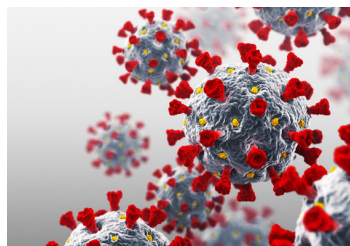


Covid-19 "Vital Signs"

Issue # 313

April 5, 2021



Covid-19 "Vital Signs"

Newly Detected Cases Per Day

In the US, 7-day new case rates increased just more than 1% week-over-week, after growing nearly 10% the prior week. Outside the U.S., cases increased 7% week-over-week after increasing 14% the week prior and 18% two weeks earlier.

Newly Detected Cases

As of April 1

■ United States ■ Outside the US



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

Covid-19 “Vital Signs”

Newly Detected Cases / Million

Case rates are rising in parts of Europe and South America.

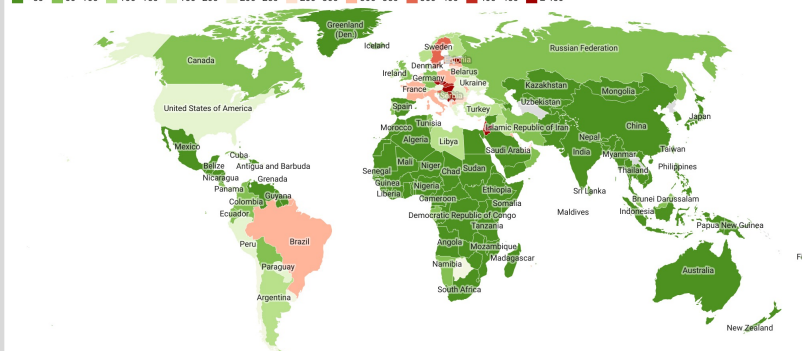
March 7

April 4

New Infections / Million

7-Day Moving Average, As of March 7

■ < 50 ■ 50-100 ■ 100-150 ■ 150-200 ■ 200-250 ■ 250-300 ■ 300-350 ■ 350-400 ■ 400-450 ■ ≥ 450

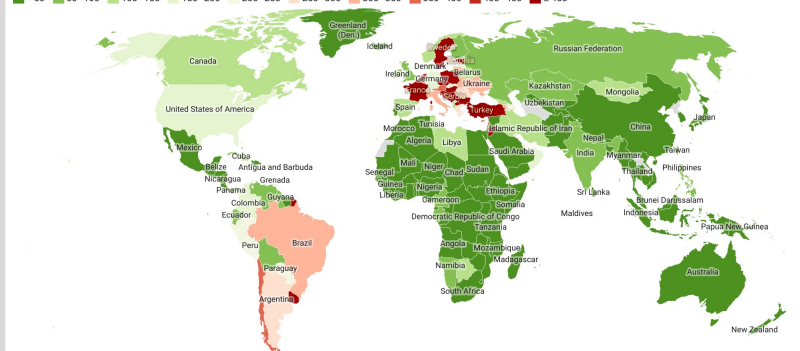


Map: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

New Infections / Million

7-Day Moving Average, As of April 4

■ < 50 ■ 50-100 ■ 100-150 ■ 150-200 ■ 200-250 ■ 250-300 ■ 300-350 ■ 350-400 ■ 400-450 ■ ≥ 450



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

Covid-19 "Vital Signs"

Newly Detected Cases / Million

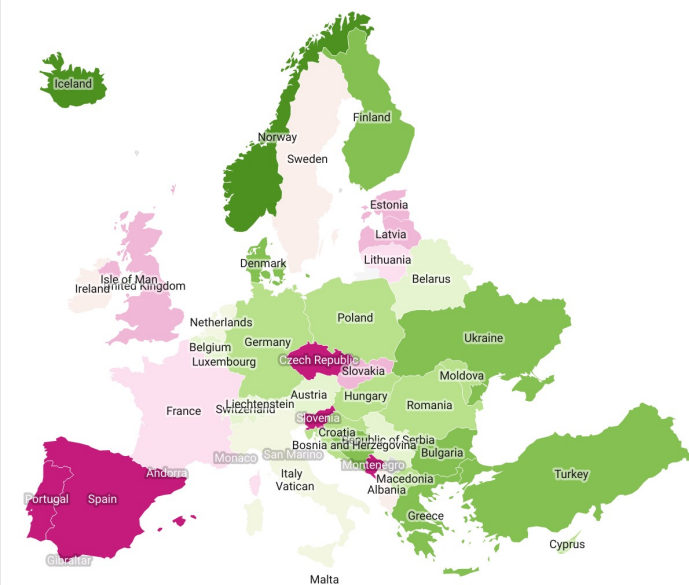
Much of the European Union has suffered with rising case rates over the past month.

