

COVID-19 Dashboard

Issue # 93
Friday, July 3, 2020

Day's Highlights

"Strategic Guidance in an Era of Unprecedented Change"

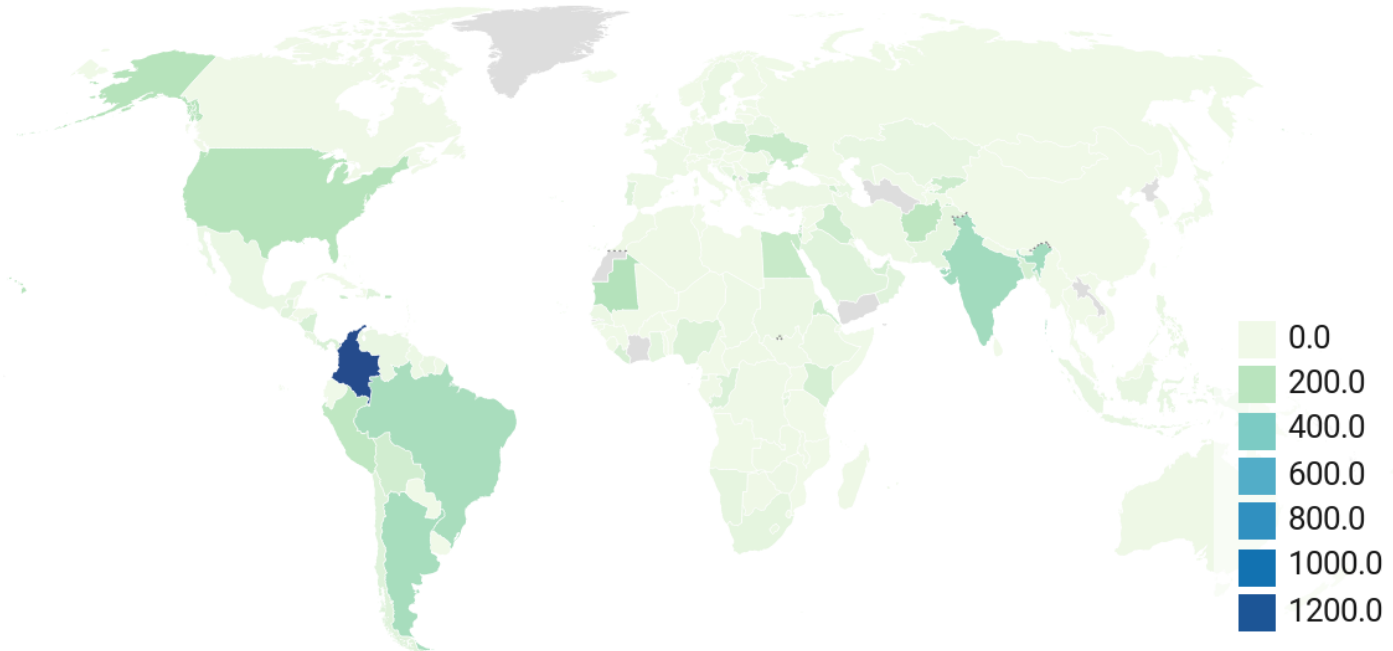
Measure	Desired Change	Yesterday in the U.S.
Number of Tests	Increase	>634,000 on Thursday; average of ~609,000 for past week
Test-Positivity Rate	Decline	8.3% on Wednesday; 7.4% for past week
Number of Cases	Plateau	Most cases in a single day: 57,236. Cases increased 37% week-over-week
Deaths % of Total Cases	Decline	4.63%
Number of Deaths / 1M Population	Plateau	397.2
Recoveries : Death	Increase	9.06

- New cases in the United States hit another daily record on Thursday, with 57,236. On a week-over-week basis, new cases are up 37%. This continues a trend that began in early June
- Four states continue to be the epicenter of new case growth over the past week: Florida, California, Texas and Arizona, in order of number of new cases, represent 52% of all new cases in the United States for the week
 - Adding southeastern states Georgia, North Carolina, South Carolina, Tennessee, Louisiana and Alabama brings this to 70% of all new cases
 - The remaining 40 states combined only had 30% of the new cases
- Despite the continued surge of new cases in Arizona, California, Florida and Texas, there are indications of underlying improvement: the rate of increase in these new daily cases is declining or stabilizing: In Arizona the rate has trended down since June 20; In Florida, since June 28; In California and Texas, this rate has been stable since June 26 or 27
- 27 states are at or near their highest rate of new daily infections per capita; 18 states, however, are at 50% of less of their peak rate
- The death rate continued its steady decline yesterday. With 687 reported deaths in the United States, the cumulative death rate is now 4.63%. Recoveries (although significantly underreported in our opinion) now outnumber deaths by >9:1
- Hospitalized patients continue to increase, particularly in the hard-hit Arizona, California and Texas (Florida has yet to report hospitalizations, although they recently committed to begin doing so). However, the pace at which hospitalized patient census is increasing in these states is lower than the pace of new cases. This would appear to reinforce the idea that new cases are tending to be less severe than previously
- Testing continues to be reasonably strong in the United States: among the 30 countries with the most cases, the United States ranks 2nd in testing per capita over the past week
 - Ten states, however, have test-positive rates above the 10% upper limit advocated by health policy experts
 - 21 states have experienced a material increase in this rate over the past week
 - 19 states have experienced a material decline in the rate during the past week
- Internationally, it should be noted that the United Kingdom made a retrospective adjustment to case counts, removing 30,302 "duplicates". This had the effect of dropping the UK from 5th to 8th in total cases
- Peru and Chile continued their ascents up the rankings, now sitting at 6th and 7th, respectively
- Next to the United States, Brazil and India continue to post the most new cases each day; Brazil added nearly 48,000 yesterdays; India nearly 22,000. These 3 countries accounted for ~60% of all new cases worldwide yesterday

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Net Infections / 1 Million

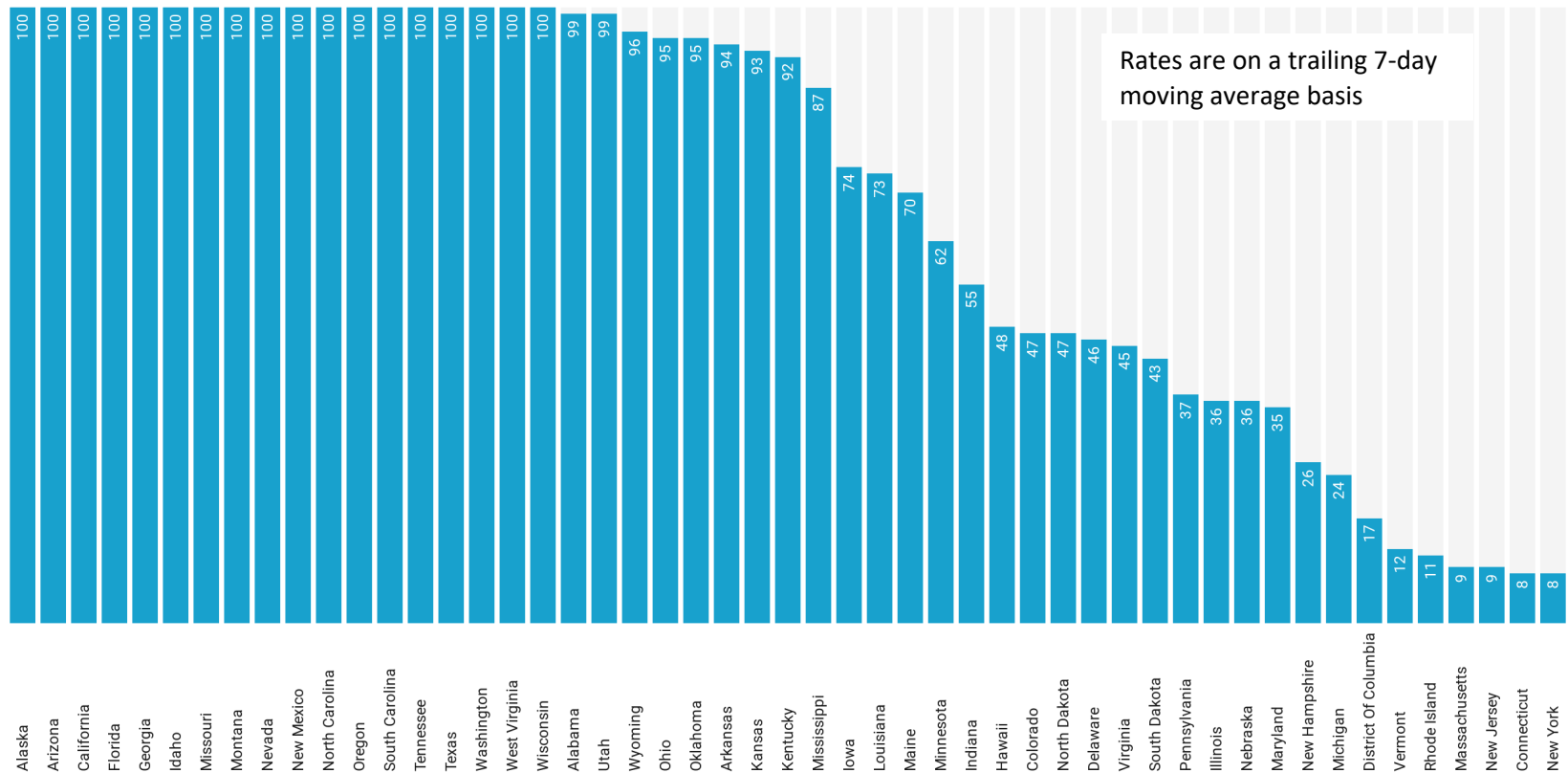
Trailing 7-Day Moving Average, As of July 1



Map: Health Industry Advisor LLC • Created with Datawrapper

"Strategic Guidance in an Era of Unprecedented Change"

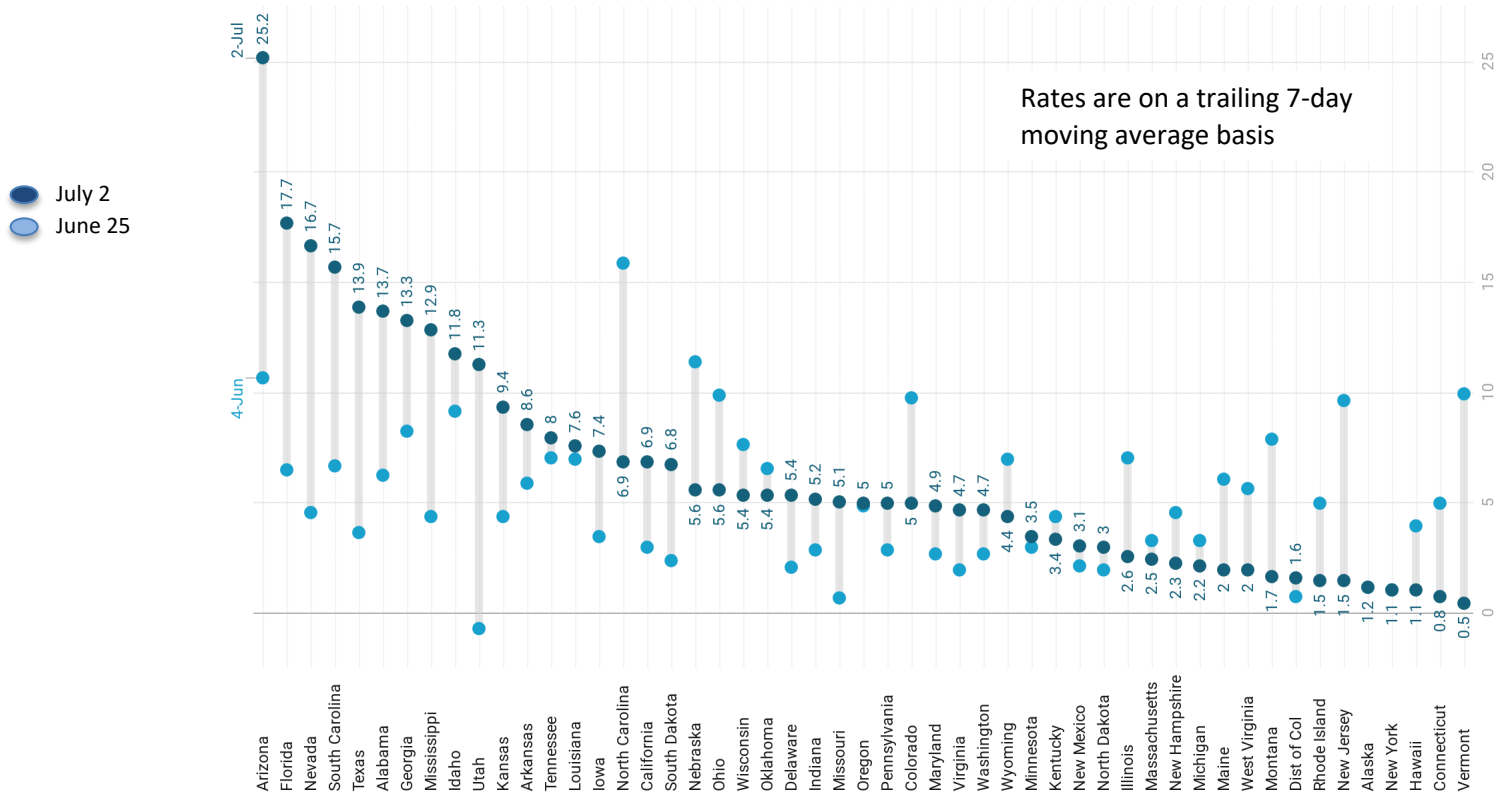
27 states are at 85-100% of their peak rate of new infections per capita



