

COVID-19 Dashboard

Issue # 97
Tuesday, July 7, 2020

"Strategic Guidance in an Era of Unprecedented Change"

Measure	Desired Change	Yesterday in the U.S.
Number of Tests	Increase	~519,000; average of 638,000 for past 7 days
Test-Positivity Rate	Decline	9.1%; 7.8% for the past 7 days
Number of Cases	Plateau	57,905; Includes 7,232 cases from Thu-Sat for LA
Deaths % of Total Cases	Decline	4.37%
Number of Deaths / 1M Population	Plateau	401.7
Recoveries : Death	Increase	9.96

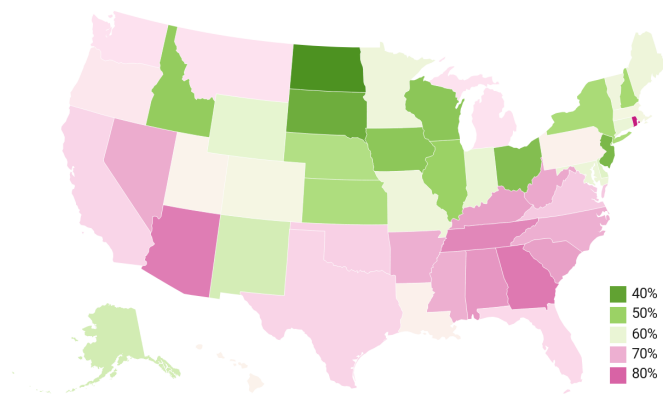
- California included 7,232 new cases in their reported total for Monday that should have been included Thursday - Saturday. So, the 57,900 new cases reported for the United States yesterday was high but, wasn't quite as bad as it looks
- Test volume was down yesterday from the record highs of the past several days; following form, lower test volume correlated with a higher daily test-positive rate of 9.1%. Still, tests are up 11.5% on a week-over-week basis and the test-positive rate was 7.8% for the past week
- On a week-over-week basis, new cases are up 21.5% - still too high but, improved over the 39.9% week-over-week increase a week earlier and the 33.6% rate two weeks earlier
- ICU bed occupancy is a concern, particularly in states with the highest rate of new cases: Arizona, California, Florida and Texas. In today's report, we show trend in the rates for these states over the past month, as well as estimated occupancy rates by state (data are as of June 30 - the latest available from our Centers for Disease Control source)
- Deaths, both in aggregate numbers and in the rate per case, continue to be a positive story: With 415 deaths reported yesterday, the United States continues to see far fewer deaths than during the peak of the crisis in March and April. Further, the death rate has fallen from its peak of nearly 6% to <4.4%
 - the decline in death rate is clearly a function of better case identification (including asymptomatic and mild symptom cases), as well as the shift in identified cases to a younger population
 - the decline in reported deaths is likely due to this shift in infected patients as well as better treatment protocols. Some health experts are also beginning to suggest the the virus has mutated to are more rapidly-spreading yet, less deadly strain
- New Jersey and New York have progressed dramatically since the height of the crisis: using April 8 as a reference point (the peak of New Jersey's new infection rate), these two states are performing 3x the number of tests; test-positive rates have declined from 45-55% to 1-1.6%; and new daily infections per million have declined from 570-1,050 to 15-40 per day
 - In each state, per testing, about 2-2.2% of the population has been infected by the virus. The CDC has suggested that the true infection rate is 10x the rate identified via testing
 - A presumed infection rate of 10x the 2% identified - 20% - is still insufficient for herd immunity, according to health expert opinions
 - Still, the low test-positive and infection rates, at the testing volumes currently performed in these two states, suggests that the virus spread is being well-controlled at this time
- Internationally. Iran surpassed Italy and now has the 10th most cases in the world

State-By-State Estimated ICU Occupancy

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Estimated ICU Occupancy

June 30, 2020



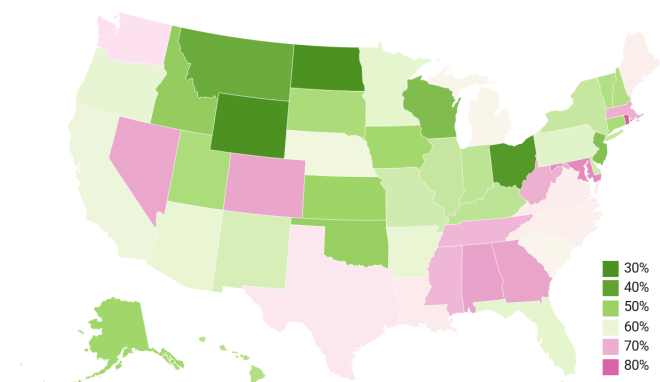
Map: Health Industry Advisor LLC • Source: Centers for Disease Control • Created with Datawrapper

Observations:

- Demand on ICU beds has clearly increased during June, as infections have accelerated
- This demand is most acute in the South