March 7

New Daily Infections / Million - Europe

7-Day Moving Average, As of March 7

■ < 50
 ■ 50-100
 ■ 100-150
 ■ 150-200
 ■ 200-250
 ■ 250-300
 ■ 300-350
 ■ 350-400
 ■ 400-450
 ■ ≥ 450



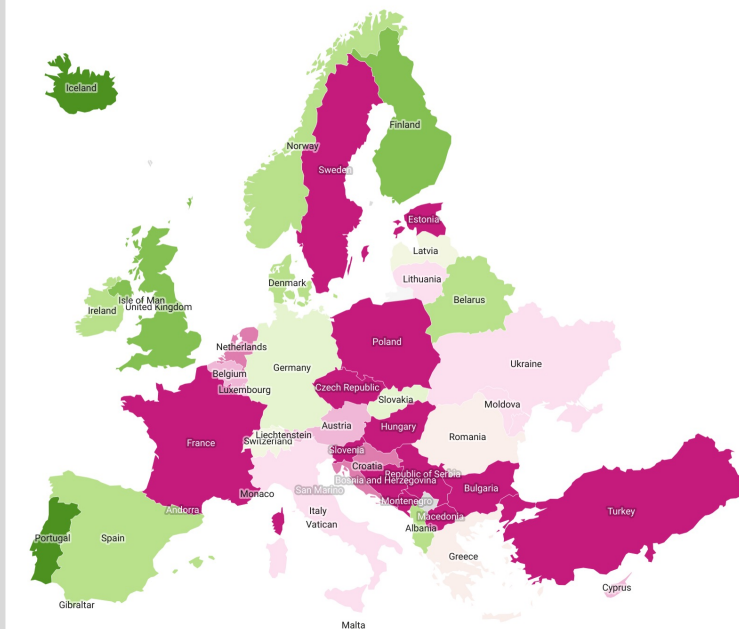
Map: Health Industry Advisor LLC • Source: Worldometer.info • Created with Datawrapper

April 4

New Daily Infections / Million - Europe

7-Day Moving Average, As of April 4

■ < 50
 ■ 50-100
 ■ 100-150
 ■ 150-200
 ■ 200-250
 ■ 250-300
 ■ 300-350
 ■ 350-400
 ■ 400-450
 ■ ≥ 450



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

Covid-19 "Vital Signs"

Case Trends – Select Countries of Interest

Case rates have declined in three countries with relatively high vaccination rates – Israel, the United Kingdom and the United States. Rates are high in several countries with relatively low vaccination rates.

Newly Detected Cases Per Million: Select Countries of Interest

7-Day Moving Average

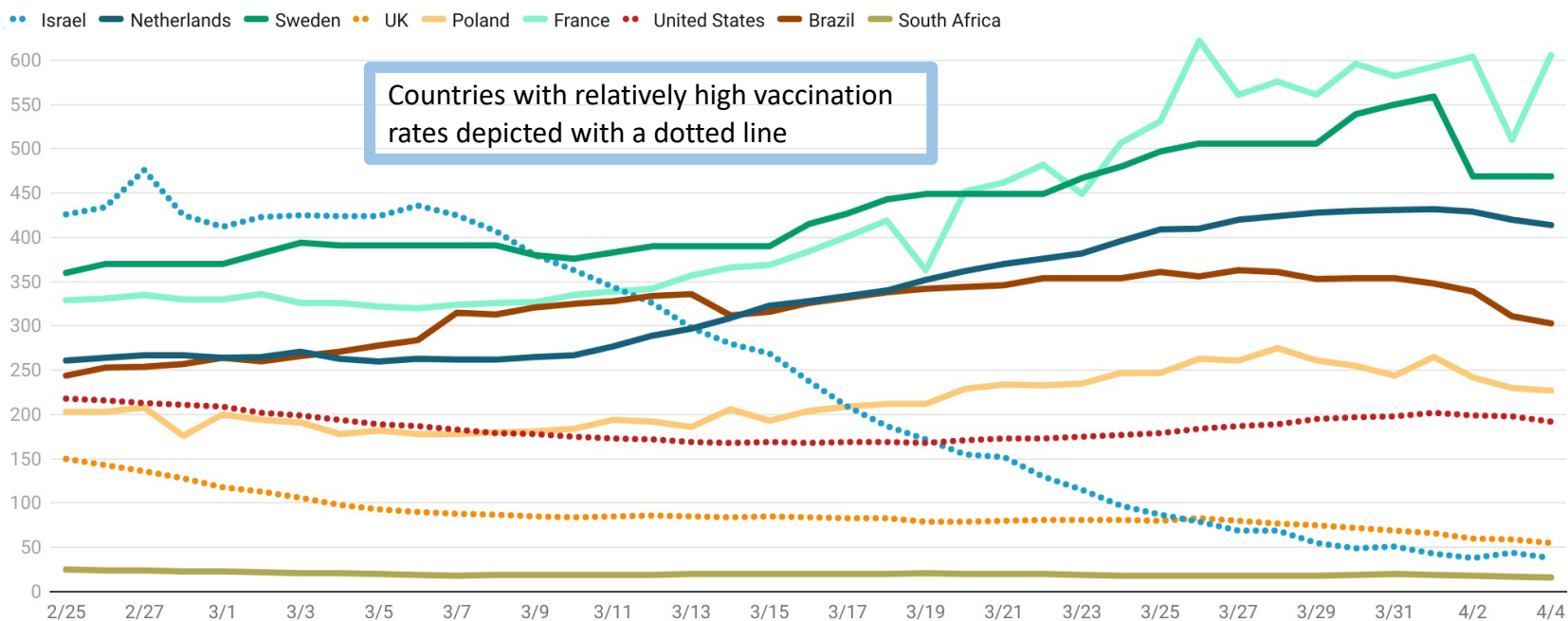


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Covid-19 "Vital Signs"