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Observations:

- There is a wide variation in test-positive rates by state
- Ten states have rates > the 10% upper limit suggested by public health experts
- 21 states have shown material increases in rates since last week, 19 have shown material declines

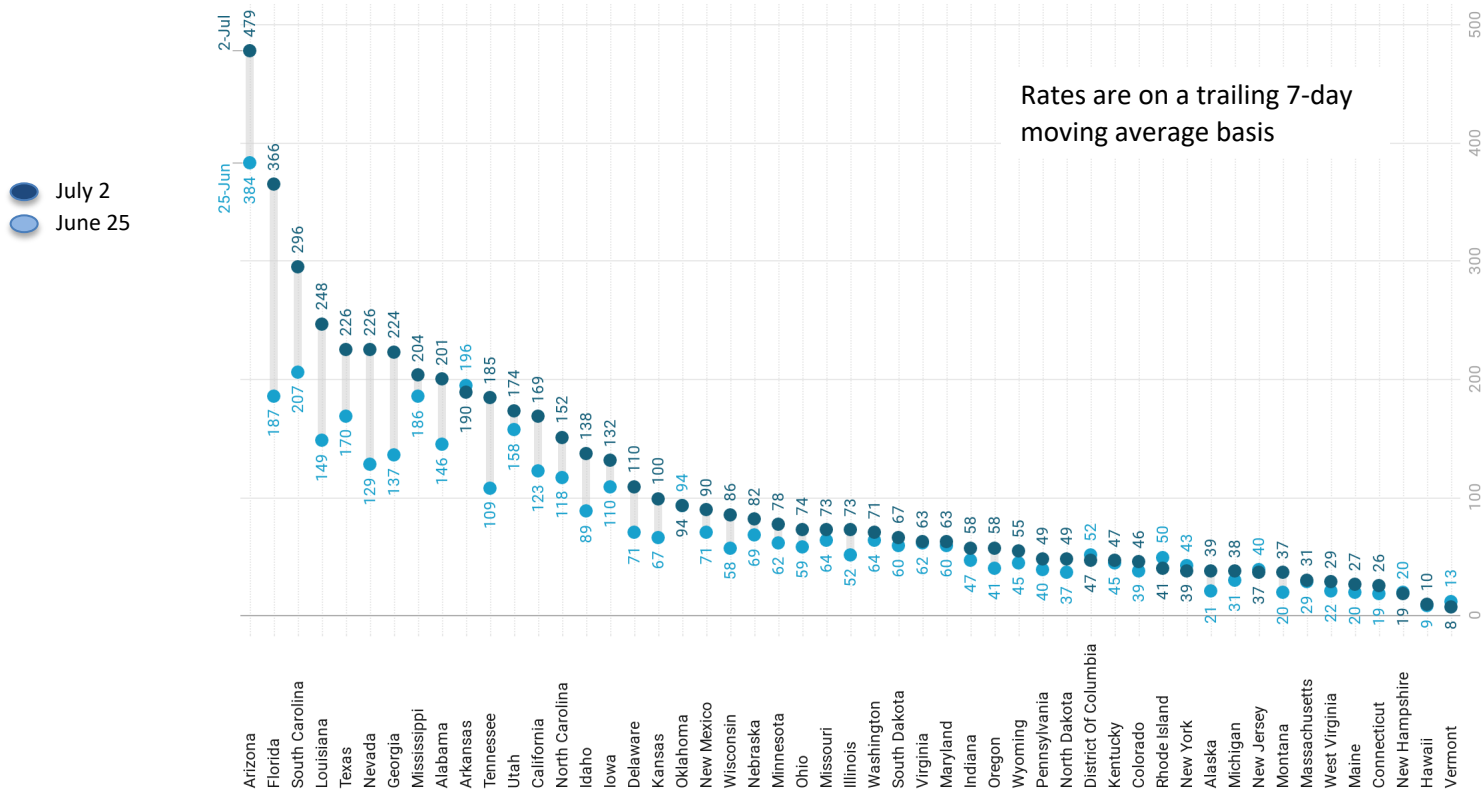


Net Infection Rate: June 25 & July 2

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Observations:

- There is a wide variation in net infection rates by state
- 18 states have rates > 100 per day per million; 13 have rates of 50 or less
- Rates increased week-over-week in most states; 15 states have shown an increases in rates >25 per day



Testing & New Cases Per Capita

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Observations:

- Rate of increase in testing has far outpaced that of new cases
- More than likely, this indicates that historical case volumes are significantly more under-stated than at present time
 - e.g., current counts are more reflective of prevalence of asymptomatic cases
 - Previous counts likely weighted toward more severe cases

Testing & New Cases Per Capita

Trailing 7-Day Moving Averages

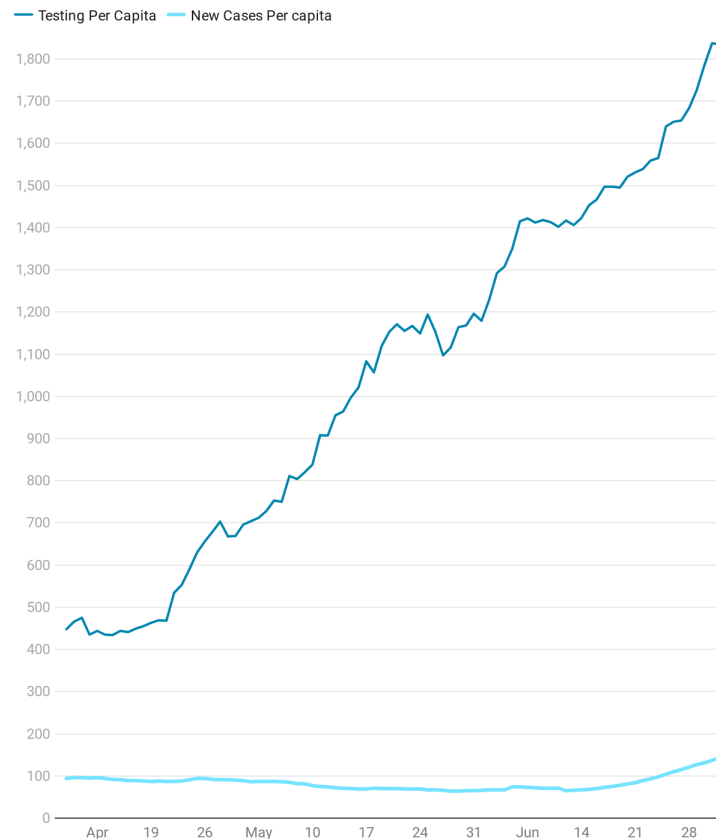


Chart: Health Industry Advisor LLC • Created with Datawrapper

Trends in New Cases & Hospitalized Patients

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Arizona

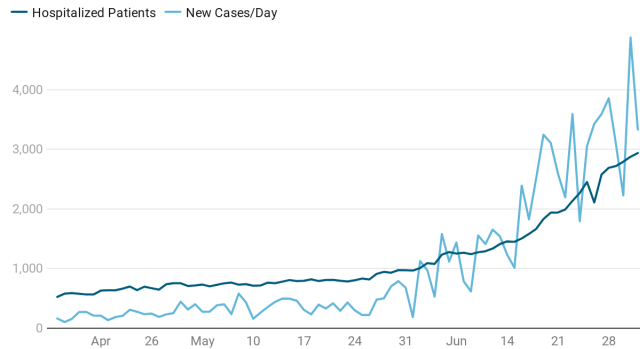


Chart: Health Industry Advisor LLC • Created with Datawrapper

California

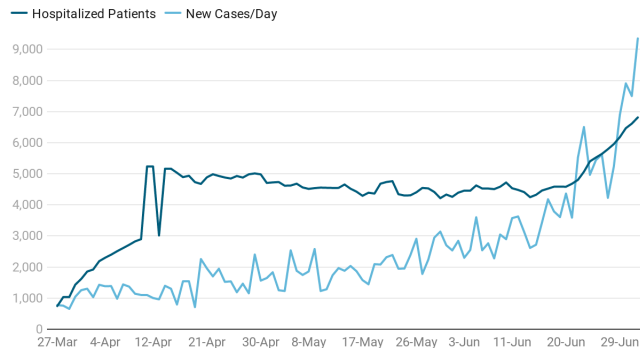


Chart: Health Industry Advisor LLC • Created with Datawrapper

Observations:

- New cases increasing more rapidly than hospitalized patients in Arizona and Texas
 - Supports hypothesis that new cases reflect higher proportion of low or asymptomatic cases
- This pattern is more tempered in Texas

Texas

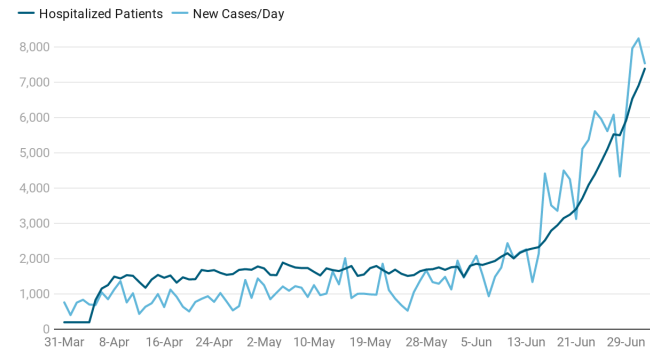
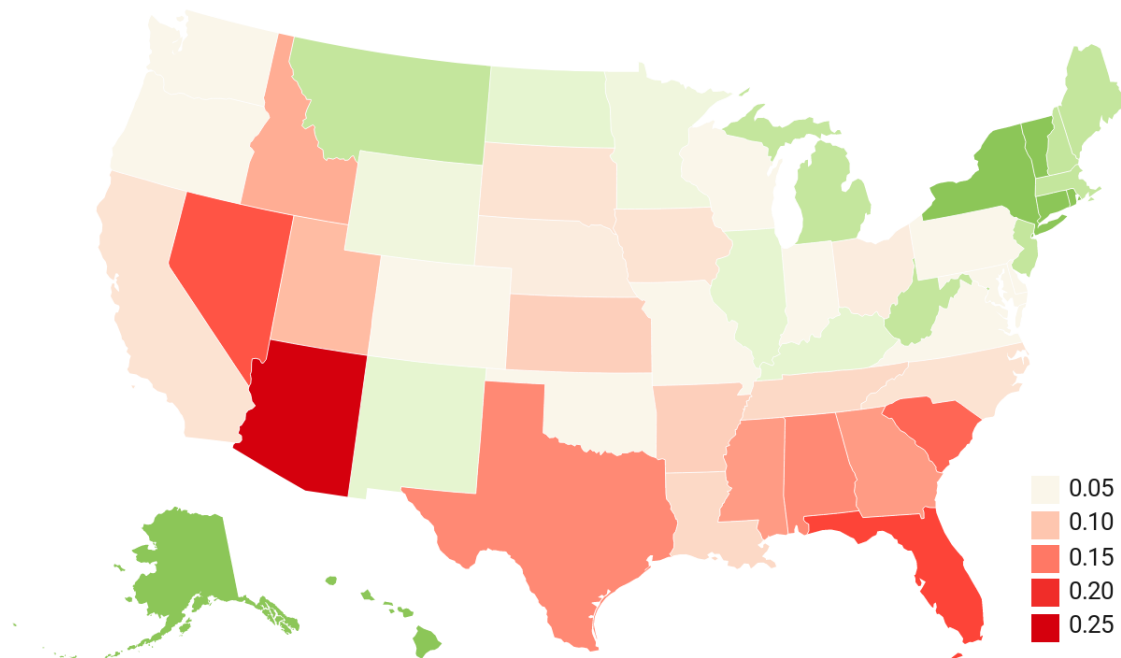


