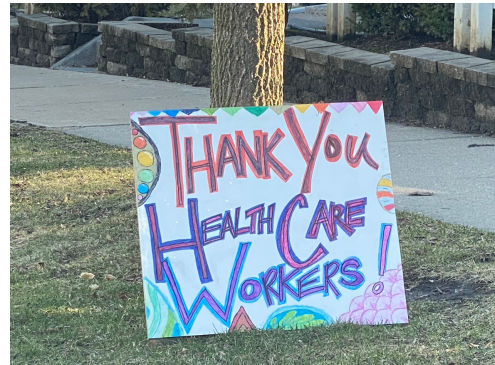
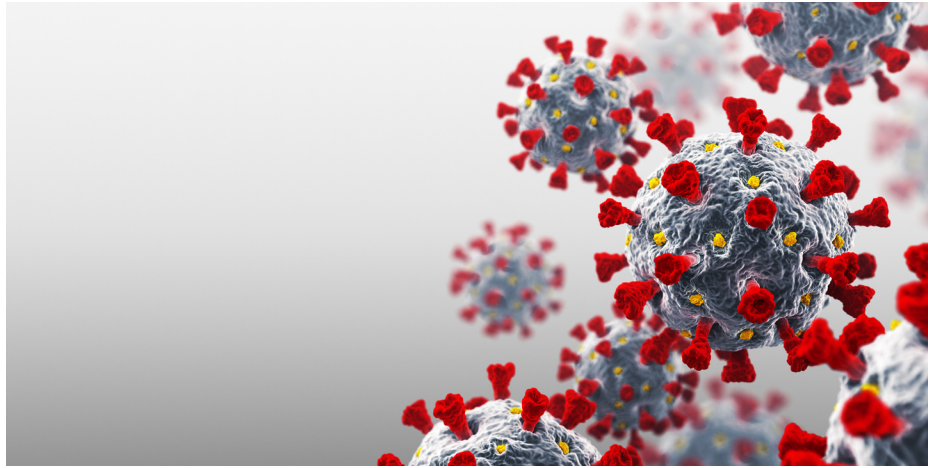
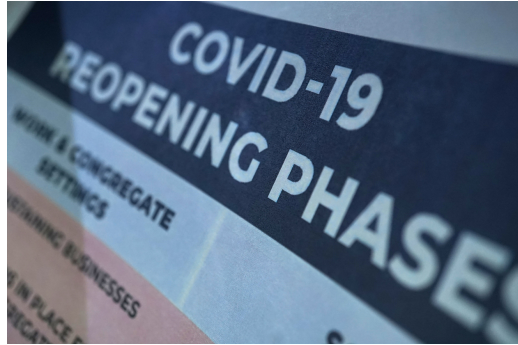




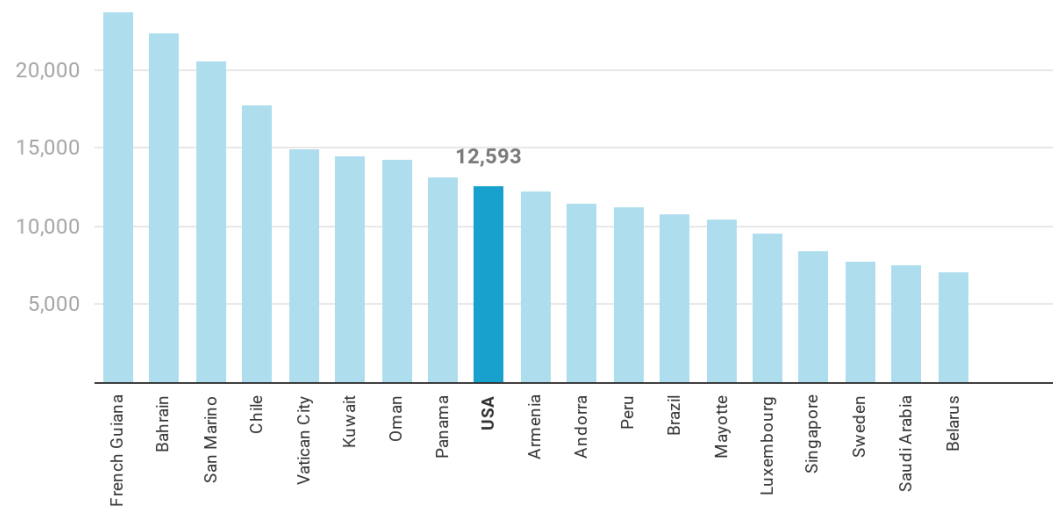
# COVID-19 Report

Issue # 114

Friday, July 24, 2020

- The United States continues to experience a difficult situation with the virus:
  - With the most total cases of any country, the United States ranks 9th overall in cases per capita, and 6th in this rate during the past week
  - Along with Brazil and India, the U.S. accounts for the majority of new cases worldwide in July
  - As of yesterday, 1-in-79 persons in the U.S. are known to have been infected with the virus; according to CDC estimates using serology-testing, the actual rate may be 10x higher
  - The United States ranks 11th in the world in coronavirus-related deaths per capita
  - More than 1,000 deaths with coronavirus were reported for the third consecutive day
- Worldwide:
  - French Guiana has the highest total infection rate per capita followed by Bahrain, San Marino and Chile
  - Kyrgyzstan has the highest rate during the past 7 days, followed by French Guiana, Oman and Bahrain
  - The rate of daily case growth is highest in Papa New Guinea, followed by Gambia and Zimbabwe
  - Deaths per capita are highest in San Marino, Belgium, Andorra, the United Kingdom and Spain
- The situation in the U.S., however, appears to be stabilizing:
  - On a week-over-week basis, new cases yesterday were slightly lower than last week. From June 18 - July 16, new cases increased on a week-over-week basis by 20-43%
  - The new daily infection rate per capita has been relatively stable for the past eight days, after more than tripling from mid-June to mid-July
  - COVID-19 hospitalized patients have increased by less 1% daily for the past nine days, after increasing by more than 4% daily the preceding nine-day period. Rates are declining in Arizona and may be stabilizing in Florida and Texas
  - The % of ER visits for coronavirus-related illnesses has steadily declined since July 8
- Nine states, including California and Louisiana, experienced their highest rate of new daily infections yesterday (on a trailing 7-day moving average basis). Arizona, however, is now 16 days removed from its peak rate; Florida, 6 days; Georgia and Texas are 4 days removed
- While hospitalizations have begun to slow, and have not kept pace with new cases, the 5 of patients in the ICU is increasing; the % of patients on ventilators has stabilized

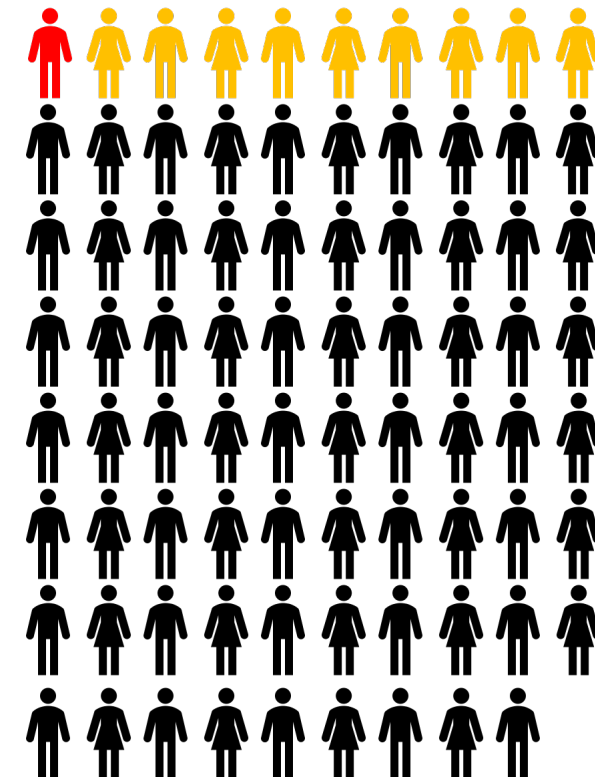
### Infections / Million Population



Health Industry Advisor LLC analysis

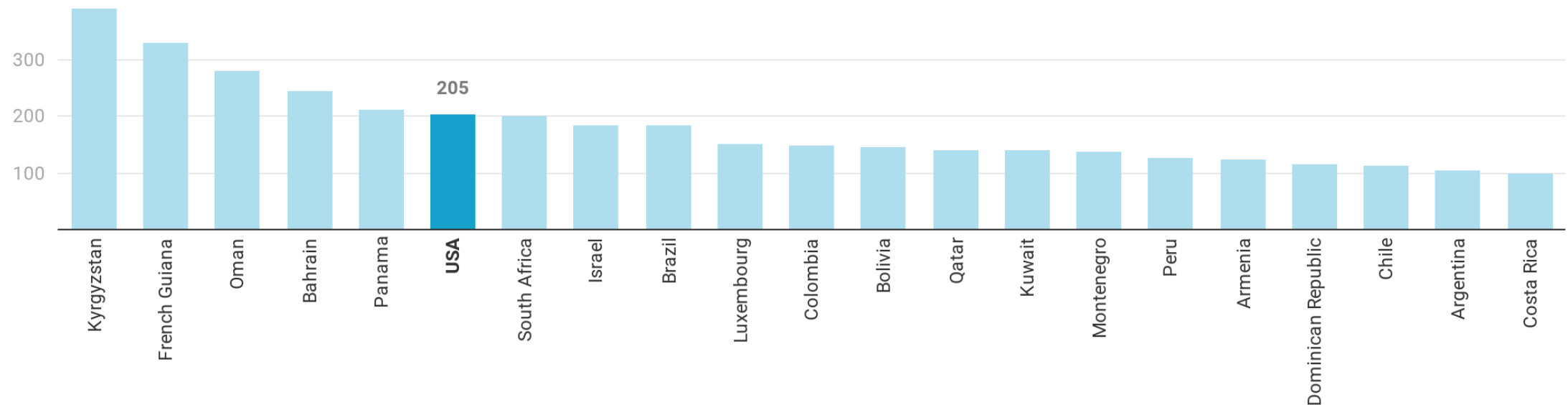
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Known infections are 1-in-79 people in the United States. The CDC, however, estimates that true infections could be 10x higher