Newly Detected Cases / Million - US

The 7-day new case rate in the United States declined for the third straight day.

Newly-Detected Cases / Million

7-Day Average

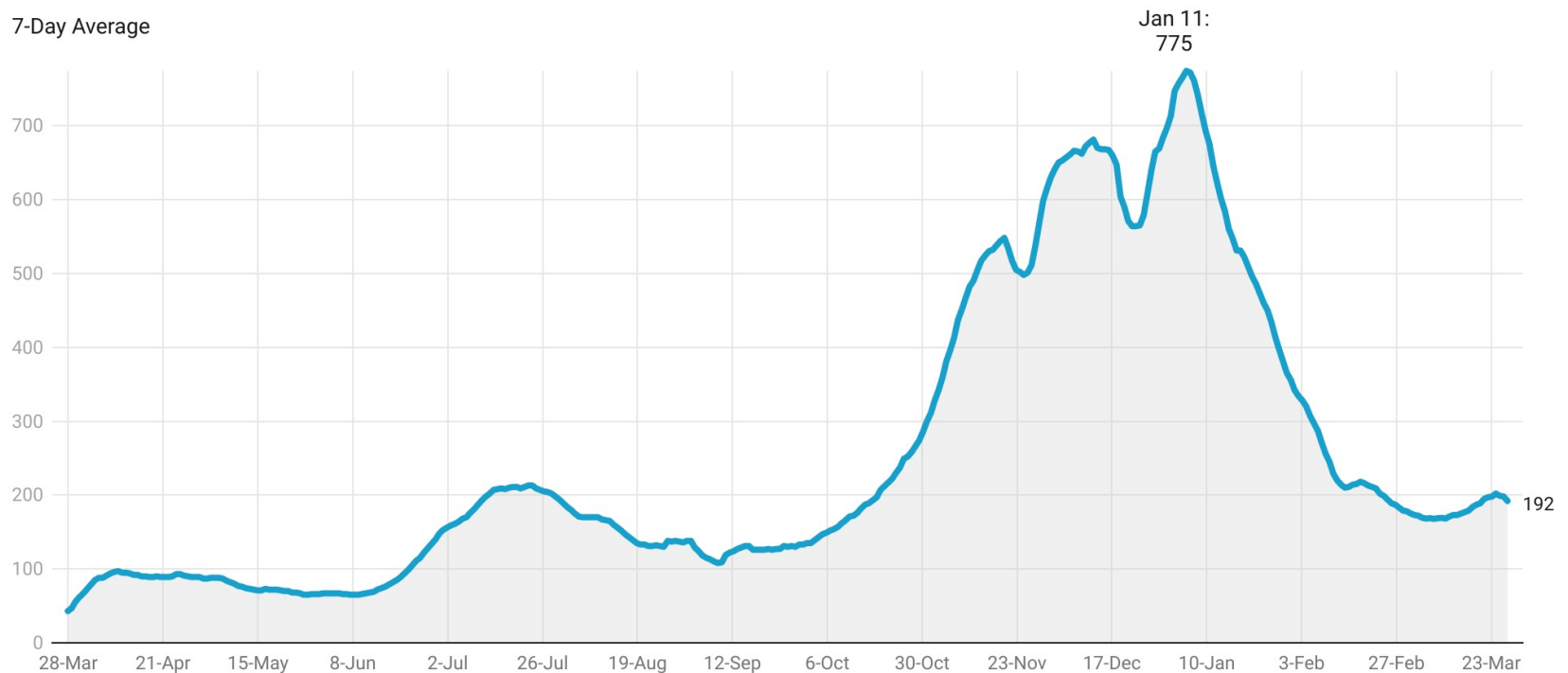


Chart: Health Industry Advisor LLC • Created with Datawrapper

Vaccines Per Person – Top Ten Countries & Others

Among large countries, Israel set the pace. The United Kingdom and the United States have done reasonably well.