Chart: Health Industry Advisor LLC • Created with Datawrapper

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Test Positive Rate

Trailing 7-Day Moving Average July 2, 2020



Observations:

- Map shows clear regional differences in test-positive rate
- Southeast and Southwest experience markedly higher rates than elsewhere

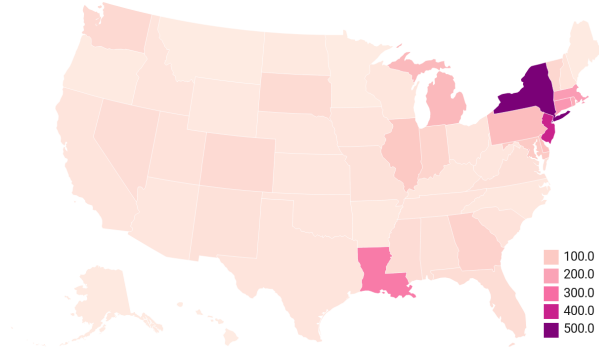
Map: Health Industry Advisor LLC • Created with Datawrapper

State-By-State New Infections Per Capita

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Net Infections / 1 Million

Trailing 7-Day Moving Average, As of April 10



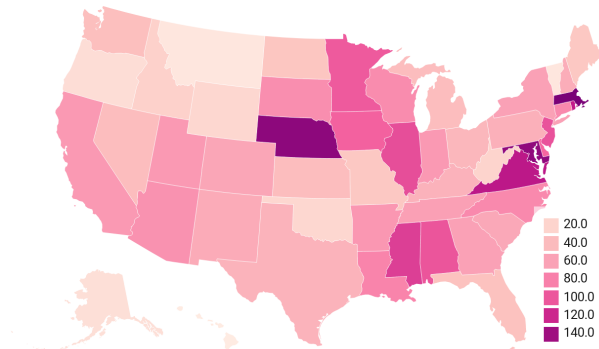
Map: Health Industry Advisor LLC • Created with Datawrapper

Observations:

- Maps show shift over time in the locus of the epidemic, from the Northeast to the Southeast and Southwest
- Change in scale for June 1 also reinforces that infection rates were markedly lower at that time than in April and currently

Net Infections / 1 Million

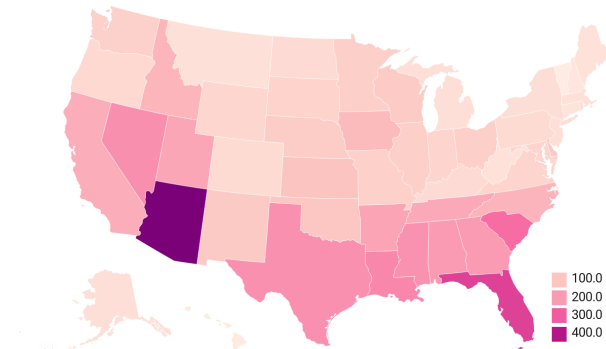
Trailing 7-Day Moving Average, As of June 1



Map: Health Industry Advisor LLC • Created with Datawrapper

Net Infections / 1 Million

Trailing 7-Day Moving Average, As of July 1



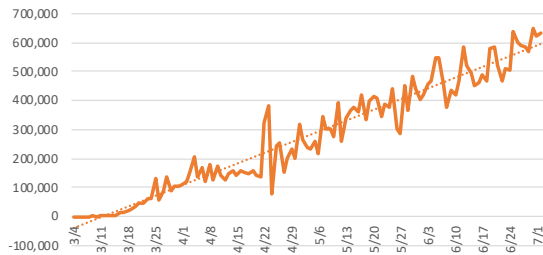
Map: Health Industry Advisor LLC • Created with Datawrapper

UNITED STATES & STATE-BY-STATE INFORMATION

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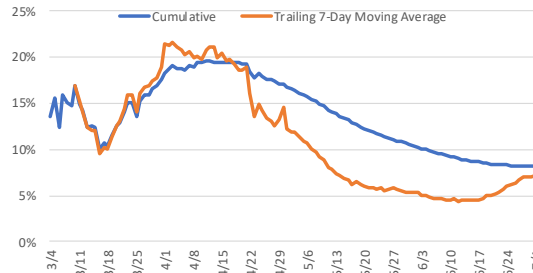
With significantly increased testing, the US is now meeting the WHO standard of <10% test-positives. This suggests that asymptomatic cases are being captured and that we have a better view of true infection rates. Further, new daily infections continue to decline; the death rate seems to have stabilized.

New Daily Tests - US



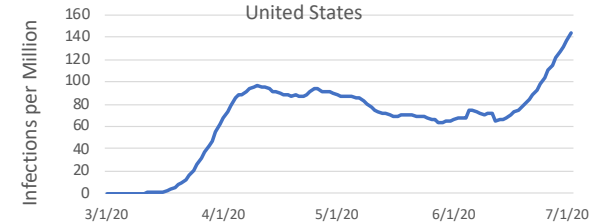
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Test-Positive Rate



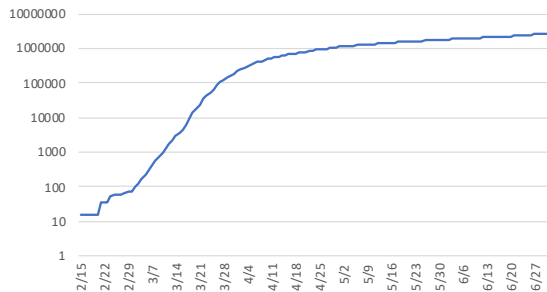
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New Daily Infections Per 1M
Trailing 7-Day Moving Average
United States



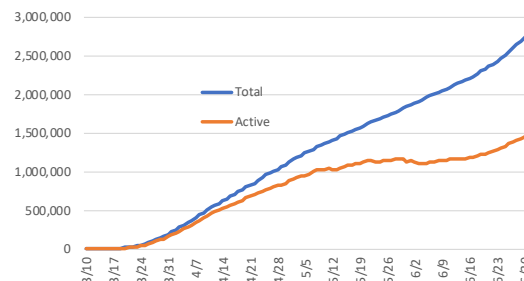
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Total Cases Log Scale - US



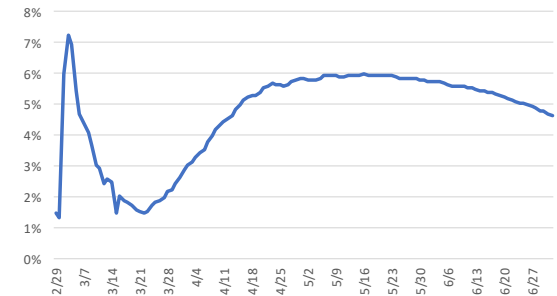
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Cases - US



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Deaths Per Case - US



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STATE-BY-STATE OVERALL ASSESSMENT SCORECARD

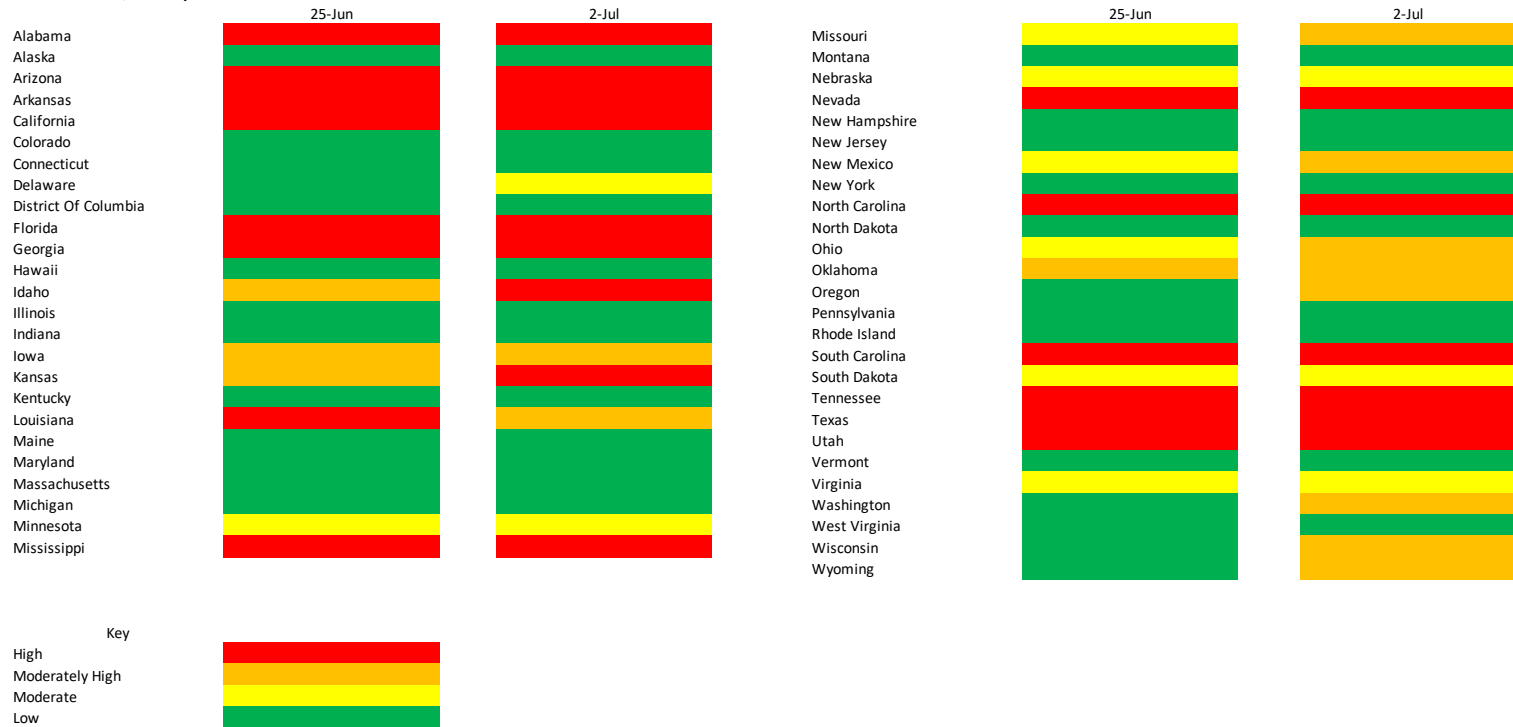
State-By-State Overall Assessment Scorecard

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Several factors should be considered when assessing where a state stands with its virus progression status:

- Current rate of new infections, relative to its peak (is it declining or near its peak?)
- Test-positive rate
- Rate of change in cases
- Hospitalized patients v. its peak

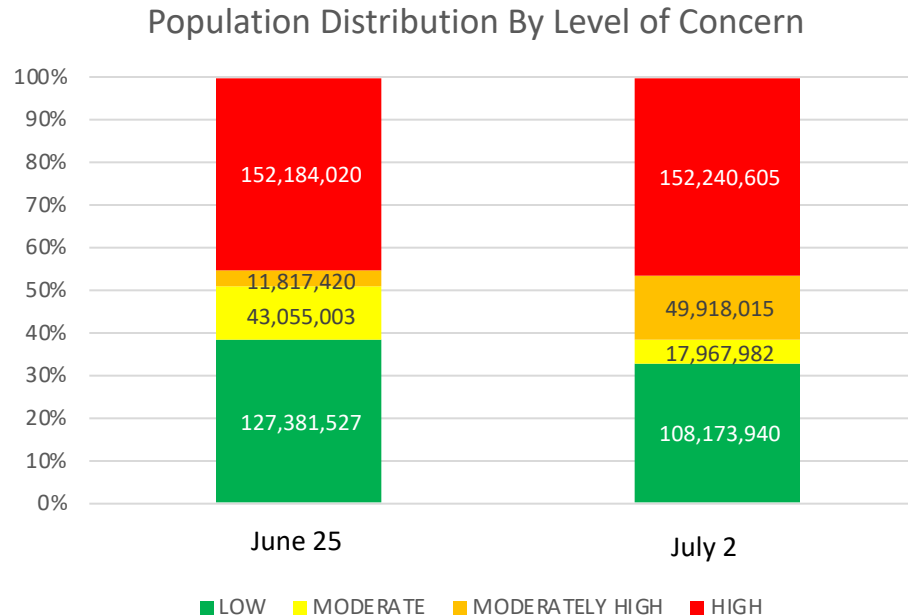
We combined these criteria into a single score, reflective of our relative degree of concern of each state's current status (High, Moderately High, Moderate, Low)



