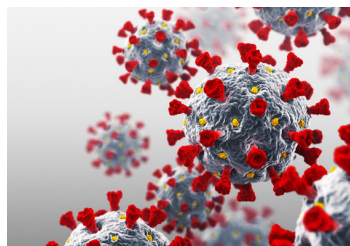


Covid-19 "Vital Signs"

Issue # 328

May 3, 2021



Vaccination Status By Age

83% of seniors are participating in the vaccination process; 70% are fully vaccinated. Nearly half of younger adults have received at least one shot; one-third are fully vaccinated..

Vaccination Status By Age

As of May 2

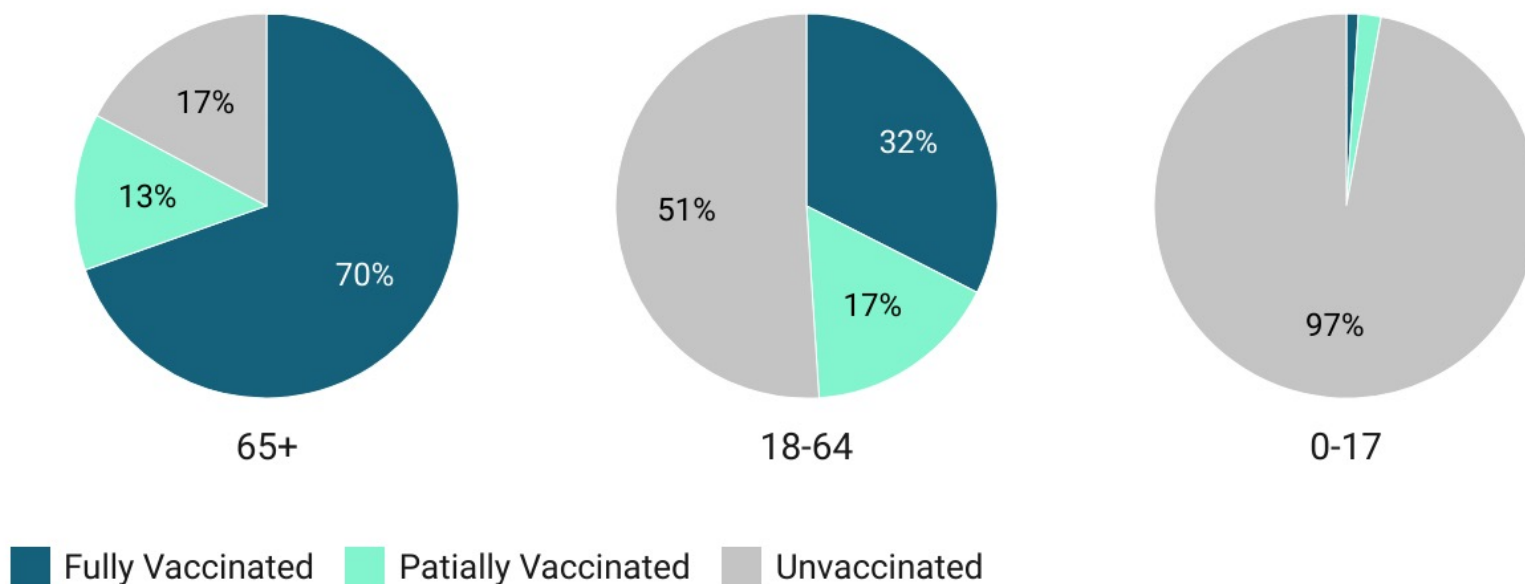
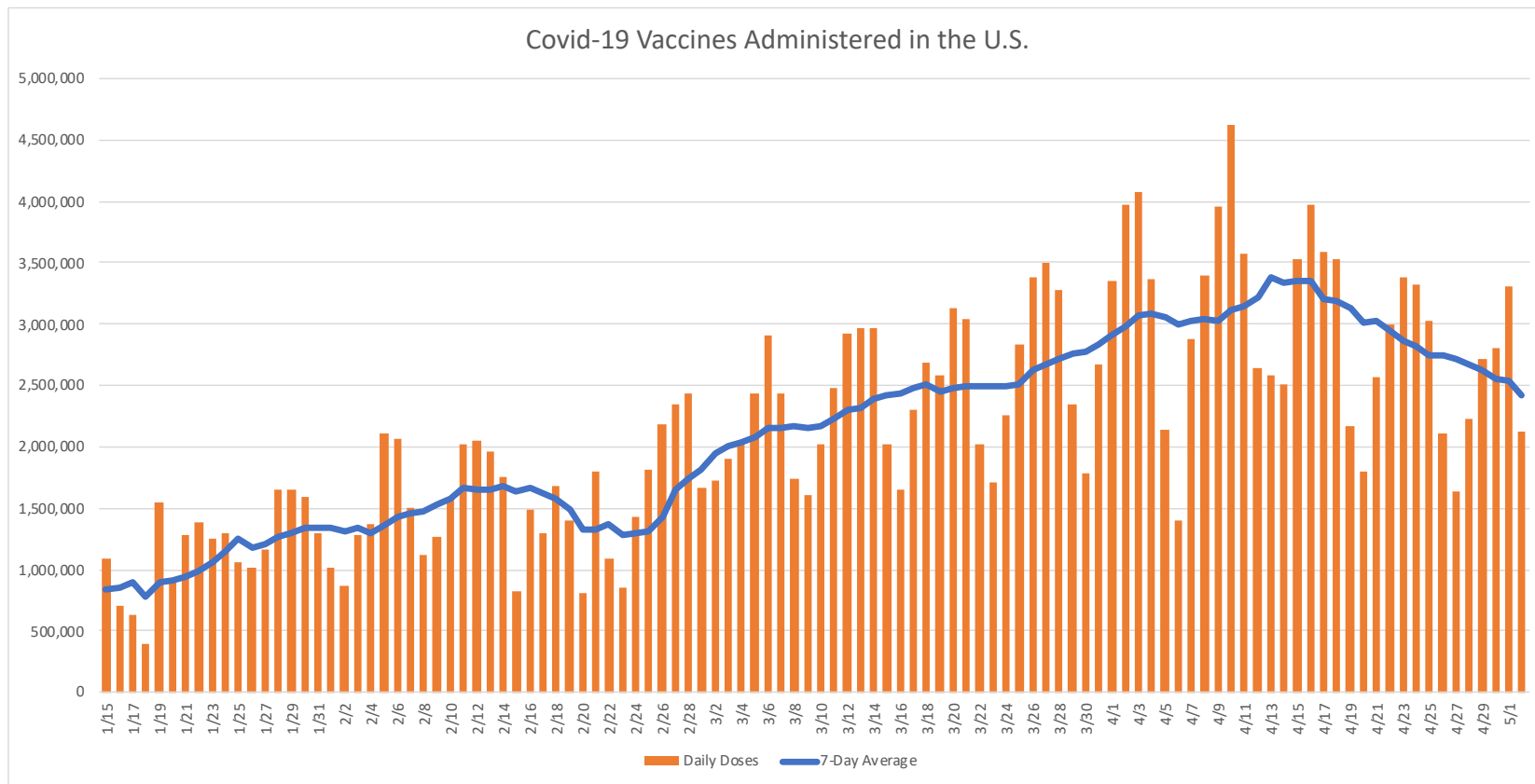