Doses Per Person - Top Ten Countries Plus Others of Interest

Most Recent Data, As of April 4

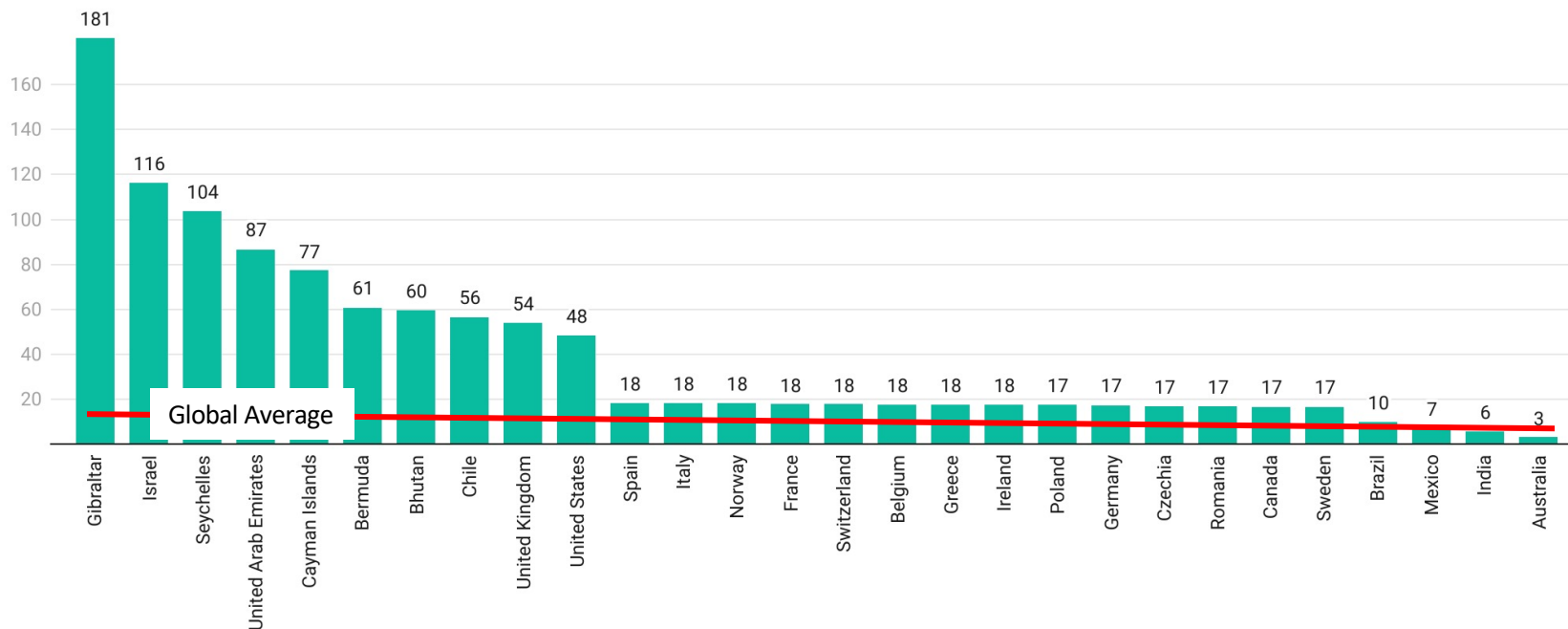


Chart: Health Industry Advisor LLC • Source: Our World In Data • Created with Datawrapper

Vaccines Per Person – By Continent

North America has set the pace among the continents, followed by Europe. Rates are far too low in Africa.