State-By-State Data

Population Distribution By Level of Concern

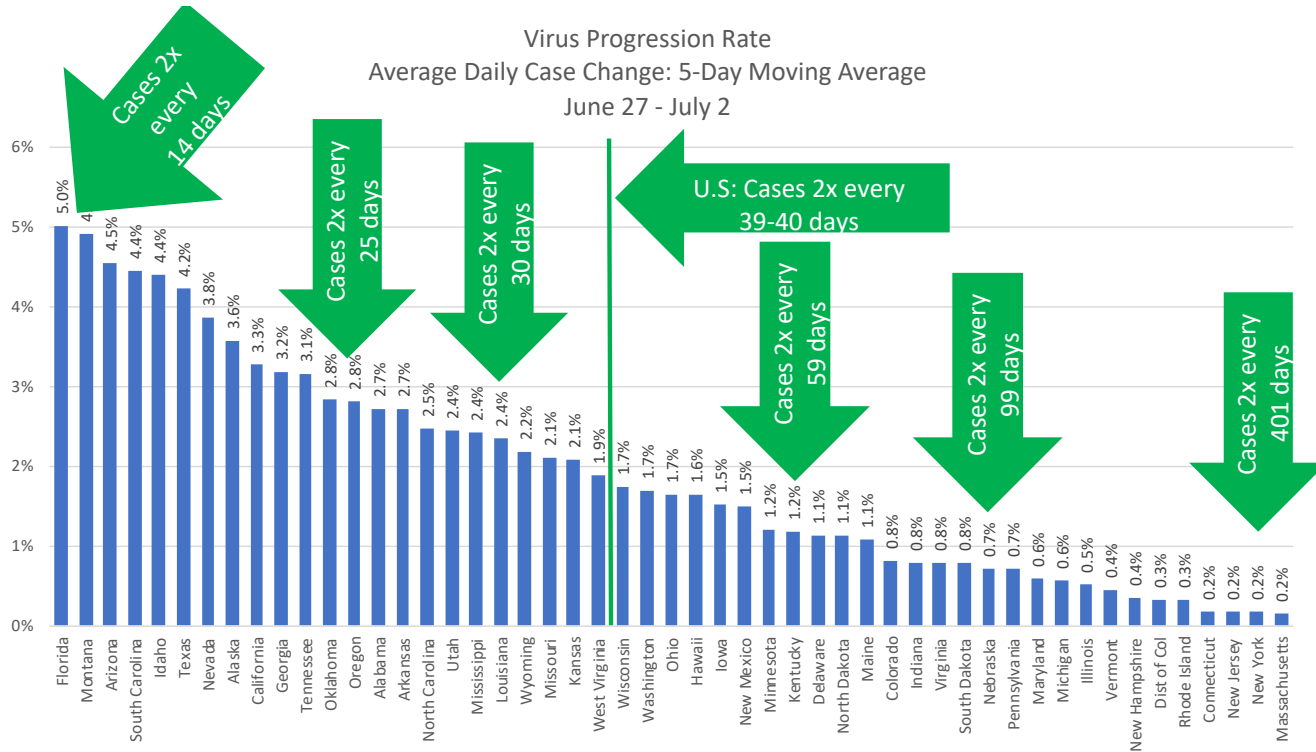
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State-by-State Average Daily Case Growth

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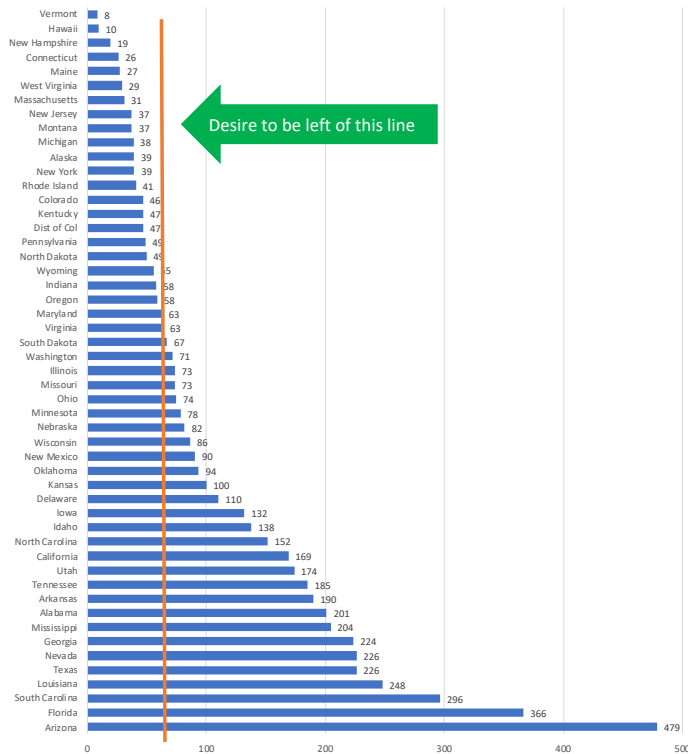
At the height of the epidemic, cases in some states were doubling every few days. Now, they would take from 14 – 420 days to double



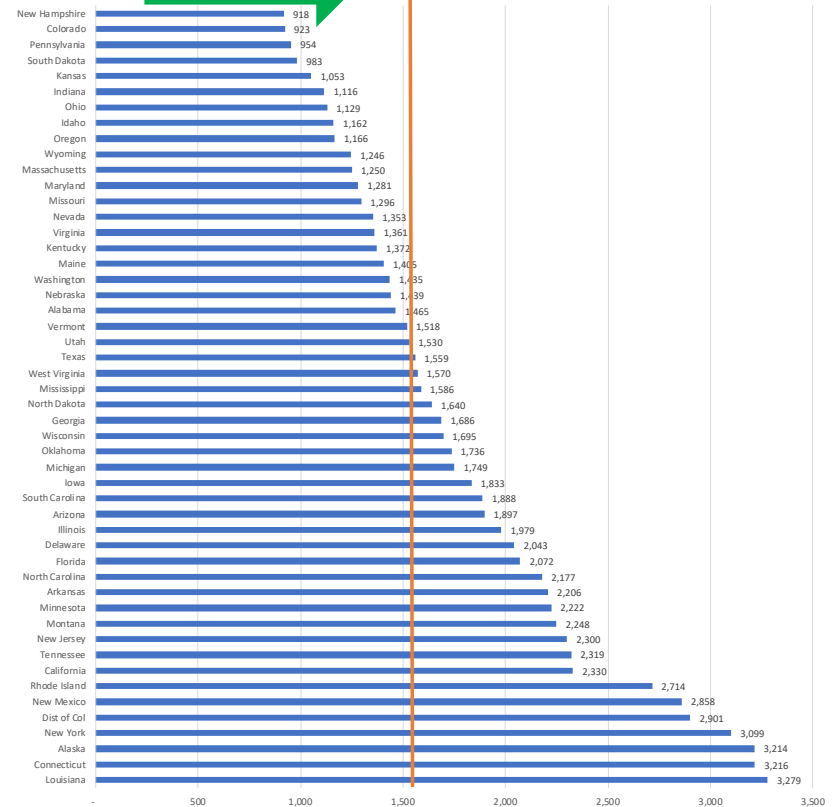
State-by-State New Daily Infections & Tests Per Capita

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New Daily Infections Per 1 Million Population
By State
June 25 - July 2



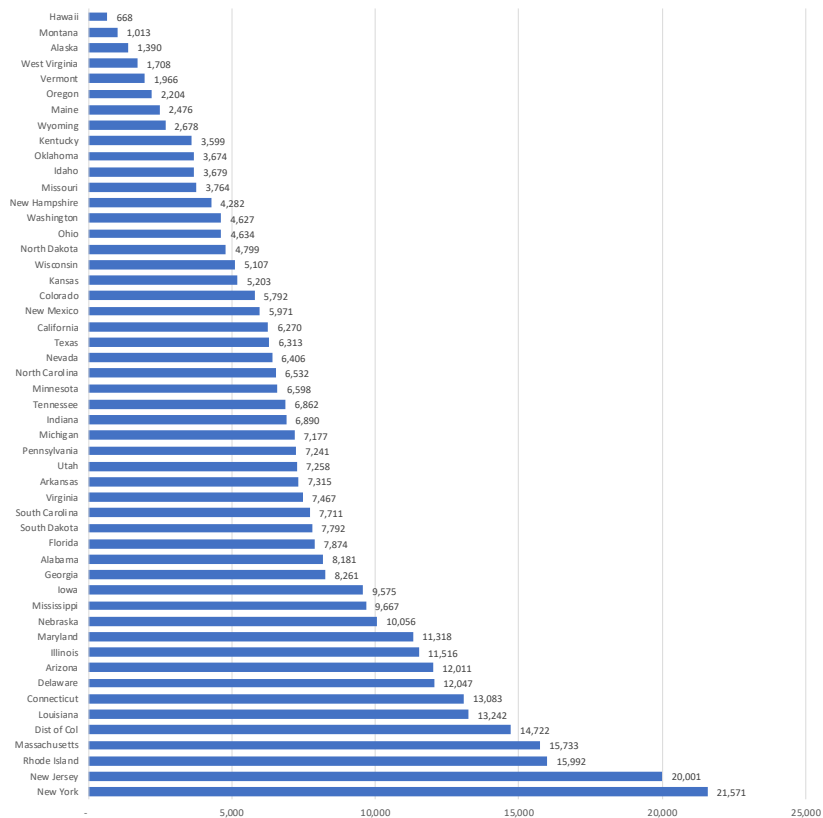
Daily Tests Per 1 Million Population
By State
June 25 - July 2



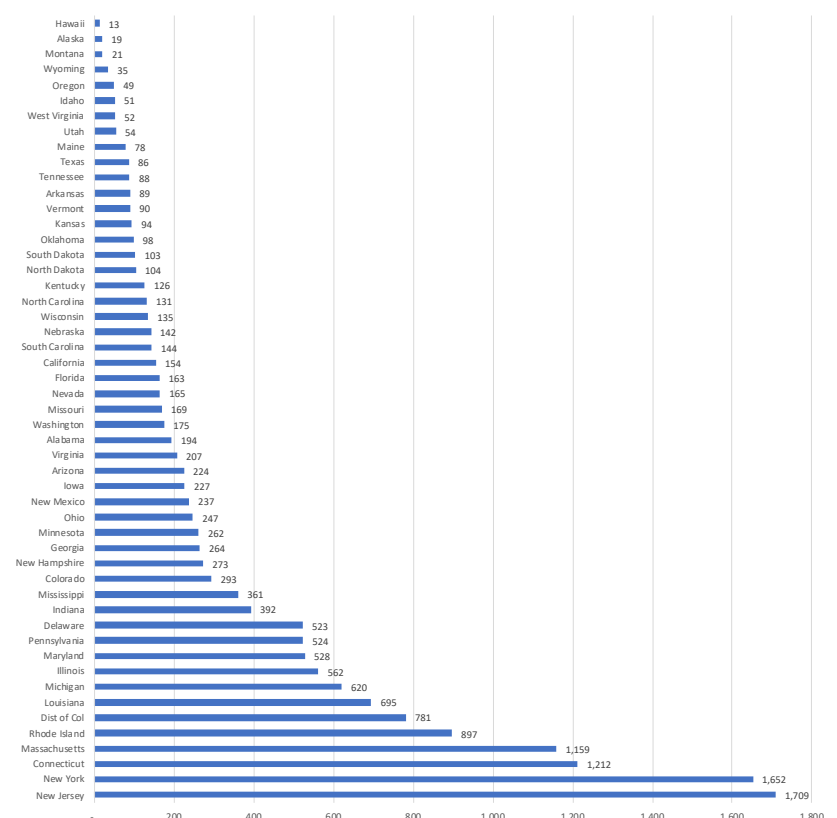
State-by-State Cases & Deaths Per Capita

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Total Cases Per 1 Million Population
By State
As of July 2



