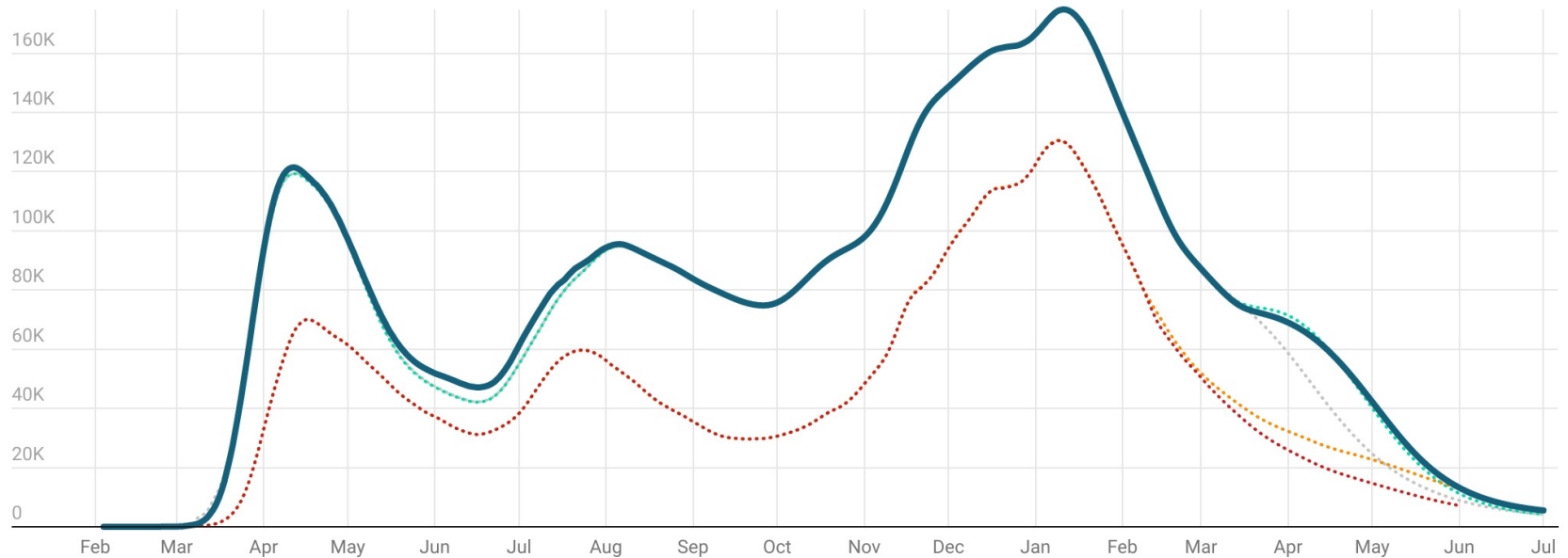
Covid-19 Inpatients – IHME Projections

By April 27th, IMHE estimates Covid-19 inpatient days drop to the lowest point since mid-June 2020. By June 1st, to the lowest point since mid-March 2020.

Estimated & Projected Covid-19 Inpatient Days

Institute for Health Metrics & Evaluation

17-Mar 11-Mar 6-Mar 25-Feb 20-Feb



Date reflects date forecast was published

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

Covid-19 "Vital Signs"