Doses Per Person - By Continent

Most Recent Data, As of April 4

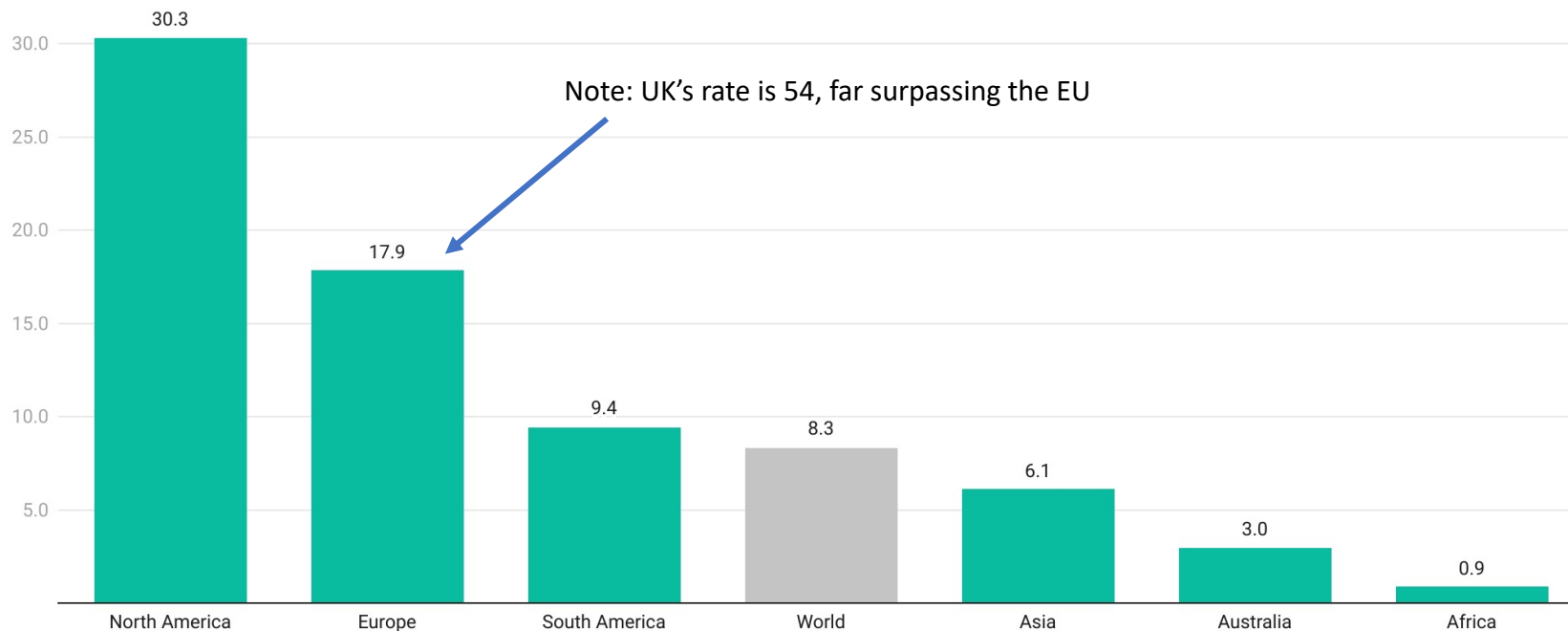
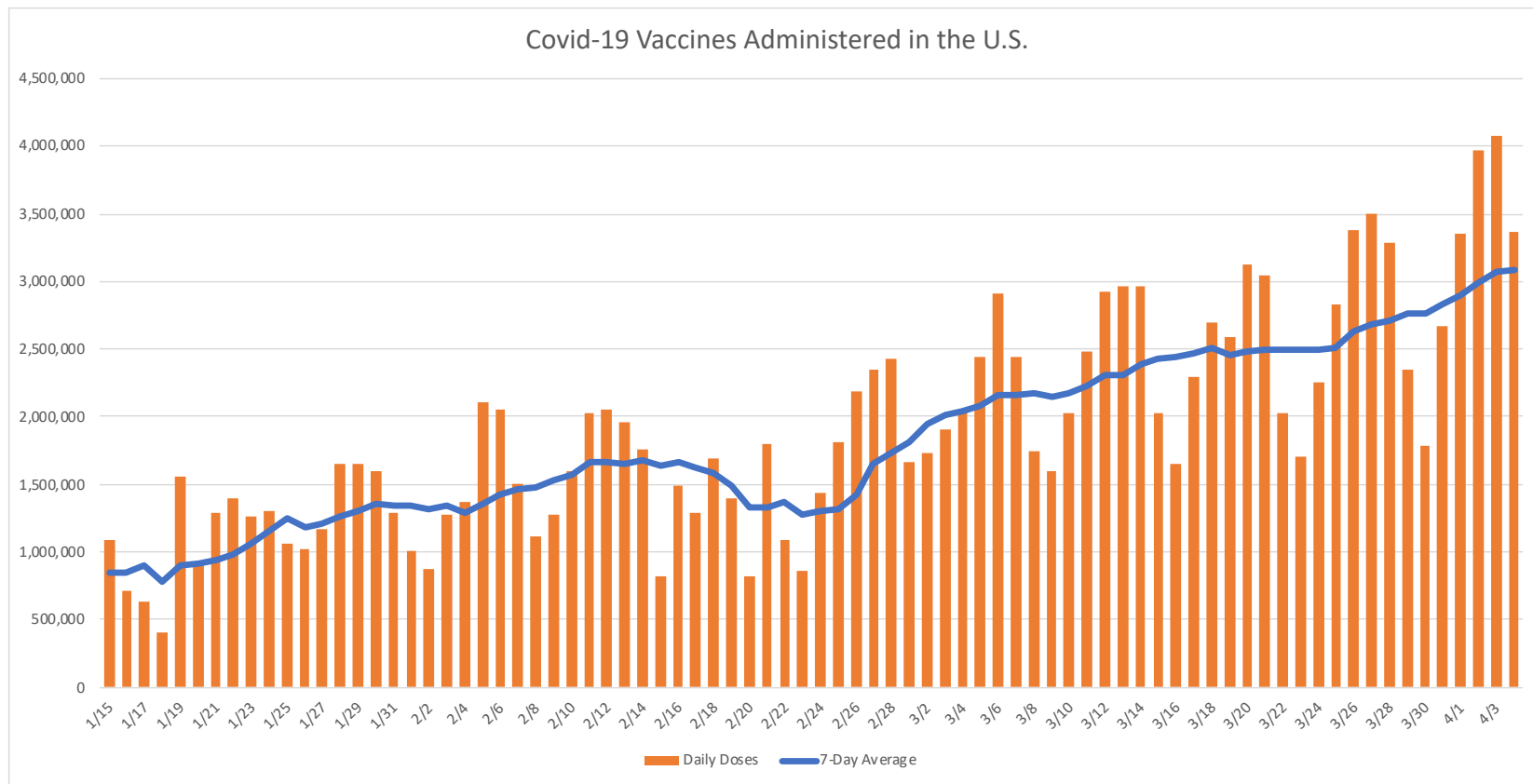


