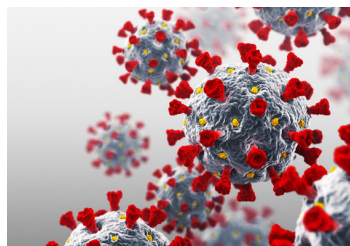


Covid-19 "Vital Signs"

Issue # 314

April 7, 2021



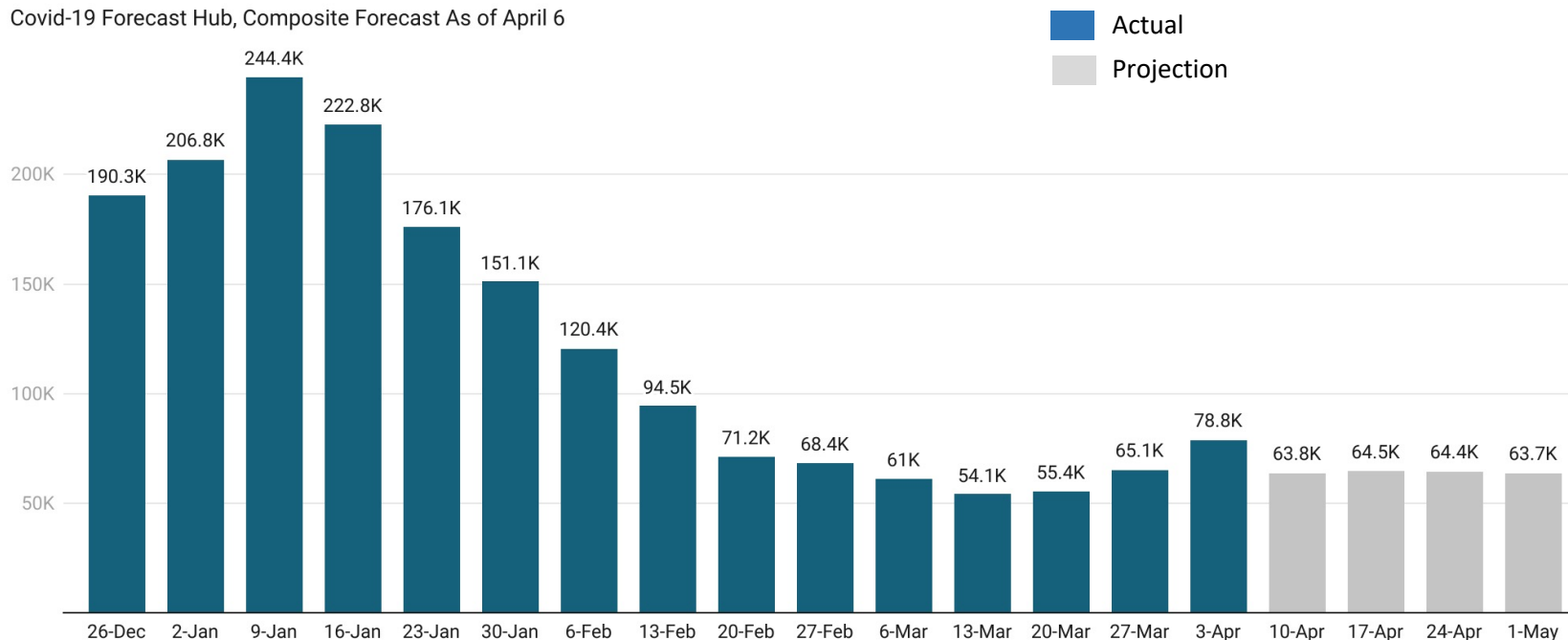
Covid-19 "Vital Signs"

Covid-19 Cases: Ensemble Forecast

The most recent ensemble forecast projects that new daily cases be essentially flat over the next four weeks. This would break the string of four consecutive weeks of increasing infections.

