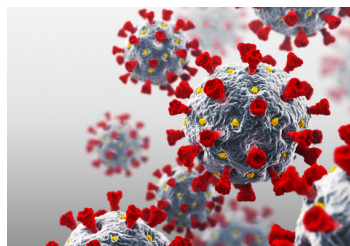


Covid-19 "Vital Signs"

Issue # 300

March 13, 2021



Covid-19 "Vital Signs"

Vaccination Status - US

Vaccinations surged last week, surpassing 100 million to-date on Saturday with the highest single-day total ever recorded. Vaccinations set a new 7-day high, increasing more than 10% over last week.

Covid-19 Vaccinations - US

For the week shown

■ First Dose ■ Second Dose

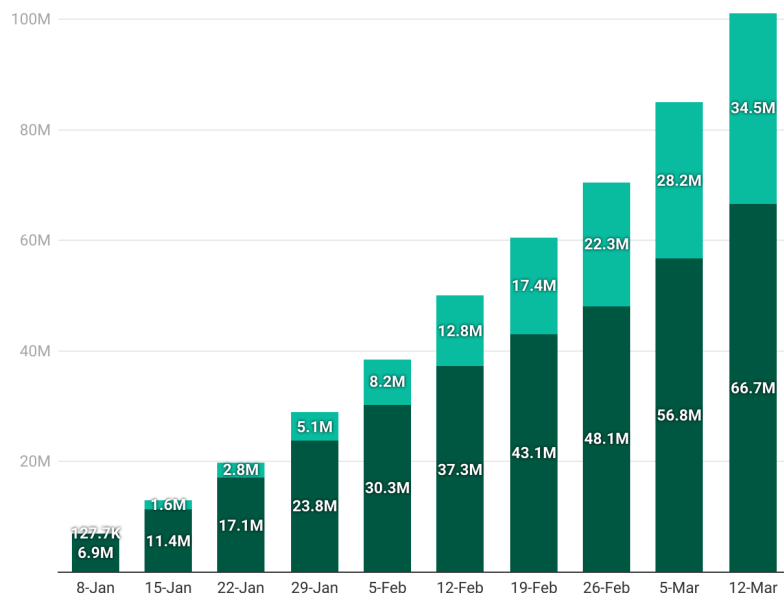


Chart: Health Industry Advisor LLC • Source: Bloomberg • Created with Datawrapper