Chart: Health Industry Advisor LLC • Source: CDC • Created with Datawrapper

Covid-19 "Vital Signs"

Pace of Vaccinations

Vaccinations continue to decline, despite resumption of the JNJ/Janssen vaccine. The 7-day average has dropped to 2.4 million, from a peak of 3.4 million.



Covid-19 "Vital Signs"

Vaccine Tracking

To date, the US has distributed 312 million doses and administered 246 million. 104 million people are fully inoculated – 40.7% of the adult population. Another 38 million people have received the first of two required doses.

Vaccination Progress

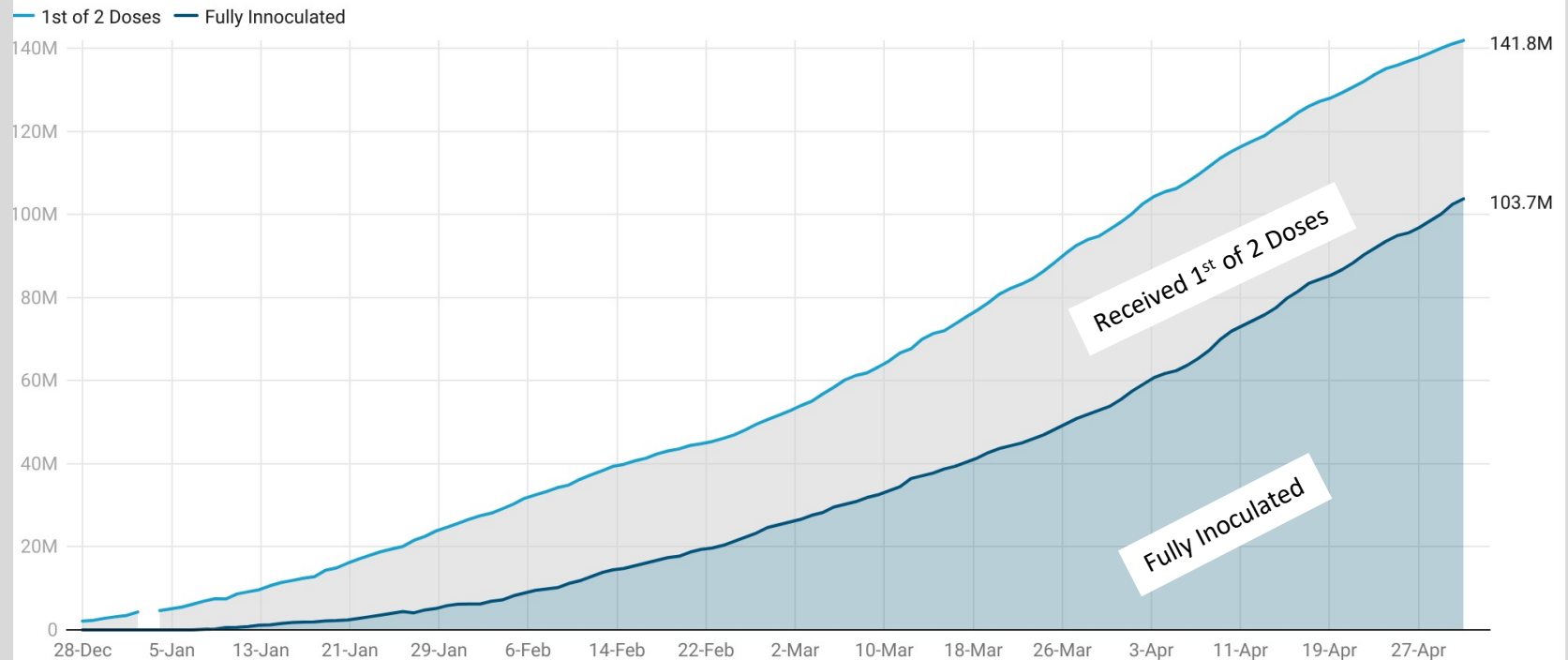


Chart: Health Industry Advisor LLC • Source: CDC, Bloomberg • Created with Datawrapper

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

Covid-19 "Vital Signs"

Pace of Worldwide Vaccinations

Israel and the UAE are pacing the world in vaccinating residents, with more than one vaccine per person. The United Kingdom and the United States rank eleventh and twelfth respectively in the world.

Doses Per 100 Persons - 25 Highest Country Rates

Most Recent Data, As of May 2

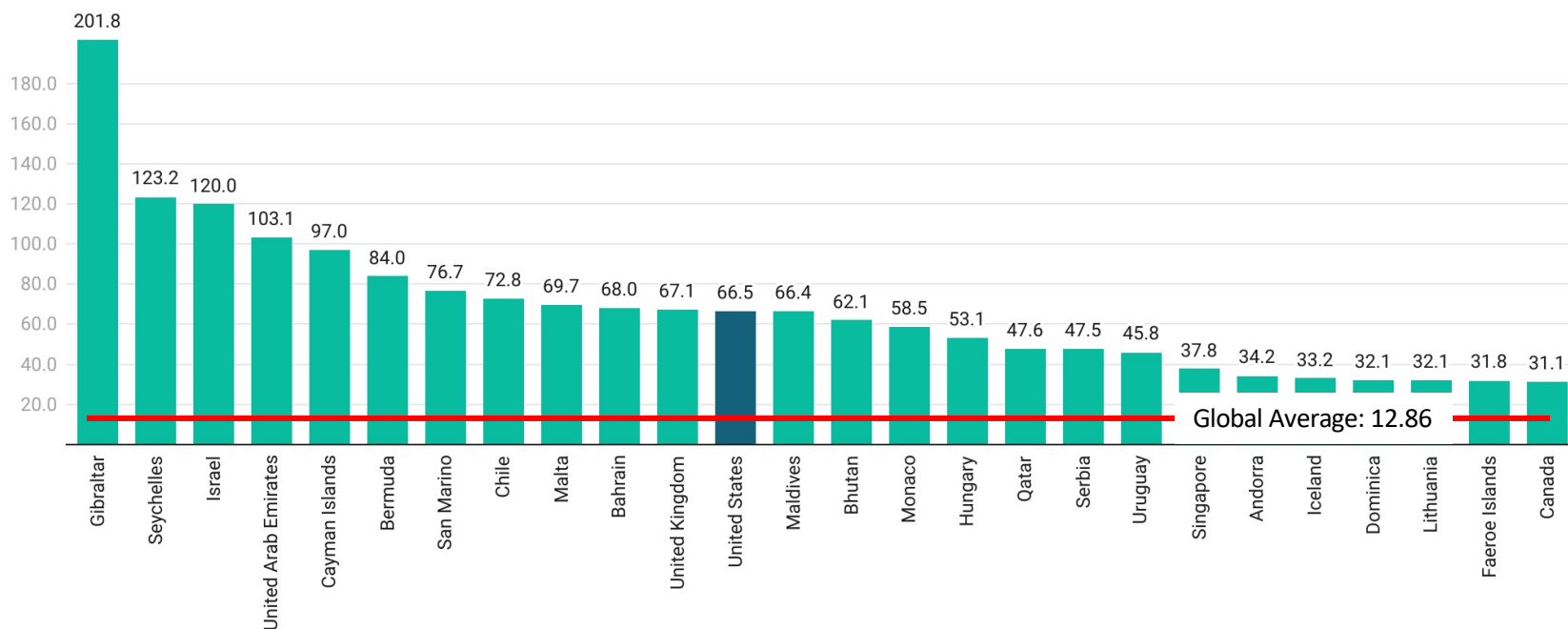


Chart: Health Industry Advisor LLC • Source: Our World In Data • Created with Datawrapper