Newly-Detected Cases Per Day

Covid-19 Forecast Hub, Composite Forecast As of April 6



For the week ending on the date shown

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

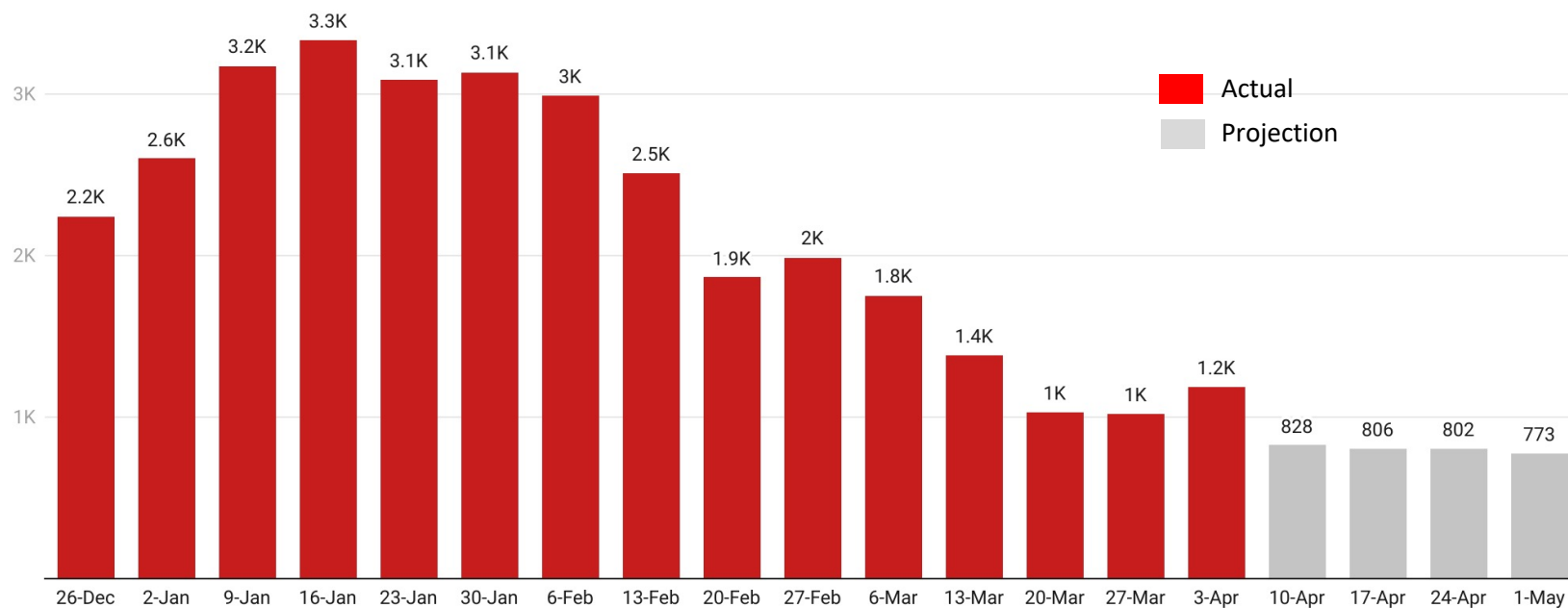
<https://viz.covid19forecasthub.org>

Death Projections – Ensemble Forecast

The most recent ensemble forecast projects that deaths will drop g below 1,000 daily this week, then decline slightly each of the next few weeks.

Newly-Reported Deaths Per Day

Covid-19 Forecast Hub, Composite Forecast As of March 30



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>

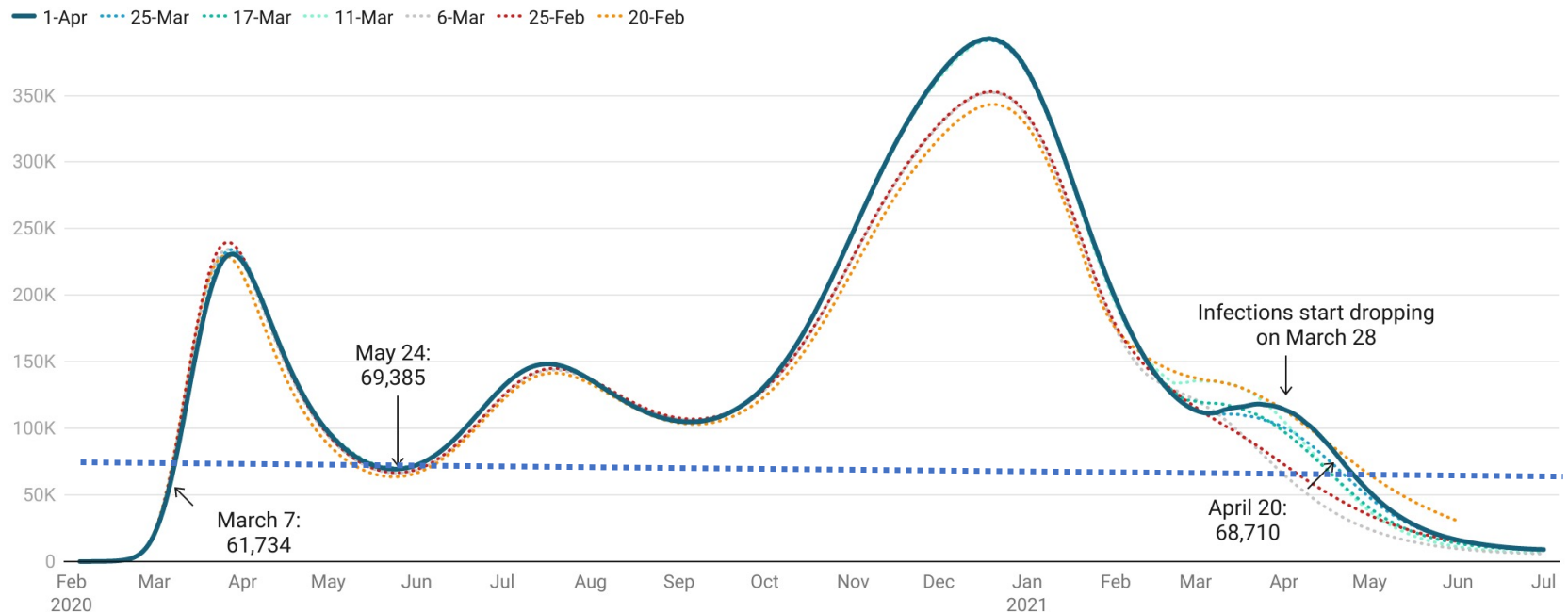
Covid-19 "Vital Signs"

Estimated Infections IHME Projection

Estimated daily infections decline from this point forward, according to the latest IHME model. By April 20th, projected infections fall lower than at any time since the first week in March 2020.