U.S. Covid-19 Vaccinations

7-Day Average, Though the Date Shown

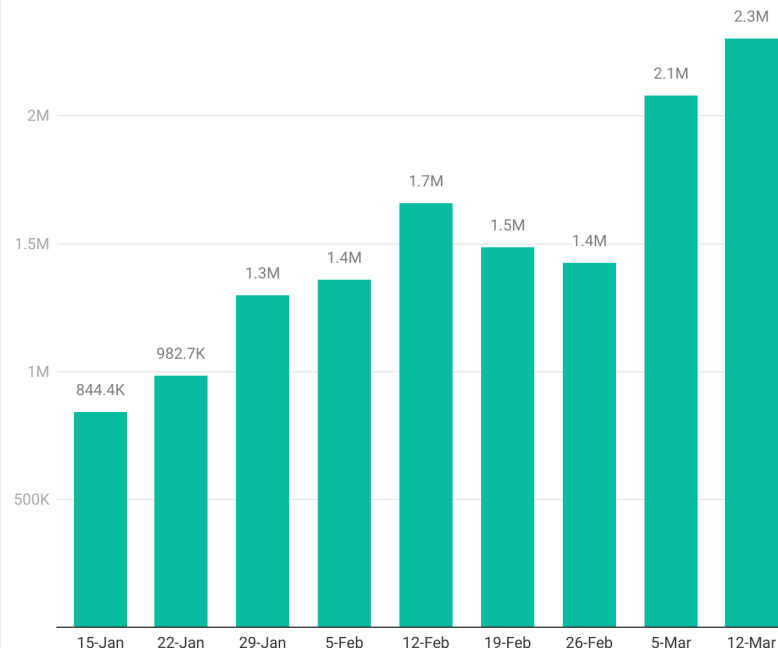


Chart: Health Industry Advisor • Source: Bloomberg • Created with Datawrapper

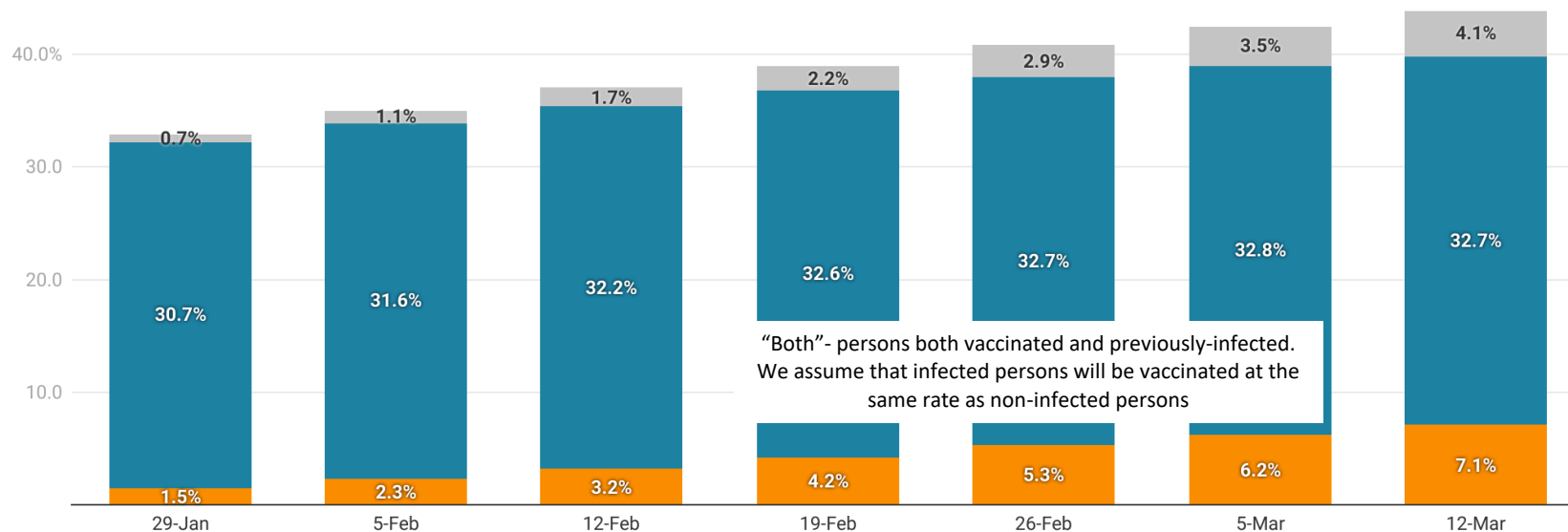
Estimated Immunity Status - US

Estimated immunity exceeds 43% of the US population, still mostly coming from a prior infection.

Estimated % Immunity - US

Based on Vaccination Rate and Estimated True Infections (Yale/Harvard Model)

■ Via Vaccination
 ■ Via Infection
 ■ Via Both



<https://covid19-projections.com/>; <https://covidestim.org>

Chart: Health Industry Advisor LLC • Source: Harvard/Yale and Bloomberg • Created with Datawrapper

Covid-19 "Vital Signs"

Covid-19 Testing

Test-positivity plunged to its lowest point at any time during the pandemic.

Weekly Test-Positive% - United States

For the 7 days ending on date shown

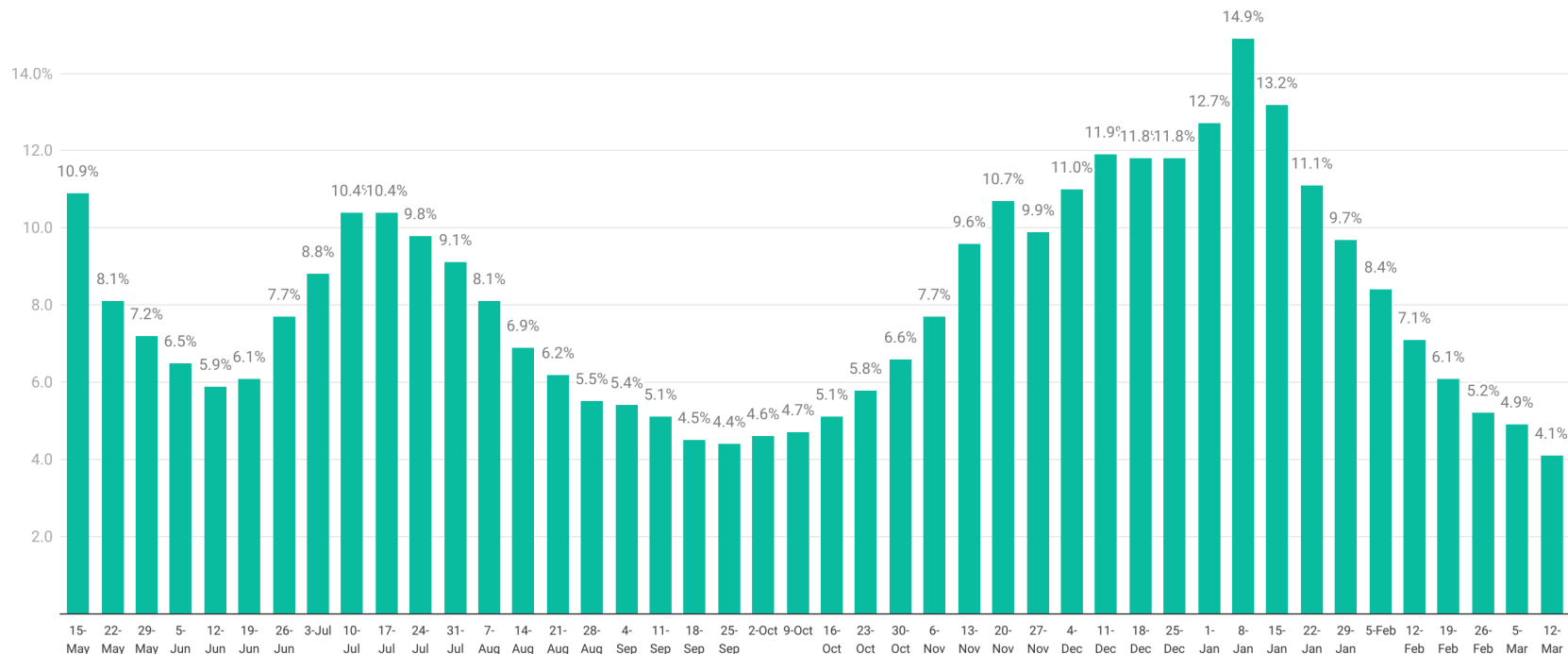


Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking project • Created with Datawrapper



Estimated Actual Infections – Yale/Harvard Model

Estimated infections dropped for the eighth successive week, falling to its lowest level since since mid-October.