<https://ourworldindata.org/covid-vaccinations>

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 100 People - By Continent

Most Recent Data, As of May 2

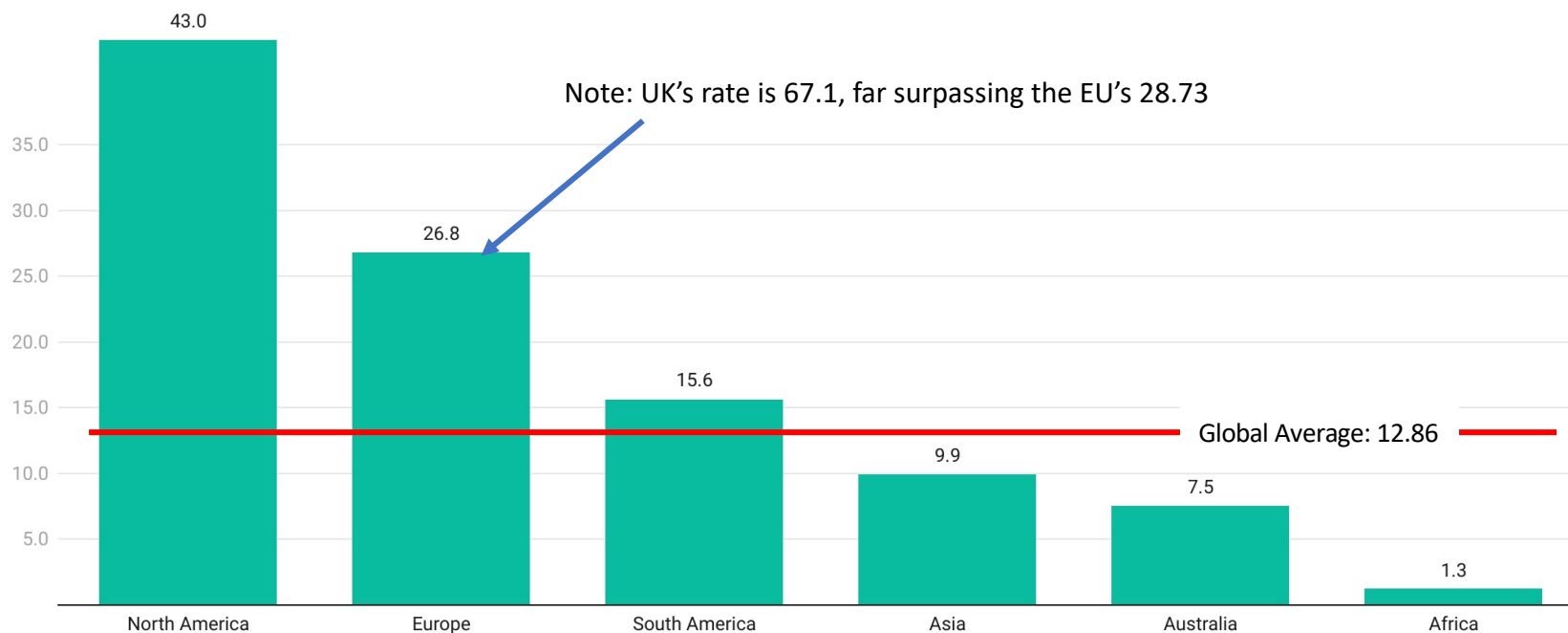


Chart: Health Industry Advisor LLC • Source: Our World In Data • Created with Datawrapper

Covid-19 "Vital Signs"

Newly Detected Cases Per Day

In the US, 7-day new case rate has been declining for the past few weeks. Outside the U.S., cases declined slightly week-over-week, after spiking for several weeks.