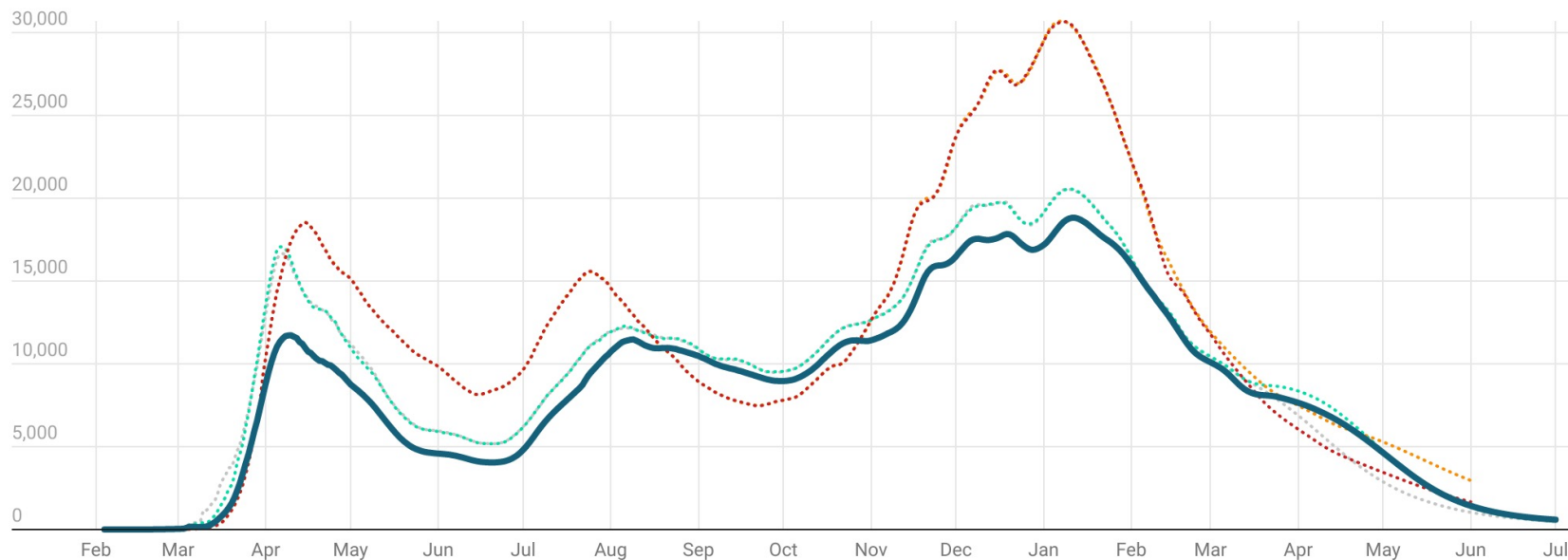
Covid-19 ICU Days – IHME Projections

By May 6th, IMHE estimates Covid-19 ICU days drop to the lowest point since mid-June 2020. Bu June 1st, the lowest since mid-March 2020.

Estimated & Projected Covid-19 ICU Days

Institute for Health Metrics & Evaluation

17-Mar 11-Mar 6-Mar 25-Feb 20-Feb



Date reflects date forecast was published

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

By May 16th, IHME projects daily deaths with Covid-19 drop to the lowest point since the end of June 2020. By June 1st, the lowest point since late-March 2020.