Estimated and Projected Infections

Institute For Health Metrics and Evaluation, Date Key Reflects Date that Forecast Was Published



Covid-19 "Vital Signs"

Covid-19 Inpatient Admissions – IHME Projections

Projected Covid-19 admissions peaked last week according to the latest IHME model. By May 7th, projected admissions drop lower than at any time since mid-March 2020.

Estimated & Projected Hospital Covid-19 Admissions

Institute for Health Metrics and Evaluation, Date Key Reflects the Date of the Forecast

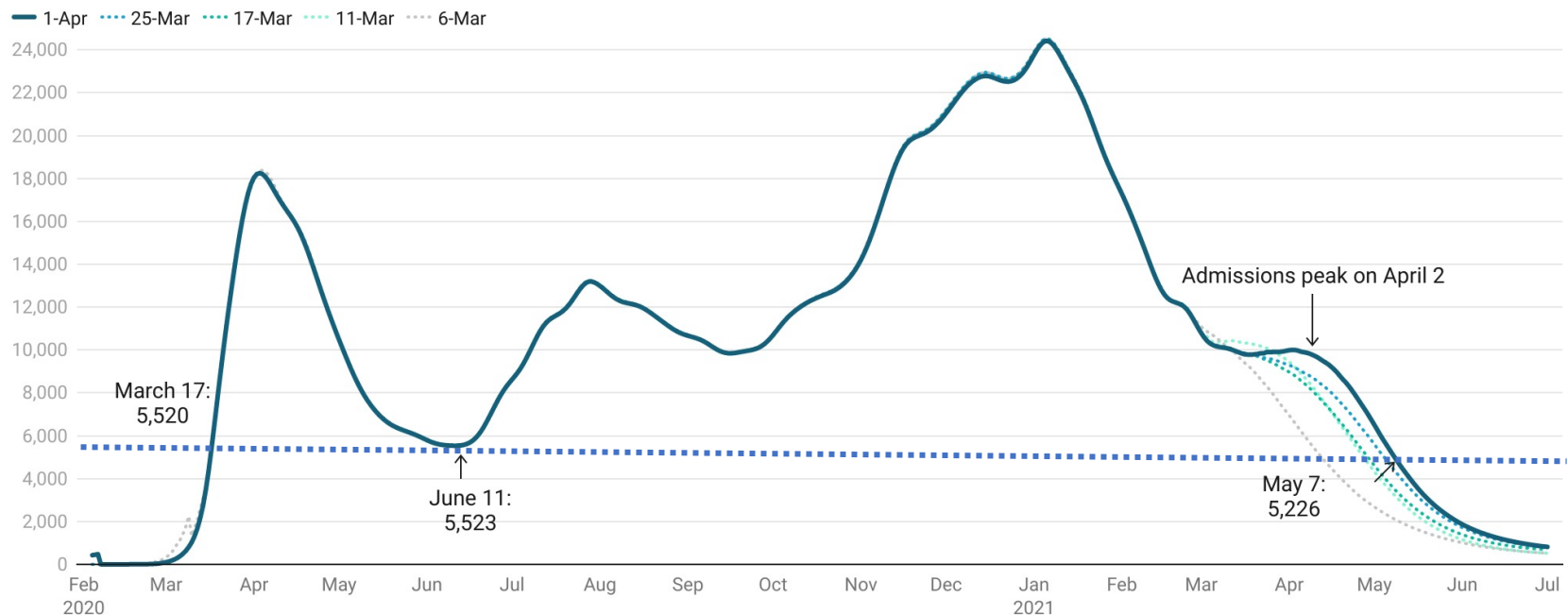


Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Covid-19 "Vital Signs"

Deaths With Covid-19: IHME Projection

Projected deaths with Covid-19 decline through June, according to the latest IHME model. By May 27th, projected Covid-19 deaths fall lower than at any time since the last week in March 2020.