Newly Detected Cases

As of May 2

■ United States ■ Outside the US

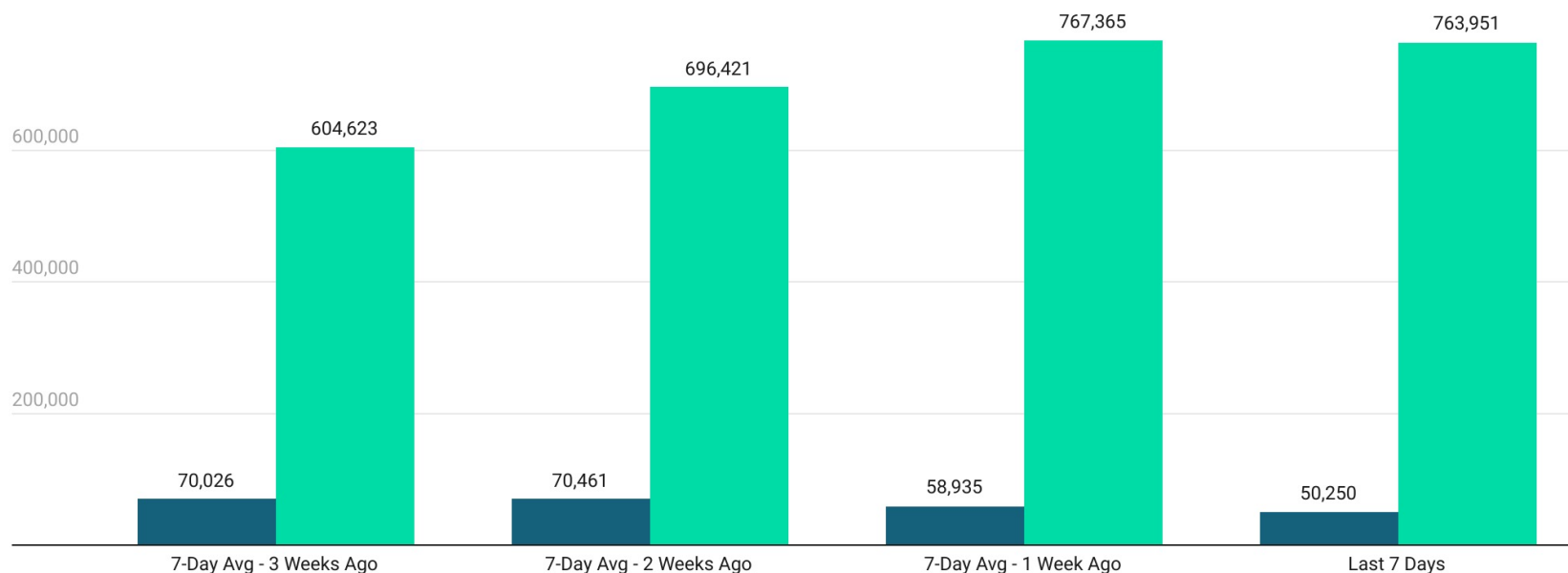


Chart: Health Industry Advisor LLC • Source: The Atlantic • Created with Datawrapper

Covid-19 "Vital Signs"