## New Daily Infections / Million Population

Trailing 7-Day Moving Average, As of July 23

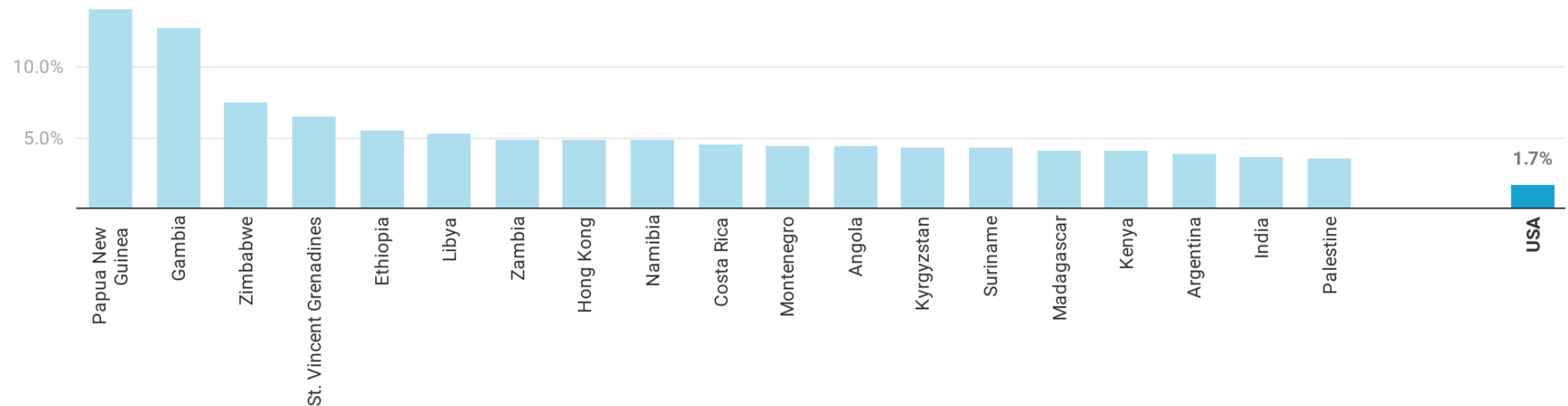


Health Industry Advisor LLC analysis

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

## Daily Case Growth %

Trailing 5-Day Moving Average, As of July 23

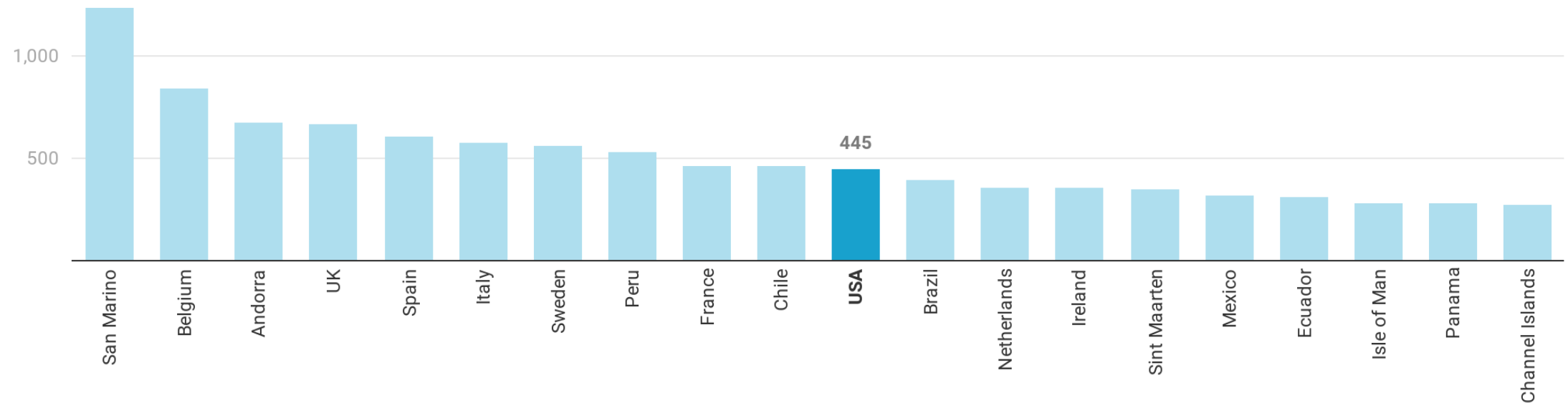


Health Industry Advisor LLC analysis

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

## Deaths/ Million Population

As of July 23

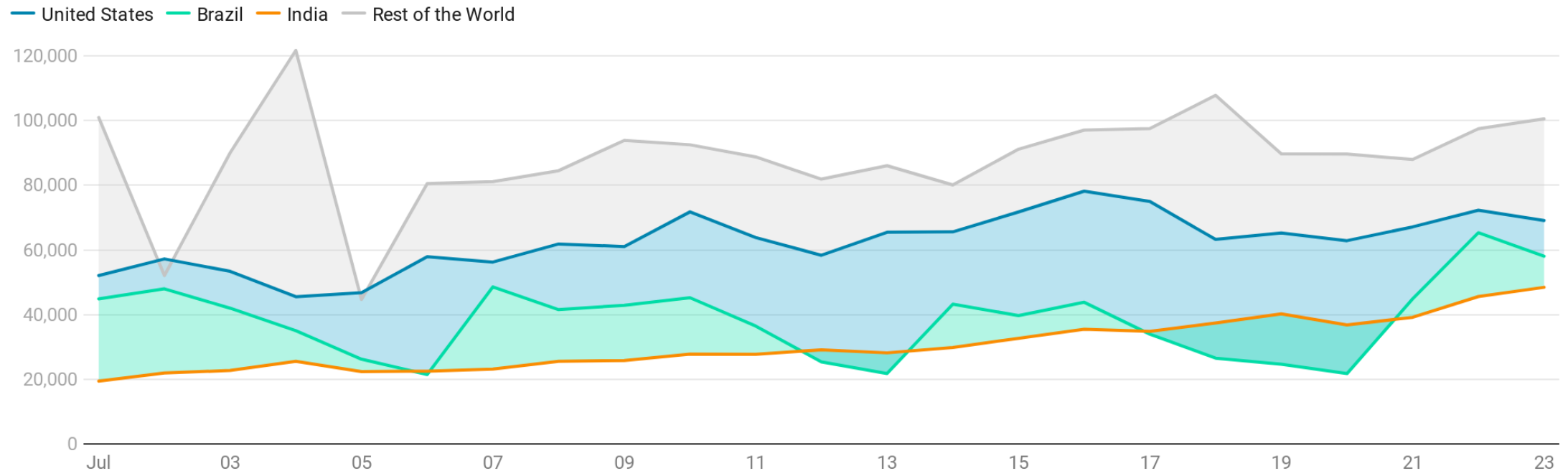


Health Industry Advisor LLC analysis

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

United States, Brazil and India accounted for most of the new cases in July; New cases are leveling off in the US, however, while they continue increasing in Brazil and India