Estimated & Projected Deaths With Coronavirus

Date shown is date of forecast

17-Mar 11-Mar 6-Mar 25-Feb 20-Feb

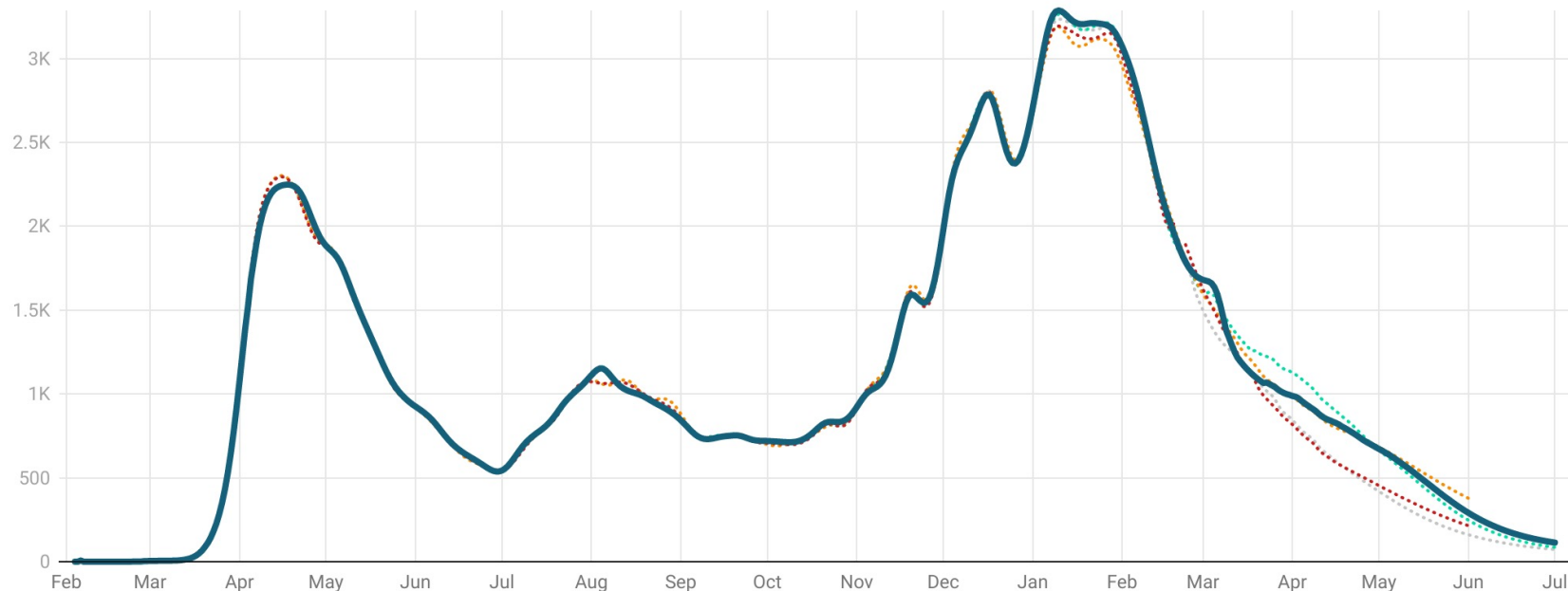
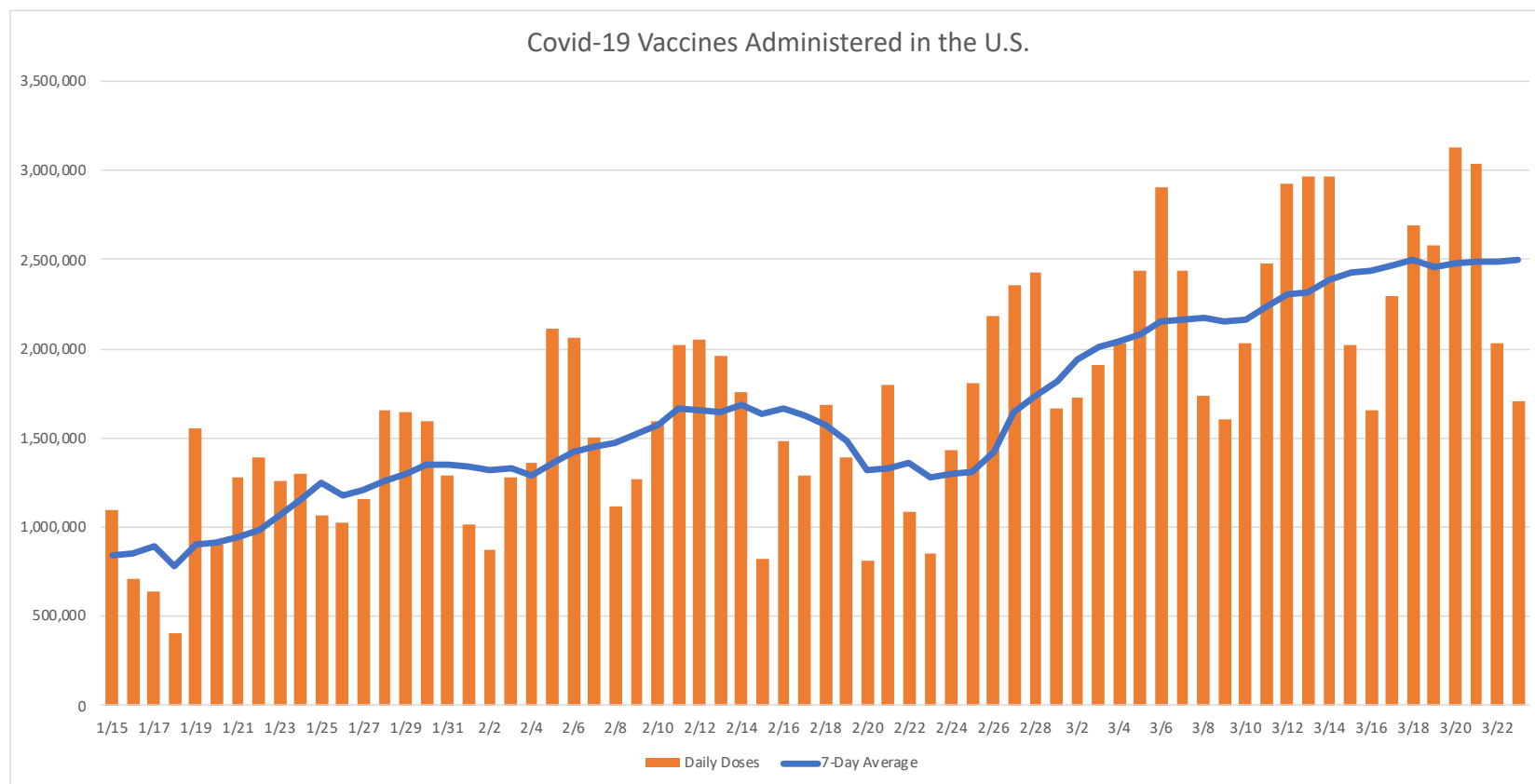


Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Pace of Vaccinations

The vaccination pace stabilized over the past week, averaging 2.5 million daily doses.