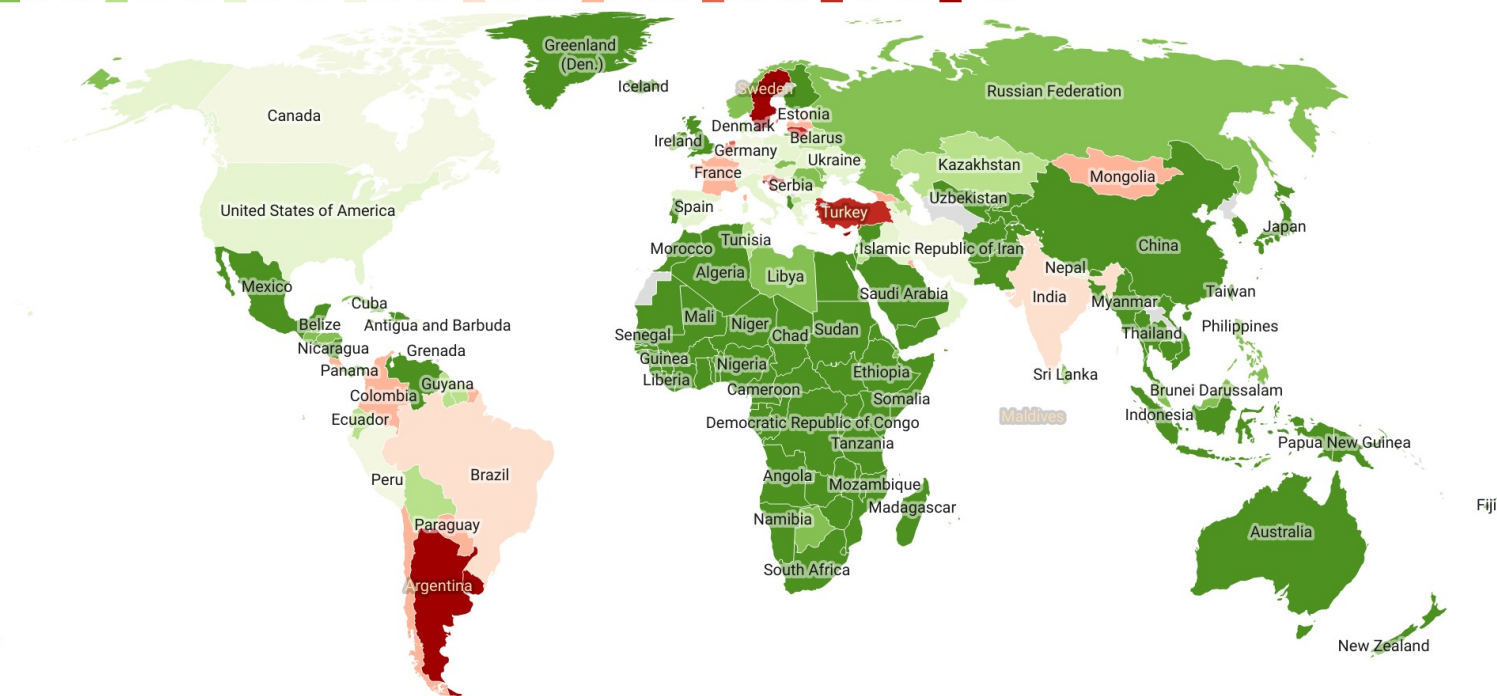
Newly Detected Cases / Million

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

New Infections / Million

7-Day Moving Average, As of May 2

■ < 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"

Highest Rate of Infection Prevalence Worldwide

One-in-ten Americans have experienced a detected Covid-19 infection. The US ranks 9th worldwide in infection prevalence (% of population with a detected case).