## New Daily Cases

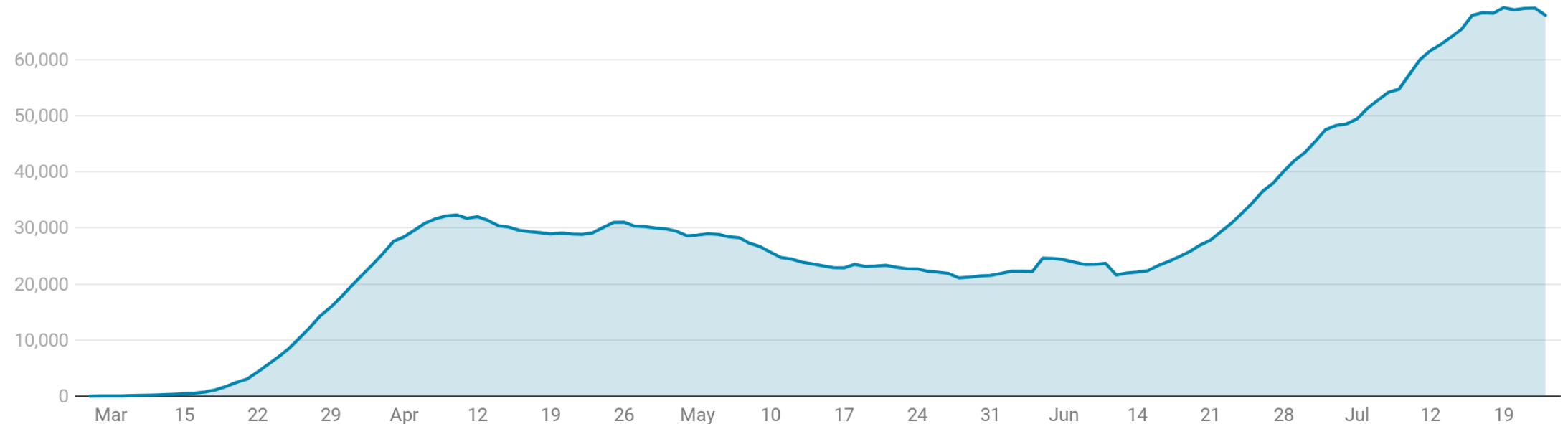


Health Industry Advisor LLC analysis

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

## New Daily Cases - United States

Trailing 7-Day Moving Average, As of July 23



*Health Industry Advisor LLC analysis*

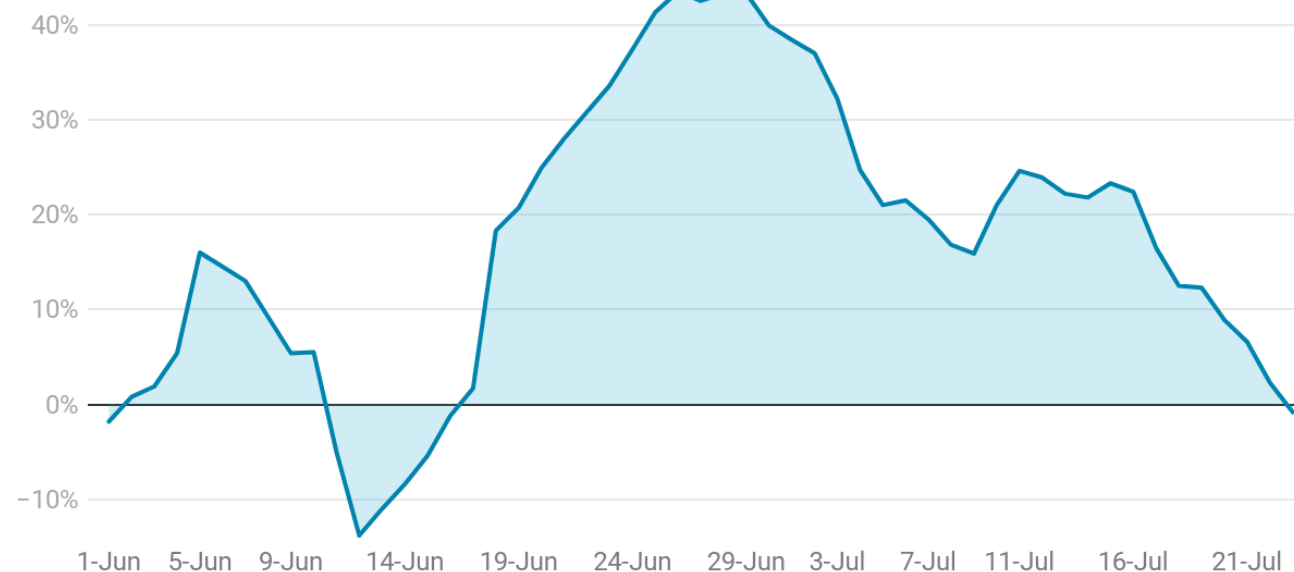
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

*United States*

**Leading Indicator: The rate of growth in new cases has slowed dramatically in the past 4 weeks – and, turned negative yesterday**

## Week-Over-Week Change In New Cases

United States



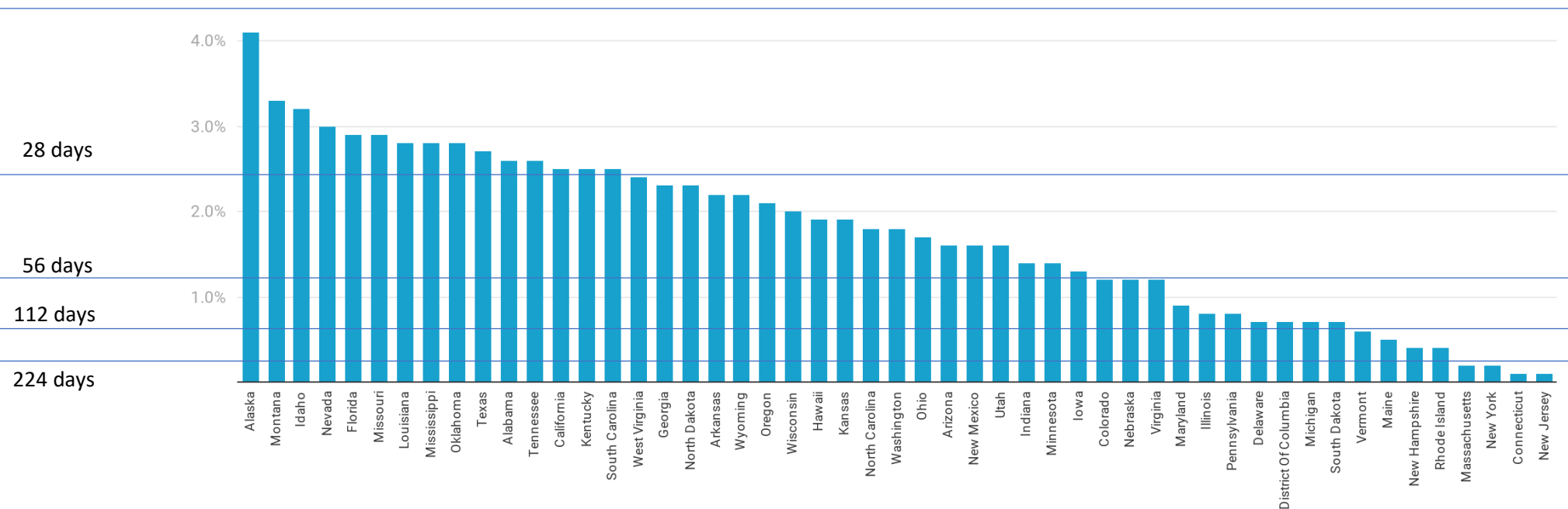
*Health Industry Advisor LLC analysis*

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

## Growth Rate in Total Cases

Trailing 5-Day Moving Average, As of July 23

14 days to double



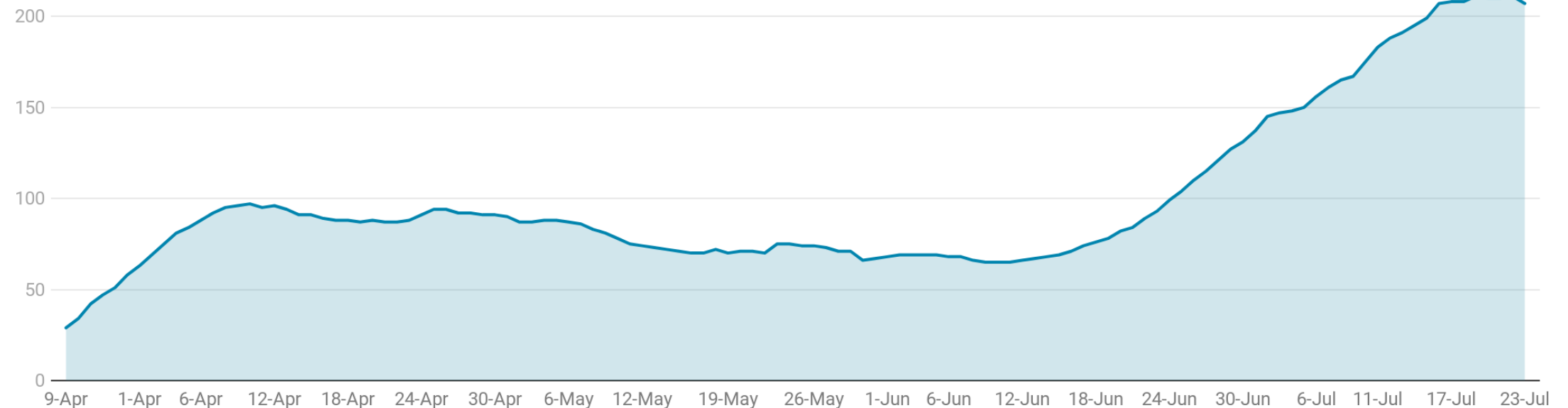
Health Industry Advisor LLC analysis

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

The new daily infection rate seems to be stabilizing, after 5 weeks of accelerated growth