Estimated & Projected Deaths With Covid-19

Institute for Health Metrics and Evaluation, Date Key Reflects Date The Forecast Was Published

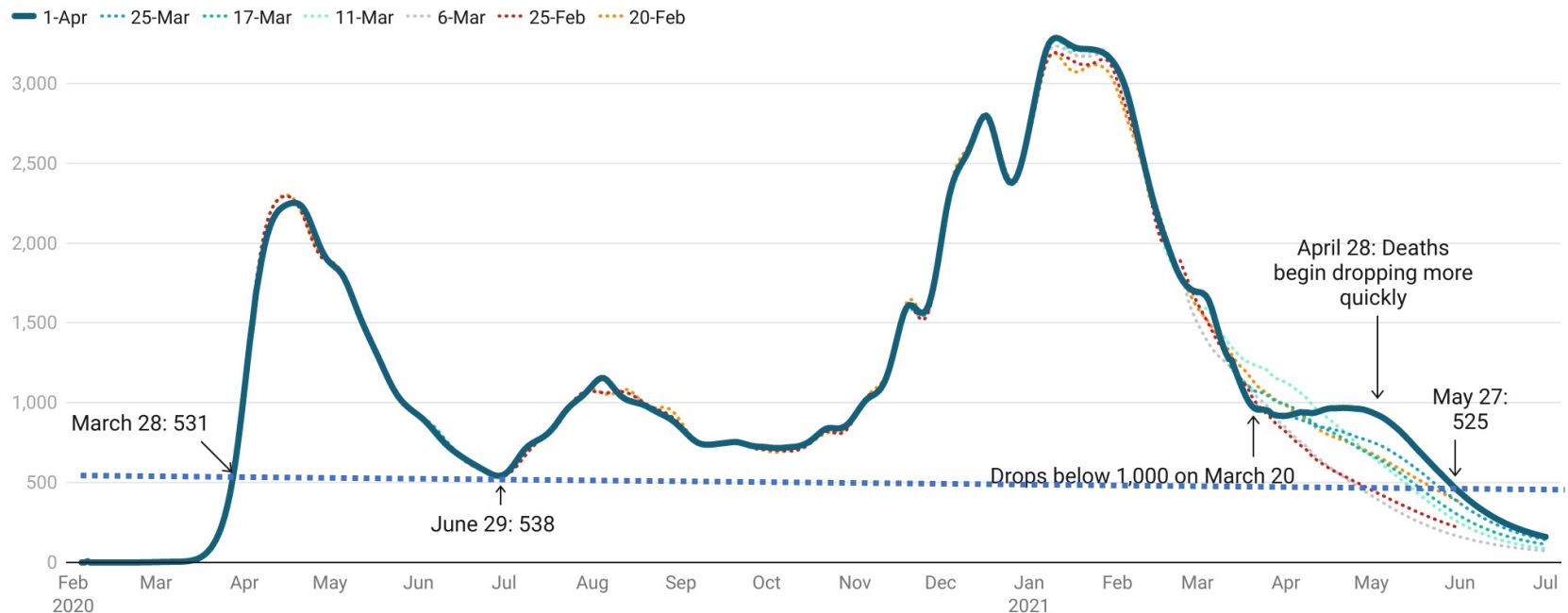


Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Covid-19 "Vital Signs"

Newly Detected Cases Per Day

In the US, 7-day new case rates increased less than 1% week-over-week, after growing nearly 4.5% the prior week and more than 12% a week earlier. Outside the U.S., cases increased 6% week-over-week after increasing 14% the week prior and 18% two weeks earlier.