Weekly New Estimated Infections - Yale/Harvard Model

For the 7 days ending on date shown

* Source: [Yale School of Public Health/Harvard T.H. Chan School of Public Health](#)

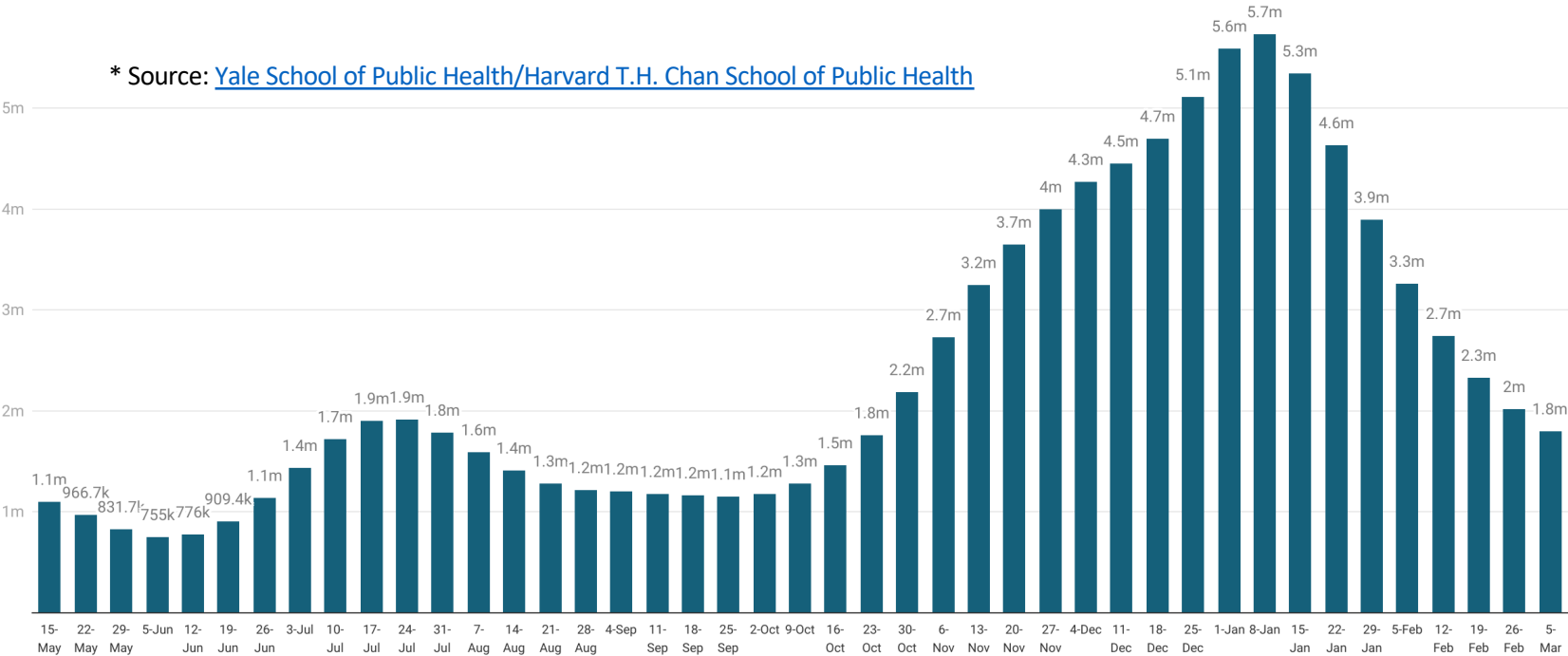


Chart: Health Industry Advisor LLC • Source: Yale and Harvard Schools of Public Health • Created with Datawrapper



Newly Detected Cases

New cases dropped for the ninth successive week. We are witnessing new case levels as low as they have been since mid-October.