## New Infections Per 1 Million Population - United States

Trailing 7-Day Moving Average, As of July 23

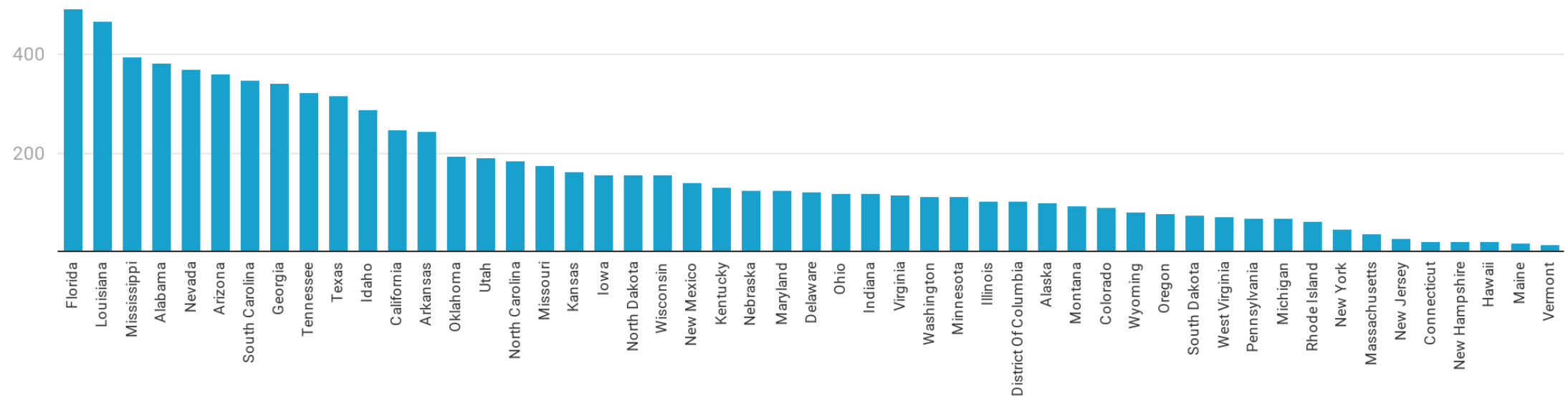


*Health Industry Advisor LLC analysis*

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

## New Daily Infections / Million Population

Trailing 7-Day Moving Average, As of July 23

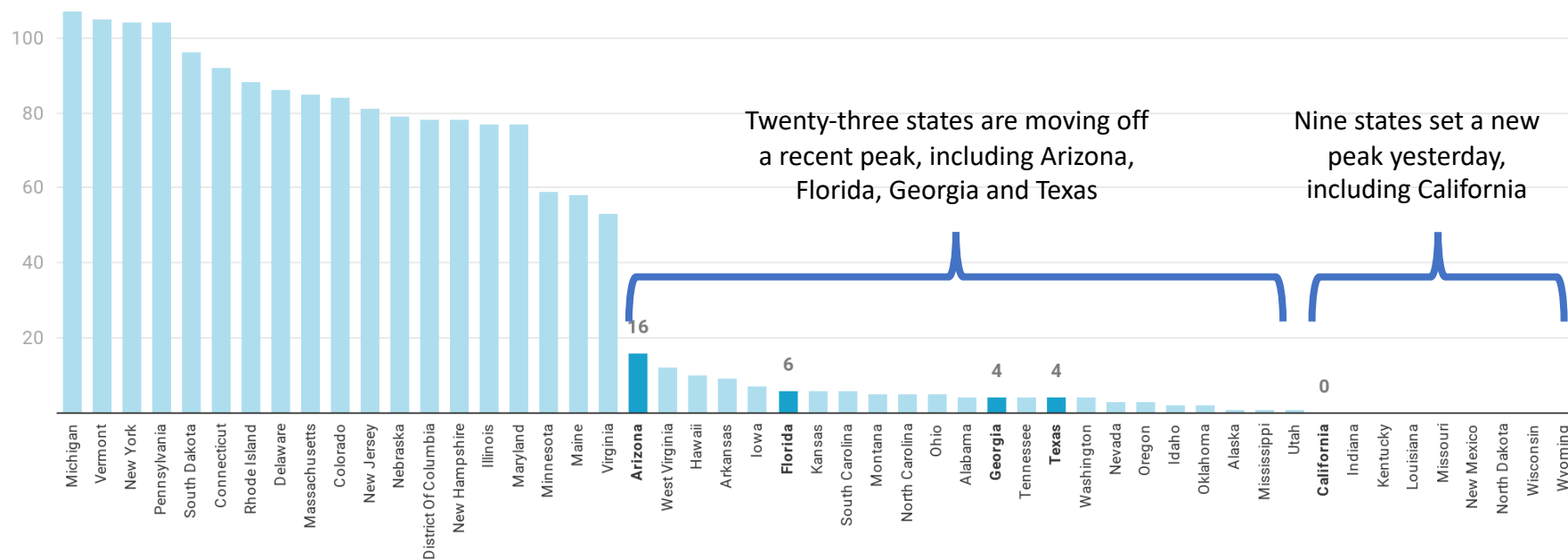


Health Industry Advisor LLC analysis

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

## Days Since Peak New Infection Rate

Trailing 7-Day Moving Average, As of July 23



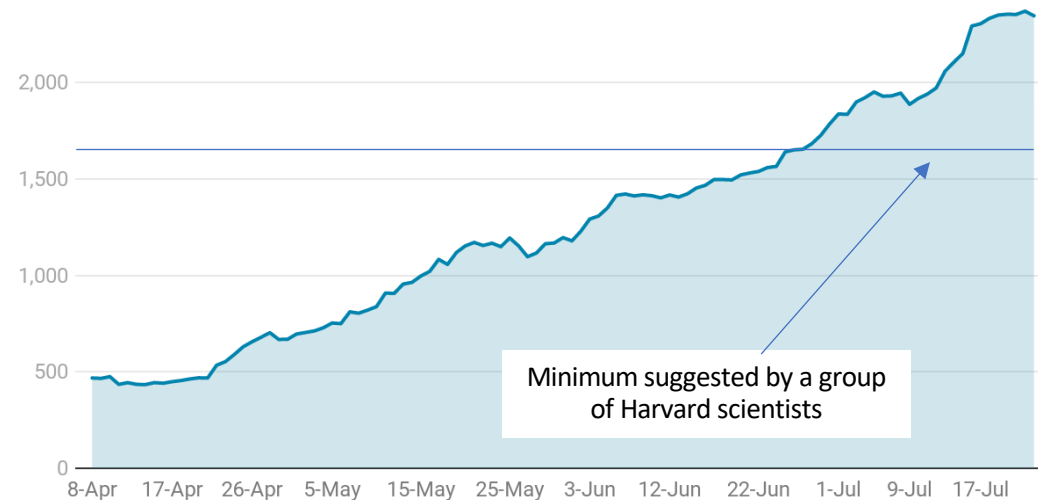
Health Industry Advisor LLC analysis

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

# Testing may be stabilizing; test-positive rate is stabilizing or slightly declining

## Daily Tests Per 1 Million - United States

Trailing 7-Day Moving Average, As of July 23

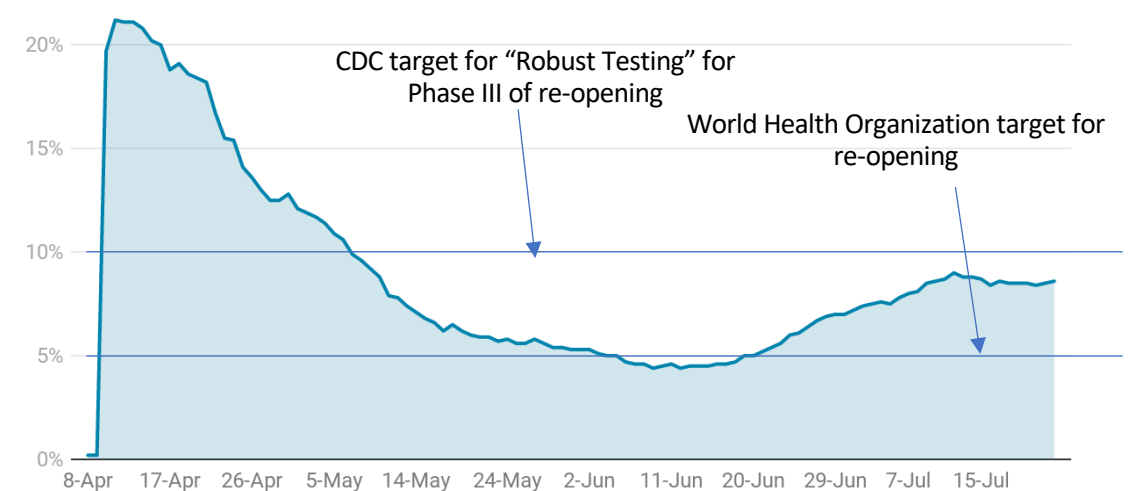


Health Industry Advisor LLC analysis

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