Estimated ICU Occupancy

June 1, 2020



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

Trends in ICU Occupancy Rates

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Estimated ICU Occupancy %

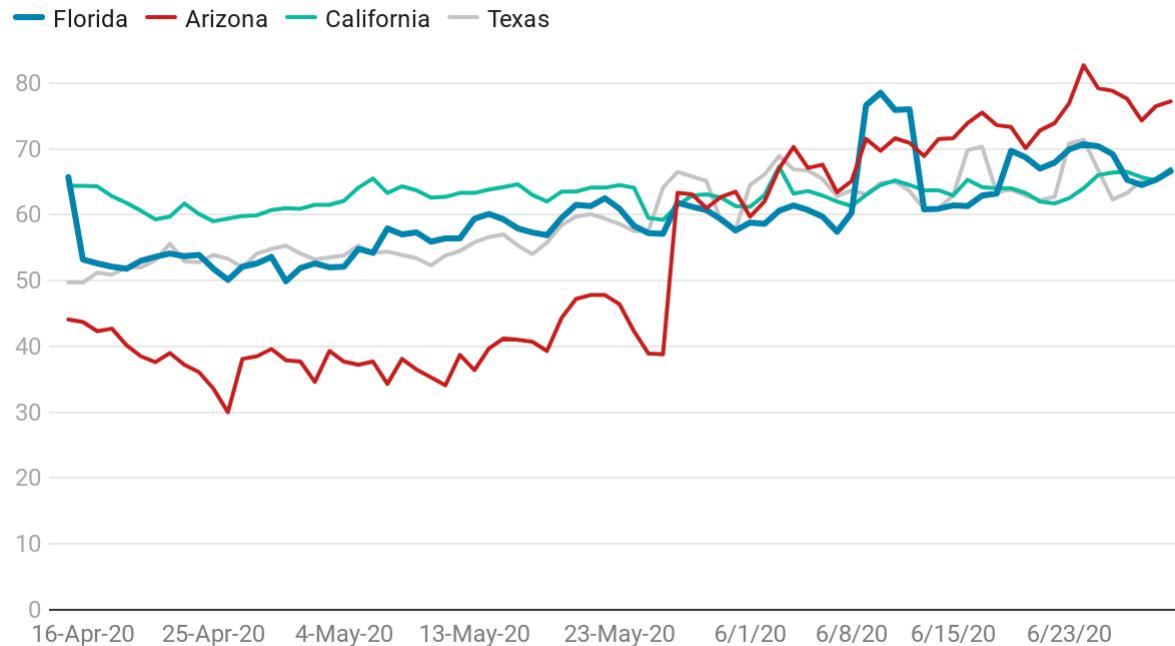
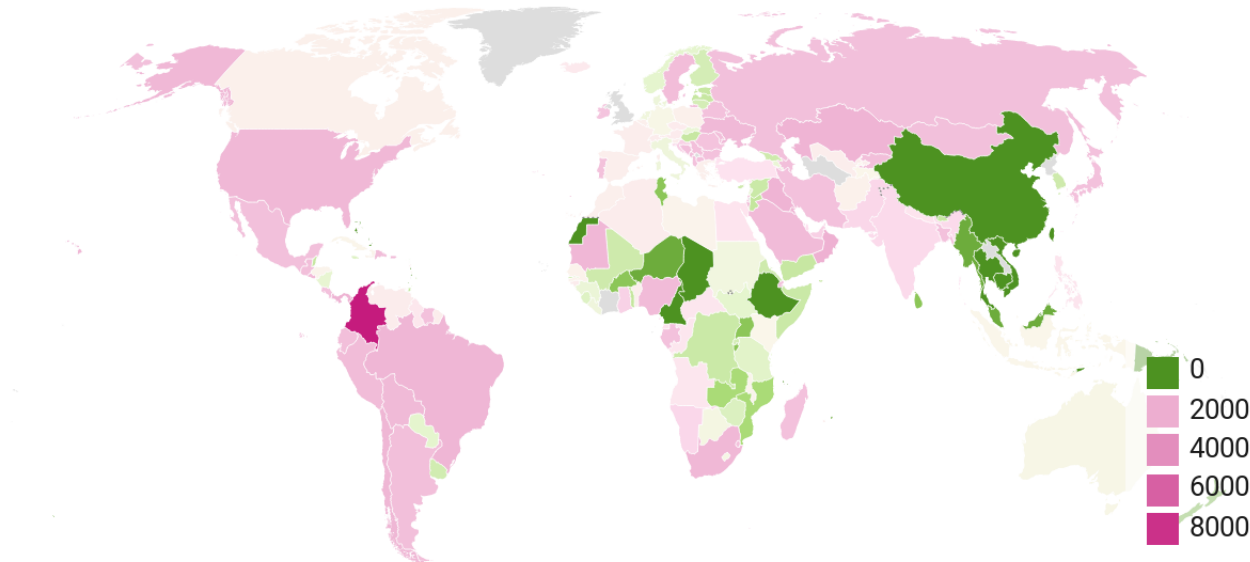


Chart: Health Industry Advisor LLC • Source: Centers for Disease Control • Created with Datawrapper

New Infections / 1 Million Population

Trailing 7-Day Moving Average, As of July 6



Health Industry Advisor LLC analysis

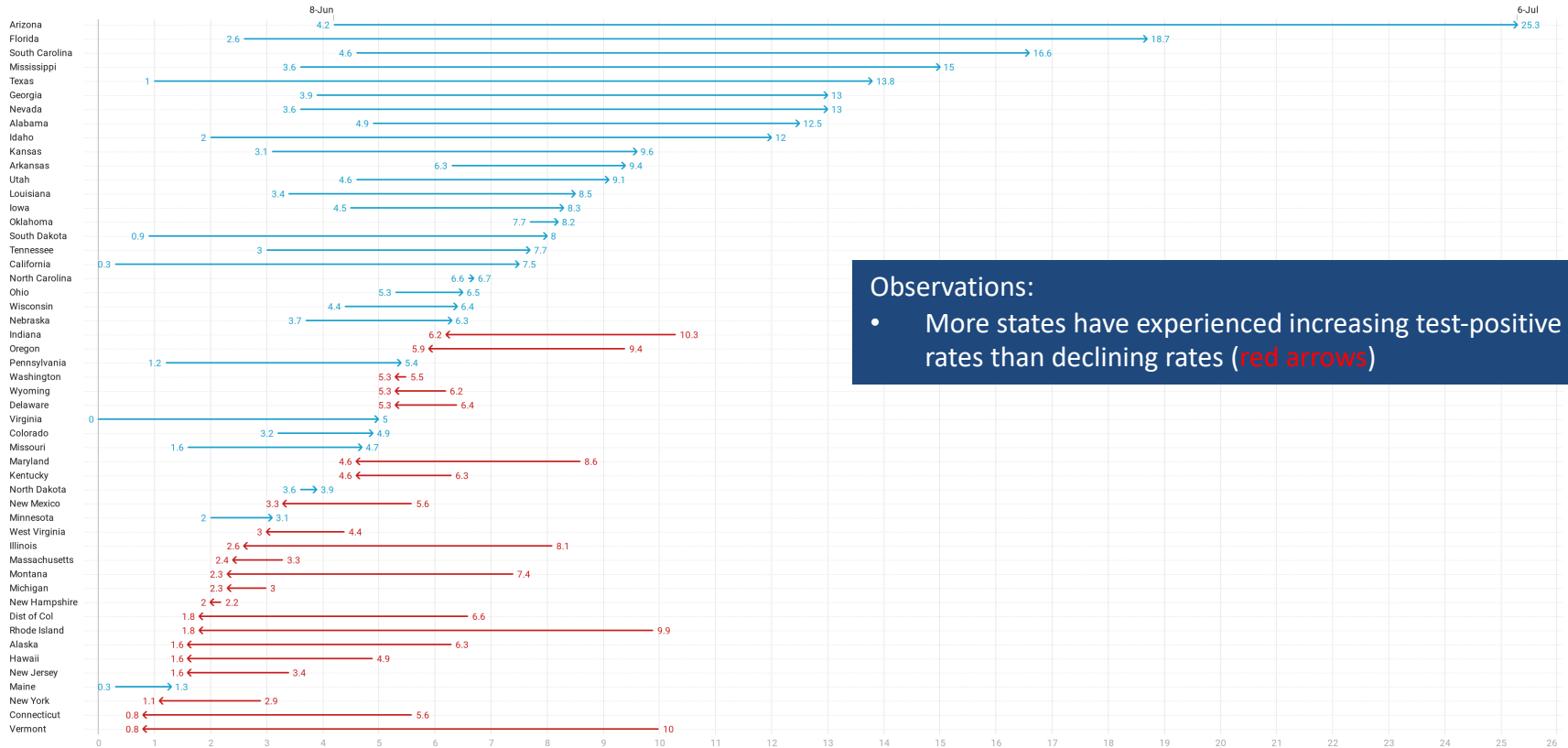
Map: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

State-By-State Changes in Test-Positive Rates – Past 4 Weeks

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Change in Test-Positive Rate - Past 4 Weeks

Trailing 7-Day Moving Average



Observations:

- More states have experienced increasing test-positive rates than declining rates (red arrows)