Newly Detected Cases

As of April 6

■ United States ■ Outside the US

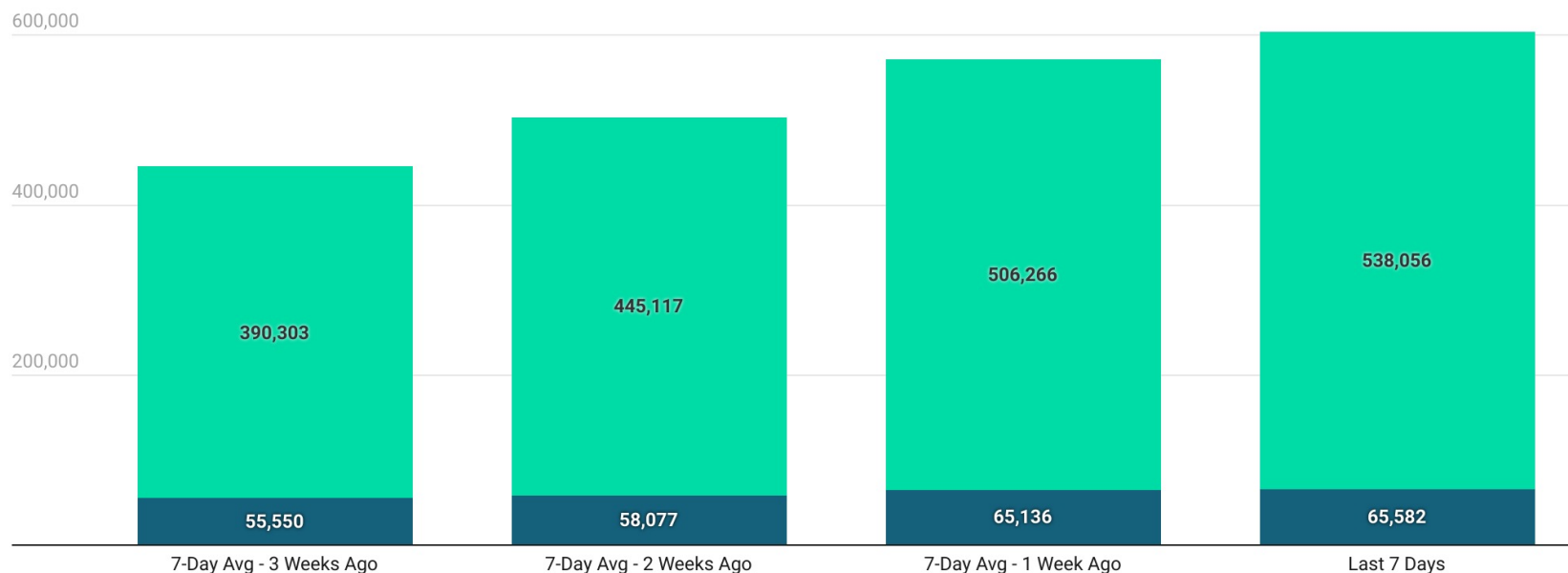
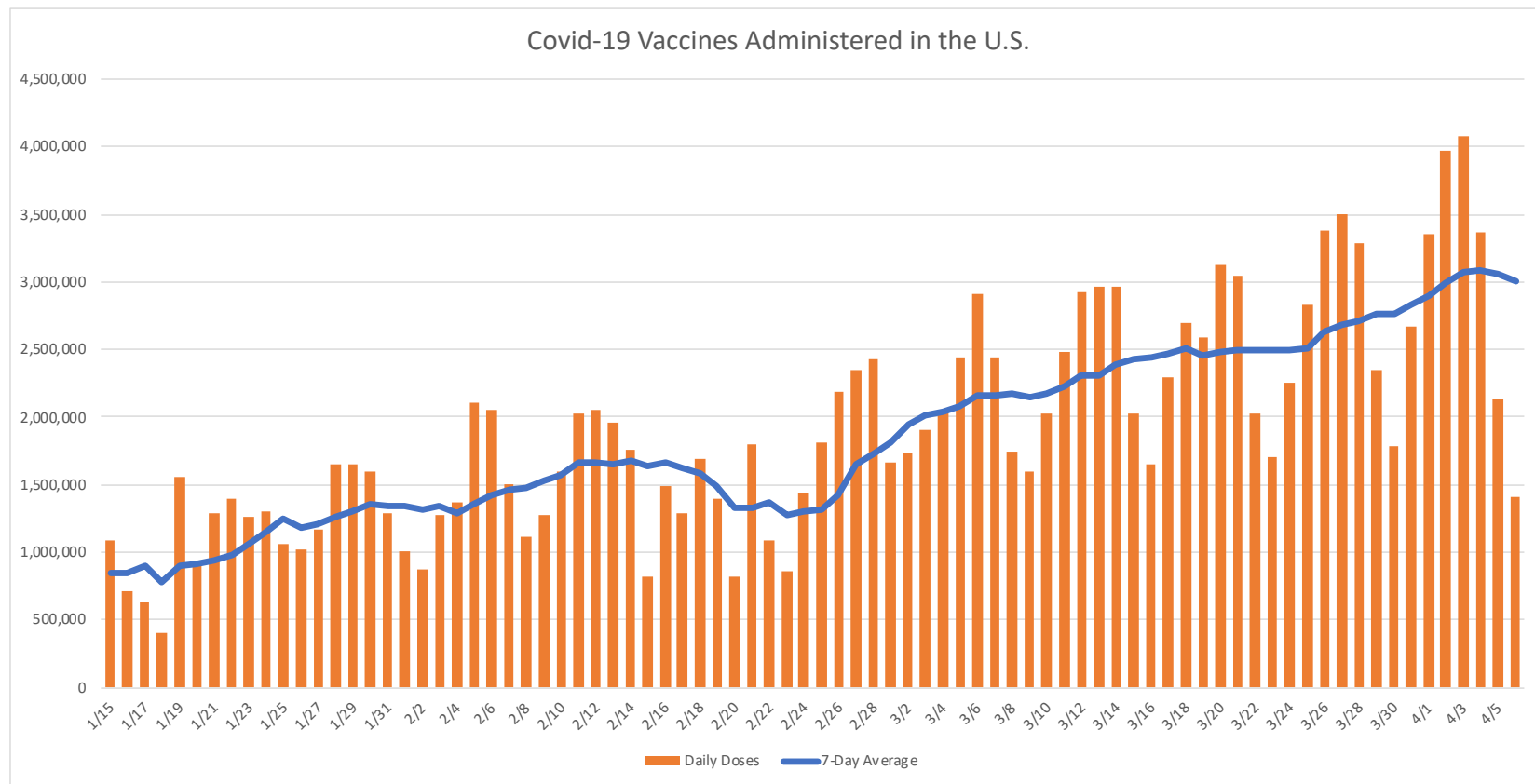


Chart: Health Industry Advisor LLC • Source: The Atlantic • Created with Datawrapper

Covid-19 “Vital Signs”

Pace of Vaccinations

The vaccination pace slowed on Sunday and Monday. However, more than 11 million new doses were distributed yesterday to vaccination centers –by far the most since the process began.