Covid-19 "Vital Signs"

Vaccine Tracking

To date, the US has administered 128 million doses, with 45million people fully inoculated – 17.6% of the adult population.

Vaccine Tracking

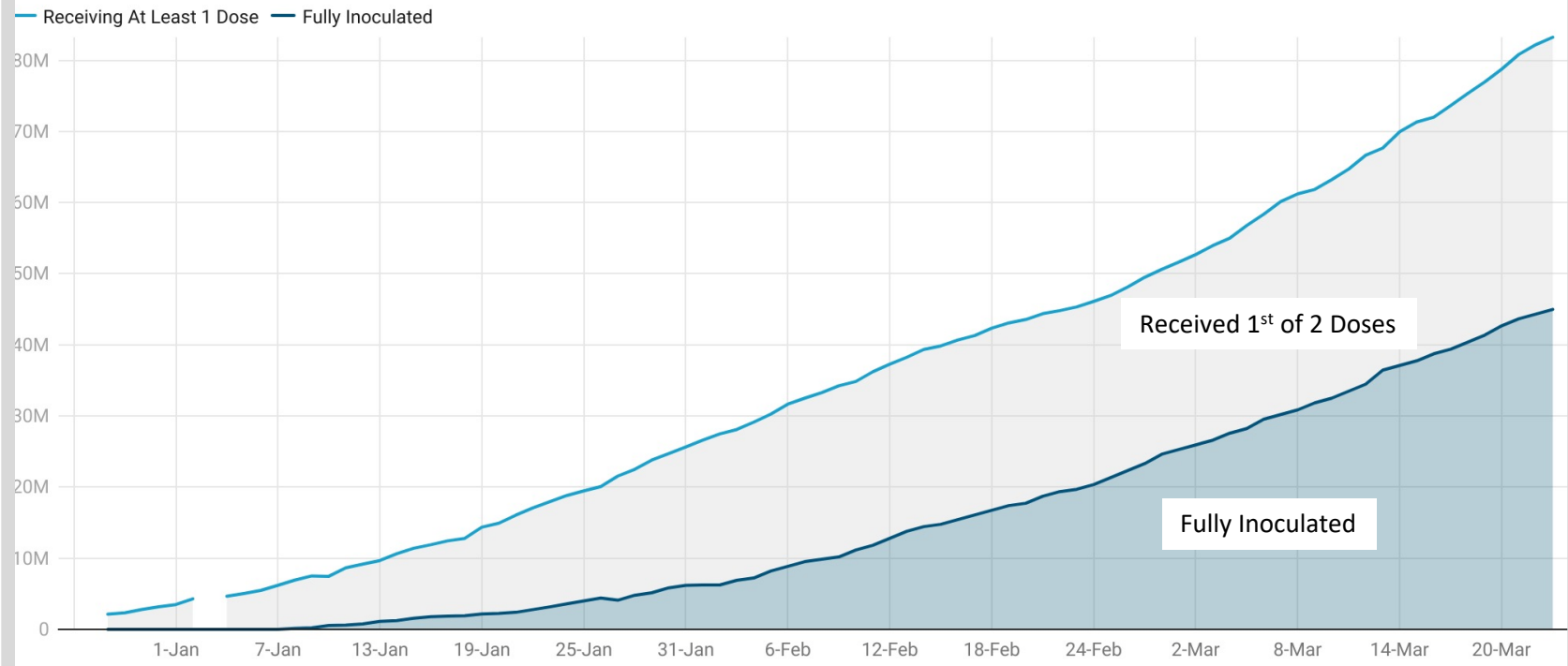


Chart: Health Industry Advisor LLC • Source: Bloomberg • Created with Datawrapper