Weekly New Detected Cases - United States

For the 7 days ending on date shown

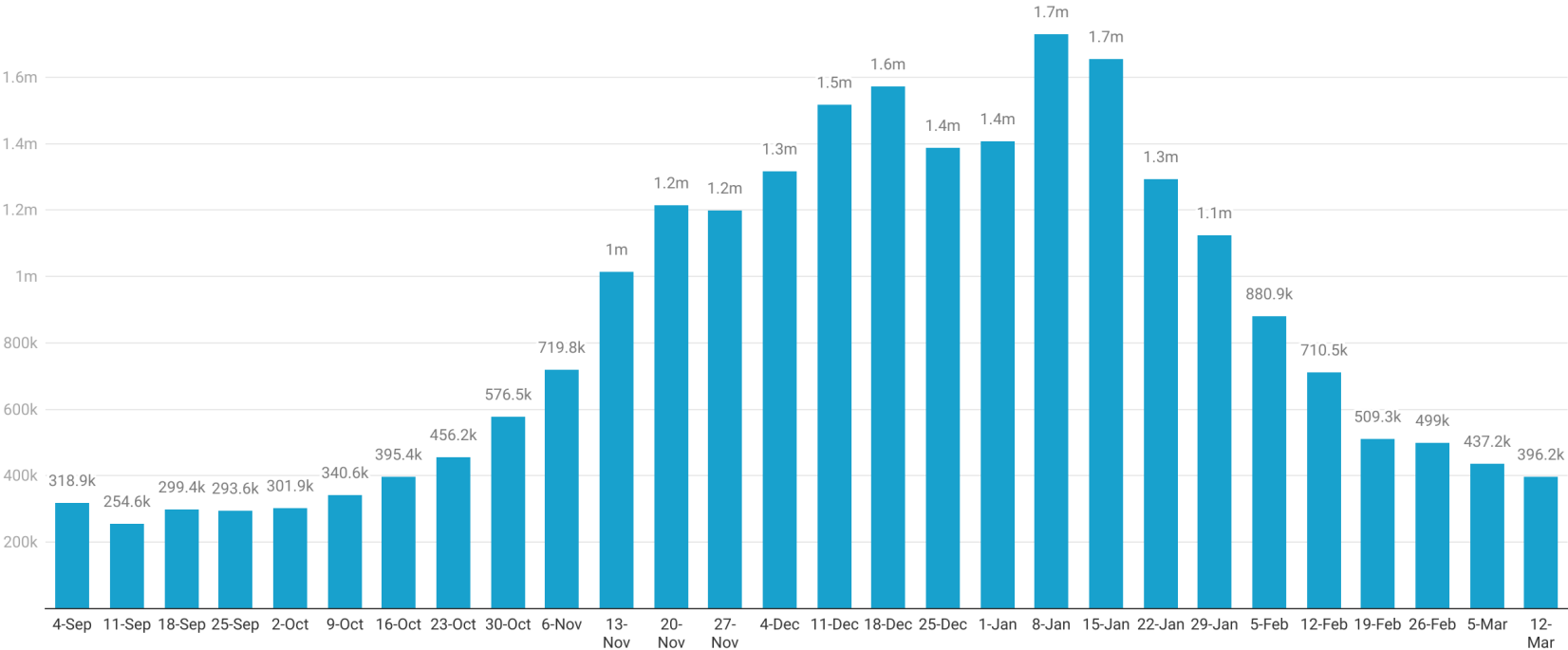


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper



Newly Detected Cases - By State

California, Florida, New Jersey, New York and Texas accounted for 42% of all new cases in the US over the past seven days.

New Weekly Detected Cases - By State

March 6 - March 12

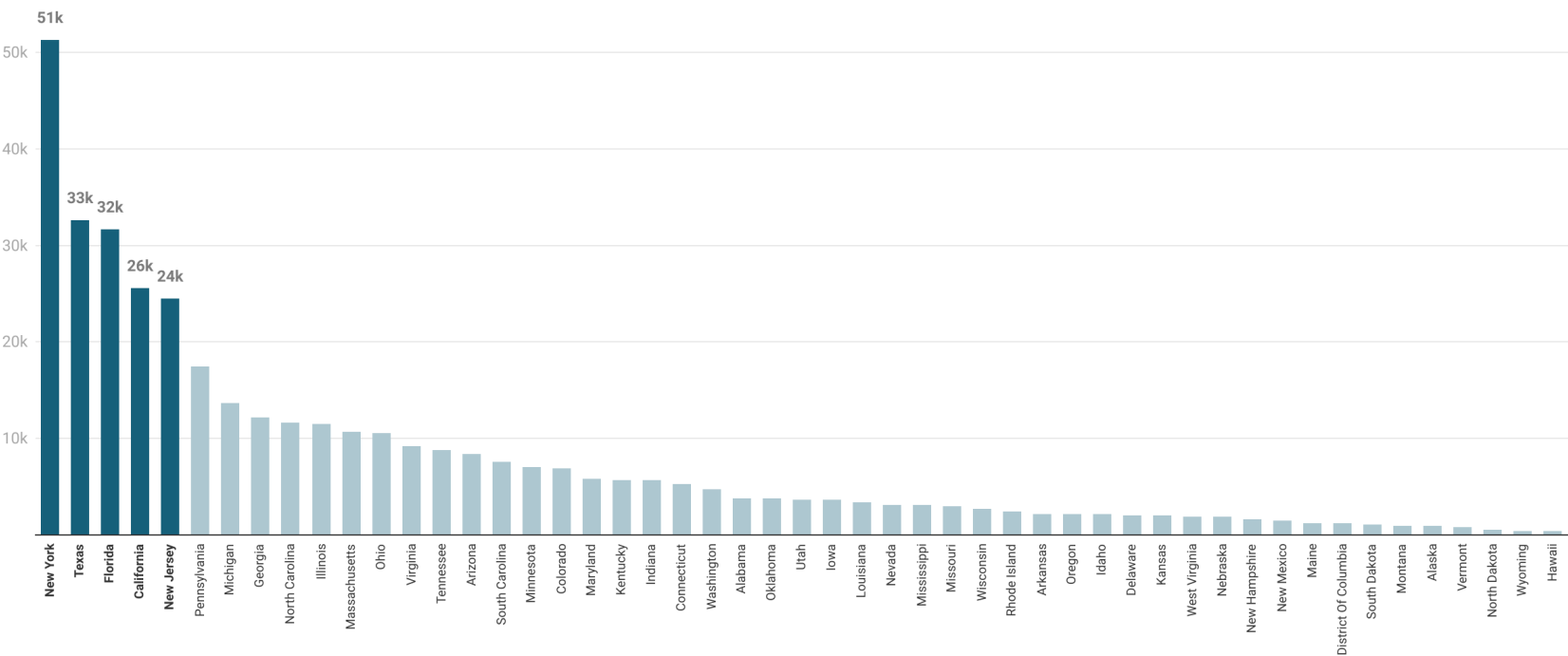


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Covid-19 "Vital Signs"