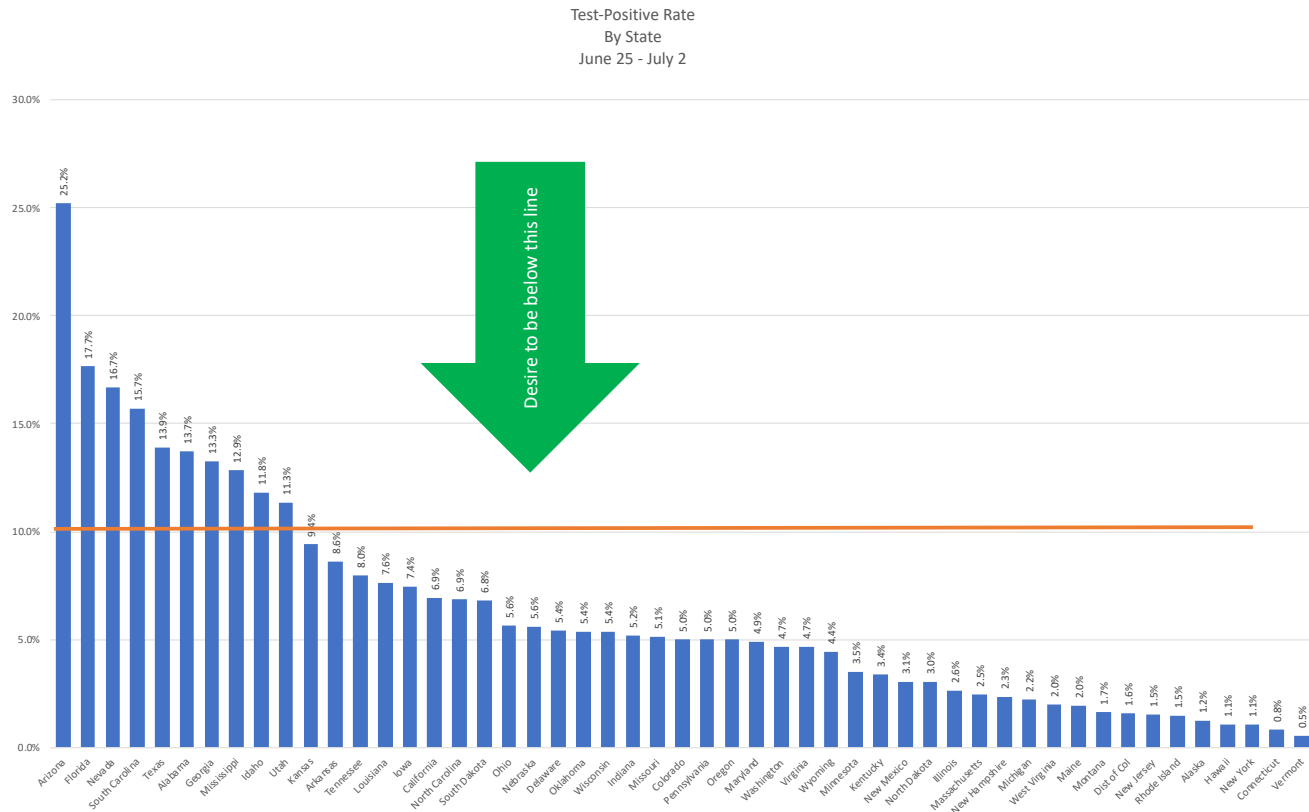
Deaths Per 1 Million Population
By State
As of July 2



Which States Are Performing Sufficient Tests?

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The [World Health Organization](#) suggested that the test-positive rate should be 10% or lower, for testing to be sufficient to assess the true prevalence of the virus. Several states failed to meet this guideline for the past week



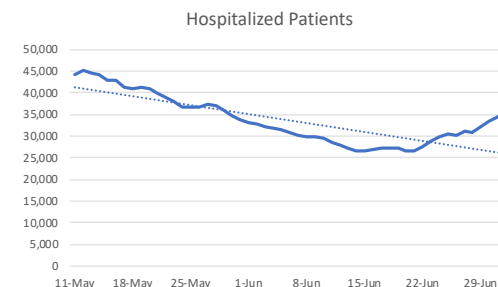
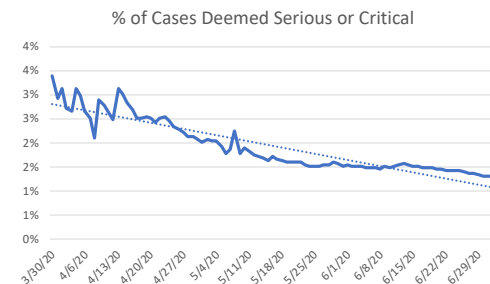
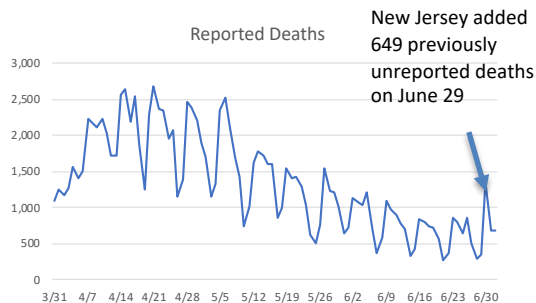
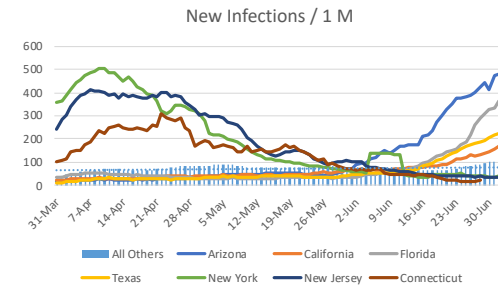
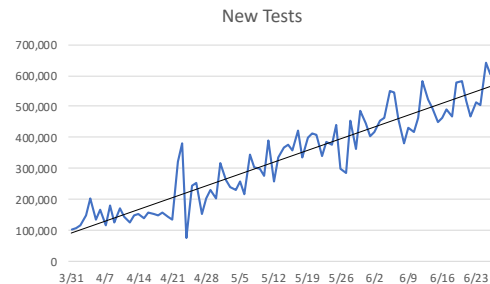
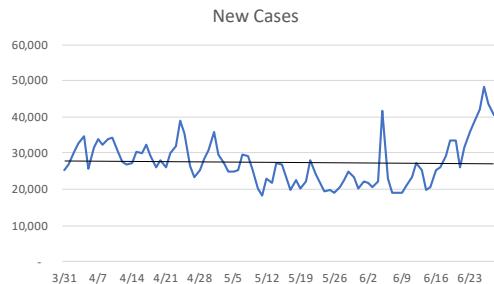
ANALYZING TRENDS IN THE CONCENTRATION & SEVERITY OF THE VIRUS

Tracking The Recent Surge In Cases

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Observations:

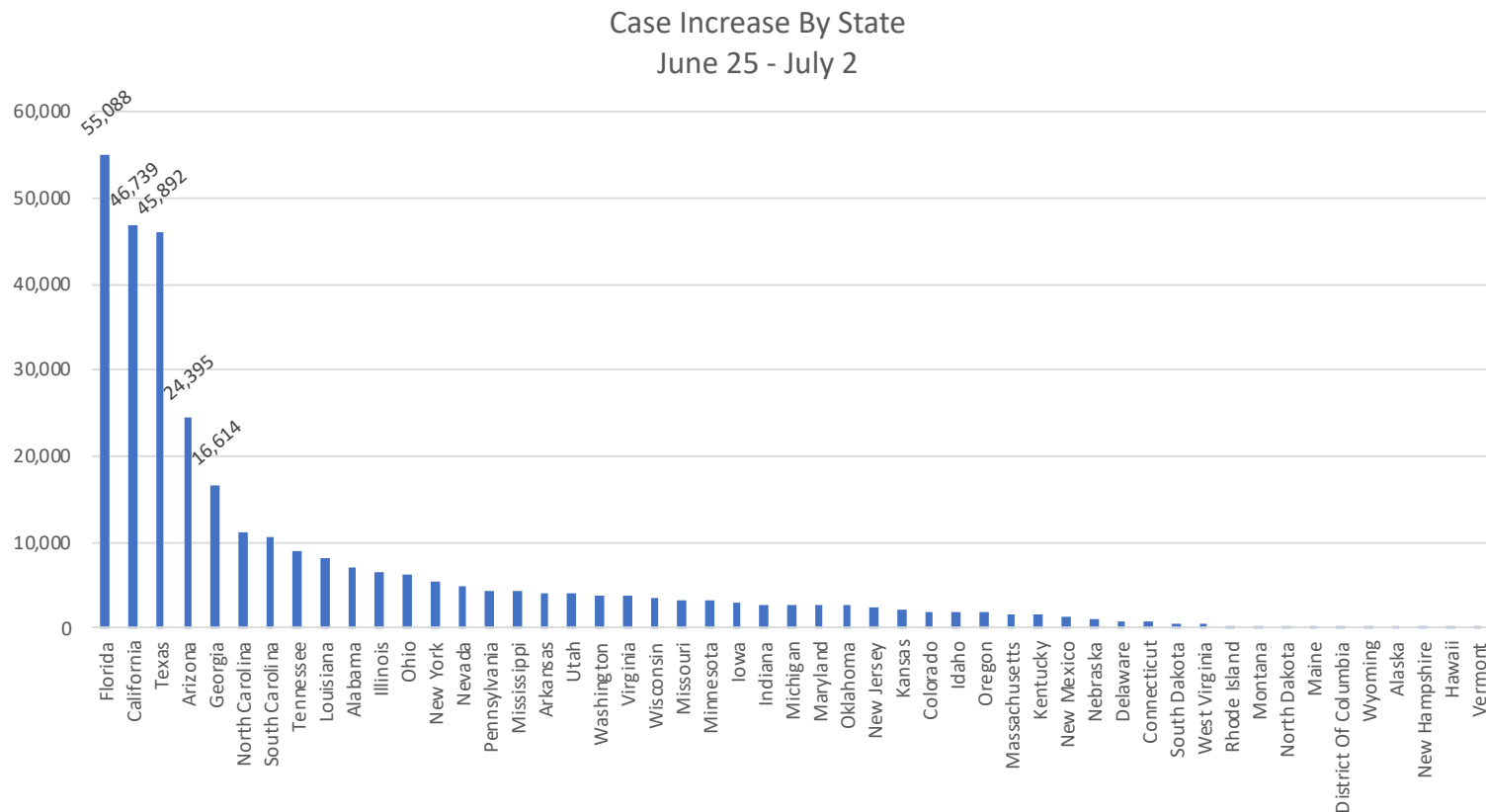
- After steadily declining during April and May, new cases clearly began to rise sharply on June 9
- Although testing has steadily increased, this cannot explain the rise in new cases
The concentrated rise in new infections per capita recently in Arizona, California, Florida and Texas mirrors the concentrated rise in Connecticut, New Jersey and New York in April
- Rates of deaths per case, % of cases deemed serious or critical have steadily declined over time - Better treatment? Earlier identification? Less severity? Infection of a lower risk population?



Case Increases By State – Past 7 Days

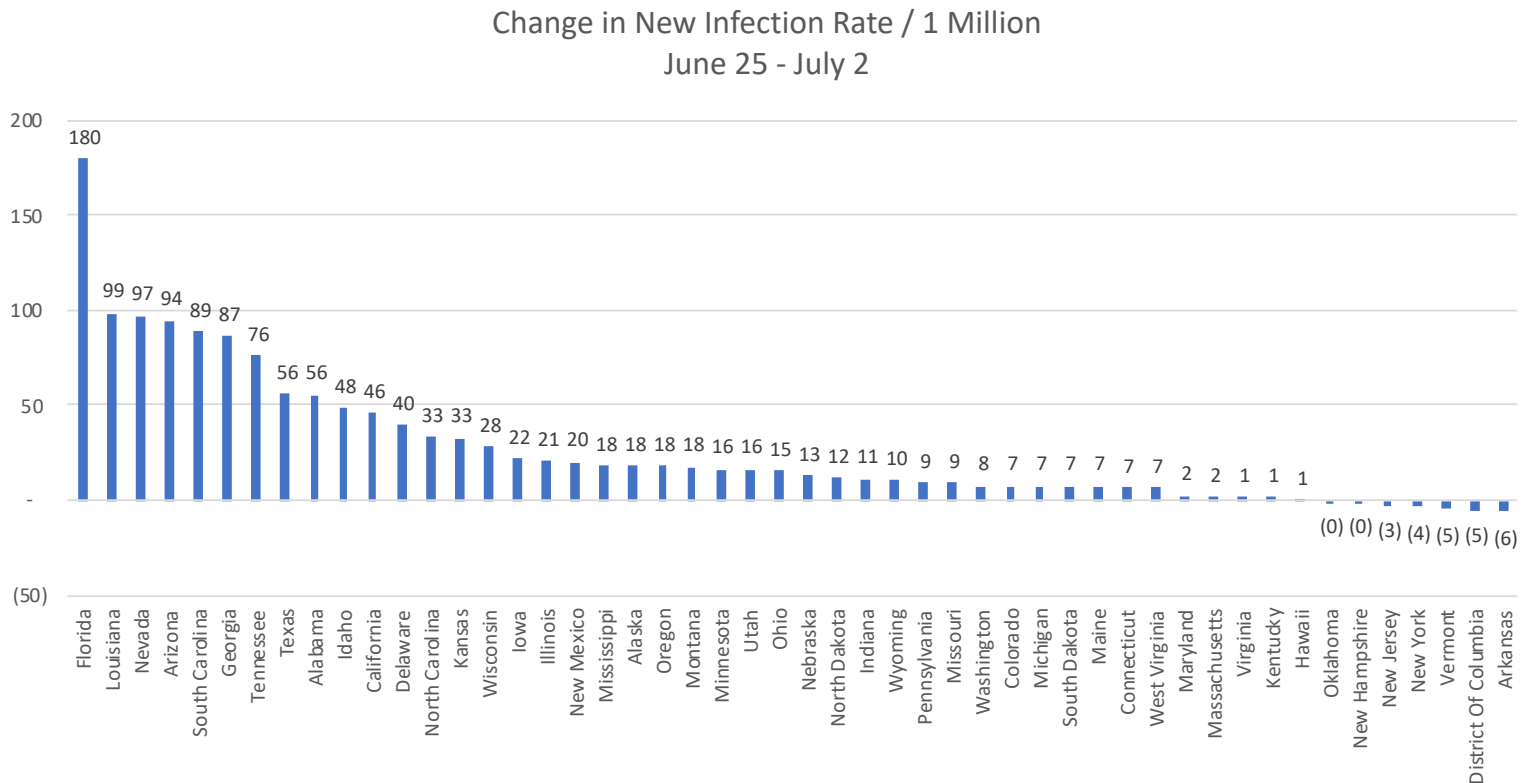
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Case Growth in the U.S. Has Been Concentrated in A Few States