Health Industry Advisor LLC analysis

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

UNITED STATES & STATE-BY-STATE INFORMATION

New Jersey & New York Progress Since Peak of Crisis

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New Jersey

Tests & Infection Rates, April 7 v July 6

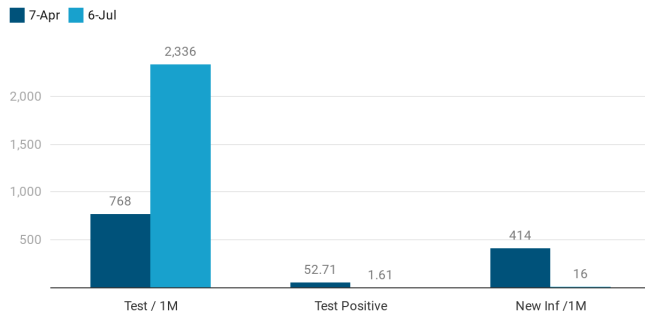


Chart: Health Industry Advisor LLC • Created with Datawrapper

Observations:

- At the peak of the crisis, New Jersey and New York were identifying 400-500 new infections per million population each day
- This was despite relatively poor testing rates:
 - 45-53% test-positive rates
 - 750 – 1,050 daily tests per million
- Today, these states are recording only 15-40 new infections per million per day
- This, despite performing 3x the number of tests
 - Further, their test-positive rates are very low, at 1-1.6%

New York

Tests & Infection Rates, April 7 v July 6

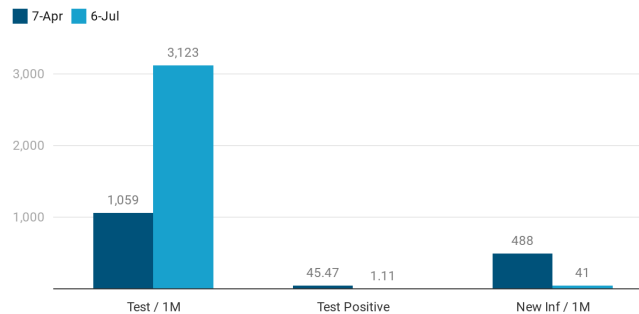


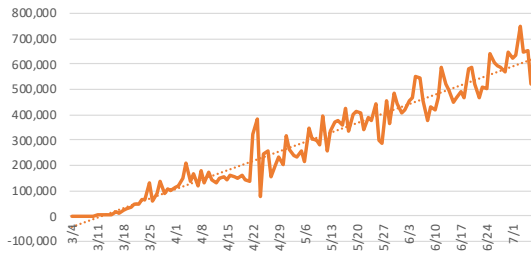
Chart: Health Industry Advisor LLC • Created with Datawrapper

United States Overall Statistics

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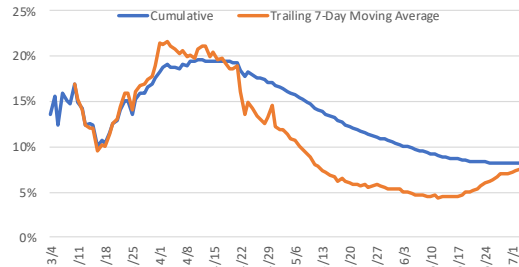
With significantly increased testing, the US is now meeting the WHO standard of <10% test-positives. This suggests that asymptomatic cases are being captured and that we have a better view of true infection rates. Further, new daily infections continue to decline; the death rate seems to have stabilized.

New Daily Tests - US



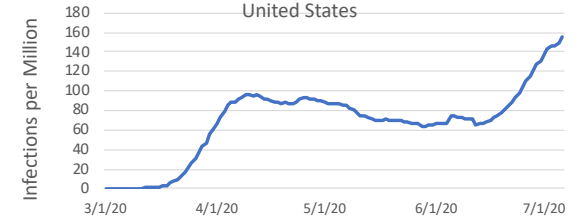
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Test-Positive Rate



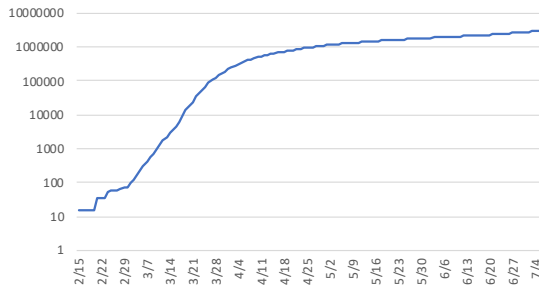
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New Daily Infections Per 1M
Trailing 7-Day Moving Average
United States



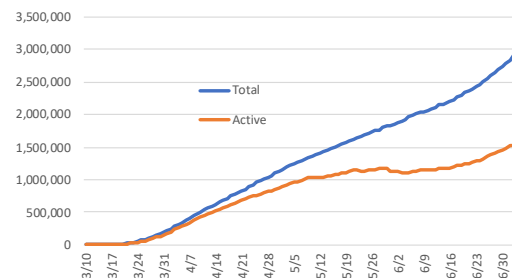
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Total Cases Log Scale - US



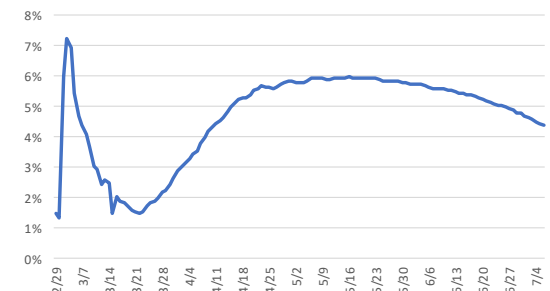
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Cases - US



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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

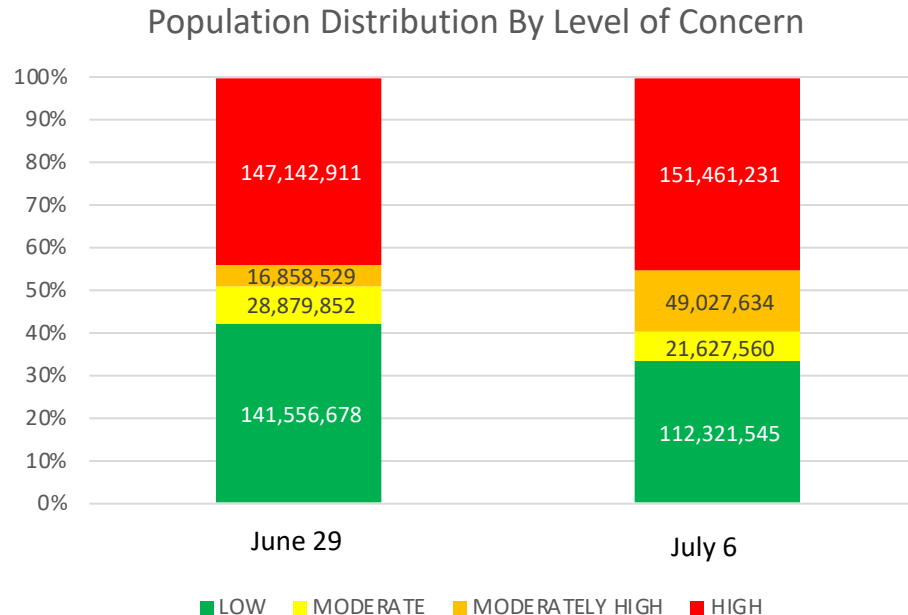
We combined these criteria into a single score, reflective of our relative degree of concern of each state's current status (High, Moderately High, Moderate, Low)