Week-Over-Week Change in Newly Detected Cases

California and Texas recorded significant declines in new cases week-over-week. Michigan led states that experienced increasing new cases week-over-week.

Week-Over-Week Change In Newly Detected Cases - By State

March 6-12 v. February 27-March 5

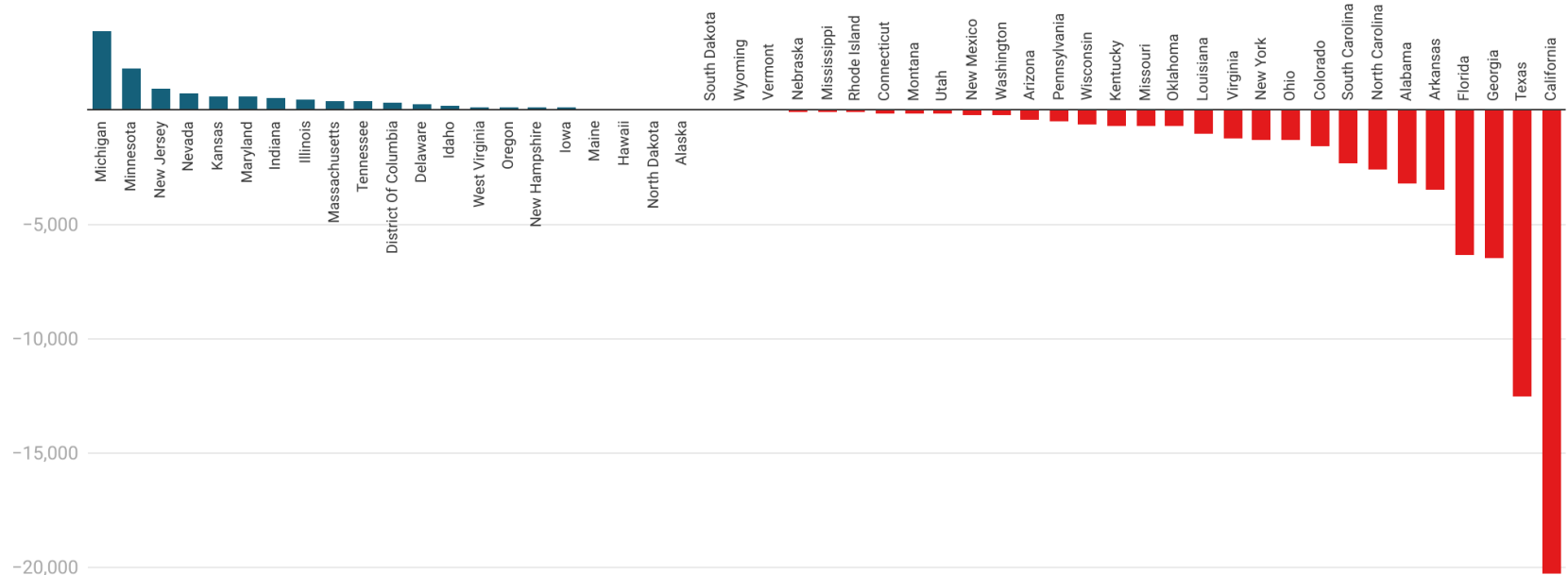


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Test Efficiency: Tests Per Case Detected

Test efficiency slipped slightly last week –though this is likely due to delayed reporting to HHS (California is two days behind in reporting). Test efficiency remained strong relative to prior weeks.