Ranking of Detected Case Prevalence

As of May 2

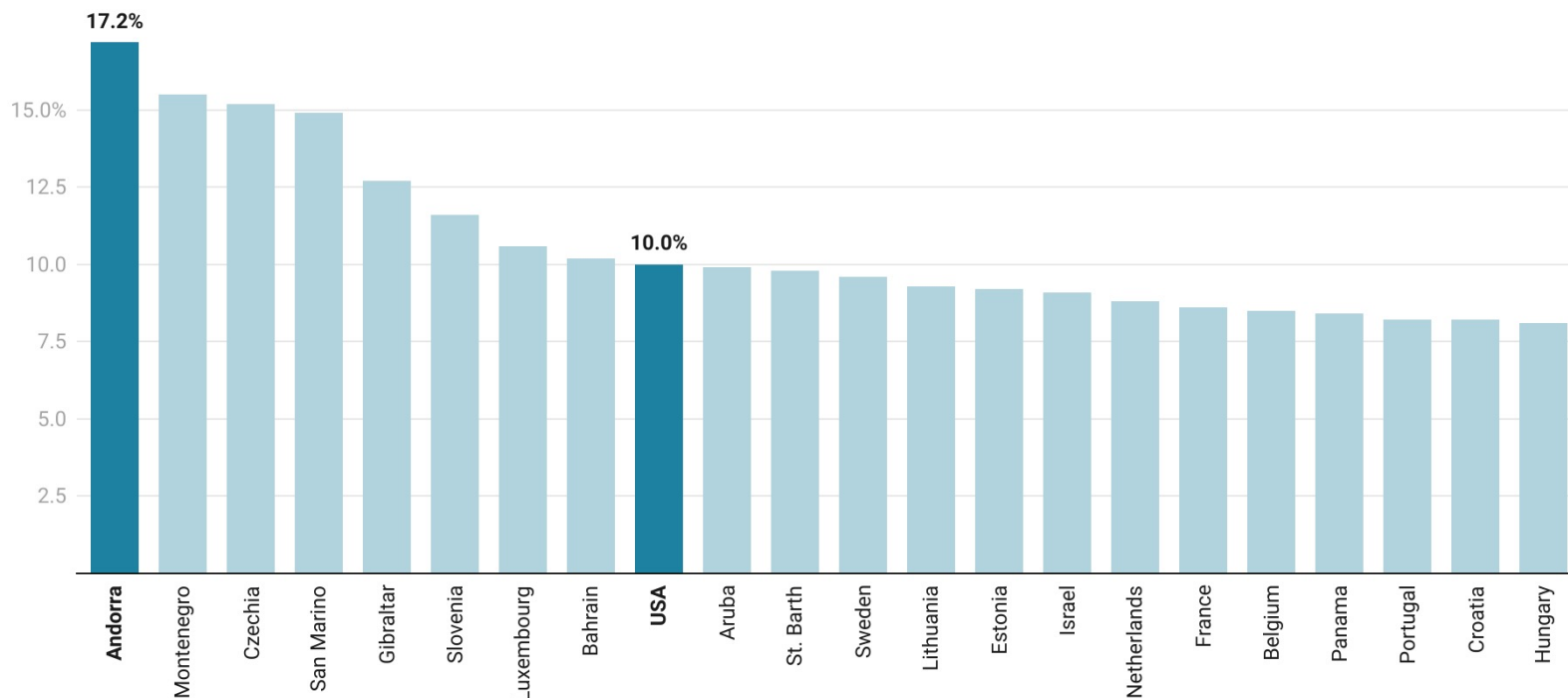


Chart: Health Industry Advisor LLC • Created with Datawrapper

Highest Current Infection Rates Worldwide