State-By-State Data

Population Distribution By Level of Concern

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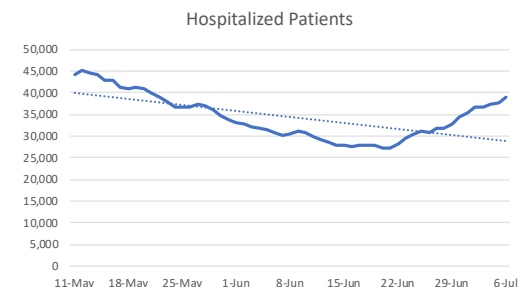
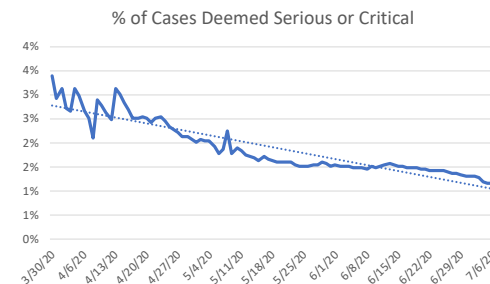
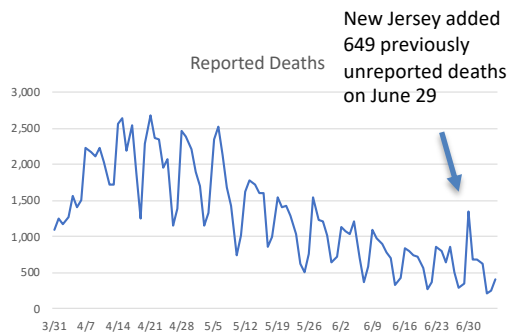
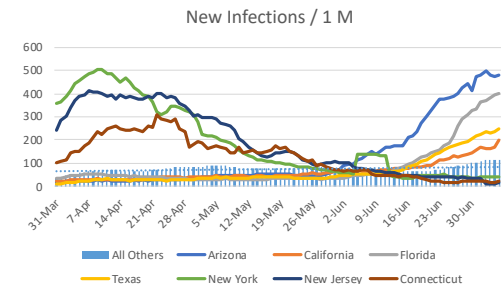
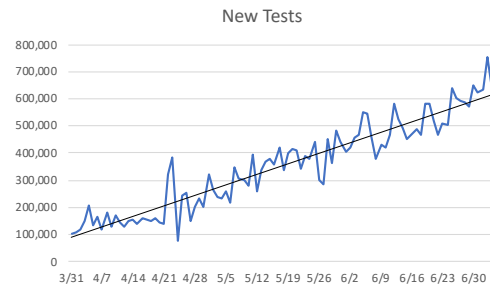
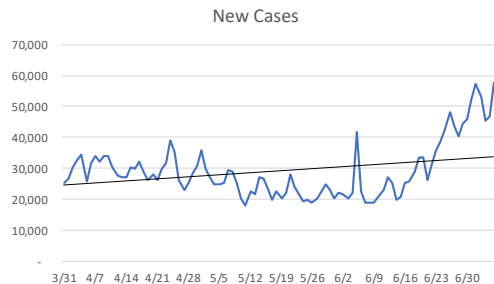
ANALYZING TRENDS IN THE CONCENTRATION & SEVERITY OF THE VIRUS

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?