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

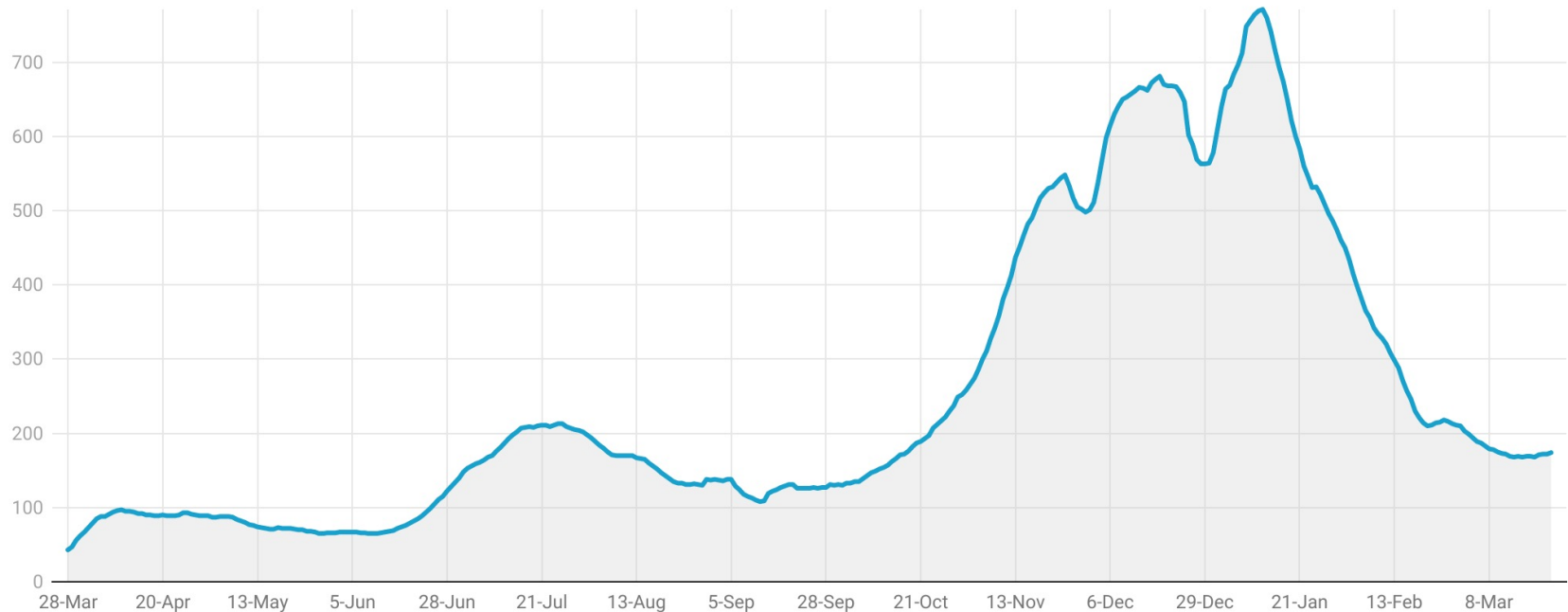
Covid-19 "Vital Signs"

Newly Detected Cases / Million - US

Newly detected cases (7-day average) stabilized over the past week – at a relatively high level.

Newly Detected Cases / Million

7-Day Average



Source: worldometers.info • Created with Datawrapper

Covid-19 "Vital Signs"

Test-Positivity Rate

Less than one week ago, the 7-day test-positivity rate reached its lowest point since the pandemic began before moving up slightly in the last few days . However, this rate remains strong by historical levels.