The United States ranks 61st globally in the 7-day new case rate per capita

7-Day New Cases / Million - Top 20 Country Rates & Selected Other Countries

As of May 2

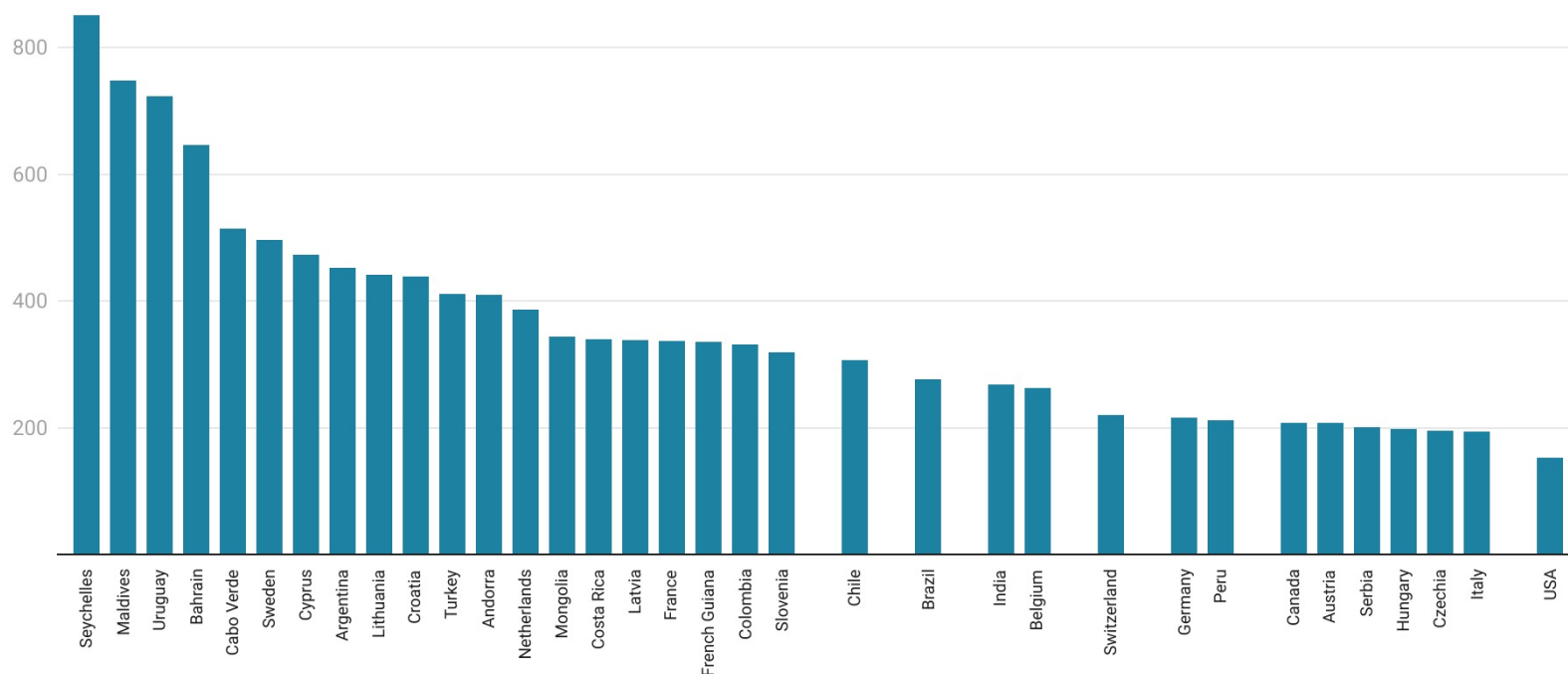
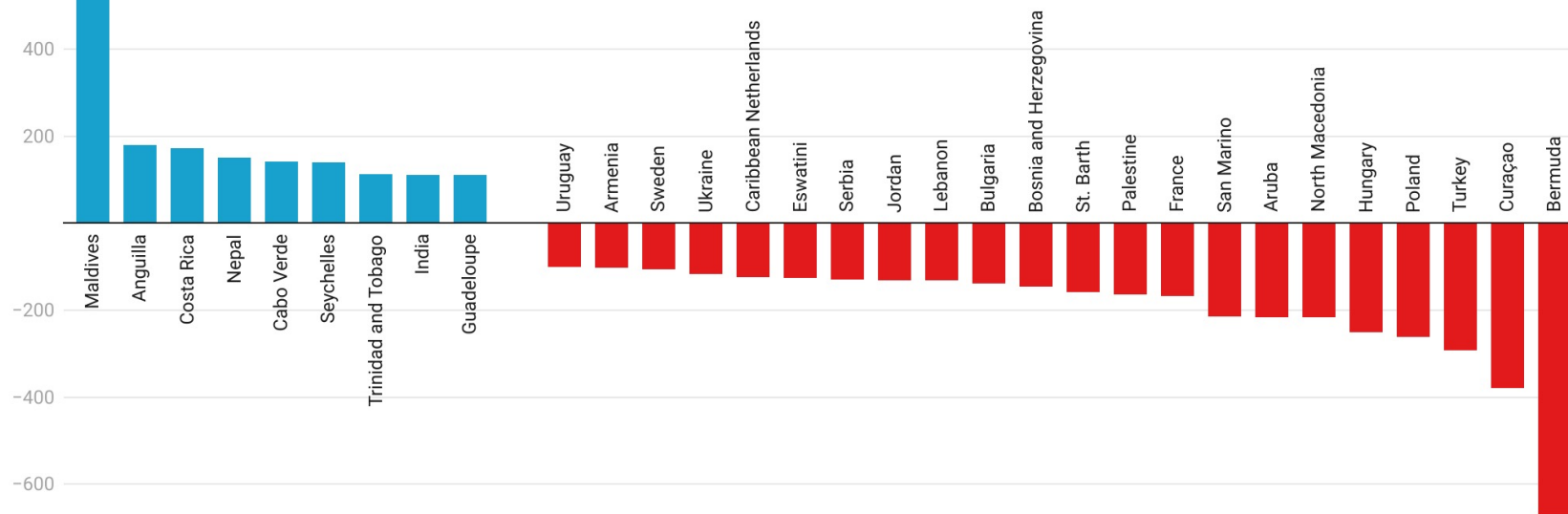