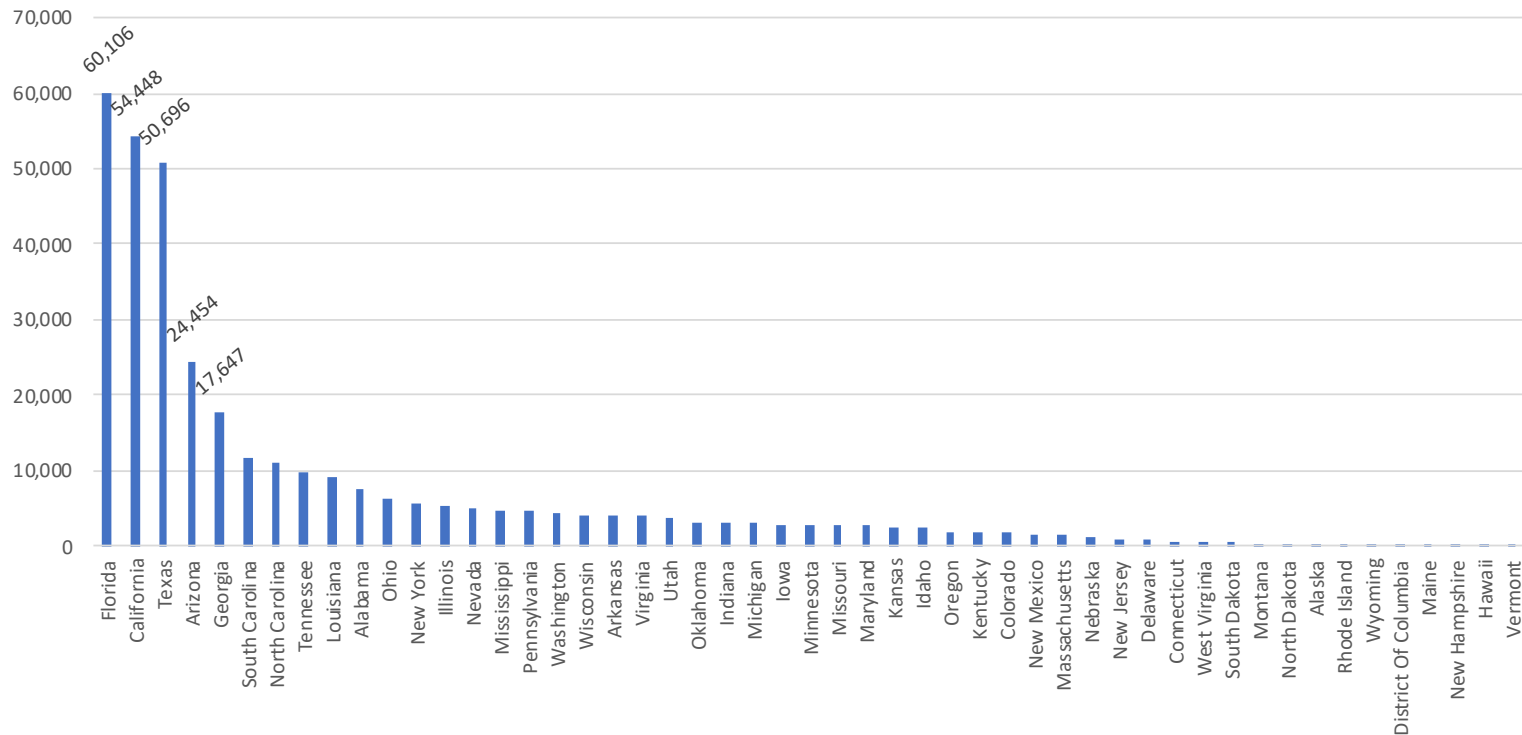


Case Increases By State – Past 7 Days

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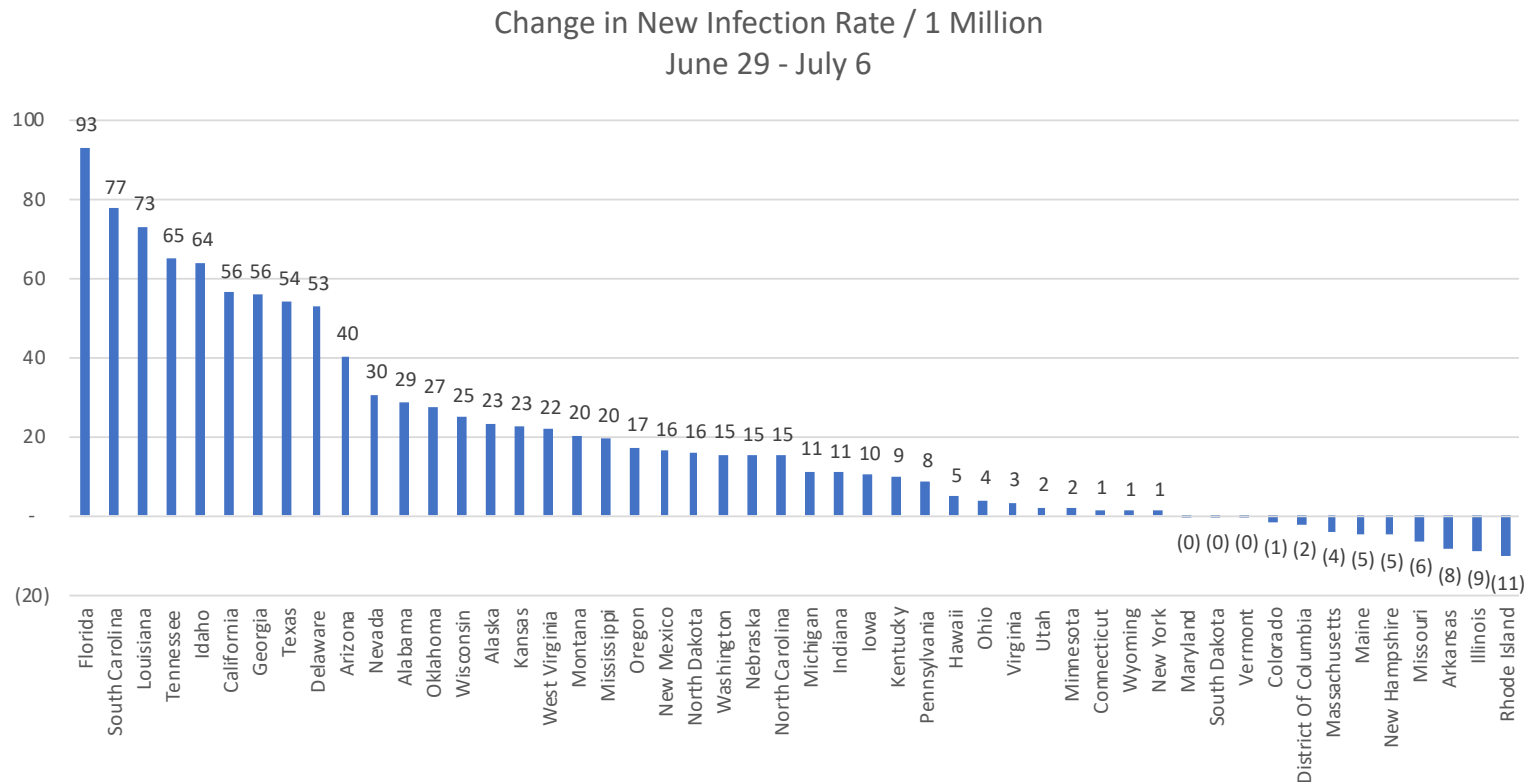
Case Growth in the U.S. Has Been Concentrated in A Few States

Case Increase By State
June 29 - July 6



Change In New Infections / 1 Million

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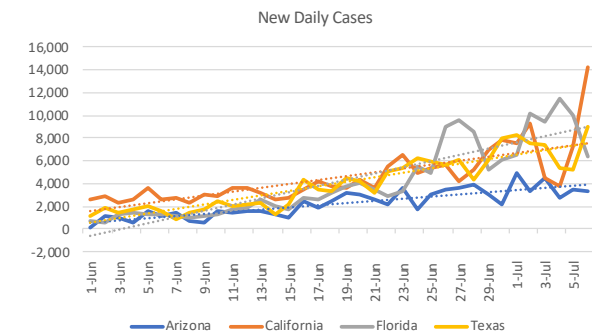
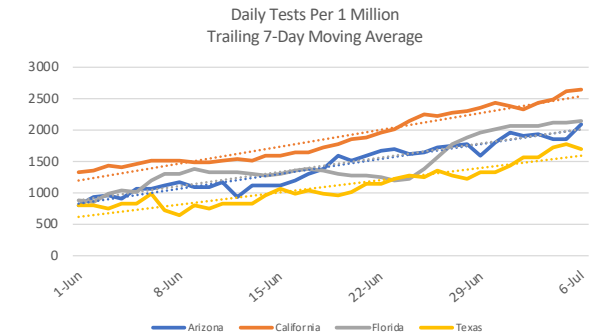
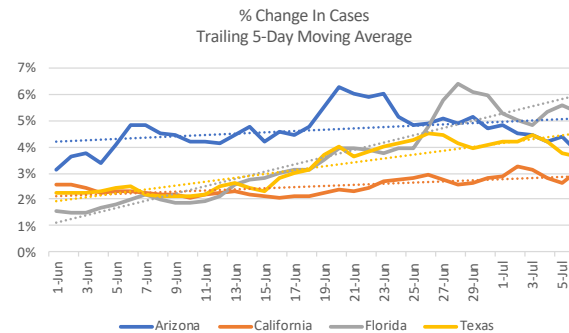
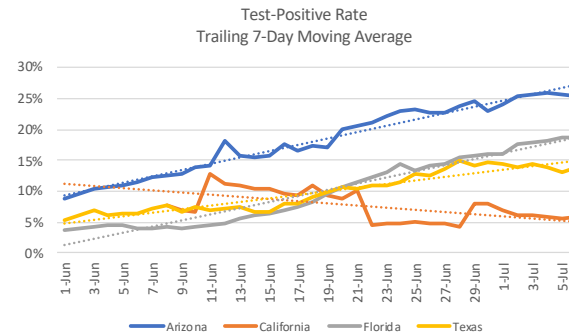


Tracking Testing Rates and Cases Arizona, California, Florida and Texas

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Observations:

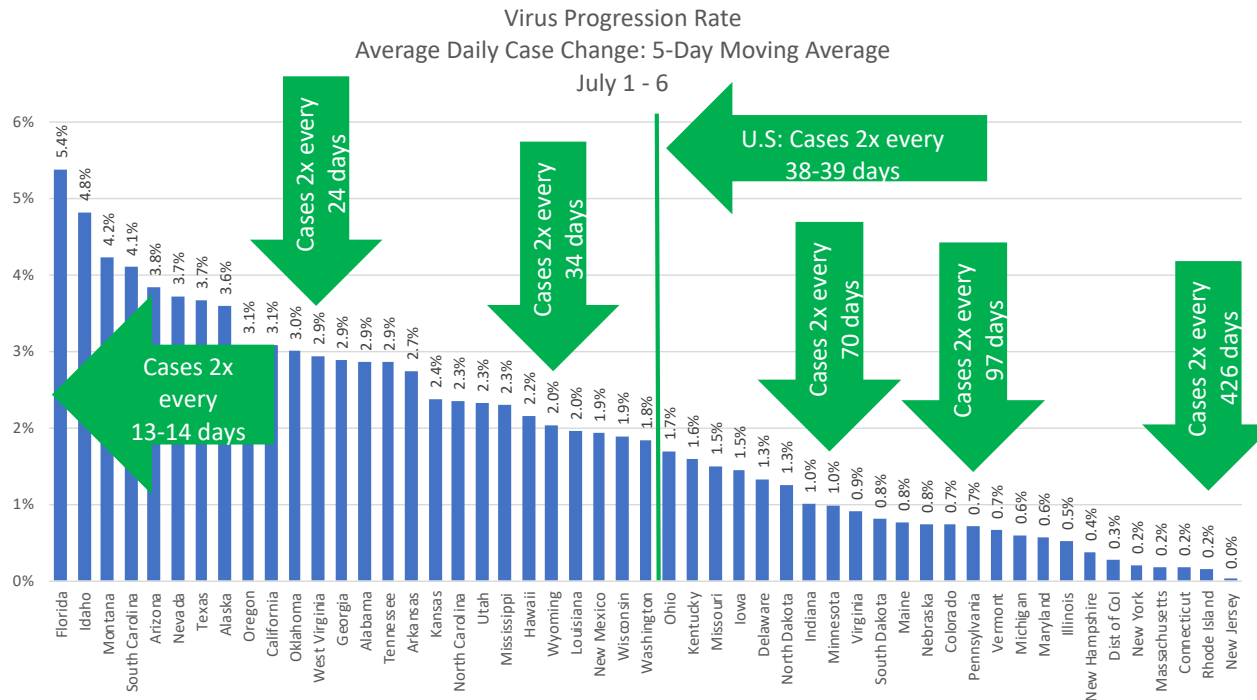
- Arizona and Florida continue to show high and increasing test-positive rates; Texas' rate has begun to decline; California's is low and declining
- Testing rates continue to increase in all 4 states
- Rates of change in case volumes continue to decline in Arizona and Florida; stabilizing in Texas



Average Daily Case Growth

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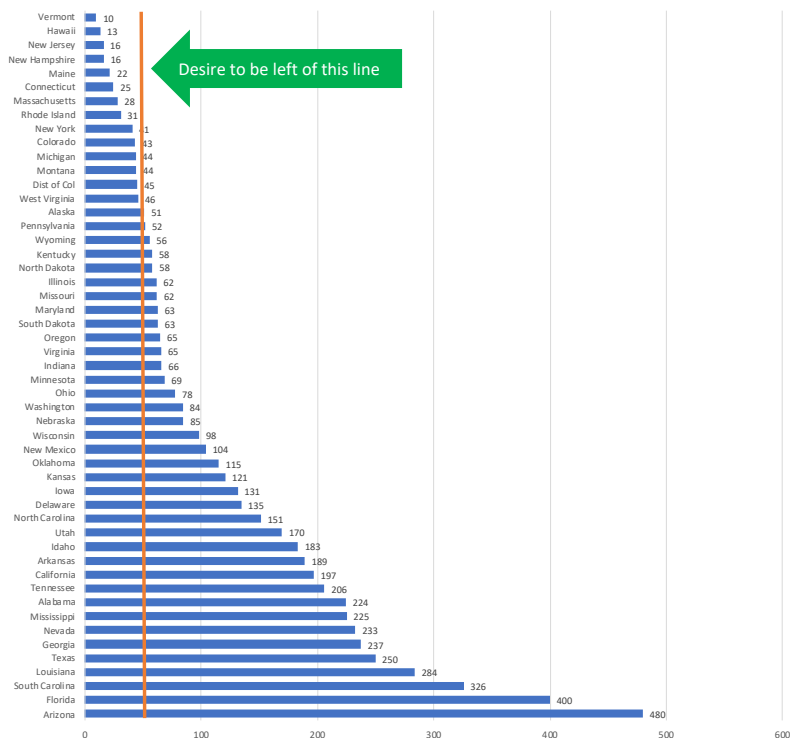
At the height of the epidemic, cases in some states were doubling every few days. Now, they would take from 13-14 days – infinity? to double



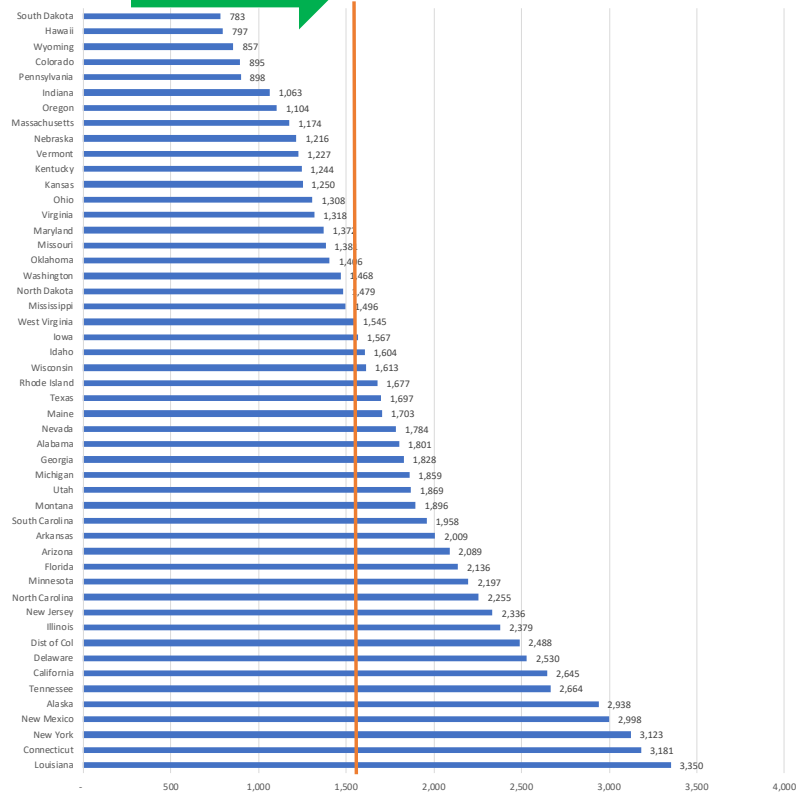
State-by-State New Daily Infections & Tests Per Capita

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New Daily Infections Per 1 Million Population
By State
June 29 - July 6