Change In New Infections / 1 Million

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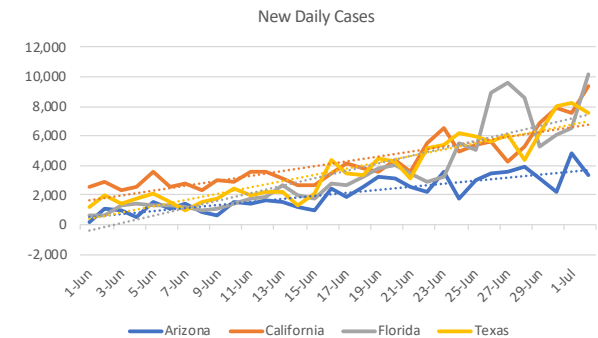
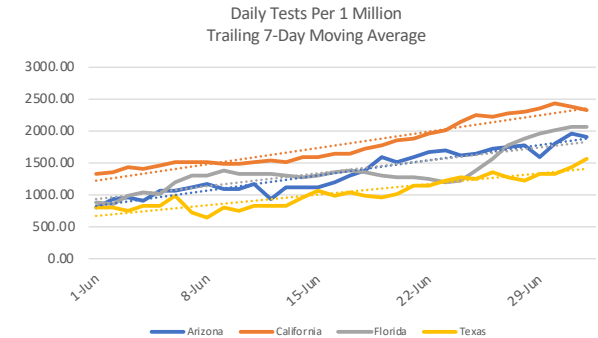
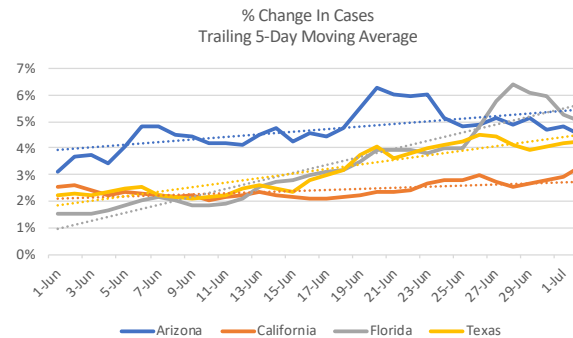
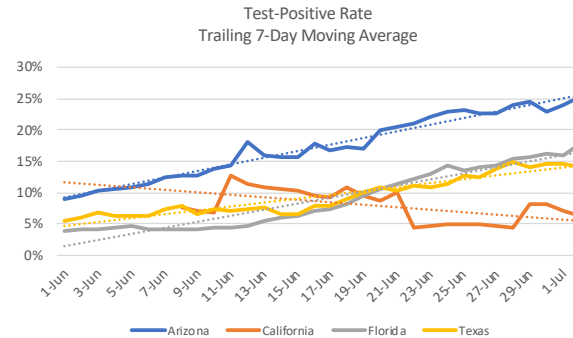


Tracking Testing Rates and Cases Arizona, California, Florida and Texas

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Observations:

- Arizona, Florida and Texas continue to show high and increasing test-positive rates; California is low and declining
- Testing rates continue to increase in all 4 states
- Rate of change in case volumes continue to decline in Arizona and now in Florida; stabilizing in California and Texas



As of July 2

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	40,111	(20)	8,180.6	(16)	985	(24)	2.5%	(32)	200.9	(24)	2.7%	(14)	1,465	(31)	201.0	(8)
Alaska	1,017	(50)	1,390.2	(49)	14	(51)	1.4%	(47)	19.1	(50)	3.6%	(8)	3,214	(3)	36.3	(40)
Arizona	87,425	(10)	12,011.0	(9)	1,757	(17)	2.0%	(39)	241.4	(20)	4.5%	(3)	1,897	(18)	473.4	(1)
Arkansas	22,075	(30)	7,314.9	(21)	279	(39)	1.3%	(50)	92.5	(39)	2.7%	(15)	2,206	(13)	180.9	(10)
California	247,743	(2)	6,270.0	(31)	6,262	(6)	2.5%	(31)	158.5	(29)	3.3%	(9)	2,330	(8)	154.8	(13)
Colorado	33,352	(24)	5,791.5	(33)	1,701	(18)	5.1%	(13)	295.4	(15)	0.8%	(35)	923	(49)	46.5	(37)
Connecticut	46,646	(18)	13,083.4	(7)	4,326	(8)	9.3%	(1)	1,213.4	(3)	0.2%	(48)	3,216	(2)	26.4	(48)
Delaware	11,731	(38)	12,047.1	(8)	510	(33)	4.3%	(18)	523.7	(12)	1.1%	(32)	2,043	(16)	91.1	(19)
District Of Columbia	10,390	(39)	14,721.9	(5)	554	(31)	5.3%	(11)	785.0	(6)	0.3%	(46)	2,901	(5)	48.0	(34)
Florida	169,106	(5)	7,873.5	(17)	3,618	(9)	2.1%	(36)	168.5	(28)	5.0%	(1)	2,072	(15)	332.5	(2)
Georgia	87,709	(9)	8,260.9	(15)	2,849	(13)	3.2%	(24)	268.3	(17)	3.2%	(10)	1,686	(24)	199.9	(9)
Hawaii	946	(51)	668.1	(51)	18	(50)	1.9%	(41)	12.7	(51)	1.6%	(27)	843	(51)	9.2	(50)
Idaho	6,593	(42)	3,679.0	(41)	92	(45)	1.4%	(46)	51.3	(46)	4.4%	(5)	1,162	(43)	137.5	(15)
Illinois	145,935	(6)	11,516.5	(10)	7,188	(4)	4.9%	(14)	567.2	(9)	0.5%	(43)	1,979	(17)	73.6	(25)
Indiana	46,387	(19)	6,890.3	(25)	2,662	(14)	5.7%	(8)	395.4	(13)	0.8%	(36)	1,116	(45)	59.7	(31)
Iowa	30,211	(25)	9,575.4	(14)	719	(28)	2.4%	(33)	227.9	(22)	1.5%	(28)	1,833	(20)	125.1	(16)
Kansas	15,159	(35)	5,203.4	(34)	280	(38)	1.8%	(42)	96.1	(38)	2.1%	(22)	1,053	(46)	100.6	(17)
Kentucky	16,079	(34)	3,599.0	(43)	581	(30)	3.6%	(23)	130.0	(34)	1.2%	(31)	1,372	(35)	47.3	(36)
Louisiana	61,561	(15)	13,242.4	(6)	3,262	(10)	5.3%	(12)	701.7	(7)	2.4%	(19)	3,279	(1)	233.6	(4)
Maine	3,328	(45)	2,475.8	(45)	105	(42)	3.2%	(25)	78.1	(43)	1.1%	(34)	1,405	(34)	29.4	(46)
Maryland	68,423	(13)	11,317.7	(11)	3,212	(11)	4.7%	(15)	531.3	(10)	0.6%	(41)	1,281	(39)	61.0	(30)
Massachusetts	109,338	(7)	15,733.2	(4)	8,132	(3)	7.4%	(5)	1,170.2	(4)	0.2%	(51)	1,250	(40)	31.5	(45)
Michigan	71,678	(11)	7,177.2	(24)	6,212	(7)	8.7%	(2)	622.0	(8)	0.6%	(42)	1,749	(21)	36.2	(41)
Minnesota	37,210	(22)	6,597.9	(27)	1,495	(19)	4.0%	(19)	265.1	(18)	1.2%	(30)	2,222	(12)	74.8	(24)
Mississippi	28,770	(27)	9,666.9	(13)	1,092	(22)	3.8%	(22)	366.9	(14)	2.4%	(18)	1,586	(26)	214.9	(7)

Note: China only recently started reporting test volumes, as a result, their 7-day rates are inaccurate

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"Strategic Guidance in an Era of Unprecedented Change"

As of July 2

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Missouri	23,100	(29)	3,763.8	(40)	1,055	(23)	4.6%	(16)	171.9	(26)	2.1%	(21)	1,296	(38)	72.3	(26)
Montana	1,083	(49)	1,013.3	(50)	22	(48)	2.0%	(38)	20.6	(49)	4.9%	(2)	2,248	(11)	33.4	(43)
Nebraska	19,452	(32)	10,055.8	(12)	282	(37)	1.4%	(43)	145.8	(31)	0.7%	(39)	1,439	(32)	80.4	(22)
Nevada	19,733	(31)	6,406.5	(29)	525	(32)	2.7%	(30)	170.4	(27)	3.8%	(7)	1,353	(37)	219.8	(5)
New Hampshire	5,822	(43)	4,281.8	(39)	375	(36)	6.4%	(7)	275.8	(16)	0.4%	(45)	918	(50)	21.4	(49)
New Jersey	177,654	(4)	20,001.1	(2)	15,218	(2)	8.6%	(3)	1,713.3	(1)	0.2%	(49)	2,300	(10)	36.2	(42)
New Mexico	12,520	(37)	5,970.9	(32)	503	(34)	4.0%	(20)	239.9	(21)	1.5%	(29)	2,858	(6)	87.6	(20)
New York	419,640	(1)	21,571.4	(1)	32,166	(1)	7.7%	(4)	1,653.5	(2)	0.2%	(50)	3,099	(4)	38.6	(39)
North Carolina	68,508	(12)	6,532.0	(28)	1,416	(20)	2.1%	(37)	135.0	(33)	2.5%	(16)	2,177	(14)	141.9	(14)
North Dakota	3,657	(44)	4,798.8	(36)	80	(46)	2.2%	(35)	105.0	(36)	1.1%	(33)	1,640	(25)	47.4	(35)
Ohio	54,166	(16)	4,633.9	(37)	2,910	(12)	5.4%	(10)	248.9	(19)	1.7%	(26)	1,129	(44)	75.6	(23)
Oklahoma	14,539	(36)	3,674.3	(42)	395	(35)	2.7%	(28)	99.8	(37)	2.8%	(12)	1,736	(22)	93.9	(18)
Oregon	9,294	(40)	2,203.6	(46)	209	(40)	2.2%	(34)	49.6	(47)	2.8%	(13)	1,166	(42)	50.4	(33)
Pennsylvania	92,703	(8)	7,241.3	(23)	6,765	(5)	7.3%	(6)	528.4	(11)	0.7%	(40)	954	(48)	45.6	(38)
Rhode Island	16,941	(33)	15,991.7	(3)	959	(25)	5.7%	(9)	905.3	(5)	0.3%	(47)	2,714	(7)	33.3	(44)
South Carolina	39,701	(21)	7,710.9	(19)	784	(27)	2.0%	(40)	152.3	(30)	4.4%	(4)	1,888	(19)	278.1	(3)
South Dakota	6,893	(41)	7,791.7	(18)	97	(43)	1.4%	(45)	109.6	(35)	0.8%	(38)	983	(47)	65.7	(28)
Tennessee	46,890	(17)	6,862.1	(26)	620	(29)	1.3%	(48)	90.7	(40)	3.1%	(11)	2,319	(9)	168.9	(12)
Texas	183,044	(3)	6,312.8	(30)	2,585	(15)	1.4%	(44)	89.2	(42)	4.2%	(6)	1,559	(28)	218.3	(6)
Utah	23,270	(28)	7,258.4	(22)	176	(41)	0.8%	(51)	54.9	(44)	2.4%	(17)	1,530	(29)	175.2	(11)
Vermont	1,227	(48)	1,966.4	(47)	56	(47)	4.6%	(17)	89.7	(41)	0.4%	(44)	1,518	(30)	6.0	(51)
Virginia	63,735	(14)	7,467.0	(20)	1,816	(16)	2.8%	(27)	212.8	(23)	0.8%	(37)	1,361	(36)	61.7	(29)
Washington	35,237	(23)	4,627.4	(38)	1,342	(21)	3.8%	(21)	176.2	(25)	1.7%	(25)	1,435	(33)	70.4	(27)
West Virginia	3,053	(46)	1,708.3	(48)	93	(44)	3.0%	(26)	52.0	(45)	1.9%	(23)	1,570	(27)	28.0	(47)
Wisconsin	29,738	(26)	5,107.5	(35)	793	(26)	2.7%	(29)	136.2	(32)	1.7%	(24)	1,695	(23)	84.3	(21)
Wyoming	1,550	(47)	2,678.1	(44)	20	(49)	1.3%	(49)	34.6	(48)	2.2%	(20)	1,246	(41)	57.3	(32)
United States	2,837,189		8,571.5		131,485		4.6%		397.2		1.8%		1,835		143.5	