Chart: Health Industry Advisor LLC • Source: Our World In Data • Created with Datawrapper

Covid-19 "Vital Signs"

Pace of Vaccinations

The vaccination pace accelerated over the past week. As of yesterday, the U.S. is vaccinating an average of 3.1 million people daily (7-day average). The U.S. set new records for vaccinations on Thursday than again on Friday. Saturday's vaccinations were the fifth most of any day.



Covid-19 “Vital Signs”

Vaccine Tracking

To date, the US has distributed 208 million doses and administered 165 million., 60.7 million people are fully inoculated – nearly 24% of the adult population. Another 43 million people have received the first of two required doses.

Vaccination Progress

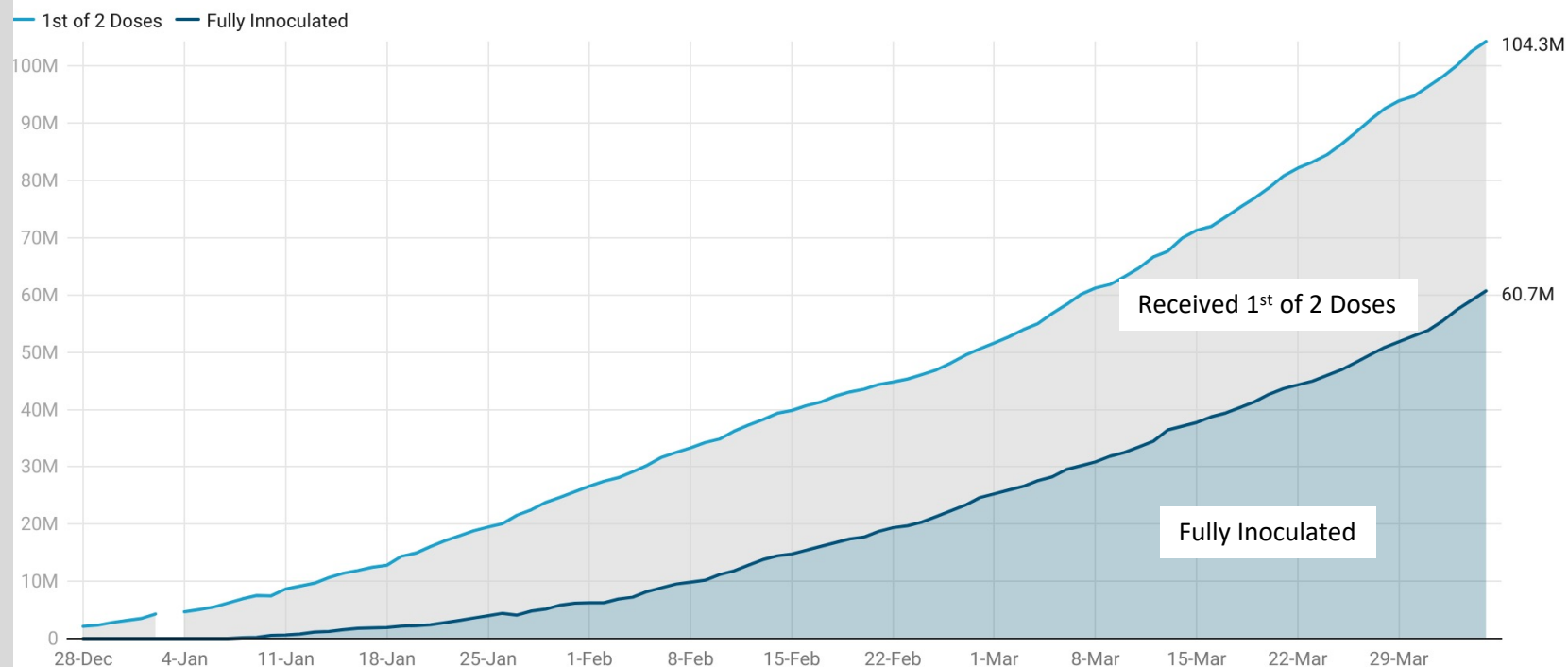


Chart: Health Industry Advisor LLC • Source: CDC, Bloomberg • Created with Datawrapper