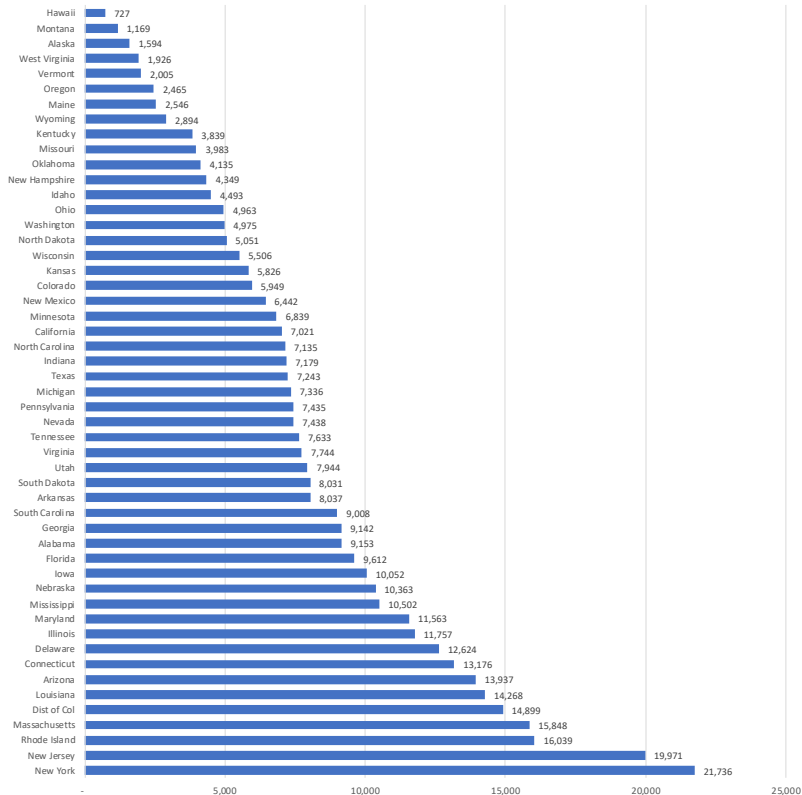
Daily Tests Per 1 Million Population
By State
June 29 - July 6



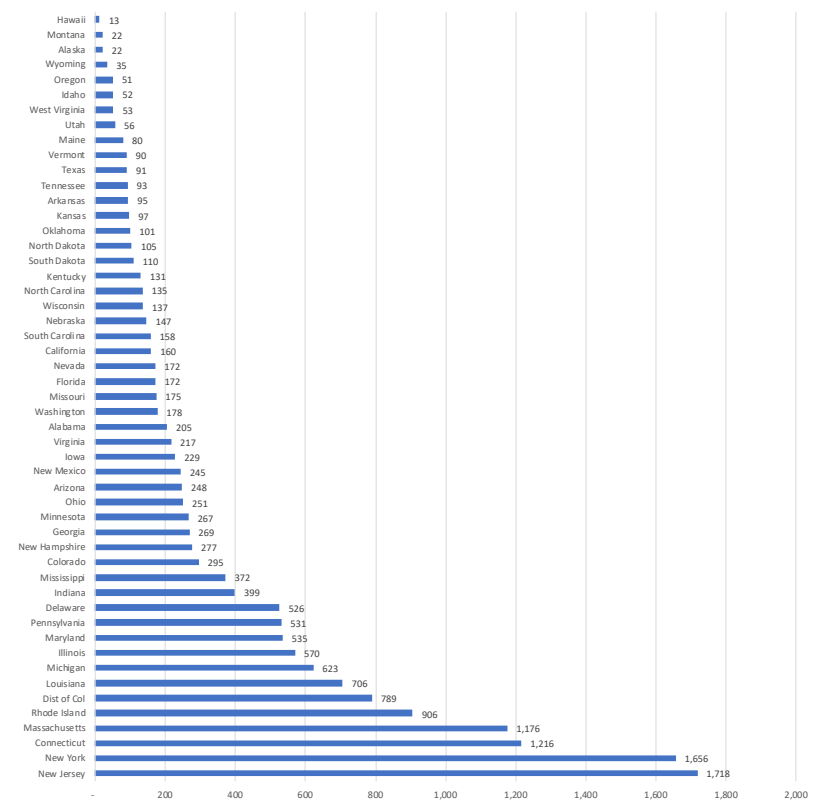
State-by-State Cases & Deaths Per Capita

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Total Cases Per 1 Million Population
By State
As of July 6



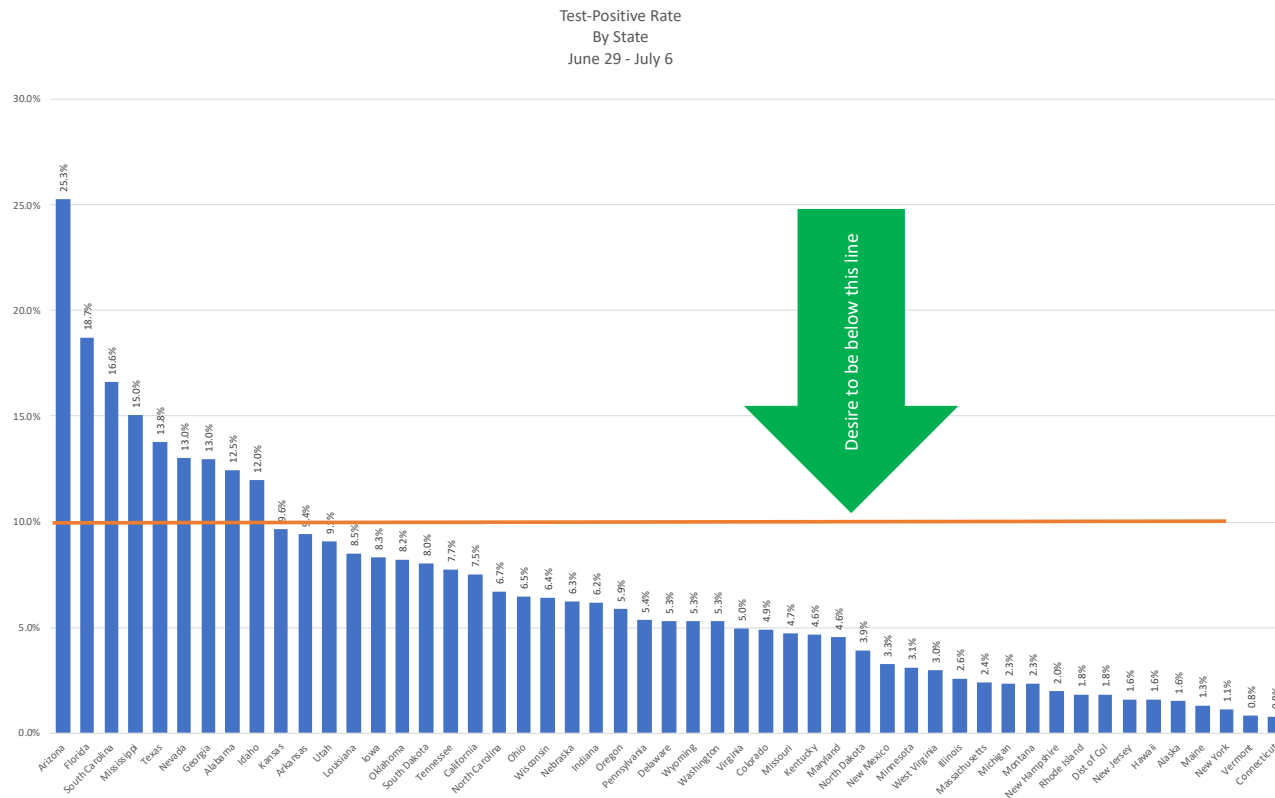
Deaths Per 1 Million Population
By State
As of July 6



Which States Are Performing Sufficient Tests?