Note: China only recently started reporting test volumes, as a result, their 7-day rates are inaccurate

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COUNTRY-BY-COUNTRY INFORMATION

Countries Included

"Strategic Guidance in an Era of Unprecedented Change"

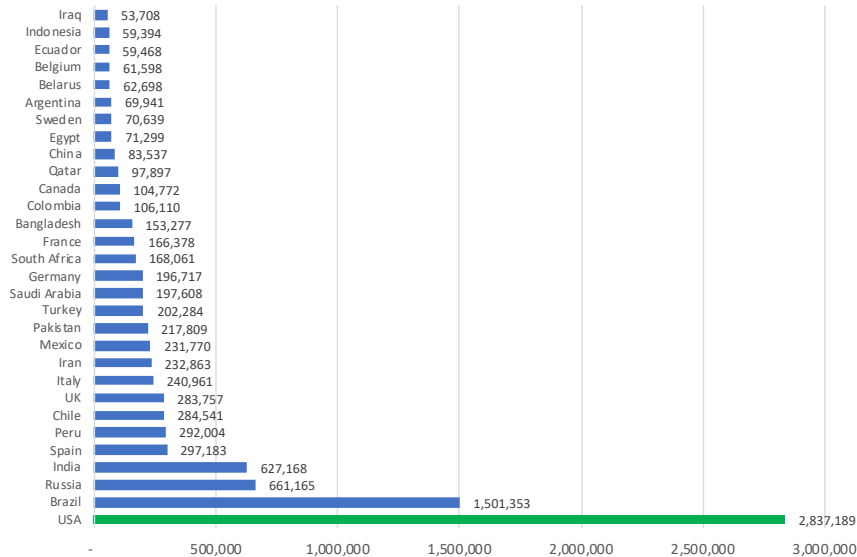
- In Mid-March, we began tracking the twenty countries with the most coronavirus cases; in mid-April, we expanded it to the thirty countries with the most cases
- We now have visibility to all 213 countries and 2 conveyances that have at least 1 coronavirus case
- Case and death information is sourced from the [worldometers.info](https://www.worldometers.info/), the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University and the New York Times, each of which are accessed daily; analysis by Health Industry Advisor LLC

Country-by-Country Cases & Cases Per Capita

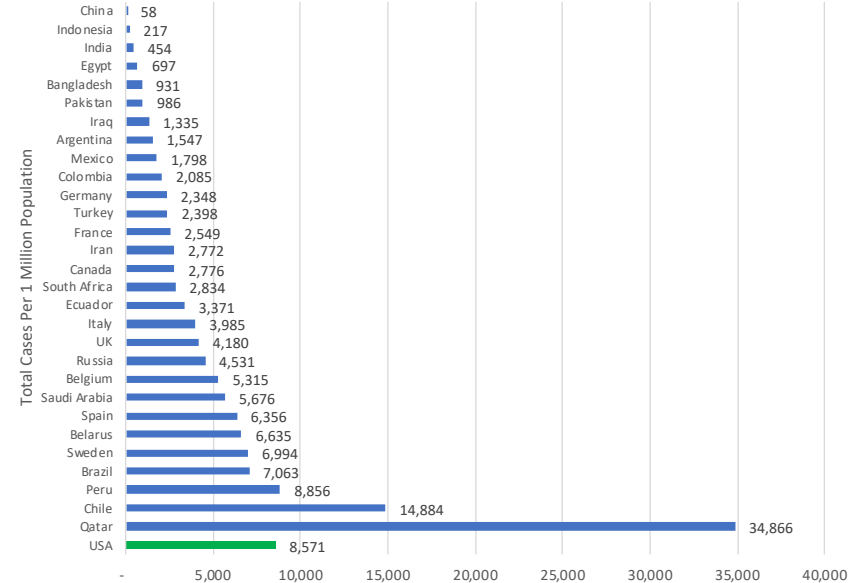
"Strategic Guidance in an Era of Unprecedented Change"

Countries Ranked 1-30 In Total Cases

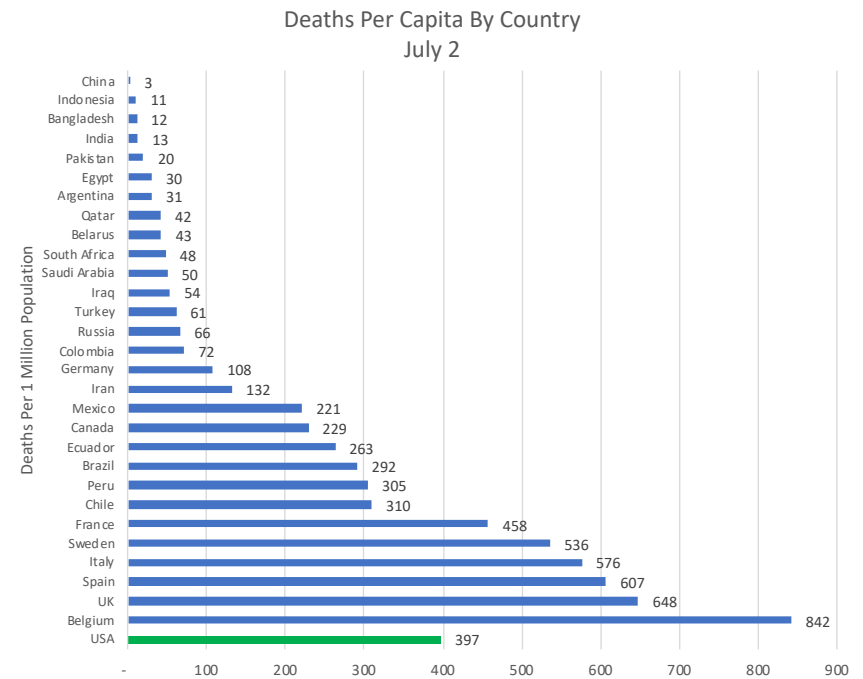
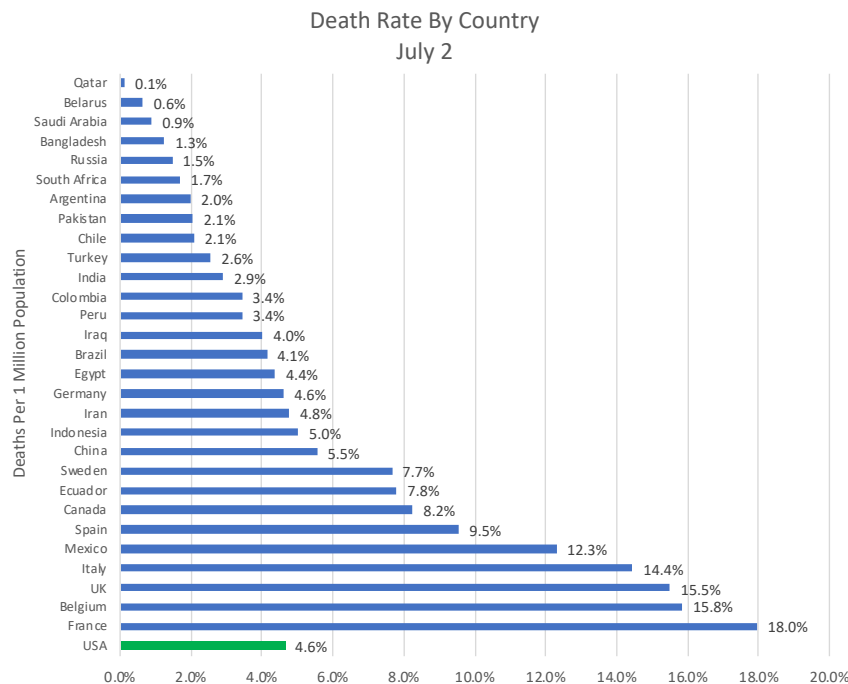
Total Cases By Country
July 2