## Test-Positive Rate - United States

Trailing 7-Day Moving Average, As of July 23



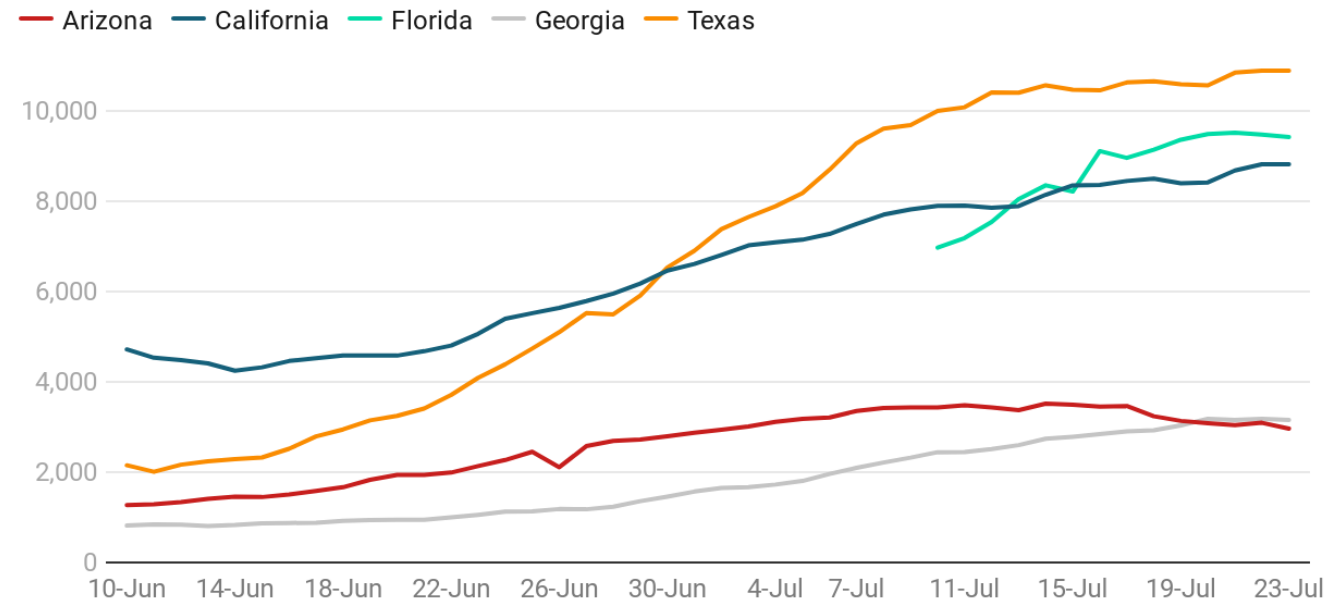
Health Industry Advisor LLC analysis

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

## Hospitalizations: Declining in Arizona; Stabilizing in Florida and Texas?

### Hospitalized COVID-19 Patients

As of July 23



*Health Industry Advisor LLC analysis,*

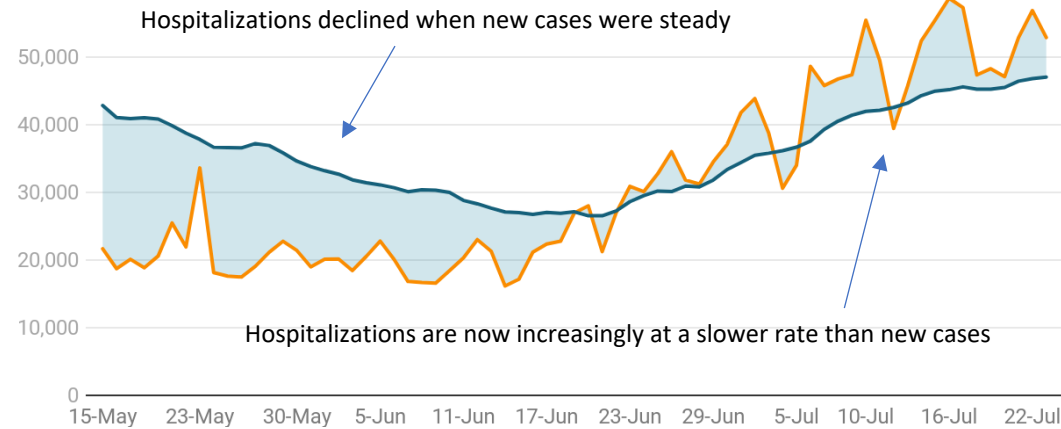
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

# Hospitalizations not keeping pace with new cases; Higher % of patients, however, are in the ICU

## Hospitalizations v. New Cases

As of July 23

— Hospitalizations — New Cases



Health Industry Advisor LLC analysis

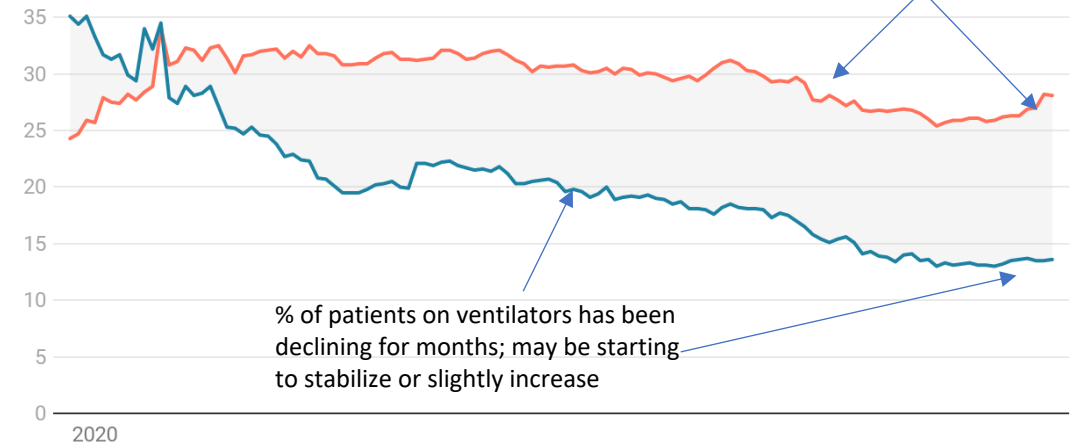
Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking Project • Created with Datawrapper

Data excludes: Alabama, Alaska, Florida, Hawaii, Idaho, Kansas, Nebraska and Tennessee – data either not reported or not consistently reported