Test-Positivity %

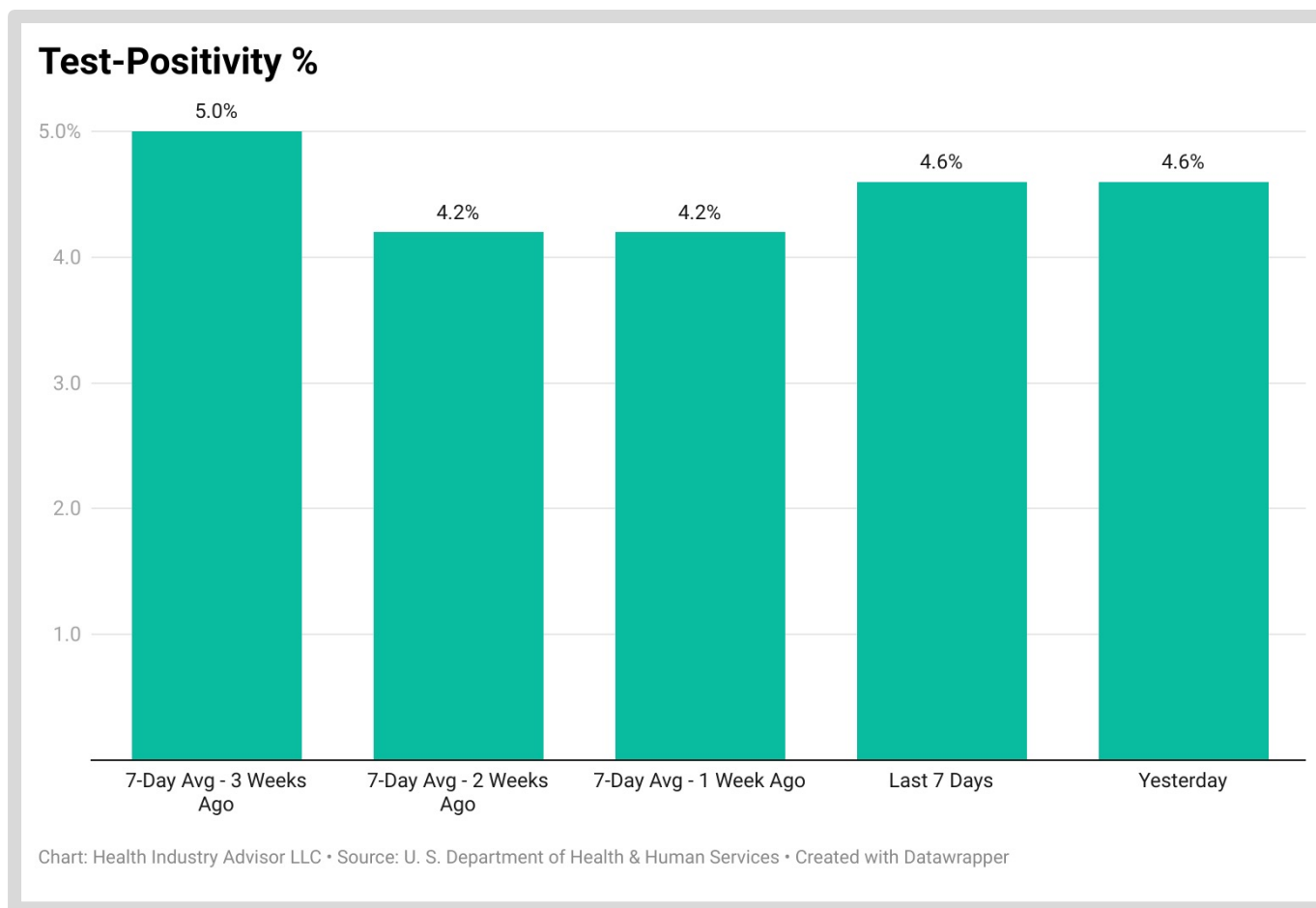
7-Day Average



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

Test-Positivity Rate

The test-positivity rate increased slightly last week yet, remains below the suggested WHO target