Covid-19 “Vital Signs”

Vaccine Tracking

To date, the US has distributed nearly 220 million doses and administered nearly 169 million., 62.4 million people are fully inoculated – 24.4% of the adult population. Another 44 million people have received the first of two required doses.

Vaccination Progress

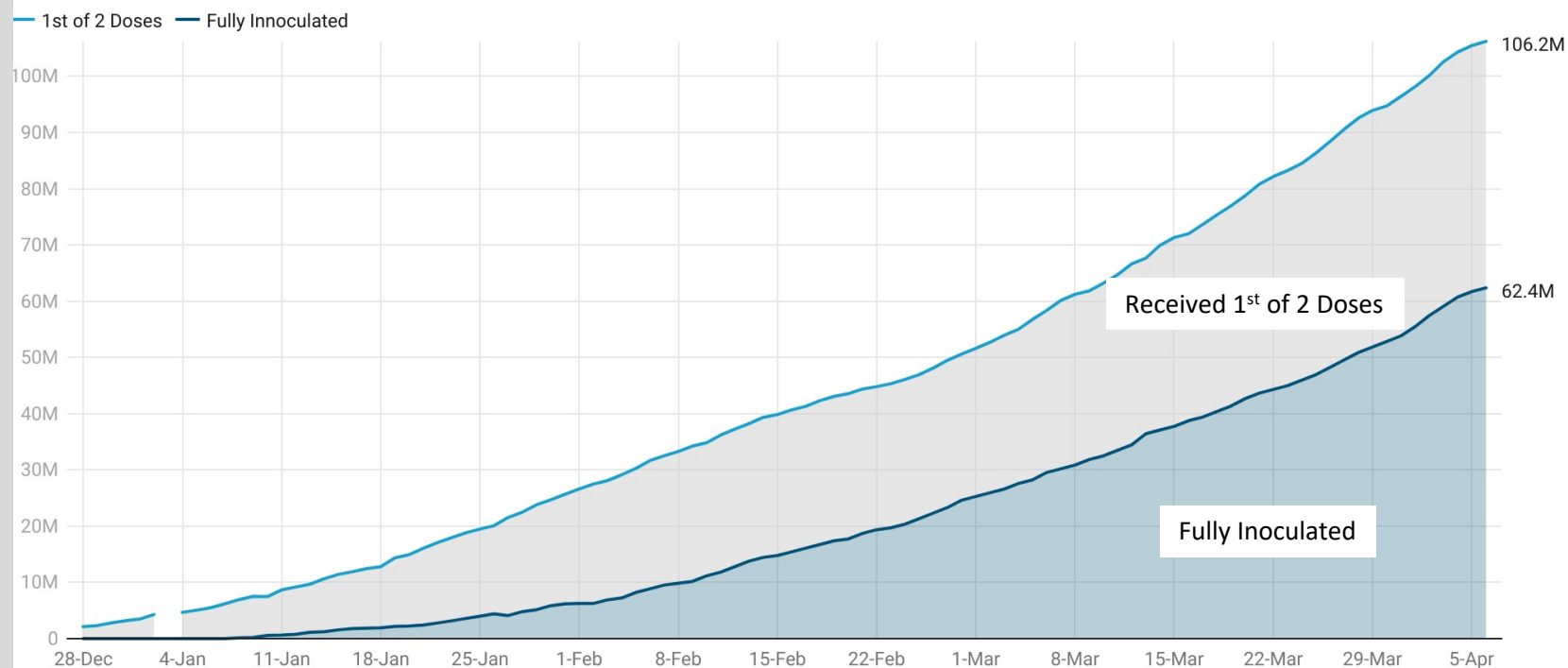


Chart: Health Industry Advisor LLC • Source: CDC, Bloomberg • Created with Datawrapper

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

Covid-19 "Vital Signs"

Test-Positivity Rate

The test-positivity rate increased last week and is just higher than the suggested WHO target.