Chart: Health Industry Advisor LLC • Created with Datawrapper

Largest Change in Infection Rates in Last Two Weeks

Two Week Change in New Cases/Million

7-day Average Rate,



Countries with change of $\approx$ -100 new cases per M per day

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

Covid-19 "Vital Signs"

Case Trends – Select Countries of Interest

Cases are spiking in India. Turkey has seen strong improvement in the past two weeks.

Newly Detected Cases Per Million

7-Day Moving Average

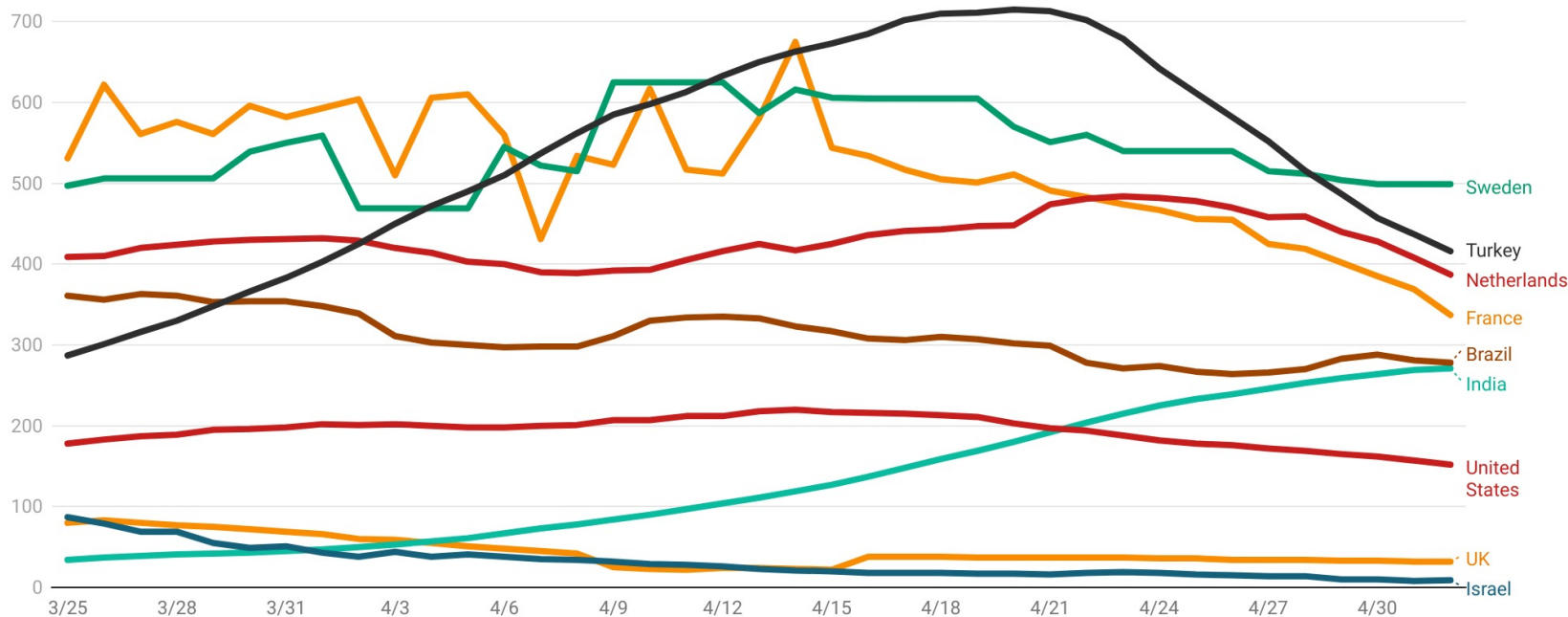


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

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>
- 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>