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

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

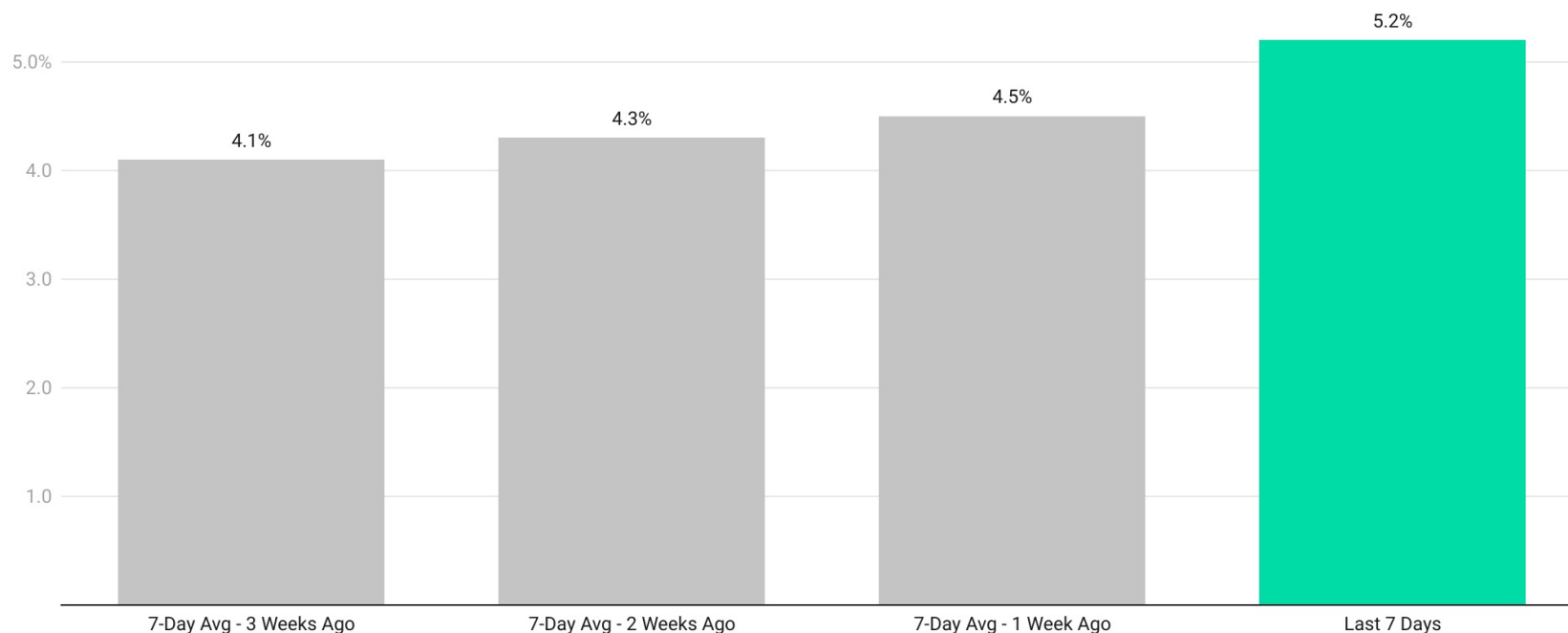


Chart: Health Industry Advisor LLC • Source: The Atlantic • Created with Datawrapper

Covid-19 "Vital Signs"

Covid-19 Inpatient Census

Covid-19 inpatient census was relatively stable over the past three weeks, despite the increase in new cases.