## Severity of Hospitalized Patients

% of patients on ventilators and in the ICU, As of July 23

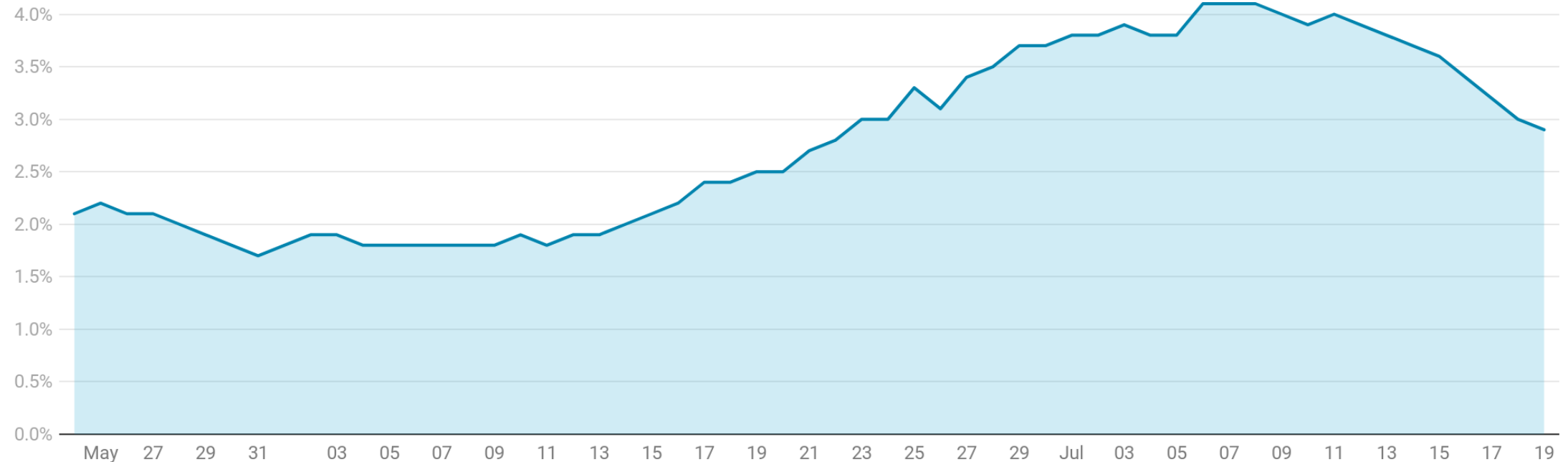
— % vent — % icu



Health Industry Advisor LLC analysis

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

## % of Emergency Department Visits for COVID-Like Illness



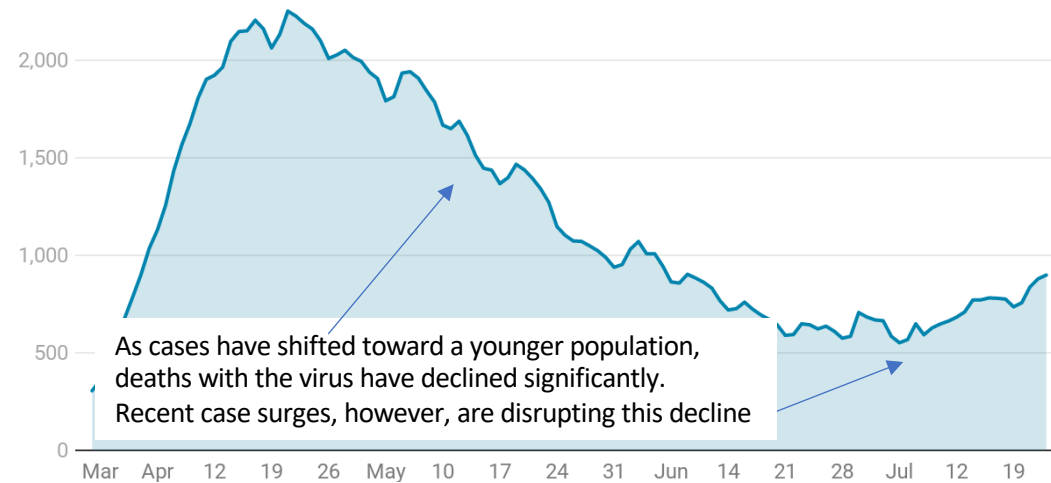
*Health Industry Advisor LLC analysis*

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

# Deaths turning back up again; Recoveries outnumber deaths by >13:1

## Deaths Recorded With Coronavirus in the U.S.

Trailing 7-Day Moving Average, As of July 23

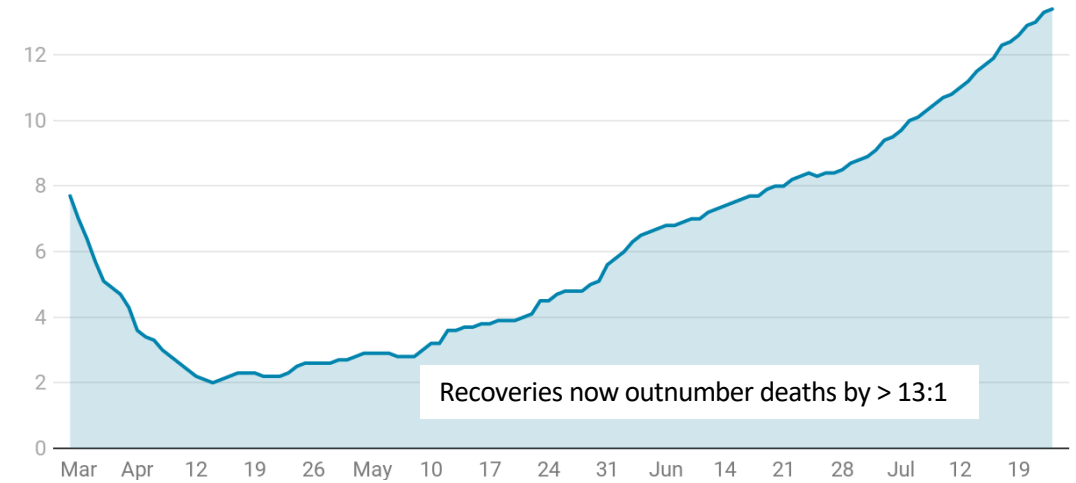


Health Industry Advisor LLC analysis

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

## Recoveries: Deaths - United States

As of July 23



Health Industry Advisor LLC analysis

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

# Worldwide Statistical Summary

Top 30 Countries By Total Cases  
As of July 23

| Country      | Total Cases | Rank | Cases per 1M Population | Rank2 | Deaths  | Rank3 | Death Rate | Rank4 | Deaths per 1 Million Population | Rank5 | 5-day Moving Average Case Growth Rate | Rank6 | Tests per 1M Population - Past 7 Days | Rank7 | New Daily Infections Per 1M Population (7-Day M.A.) | Rank9 |
|--------------|-------------|------|-------------------------|-------|---------|-------|------------|-------|---------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|-----------------------------------------------------|-------|
| USA          | 4,169,991   | (1)  | 12,593                  | (10)  | 147,333 | (1)   | 3.5%       | (69)  | 444.9                           | (11)  | 1.7%                                  | (61)  | 2,524                                 | (19)  | 204.9                                               | (6)   |
| Brazil       | 2,289,951   | (2)  | 10,768                  | (14)  | 84,207  | (2)   | 3.7%       | (62)  | 396.0                           | (12)  | 2.0%                                  | (52)  | (0)                                   | (203) | 184.9                                               | (9)   |
| India        | 1,288,130   | (3)  | 933                     | (102) | 30,645  | (6)   | 2.4%       | (98)  | 22.2                            | (99)  | 3.6%                                  | (19)  | 241                                   | (112) | 29.2                                                | (51)  |
| Russia       | 795,038     | (4)  | 5,448                   | (30)  | 12,892  | (11)  | 1.6%       | (130) | 88.3                            | (46)  | 0.8%                                  | (108) | 1,906                                 | (25)  | 41.3                                                | (45)  |
| South Africa | 408,052     | (5)  | 6,875                   | (21)  | 6,093   | (18)  | 1.5%       | (134) | 102.7                           | (39)  | 3.1%                                  | (30)  | 738                                   | (58)  | 201.8                                               | (7)   |
| Peru         | 371,096     | (6)  | 11,246                  | (13)  | 17,654  | (9)   | 4.8%       | (45)  | 535.0                           | (8)   | 1.2%                                  | (85)  | 668                                   | (65)  | 127.8                                               | (16)  |
| Mexico       | 362,274     | (7)  | 2,808                   | (61)  | 41,190  | (4)   | 11.4%      | (11)  | 319.3                           | (16)  | 1.8%                                  | (57)  | 103                                   | (132) | 49.4                                                | (39)  |
| Chile        | 338,759     | (8)  | 17,712                  | (5)   | 8,838   | (15)  | 2.6%       | (89)  | 462.1                           | (10)  | 0.6%                                  | (117) | 840                                   | (51)  | 112.5                                               | (19)  |
| Spain        | 317,246     | (9)  | 6,785                   | (22)  | 28,429  | (8)   | 9.0%       | (13)  | 608.0                           | (5)   | 0.6%                                  | (114) | 899                                   | (46)  | 34.6                                                | (48)  |
| UK           | 297,146     | (10) | 4,376                   | (40)  | 45,554  | (3)   | 15.3%      | (5)   | 670.8                           | (4)   | 0.2%                                  | (156) | 2,742                                 | (18)  | 9.7                                                 | (90)  |
| Iran         | 284,034     | (11) | 3,379                   | (51)  | 15,074  | (10)  | 5.3%       | (38)  | 179.3                           | (27)  | 0.9%                                  | (101) | 306                                   | (102) | 28.8                                                | (52)  |
| Pakistan     | 269,191     | (12) | 1,217                   | (92)  | 5,709   | (19)  | 2.1%       | (109) | 25.8                            | (94)  | 0.5%                                  | (122) | 95                                    | (134) | 7.3                                                 | (98)  |
| Saudi Arabia | 260,394     | (13) | 7,473                   | (19)  | 2,635   | (29)  | 1.0%       | (151) | 75.6                            | (51)  | 0.9%                                  | (95)  | 1,635                                 | (27)  | 70.3                                                | (29)  |
| Italy        | 245,338     | (14) | 4,058                   | (43)  | 35,092  | (5)   | 14.3%      | (7)   | 580.5                           | (6)   | 0.1%                                  | (169) | 737                                   | (59)  | 3.8                                                 | (122) |
| Colombia     | 226,373     | (15) | 4,446                   | (38)  | 7,688   | (16)  | 3.4%       | (74)  | 151.0                           | (32)  | 3.5%                                  | (21)  | 581                                   | (73)  | 149.2                                               | (11)  |
| Turkey       | 223,315     | (16) | 2,646                   | (63)  | 5,563   | (21)  | 2.5%       | (95)  | 65.9                            | (53)  | 0.4%                                  | (136) | 500                                   | (79)  | 10.9                                                | (87)  |
| Bangladesh   | 216,110     | (17) | 1,311                   | (90)  | 2,801   | (27)  | 1.3%       | (146) | 17.0                            | (103) | 1.4%                                  | (74)  | 74                                    | (142) | 17.2                                                | (64)  |
| Germany      | 205,142     | (18) | 2,448                   | (68)  | 9,187   | (13)  | 4.5%       | (49)  | 109.6                           | (37)  | 0.3%                                  | (153) | 910                                   | (45)  | 5.6                                                 | (109) |
| France       | 179,398     | (19) | 2,748                   | (62)  | 30,182  | (7)   | 16.8%      | (4)   | 462.3                           | (9)   | 0.5%                                  | (124) | 831                                   | (52)  | 12.2                                                | (81)  |
| Argentina    | 148,027     | (20) | 3,273                   | (53)  | 2,702   | (28)  | 1.8%       | (120) | 59.8                            | (57)  | 3.9%                                  | (18)  | 268                                   | (107) | 105.0                                               | (20)  |
| Canada       | 112,672     | (21) | 2,984                   | (56)  | 8,874   | (14)  | 7.9%       | (17)  | 235.0                           | (21)  | 0.5%                                  | (128) | 1,169                                 | (37)  | 12.9                                                | (78)  |
| Qatar        | 108,244     | (22) | 38,551                  | (1)   | 164     | (77)  | 0.2%       | (186) | 58.4                            | (60)  | 0.4%                                  | (141) | 1,279                                 | (34)  | 140.8                                               | (13)  |
| Iraq         | 102,226     | (23) | 2,538                   | (66)  | 4,122   | (26)  | 4.0%       | (54)  | 102.4                           | (40)  | 2.5%                                  | (41)  | 411                                   | (87)  | 57.0                                                | (34)  |
| Indonesia    | 93,657      | (24) | 342                     | (141) | 4,576   | (24)  | 4.9%       | (44)  | 16.7                            | (105) | 2.0%                                  | (53)  | 86                                    | (138) | 6.3                                                 | (107) |
| Egypt        | 90,413      | (25) | 883                     | (104) | 4,480   | (25)  | 5.0%       | (40)  | 43.7                            | (70)  | 0.7%                                  | (110) | -                                     | (164) | 6.5                                                 | (104) |
| China        | 83,729      | (26) | 58                      | (193) | 4,634   | (23)  | 5.5%       | (36)  | 3.2                             | (157) | 0.0%                                  | (175) | -                                     | (164) | 0.0                                                 | (185) |
| Sweden       | 78,763      | (27) | 7,796                   | (18)  | 5,676   | (20)  | 7.2%       | (18)  | 561.8                           | (7)   | 0.4%                                  | (140) | 980                                   | (42)  | 26.7                                                | (55)  |
| Ecuador      | 78,148      | (28) | 4,425                   | (39)  | 5,439   | (22)  | 7.0%       | (21)  | 308.0                           | (17)  | 1.3%                                  | (79)  | 181                                   | (119) | 54.9                                                | (35)  |
| Kazakhstan   | 76,799      | (29) | 4,087                   | (42)  | 585     | (53)  | 0.8%       | (161) | 31.1                            | (85)  | 2.3%                                  | (46)  | 649                                   | (67)  | 88.3                                                | (22)  |
| Philippines  | 74,341      | (30) | 678                     | (113) | 1,864   | (33)  | 2.5%       | (94)  | 17.0                            | (104) | 2.6%                                  | (37)  | 235                                   | (114) | 17.2                                                | (63)  |