Weekly Tests / Newly Detected Case - United States

For the 7 days ending on date shown

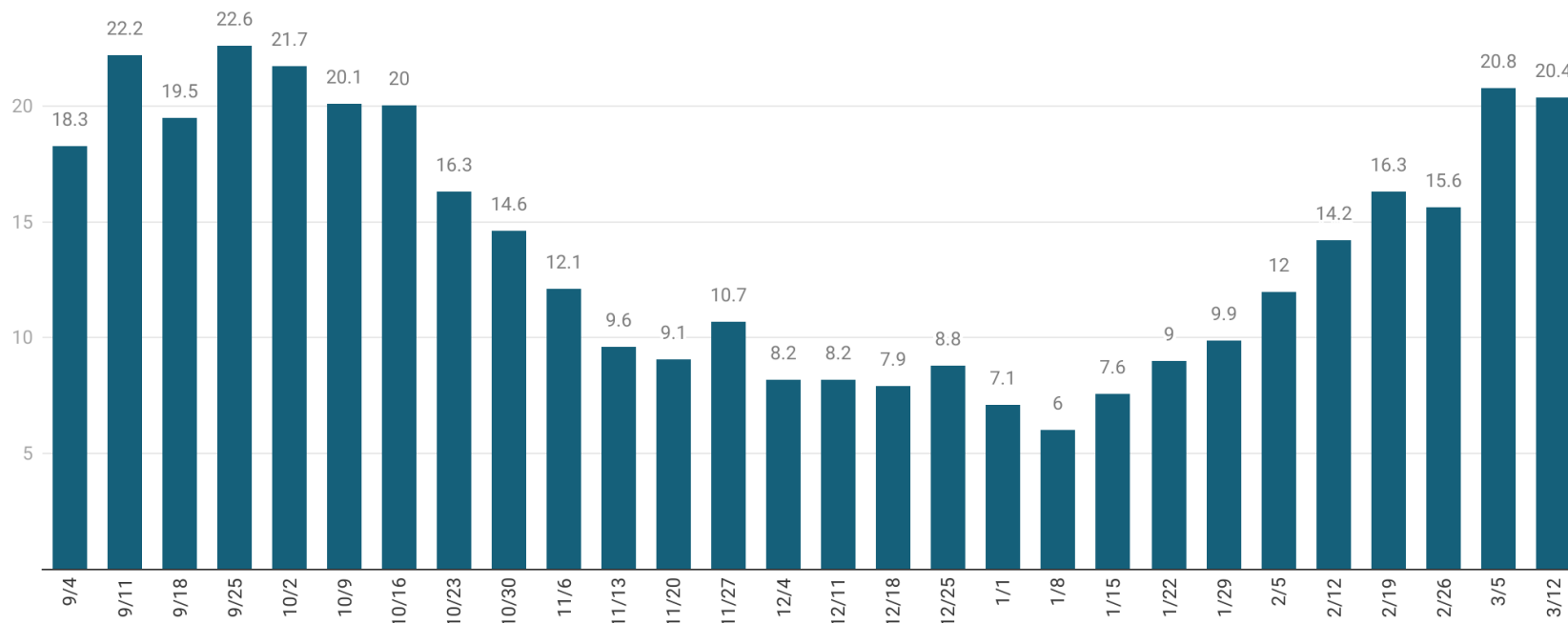


Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking Project & worldometers.info • Created with Datawrapper



Active Cases

The number of Active Cases fell sharply last week, as recoveries outpaced newly-detected cases.

Current Active Cases - United States

For the 7 days ending on date shown

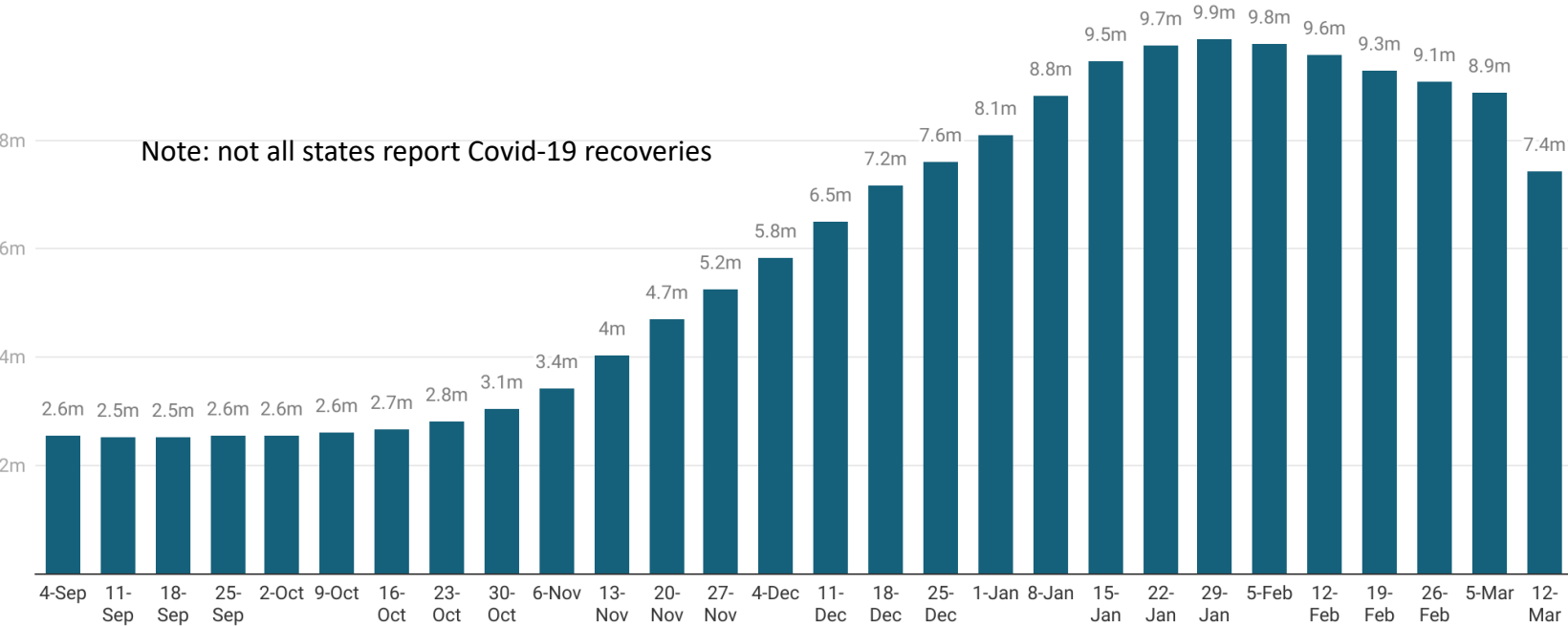


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Covid-19 Hospital Occupancy

Covid-19 inpatient days plunged further last week.