Test-Positivity Rate

As of April 4

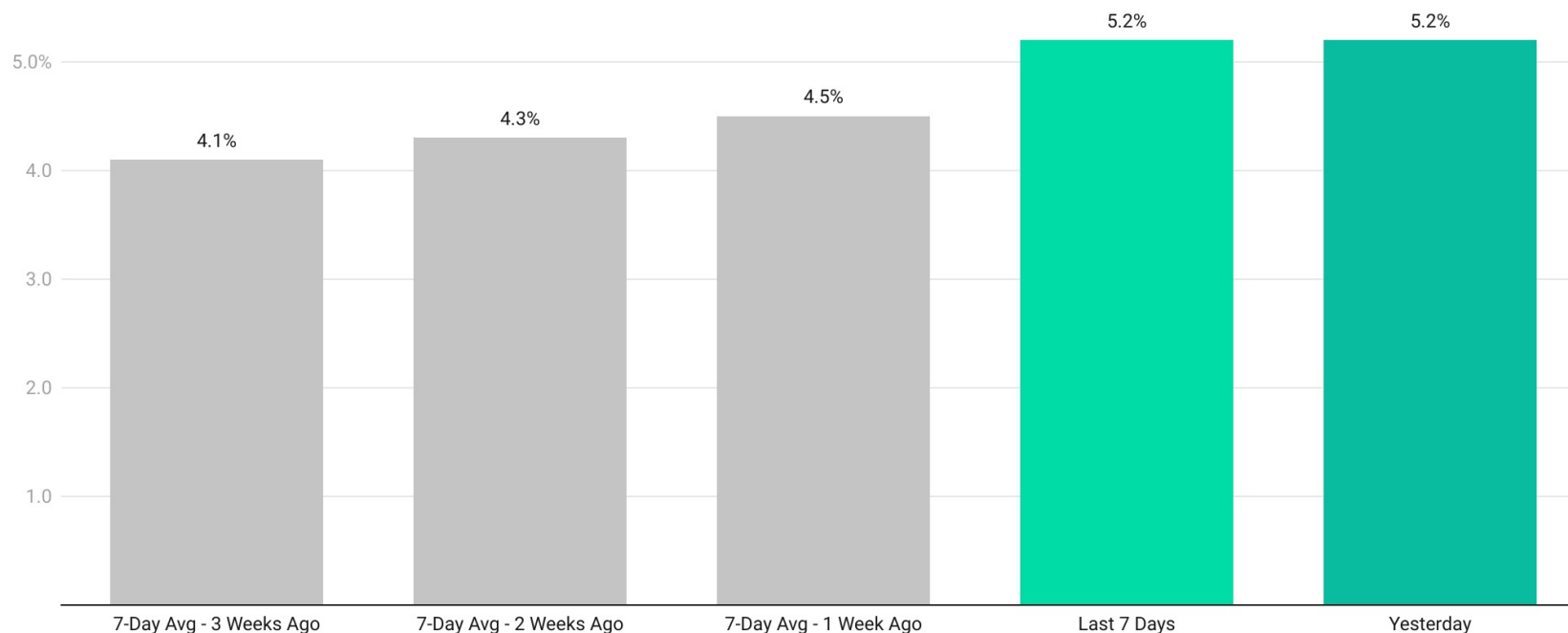


Chart: Health Industry Advisor LLC • Source: The Atlantic • Created with Datawrapper

Covid-19 Inpatient Census

Covid-19 inpatient census was relatively stable over the past three weeks.