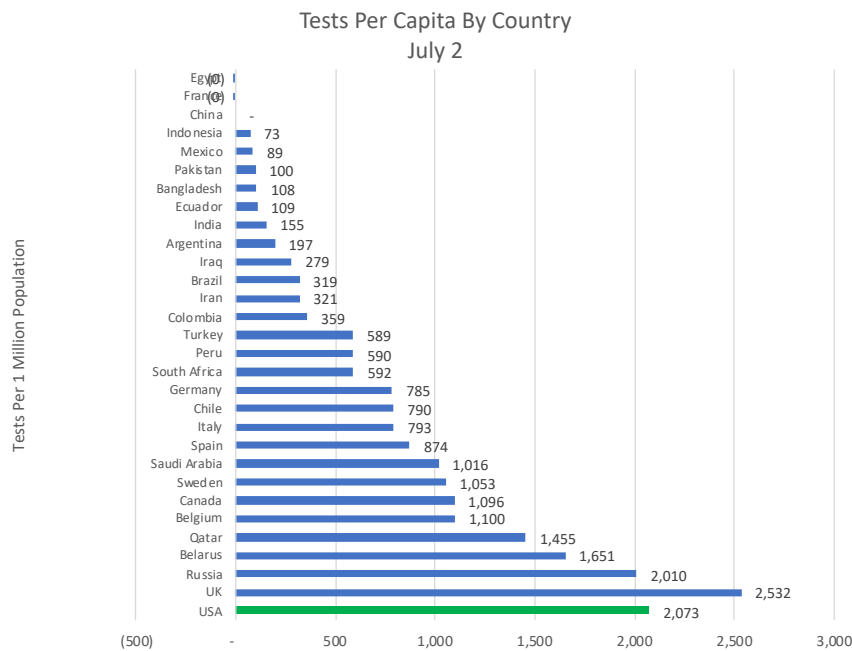
Cases Per Capita By Country
July 2



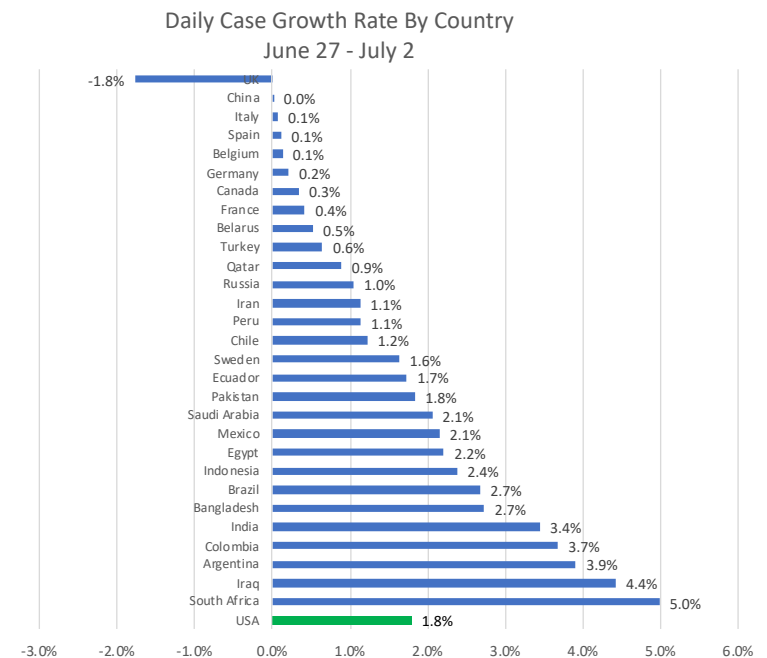
Countries Ranked 1-30 In Total Cases



Countries Ranked 1-30 In Total Cases



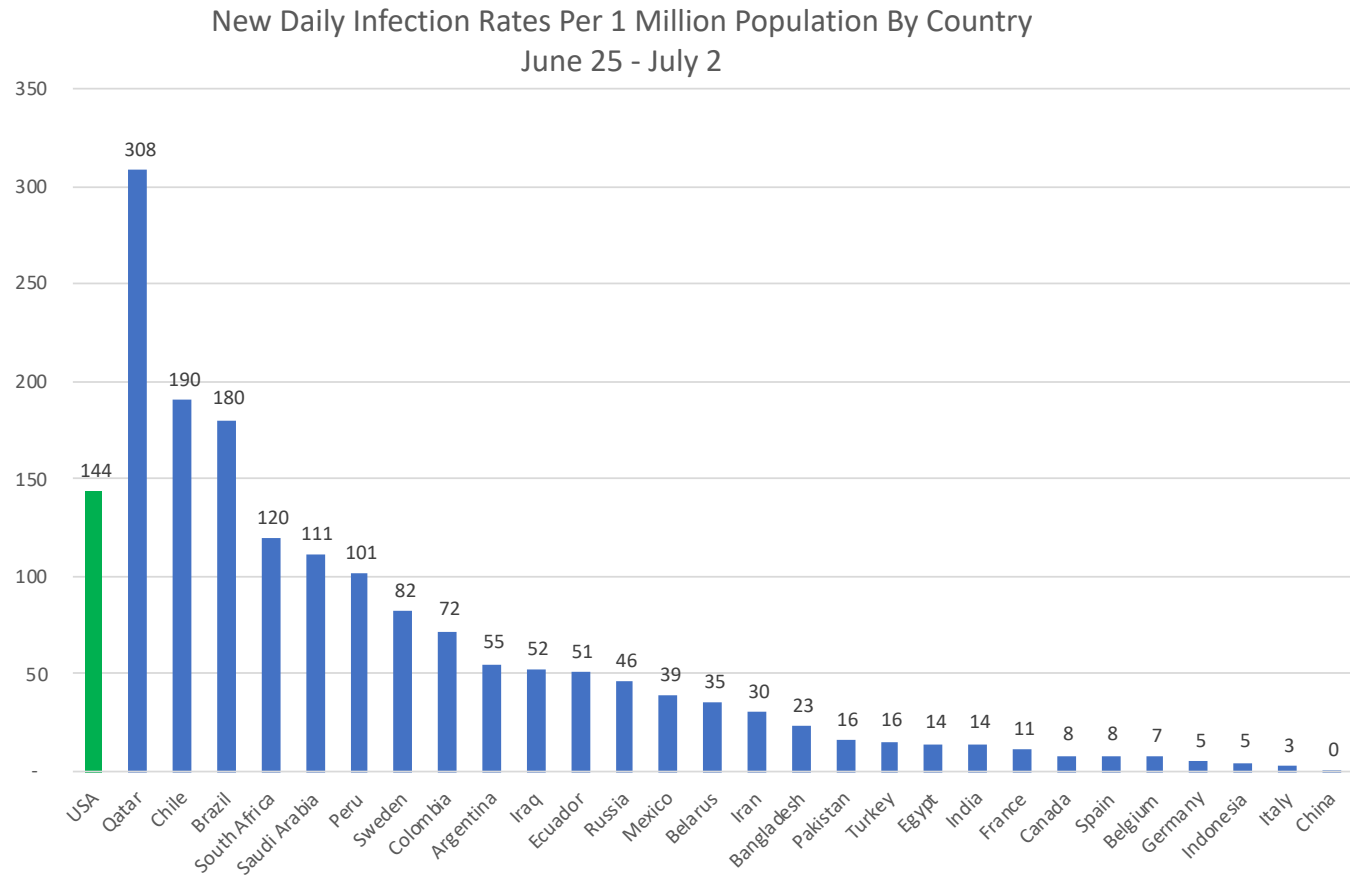
Daily Tests Per Capita For Past Week



Daily Case Growth – 5-Day Moving Average

Country-by-Country New Daily Infection Rates

"Strategic Guidance in an Era of Unprecedented Change"



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Country-By-Country Listing of Countries By Total Cases

"Strategic Guidance in an Era of Unprecedented Change"

Countries making large upward movements are highlighted

When we first expanded our tracking to 30 countries in mid-April, they represented the most countries with cases in the world. Since that time, Austria, Israel, Japan and South Korea have dropped in the rankings. Among the countries that have moved up:

- Afghanistan
- Argentina
- Bangladesh
- Belarus
- Columbia
- Denmark
- Dominican Republic
- Indonesia
- Kuwait
- Poland
- Qatar
- Panama
- Philippines
- Romania
- South Africa
- UAE
- Ukraine

The original 30 still account for 83.1% of all cases worldwide.

Total Cases								
Rank	Country	2-Jul	Rank	Country	6-May	Rank	Country	27-Apr
1	USA	2,837,189	1	USA	1,263,092	1	USA	1,010,356
2	Brazil	1,501,353	2	Spain	253,682	2	Spain	229,422
3	Russia	661,165	3	Italy	214,457	3	Italy	199,414
4	India	627,168	4	UK	201,101	4	France	128,339
8	UK	283,757	5	France	174,191	5	Germany	158,758
5	Spain	297,183	6	Germany	168,162	6	UK	157,149
6	Peru	292,004	7	Russia	165,929	7	Turkey	112,261
7	Chile	284,541	8	Turkey	131,744	8	Iran	91,472
9	Italy	240,961	9	Brazil	126,611	9	Russia	87,147
10	Iran	232,863	10	Iran	101,650	10	China	82,830
11	Mexico	231,770	11	China	82,883	11	Brazil	66,501
12	Pakistan	217,809	12	Canada	63,496	12	Canada	48,500
13	Turkey	202,284	13	Peru	54,817	13	Belgium	46,687
15	Germany	196,717	14	India	52,987	14	Netherlands	38,245
14	Saudi Arabia	197,608	15	Belgium	50,781	15	India	29,451
17	France	166,378	16	Netherlands	41,319	16	Switzerland	29,164
20	Canada	104,772	17	Saudi Arabia	31,938	17	Peru	28,669
22	China	83,537	18	Switzerland	30,060	18	Portugal	24,070
24	Sweden	70,639	19	Ecuador	29,420	19	Ecuador	23,240
27	Belgium	61,598	20	Portugal	26,182	20	Ireland	19,648
28	Ecuador	59,468	21	Mexico	26,025	21	Sweden	18,926
31	Netherlands	50,335	22	Sweden	23,918	22	Saudi Arabia	18,811
35	Singapore	44,310	23	Pakistan	23,214	23	Israel	15,555
36	Portugal	42,782	24	Chile	23,048	24	Austria	15,274
45	Switzerland	31,967	25	Ireland	22,248	25	Mexico	14,677
51	Ireland	25,489	26	Singapore	20,198	26	Singapore	14,423
49	Israel	27,047	29	Israel	16,310	27	Pakistan	13,915
54	Japan	18,874	31	Austria	15,684	28	Chile	13,813
57	Austria	17,941	32	Japan	15,253	29	Japan	13,614
63	S. Korea	12,904	38	S. Korea	10,806	35	South Korea	10,738
Others		1,852,008	Others		356,176	Others		301,446
World		10,974,421			3,817,382	World		3,062,515

Country-by-Country Comparative Statistics

"Strategic Guidance in an Era of Unprecedented Change"

Top 30 Countries By Total Cases
As of July 2

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.)	Rank8
USA	2,837,189	(1)	8,571	(4)	131,485	(1)	4.6%	(13)	397.2	(7)	1.8%	(13)	2,073	(2)	143.5	(4)
Brazil	1,501,353	(2)	7,063	(5)	61,990	(2)	4.1%	(16)	291.6	(10)	2.7%	(7)	319	(19)	180.3	(3)
Russia	661,165	(3)	4,531	(11)	9,683	(12)	1.5%	(26)	66.4	(17)	1.0%	(19)	2,010	(3)	46.2	(13)
India	627,168	(4)	454	(28)	18,225	(8)	2.9%	(20)	13.2	(27)	3.4%	(5)	155	(22)	14.1	(21)
Spain	297,183	(5)	6,356	(8)	28,368	(7)	9.5%	(6)	606.7	(3)	0.1%	(27)	874	(10)	8.0	(24)
Peru	292,004	(6)	8,856	(3)	10,045	(10)	3.4%	(18)	304.6	(9)	1.1%	(17)	590	(15)	101.4	(7)
Chile	284,541	(7)	14,884	(2)	5,920	(15)	2.1%	(22)	309.7	(8)	1.2%	(16)	790	(12)	190.4	(2)
UK	283,757	(8)	4,180	(12)	43,995	(3)	15.5%	(3)	648.1	(2)	-1.8%	(30)	2,532	(1)	(51.0)	(30)
Italy	240,961	(9)	3,985	(13)	34,818	(4)	14.4%	(4)	575.9	(4)	0.1%	(28)	793	(11)	3.0	(28)
Iran	232,863	(10)	2,772	(17)	11,106	(9)	4.8%	(12)	132.2	(14)	1.1%	(18)	321	(18)	30.2	(16)
Mexico	231,770	(11)	1,798	(22)	28,510	(6)	12.3%	(5)	221.1	(13)	2.1%	(10)	89	(26)	38.7	(14)
Pakistan	217,809	(12)	986	(25)	4,473	(20)	2.1%	(23)	20.3	(26)	1.8%	(12)	100	(25)	16.1	(18)
Turkey	202,284	(13)	2,398	(19)	5,167	(17)	2.6%	(21)	61.3	(18)	0.6%	(21)	589	(16)	15.5	(19)
Saudi Arabia	197,608	(14)	5,676	(9)	1,752	(27)	0.9%	(28)	50.3	(20)	2.1%	(11)	1,016	(9)	110.7	(6)
Germany	196,717	(15)	2,348	(20)	9,064	(13)	4.6%	(14)	108.2	(15)	0.2%	(25)	785	(13)	5.0	(26)
South Africa	168,061	(16)	2,834	(15)	2,844	(24)	1.7%	(25)	48.0	(21)	5.0%	(1)	592	(14)	119.7	(5)
France	166,378	(17)	2,549	(18)	29,875	(5)	18.0%	(1)	457.7	(6)	0.4%	(23)	0	(29)	11.0	(22)
Bangladesh	153,277	(18)	931	(26)	1,926	(26)	1.3%	(27)	11.7	(28)	2.7%	(6)	108	(24)	23.1	(17)
Colombia	106,110	(19)	2,085	(21)	3,641	(21)	3.4%	(19)	71.6	(16)	3.7%	(4)	359	(17)	71.6	(9)
Canada	104,772	(20)	2,776	(16)	8,642	(14)	8.2%	(7)	229.0	(12)	0.3%	(24)	1,096	(7)	8.1	(23)
Qatar	97,897	(21)	34,866	(1)	118	(30)	0.1%	(30)	42.0	(23)	0.9%	(20)	1,455	(5)	308.3	(1)
China	83,537	(22)	58	(30)	4,634	(19)	5.5%	(10)	3.2	(30)	0.0%	(29)	0	(28)	0.0	(29)
Egypt	71,299	(23)	697	(27)	3,120	(22)	4.4%	(15)	30.5	(25)	2.2%	(9)	0	(29)	14.2	(20)
Sweden	70,639	(24)	6,994	(6)	5,411	(16)	7.7%	(9)	535.8	(5)	1.6%	(15)	1,053	(8)	82.1	(8)
Argentina	69,941	(25)	1,547	(23)	1,385	(28)	2.0%	(24)	30.6	(24)	3.9%	(3)	197	(21)	55.3	(10)
Belarus	62,698	(26)	6,635	(7)	405	(29)	0.6%	(29)	42.9	(22)	0.5%	(22)	1,651	(4)	35.0	(15)
Belgium	61,598	(27)	5,315	(10)	9,761	(11)	15.8%	(2)	842.2	(1)	0.1%	(26)	1,100	(6)	7.3	(25)
Ecuador	59,468	(28)	3,371	(14)	4,639	(18)	7.8%	(8)	262.9	(11)	1.7%	(14)	109	(23)	51.1	(12)
Indonesia	59,394	(29)	217	(29)	2,987	(23)	5.0%	(11)	10.9	(29)	2.4%	(8)	73	(27)	4.8	(27)
Iraq	53,708	(30)	1,335	(24)	2,160	(25)	4.0%	(17)	53.7	(19)	4.4%	(2)	279	(20)	51.7	(11)

Note: China only recently started reporting test volumes, as a result, their 7-day rates are inaccurate

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