Covid-19 Inpatient Days - United States

For the 7 days ending on date shown

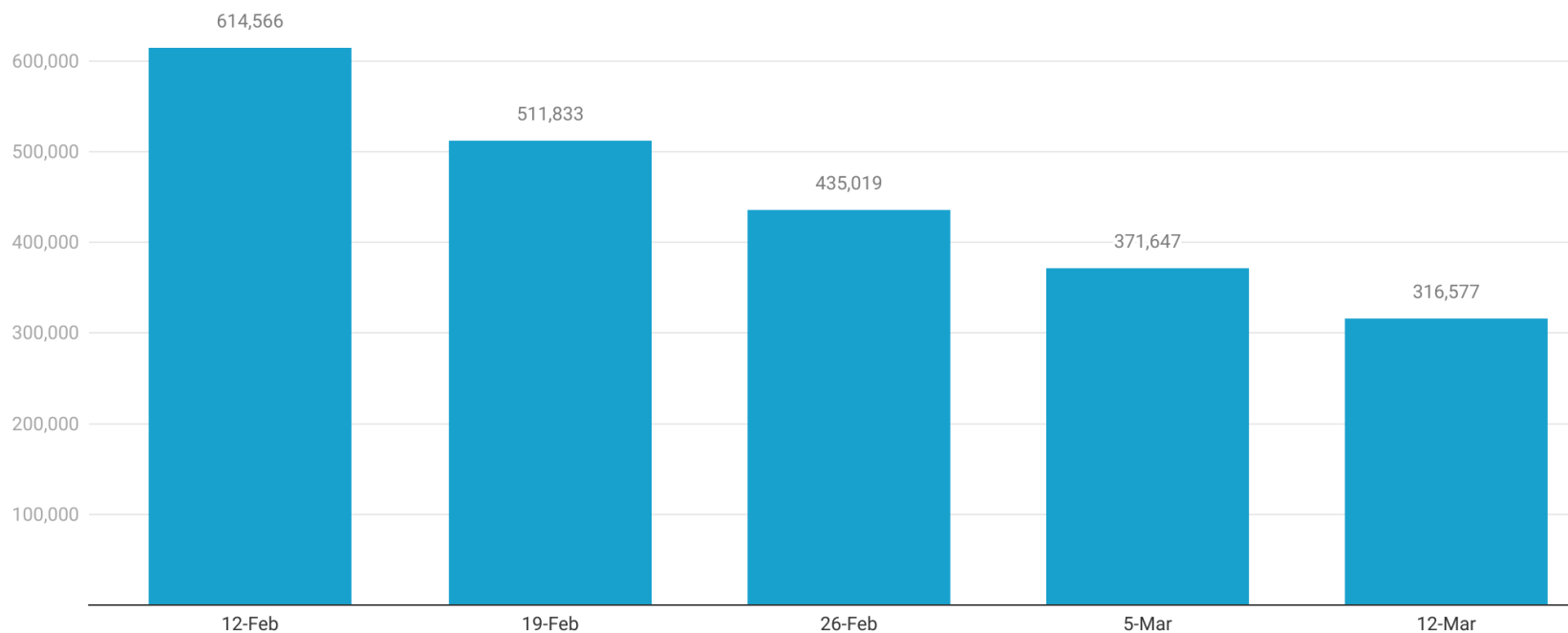


Chart: Health Industry Advisor LLC • Source: Department of Health & Human Services • Created with Datawrapper

% of Visits Relating to Influenza

As we move past the normal peak of the flu season, we observe how mild this season was compared to each of the past several seasons.