Hospitalized Covid-19 Patients

Compared to Same Day, Prior Weeks

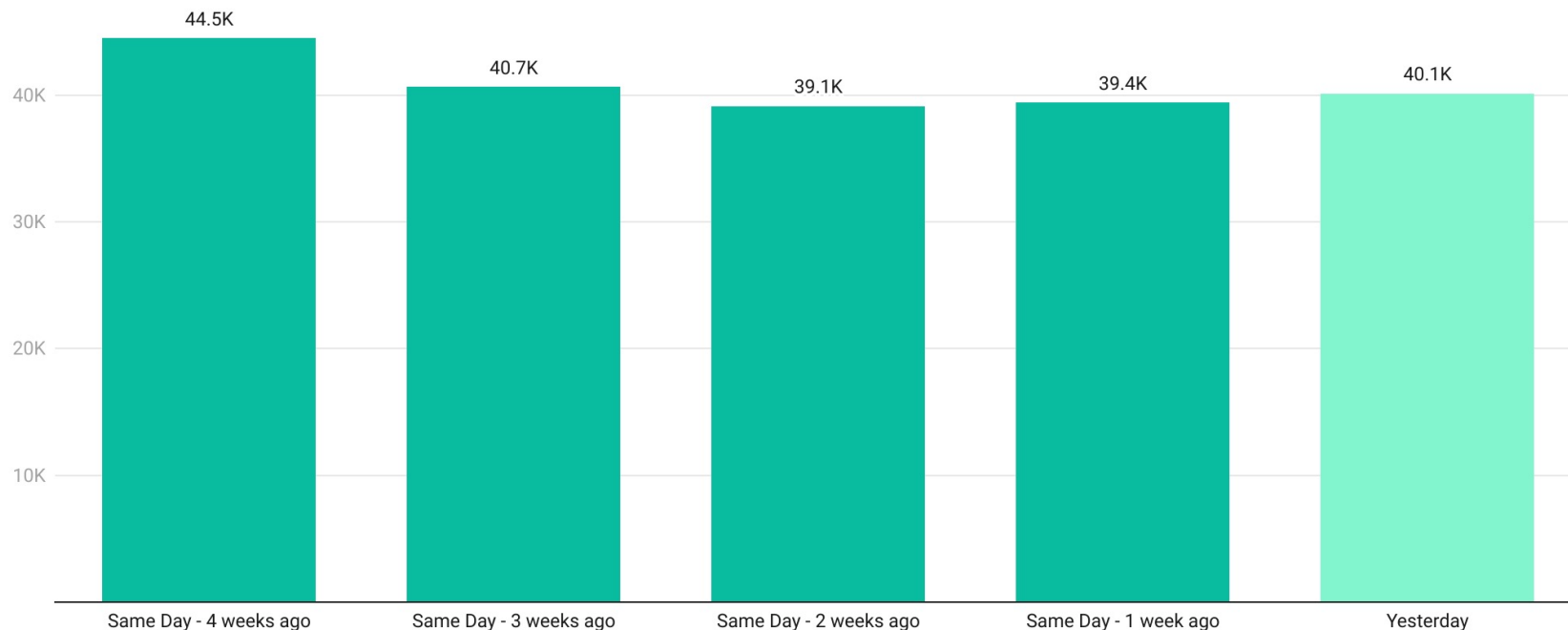


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Covid-19 "Vital Signs"

Deaths With Coronavirus

Deaths with coronavirus (7-day average) have declined by 74% 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 4



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 13% from last week and 33% in three weeks.

Daily Deaths Reported With Coronavirus

As of April 4

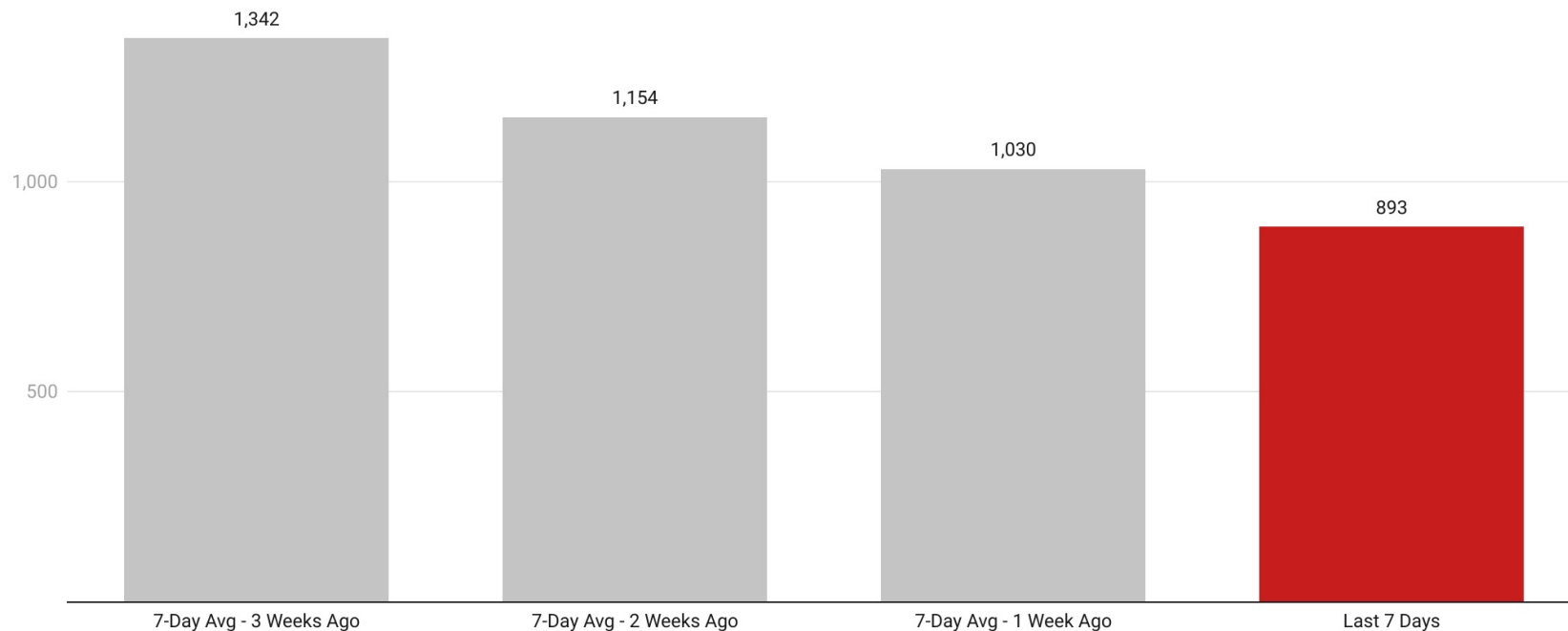


Chart: Health Industry Advisor LLC • Source: The Atlantic • Created with Datawrapper

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>