Hospitalized Covid-19 Patients

Compared to Same Day, Prior Weeks

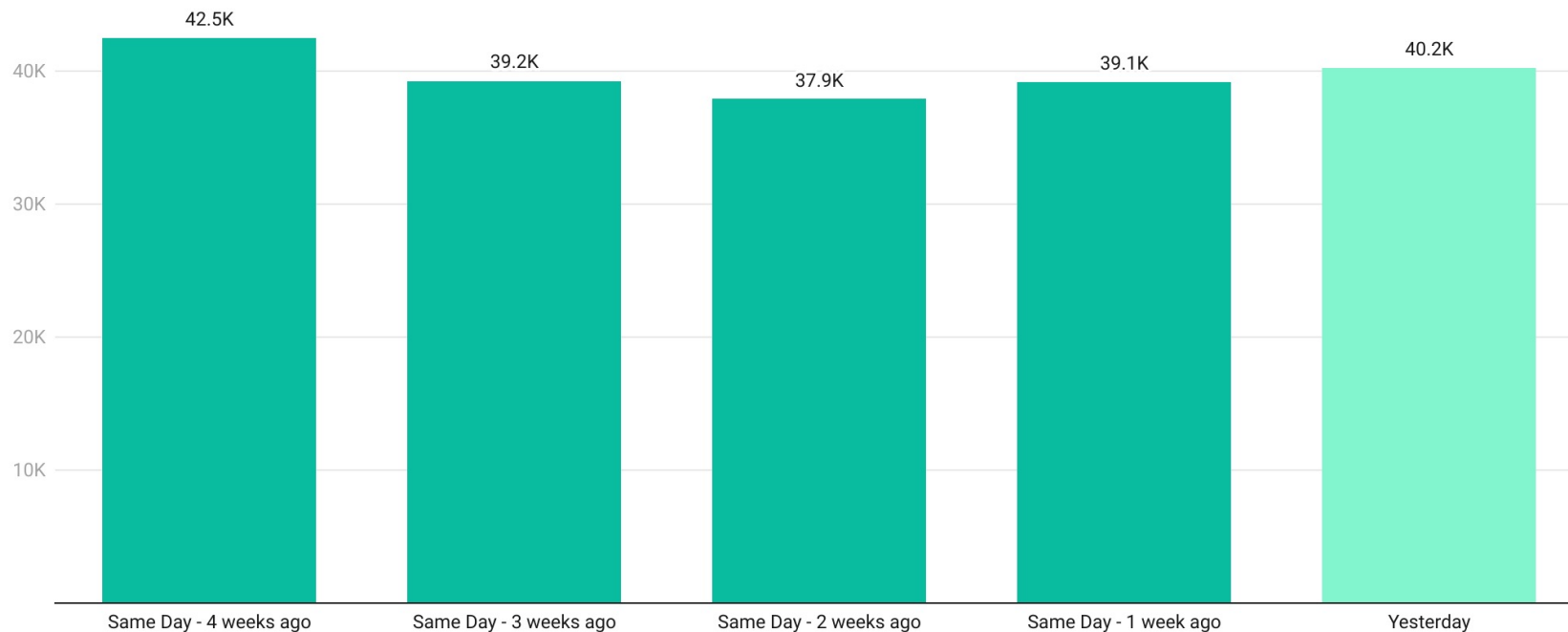


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Covid-19 “Vital Signs”

Deaths With Coronavirus

Deaths with coronavirus (7-day average) have declined by 75% since a peak in late January. This rate fell below 900 for the first time since October..

Deaths With Coronavirus

7-Day Average, Through April 6



Chart: Health Industry Advisor LLC • Created with Datawrapper

Deaths Reported With Coronavirus

The 7-day average death rate fell below 900 for the first time in five months. Deaths declined more than 15% from last week and 32% in three weeks.

Daily Deaths Reported With Coronavirus

As of April 4

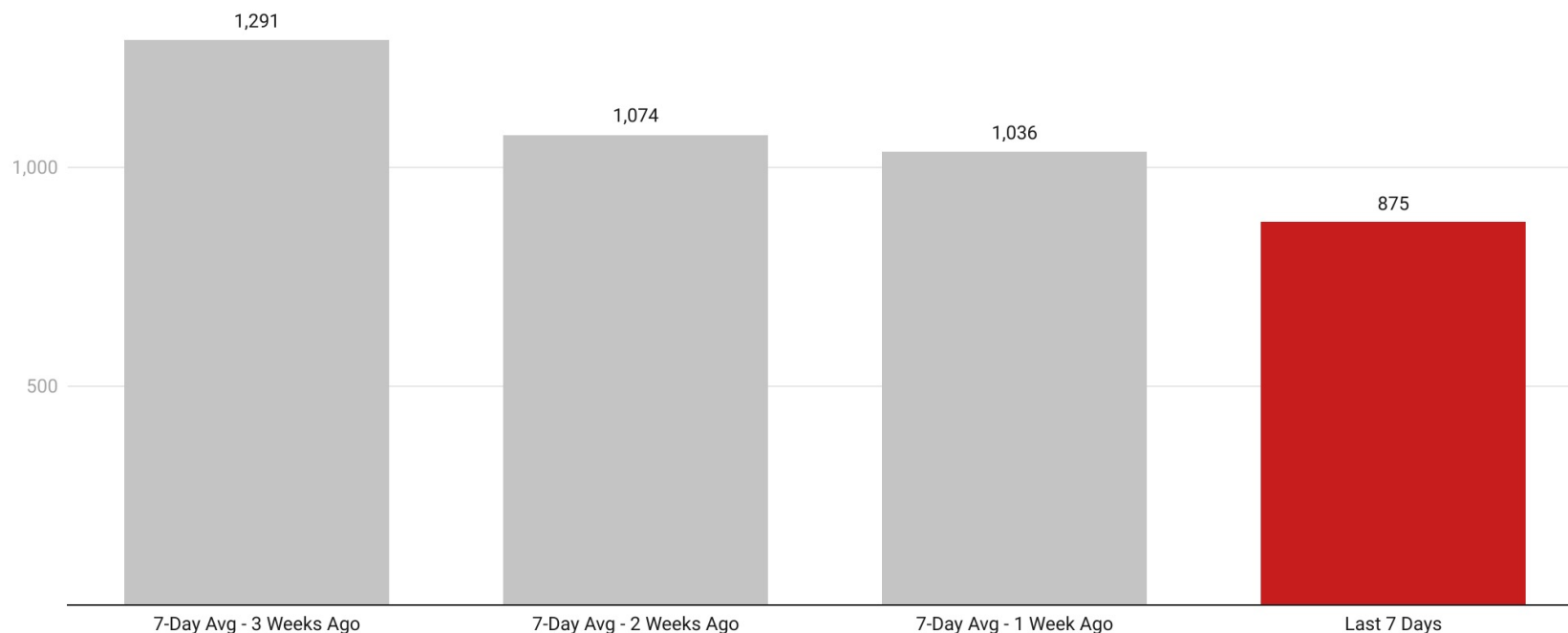


Chart: Health Industry Advisor LLC • Source: The Atlantic • Created with Datawrapper

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>