% of Visits For Influenza-Like Illnesses, National Summary

By Week & Flu Season

— 2015-16 — 2016-2017 — 2017-2018 — 2018-2019 — 2019-2020 — 2020-2021

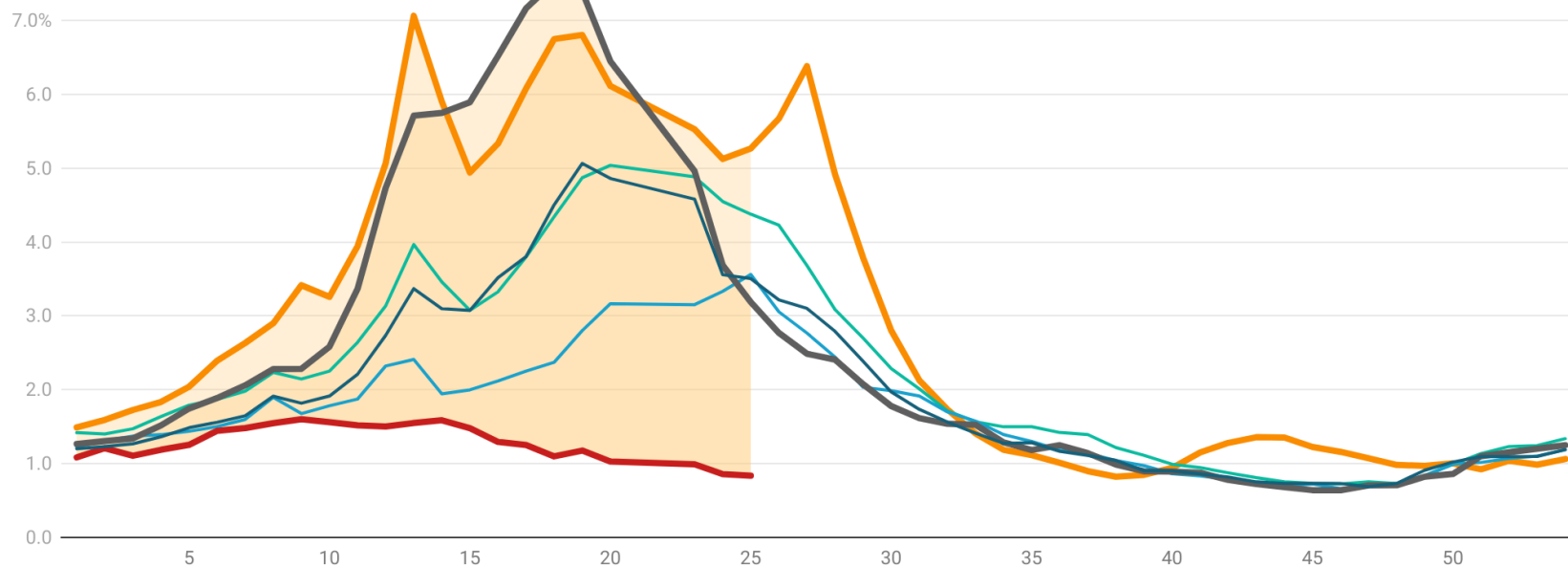


Chart: Health Industry Advisor LLC • Source: Centers for Disease Control & Prevention • Created with Datawrapper

Covid-19 "Vital Signs"

Deaths With Coronavirus

There were fewer deaths with coronavirus last week than during any week since mid-November.

Weekly Deaths - United States

For the 7 days ending on date shown

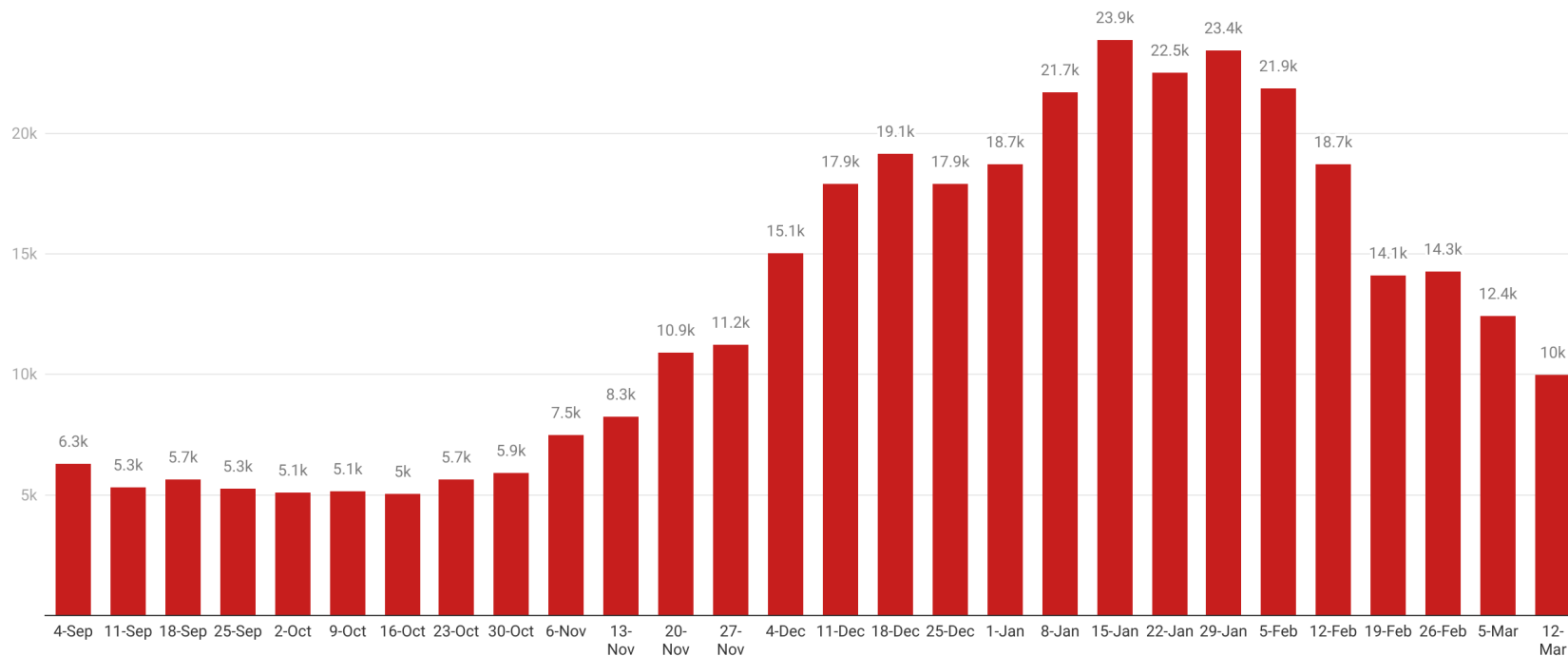


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

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>