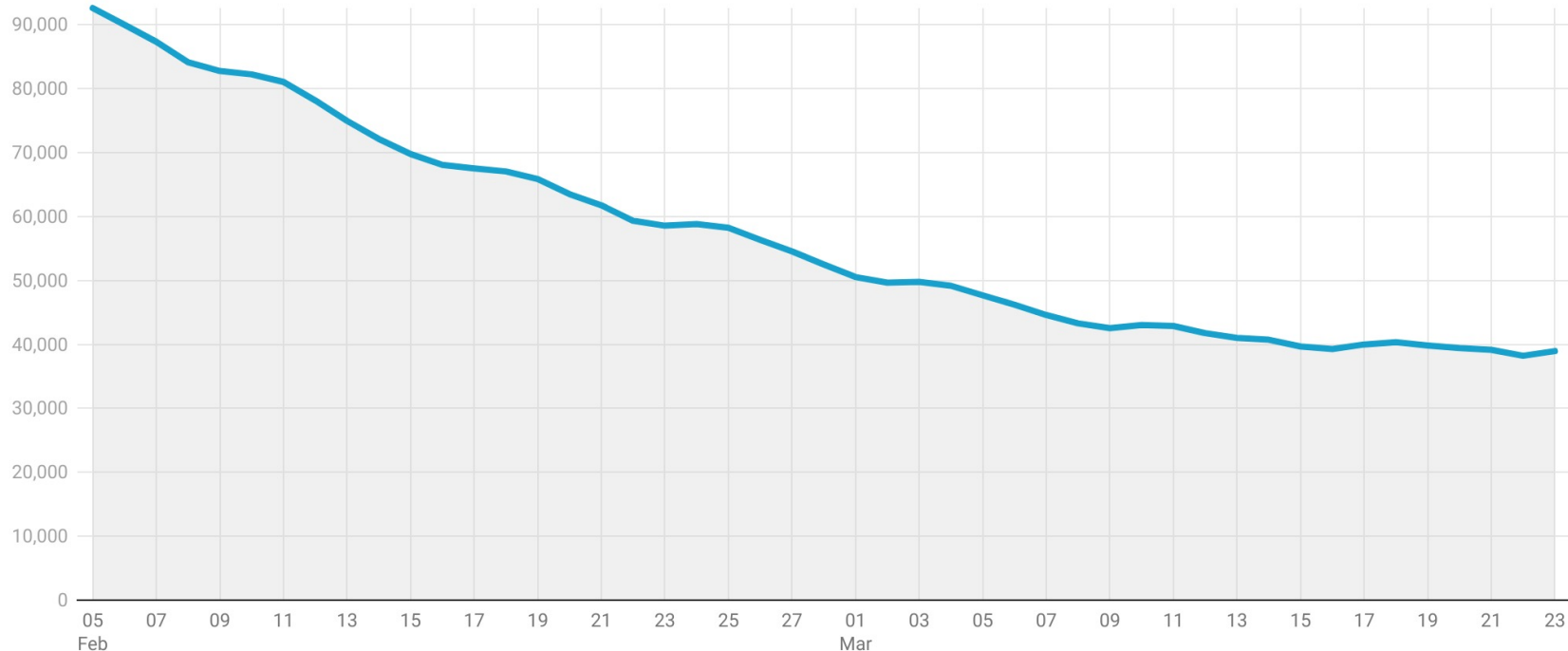


Covid-19 "Vital Signs"

Covid-19 Inpatient Census

Covid-19 inpatient census has declined steadily since early February, when the Department of Health & Human Services began tabulating these data (a 58% decline in six-and-one-half weeks).

Covid-19 Inpatient Census



Source: U.S. Department of Health & Human Services • Created with Datawrapper

Covid-19 Inpatient Census

Covid-19 inpatient census dropped only 1% from last week, after falling 8% to 15% during the previous three weeks.