## State-By-State Statistical Summary (page 1 of 2)

As of July 23

| State                | Total Cases | Rank | Cases per 1M Population | Rank2 | Deaths | Rank3 | Death Rate | Rank4 | Deaths per 1 Million Population | Rank5 | 5-day Moving Average Case Growth Rate | Rank6 | Tests per 1M Population Past 7 days | Rank7 | New Daily Cases Per 1M Population (5-Day M.A.) | Rank8 |
|----------------------|-------------|------|-------------------------|-------|--------|-------|------------|-------|---------------------------------|-------|---------------------------------------|-------|-------------------------------------|-------|------------------------------------------------|-------|
| Alabama              | 71,813      | (19) | 15,135                  | (10)  | 1,397  | (23)  | 1.9%       | (30)  | 285                             | (19)  | 2.6%                                  | (12)  | 1,993                               | (28)  | 382.4                                          | (4)   |
| Alaska               | 2,132       | (49) | 2,996                   | (47)  | 19     | (51)  | 0.9%       | (49)  | 26                              | (50)  | 4.1%                                  | (1)   | 5,172                               | (1)   | 97.4                                           | (34)  |
| Arizona              | 150,609     | (8)  | 21,012                  | (3)   | 3,063  | (15)  | 2.0%       | (28)  | 421                             | (15)  | 1.6%                                  | (30)  | 1,442                               | (42)  | 359.8                                          | (6)   |
| Arkansas             | 35,246      | (31) | 12,015                  | (22)  | 386    | (37)  | 1.1%       | (47)  | 128                             | (38)  | 2.2%                                  | (19)  | 2,155                               | (22)  | 243.6                                          | (13)  |
| California           | 422,313     | (2)  | 10,942                  | (24)  | 8,202  | (4)   | 1.9%       | (31)  | 208                             | (28)  | 2.5%                                  | (15)  | 3,119                               | (7)   | 245.1                                          | (12)  |
| Colorado             | 41,698      | (26) | 7,348                   | (36)  | 1,786  | (18)  | 4.3%       | (12)  | 310                             | (17)  | 1.2%                                  | (35)  | 1,220                               | (47)  | 89.0                                           | (36)  |
| Connecticut          | 48,223      | (22) | 13,528                  | (14)  | 4,410  | (10)  | 9.1%       | (1)   | 1,237                           | (3)   | 0.1%                                  | (50)  | 2,899                               | (9)   | 19.3                                           | (47)  |
| Delaware             | 13,792      | (40) | 14,299                  | (13)  | 529    | (34)  | 3.8%       | (16)  | 543                             | (12)  | 0.7%                                  | (41)  | 2,565                               | (13)  | 118.8                                          | (26)  |
| District Of Columbia | 11,529      | (41) | 16,395                  | (8)   | 581    | (33)  | 5.0%       | (9)   | 823                             | (6)   | 0.7%                                  | (43)  | 4,408                               | (3)   | 100.2                                          | (33)  |
| Florida              | 379,619     | (3)  | 18,152                  | (5)   | 5,520  | (8)   | 1.5%       | (42)  | 257                             | (25)  | 2.9%                                  | (5)   | 2,629                               | (12)  | 492.8                                          | (1)   |
| Georgia              | 152,302     | (7)  | 14,748                  | (12)  | 3,360  | (13)  | 2.2%       | (26)  | 316                             | (16)  | 2.3%                                  | (17)  | 2,136                               | (23)  | 340.6                                          | (8)   |
| Hawaii               | 1,435       | (50) | 1,052                   | (51)  | 26     | (49)  | 1.8%       | (34)  | 18                              | (51)  | 1.9%                                  | (23)  | 951                                 | (50)  | 18.1                                           | (49)  |
| Idaho                | 16,322      | (38) | 9,339                   | (27)  | 138    | (42)  | 0.8%       | (50)  | 77                              | (45)  | 3.2%                                  | (3)   | 1,591                               | (40)  | 287.2                                          | (11)  |
| Illinois             | 166,476     | (6)  | 13,266                  | (16)  | 7,560  | (5)   | 4.5%       | (11)  | 597                             | (9)   | 0.8%                                  | (39)  | 2,995                               | (8)   | 101.7                                          | (32)  |
| Indiana              | 58,673      | (20) | 8,853                   | (29)  | 2,880  | (16)  | 4.9%       | (10)  | 428                             | (14)  | 1.4%                                  | (32)  | 1,501                               | (41)  | 117.2                                          | (28)  |
| Iowa                 | 40,085      | (27) | 12,885                  | (19)  | 820    | (29)  | 2.0%       | (27)  | 260                             | (23)  | 1.3%                                  | (33)  | 1,804                               | (34)  | 155.6                                          | (19)  |
| Kansas               | 24,327      | (34) | 8,378                   | (34)  | 322    | (38)  | 1.3%       | (44)  | 111                             | (41)  | 1.9%                                  | (24)  | 1,437                               | (43)  | 159.7                                          | (18)  |
| Kentucky             | 24,540      | (33) | 5,629                   | (42)  | 684    | (31)  | 2.8%       | (24)  | 153                             | (34)  | 2.5%                                  | (13)  | 1,816                               | (33)  | 129.9                                          | (23)  |
| Louisiana            | 99,354      | (12) | 21,866                  | (2)   | 3,690  | (11)  | 3.7%       | (17)  | 794                             | (7)   | 2.8%                                  | (9)   | 4,632                               | (2)   | 468.3                                          | (2)   |
| Maine                | 3,723       | (46) | 2,780                   | (48)  | 118    | (44)  | 3.2%       | (20)  | 88                              | (43)  | 0.5%                                  | (45)  | 1,829                               | (32)  | 14.8                                           | (50)  |
| Maryland             | 80,172      | (16) | 13,371                  | (15)  | 3,409  | (12)  | 4.3%       | (13)  | 564                             | (10)  | 0.9%                                  | (37)  | 2,281                               | (19)  | 122.2                                          | (25)  |
| Massachusetts        | 114,320     | (9)  | 16,450                  | (7)   | 8,468  | (3)   | 7.4%       | (5)   | 1,219                           | (4)   | 0.2%                                  | (49)  | 1,406                               | (44)  | 35.7                                           | (45)  |
| Michigan             | 83,730      | (14) | 8,454                   | (33)  | 6,395  | (7)   | 7.6%       | (3)   | 640                             | (8)   | 0.7%                                  | (40)  | 2,740                               | (11)  | 65.7                                           | (42)  |
| Minnesota            | 47,961      | (23) | 8,639                   | (31)  | 1,601  | (20)  | 3.3%       | (19)  | 284                             | (21)  | 1.4%                                  | (31)  | 2,536                               | (15)  | 110.8                                          | (31)  |
| Mississippi          | 47,071      | (24) | 16,146                  | (9)   | 1,436  | (22)  | 3.1%       | (22)  | 483                             | (13)  | 2.8%                                  | (8)   | 1,925                               | (29)  | 396.3                                          | (3)   |

## State-By-State Statistical Summary (page 2 of 2)

As of July 23

| State          | Total Cases | Rank | Cases per 1M Population | Rank2 | Deaths  | Rank3 | Death Rate | Rank4 | Deaths per 1 Million Population | Rank5 | 5-day Moving Average Case Growth Rate | Rank6 | Tests per 1M Population Past 7 days | Rank7 | New Daily Cases Per 1M Population (5-Day M.A.) | Rank8 |
|----------------|-------------|------|-------------------------|-------|---------|-------|------------|-------|---------------------------------|-------|---------------------------------------|-------|-------------------------------------|-------|------------------------------------------------|-------|
| Missouri       | 38,398      | (29) | 6,464                   | (41)  | 1,214   | (25)  | 3.2%       | (21)  | 198                             | (29)  | 2.9%                                  | (6)   | 1,722                               | (36)  | 175.0                                          | (17)  |
| Montana        | 2,813       | (47) | 2,723                   | (49)  | 43      | (48)  | 1.5%       | (40)  | 40                              | (49)  | 3.3%                                  | (2)   | 2,456                               | (16)  | 90.8                                           | (35)  |
| Nebraska       | 23,486      | (35) | 12,313                  | (21)  | 316     | (39)  | 1.3%       | (43)  | 163                             | (33)  | 1.2%                                  | (36)  | 1,650                               | (37)  | 124.4                                          | (24)  |
| Nevada         | 38,657      | (28) | 12,960                  | (18)  | 709     | (30)  | 1.8%       | (33)  | 230                             | (27)  | 3.0%                                  | (4)   | 2,008                               | (27)  | 371.2                                          | (5)   |
| New Hampshire  | 6,295       | (43) | 4,647                   | (43)  | 405     | (36)  | 6.4%       | (7)   | 298                             | (18)  | 0.4%                                  | (46)  | 904                                 | (51)  | 18.8                                           | (48)  |
| New Jersey     | 183,744     | (5)  | 20,719                  | (4)   | 15,808  | (2)   | 8.6%       | (2)   | 1,780                           | (1)   | 0.1%                                  | (51)  | 1,604                               | (39)  | 24.1                                           | (46)  |
| New Mexico     | 17,828      | (37) | 8,662                   | (30)  | 596     | (32)  | 3.3%       | (18)  | 284                             | (20)  | 1.6%                                  | (28)  | 3,565                               | (5)   | 138.0                                          | (22)  |
| New York       | 436,576     | (1)  | 22,491                  | (1)   | 32,656  | (1)   | 7.5%       | (4)   | 1,679                           | (2)   | 0.2%                                  | (48)  | 3,283                               | (6)   | 45.2                                           | (44)  |
| North Carolina | 105,226     | (11) | 10,194                  | (25)  | 1,749   | (19)  | 1.7%       | (39)  | 167                             | (31)  | 1.8%                                  | (26)  | 2,873                               | (10)  | 181.9                                          | (16)  |
| North Dakota   | 5,367       | (45) | 7,208                   | (38)  | 97      | (46)  | 1.8%       | (35)  | 127                             | (39)  | 2.3%                                  | (18)  | 2,392                               | (17)  | 154.7                                          | (20)  |
| Ohio           | 78,783      | (17) | 6,864                   | (39)  | 3,268   | (14)  | 4.1%       | (14)  | 280                             | (22)  | 1.7%                                  | (27)  | 1,909                               | (30)  | 117.7                                          | (27)  |
| Oklahoma       | 28,065      | (32) | 7,279                   | (37)  | 477     | (35)  | 1.7%       | (38)  | 121                             | (40)  | 2.8%                                  | (7)   | 2,035                               | (26)  | 193.5                                          | (14)  |
| Oregon         | 15,393      | (39) | 3,725                   | (45)  | 273     | (40)  | 1.8%       | (37)  | 65                              | (46)  | 2.1%                                  | (21)  | 1,339                               | (46)  | 74.6                                           | (38)  |
| Pennsylvania   | 108,267     | (10) | 8,526                   | (32)  | 7,164   | (6)   | 6.6%       | (6)   | 560                             | (11)  | 0.8%                                  | (38)  | 1,138                               | (49)  | 66.8                                           | (41)  |
| Rhode Island   | 18,062      | (36) | 17,131                  | (6)   | 1,001   | (26)  | 5.5%       | (8)   | 945                             | (5)   | 0.4%                                  | (47)  | 1,612                               | (38)  | 58.9                                           | (43)  |
| South Carolina | 75,042      | (18) | 14,879                  | (11)  | 1,334   | (24)  | 1.8%       | (36)  | 259                             | (24)  | 2.5%                                  | (14)  | 2,178                               | (21)  | 347.5                                          | (7)   |
| South Dakota   | 8,077       | (42) | 9,205                   | (28)  | 121     | (43)  | 1.5%       | (41)  | 137                             | (36)  | 0.7%                                  | (42)  | 1,373                               | (45)  | 72.5                                           | (39)  |
| Tennessee      | 84,417      | (13) | 12,730                  | (20)  | 925     | (27)  | 1.1%       | (46)  | 135                             | (37)  | 2.6%                                  | (11)  | 3,602                               | (4)   | 322.9                                          | (9)   |
| Texas          | 367,994     | (4)  | 13,016                  | (17)  | 4,762   | (9)   | 1.3%       | (45)  | 164                             | (32)  | 2.7%                                  | (10)  | 2,290                               | (18)  | 317.0                                          | (10)  |
| Utah           | 35,578      | (30) | 11,260                  | (23)  | 267     | (41)  | 0.8%       | (51)  | 83                              | (44)  | 1.6%                                  | (29)  | 2,045                               | (25)  | 189.6                                          | (15)  |
| Vermont        | 1,366       | (51) | 2,207                   | (50)  | 56      | (47)  | 4.1%       | (15)  | 90                              | (42)  | 0.6%                                  | (44)  | 1,727                               | (35)  | 11.9                                           | (51)  |
| Virginia       | 80,393      | (15) | 9,518                   | (26)  | 2,054   | (17)  | 2.6%       | (25)  | 241                             | (26)  | 1.2%                                  | (34)  | 1,858                               | (31)  | 113.9                                          | (29)  |
| Washington     | 50,722      | (21) | 6,767                   | (40)  | 1,488   | (21)  | 2.9%       | (23)  | 195                             | (30)  | 1.8%                                  | (25)  | 2,275                               | (20)  | 112.0                                          | (30)  |
| West Virginia  | 5,461       | (44) | 3,106                   | (46)  | 103     | (45)  | 1.9%       | (32)  | 58                              | (47)  | 2.4%                                  | (16)  | 2,550                               | (14)  | 71.4                                           | (40)  |
| Wisconsin      | 44,847      | (25) | 7,883                   | (35)  | 878     | (28)  | 2.0%       | (29)  | 151                             | (35)  | 2.0%                                  | (22)  | 2,103                               | (24)  | 153.9                                          | (21)  |
| Wyoming        | 2,288       | (48) | 4,054                   | (44)  | 25      | (50)  | 1.1%       | (48)  | 43                              | (48)  | 2.2%                                  | (20)  | 1,164                               | (48)  | 79.0                                           | (37)  |
| United States  | 4,169,991   |      | 12,598                  |       | 147,333 |       | 3.5%       |       | 445                             |       | 1.7%                                  |       | 2,346                               |       | 204.9                                          |       |

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The following data sources are accessed on a daily or weekly basis:

- The Atlantic's Covid Tracking Project: <https://covidtracking.com>
- Worldometers.info: <https://www.worldometers.info/coronavirus/>
- Centers for Disease Control, National, Regional, and State Level Outpatient Illness and Viral Surveillance  
<https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>
- Centers for Disease Control, COVID-19 Laboratory-Confirmed Hospitalizations  
[https://gis.cdc.gov/grasp/COVIDNet/COVID19\\_5.html](https://gis.cdc.gov/grasp/COVIDNet/COVID19_5.html)
- Centers for Disease Control, COVID Data Tracker <https://www.cdc.gov/covid-data-tracker/index.html#mobility>
- 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>