Covid-19 Inpatient Census

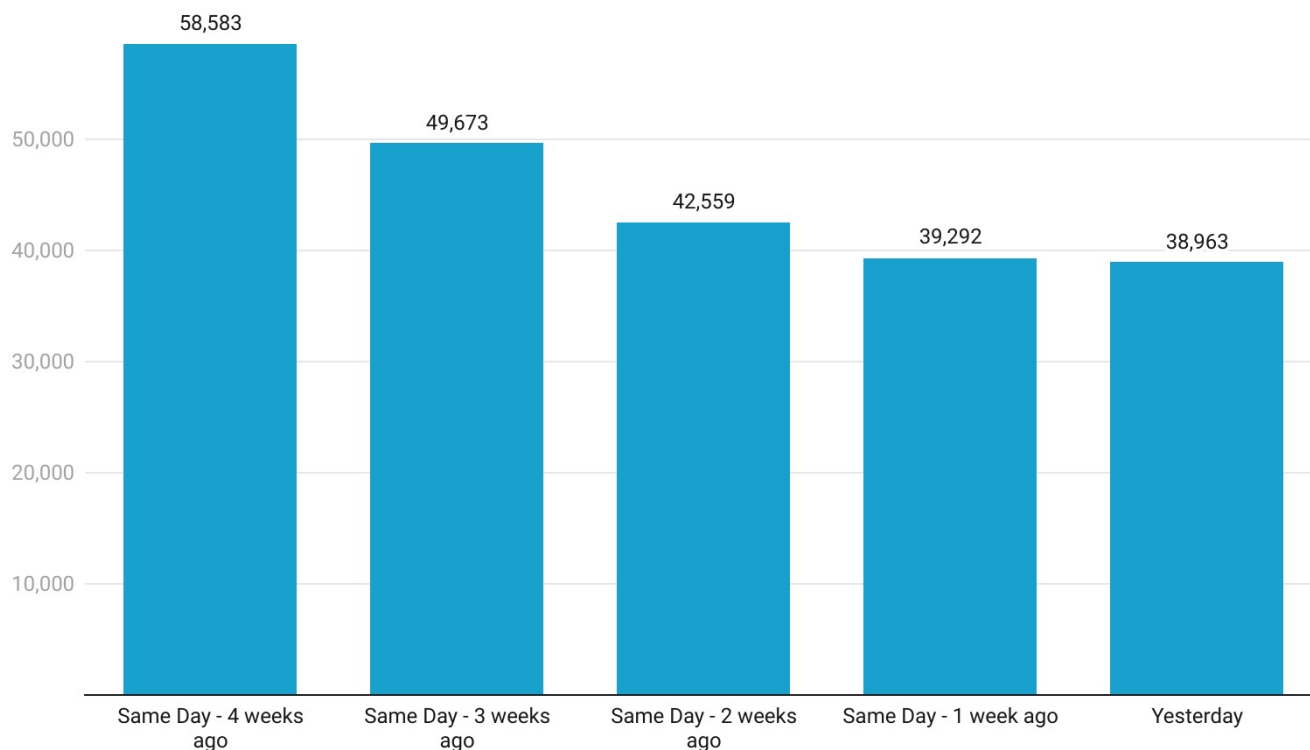


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Covid-19 "Vital Signs"

Deaths With Coronavirus

Deaths with coronavirus (7-day average) have declined by 70% since a peak in late January. This rate is lower than at any time in the last twenty weeks.

Deaths With Covid-19

7-Day Average



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

Covid-19 "Vital Signs"

Deaths Reported With Coronavirus

The 7-day average death rate fell 17% from last week and 56% in three weeks. This 7-day rate has not been lower than 1,000 since the beginning of November.

Deaths With Covid-19

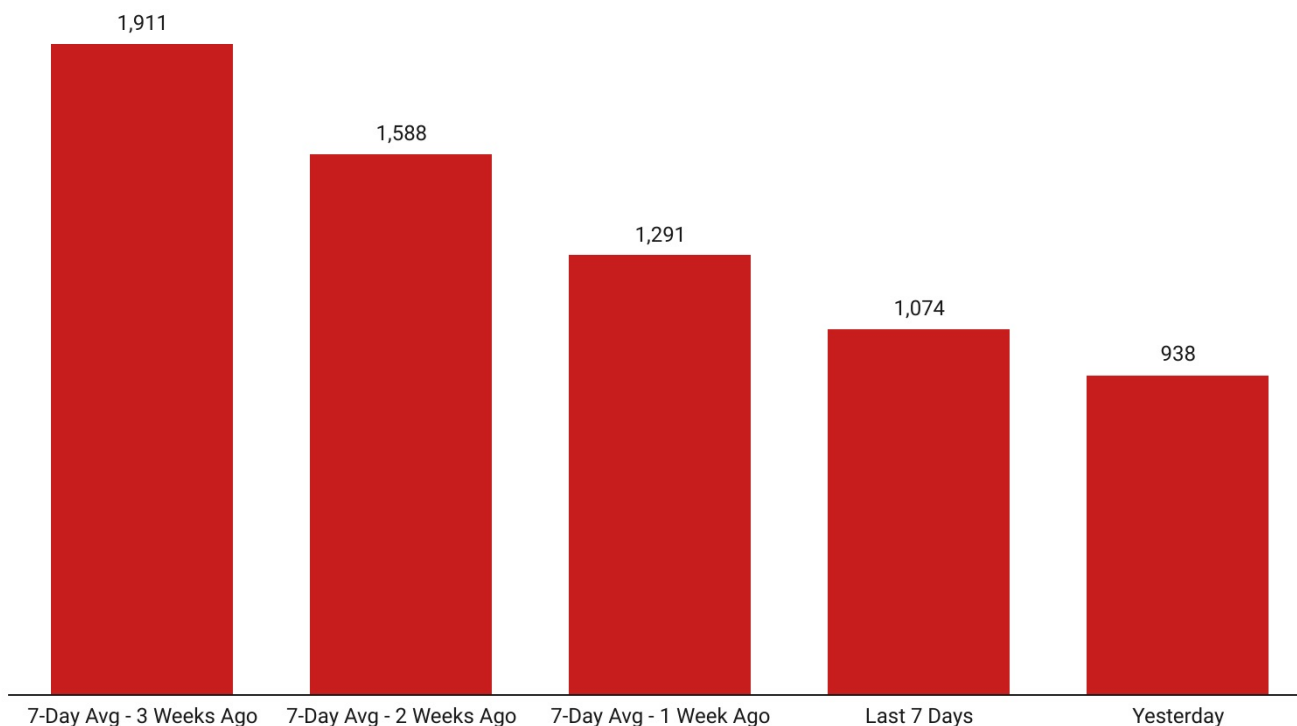


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

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>
- 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>