"Strategic Guidance in an Era of Unprecedented Change"

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



As of July 6

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	44,878	(21)	9,152.8	(16)	1,007	(24)	2.2%	(33)	205.4	(24)	2.9%	(14)	1,801	(22)	248.0	(5)
Alaska	1,166	(50)	1,593.9	(49)	16	(51)	1.4%	(44)	21.9	(49)	3.6%	(8)	2,938	(5)	49.8	(35)
Arizona	101,441	(8)	13,936.7	(7)	1,810	(17)	1.8%	(40)	248.7	(20)	3.8%	(5)	2,089	(15)	474.6	(1)
Arkansas	24,253	(30)	8,036.6	(19)	292	(37)	1.2%	(48)	96.8	(39)	2.7%	(16)	2,009	(16)	189.2	(12)
California	277,433	(2)	7,021.4	(30)	6,445	(6)	2.3%	(31)	163.1	(29)	3.1%	(10)	2,645	(7)	170.4	(14)
Colorado	34,257	(24)	5,948.7	(33)	1,701	(18)	5.0%	(13)	295.4	(15)	0.7%	(39)	895	(47)	43.6	(40)
Connecticut	46,976	(19)	13,175.9	(8)	4,338	(8)	9.2%	(1)	1,216.7	(3)	0.2%	(49)	3,181	(2)	16.6	(47)
Delaware	12,293	(38)	12,624.2	(9)	512	(34)	4.2%	(18)	525.8	(12)	1.3%	(31)	2,530	(8)	132.3	(17)
District Of Columbia	10,515	(39)	14,899.1	(5)	561	(31)	5.3%	(10)	794.9	(6)	0.3%	(46)	2,488	(9)	47.4	(37)
Florida	206,447	(4)	9,612.1	(15)	3,778	(9)	1.8%	(39)	175.9	(26)	5.4%	(1)	2,136	(14)	392.7	(2)
Georgia	97,064	(9)	9,142.0	(17)	2,878	(13)	3.0%	(25)	271.1	(17)	2.9%	(13)	1,828	(21)	246.3	(6)
Hawaii	1,030	(51)	727.5	(51)	19	(50)	1.8%	(37)	13.4	(51)	2.2%	(21)	797	(49)	12.5	(49)
Idaho	8,052	(41)	4,493.1	(39)	94	(45)	1.2%	(50)	52.5	(46)	4.8%	(2)	1,604	(28)	192.4	(11)
Illinois	148,987	(6)	11,757.3	(10)	7,236	(4)	4.9%	(14)	571.0	(9)	0.5%	(44)	2,379	(10)	63.1	(31)
Indiana	48,331	(18)	7,179.1	(28)	2,698	(15)	5.6%	(9)	400.8	(13)	1.0%	(33)	1,063	(45)	65.3	(29)
Iowa	31,716	(26)	10,052.4	(14)	723	(28)	2.3%	(32)	229.2	(22)	1.5%	(30)	1,567	(29)	135.2	(16)
Kansas	16,973	(35)	5,826.0	(34)	285	(38)	1.7%	(42)	97.8	(38)	2.4%	(17)	1,250	(39)	114.0	(18)
Kentucky	17,152	(33)	3,839.1	(43)	593	(30)	3.5%	(23)	132.7	(34)	1.6%	(28)	1,244	(40)	36.6	(44)
Louisiana	66,327	(14)	14,267.6	(6)	3,302	(10)	5.0%	(12)	710.3	(7)	2.0%	(23)	3,350	(1)	275.6	(4)
Maine	3,423	(46)	2,546.5	(45)	109	(42)	3.2%	(24)	81.1	(43)	0.8%	(37)	1,703	(24)	23.8	(46)
Maryland	69,904	(13)	11,562.6	(11)	3,246	(11)	4.6%	(15)	536.9	(10)	0.6%	(43)	1,372	(36)	67.5	(26)
Massachusetts	110,137	(7)	15,848.2	(4)	8,198	(3)	7.4%	(5)	1,179.7	(4)	0.2%	(48)	1,174	(43)	26.9	(45)
Michigan	73,267	(12)	7,336.3	(26)	6,221	(7)	8.5%	(3)	622.9	(8)	0.6%	(42)	1,859	(20)	42.8	(41)
Minnesota	38,569	(22)	6,838.9	(31)	1,511	(19)	3.9%	(19)	267.9	(18)	1.0%	(34)	2,197	(13)	65.5	(28)
Mississippi	31,257	(27)	10,502.5	(12)	1,114	(22)	3.6%	(22)	374.3	(14)	2.3%	(20)	1,496	(31)	240.4	(8)

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

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As of July 6

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	24,444	(29)	3,982.8	(42)	1,074	(23)	4.4%	(17)	175.0	(27)	1.5%	(29)	1,381	(35)	75.5	(24)
Montana	1,249	(49)	1,168.6	(50)	23	(48)	1.8%	(38)	21.5	(50)	4.2%	(3)	1,896	(18)	46.6	(38)
Nebraska	20,046	(32)	10,362.9	(13)	283	(39)	1.4%	(43)	146.3	(31)	0.8%	(38)	1,216	(42)	76.1	(23)
Nevada	22,909	(31)	7,437.6	(24)	537	(32)	2.3%	(30)	174.3	(28)	3.7%	(6)	1,784	(23)	243.9	(7)
New Hampshire	5,914	(43)	4,349.5	(40)	382	(36)	6.5%	(7)	280.9	(16)	0.4%	(45)	729	(51)	15.8	(48)
New Jersey	177,384	(5)	19,970.8	(2)	15,302	(2)	8.6%	(2)	1,722.8	(1)	0.0%	(51)	2,336	(11)	9.9	(51)
New Mexico	13,507	(37)	6,441.6	(32)	515	(33)	3.8%	(20)	245.6	(21)	1.9%	(24)	2,998	(4)	98.6	(20)
New York	422,851	(1)	21,736.4	(1)	32,267	(1)	7.6%	(4)	1,658.7	(2)	0.2%	(47)	3,123	(3)	40.2	(42)
North Carolina	74,834	(11)	7,135.1	(29)	1,438	(20)	1.9%	(36)	137.1	(32)	2.3%	(18)	2,255	(12)	146.9	(15)
North Dakota	3,849	(44)	5,050.8	(36)	80	(46)	2.1%	(34)	105.0	(36)	1.3%	(32)	1,479	(32)	60.2	(33)
Ohio	58,013	(16)	4,963.0	(38)	2,940	(12)	5.1%	(11)	251.5	(19)	1.7%	(27)	1,308	(38)	76.9	(22)
Oklahoma	16,362	(36)	4,135.0	(41)	399	(35)	2.4%	(29)	100.8	(37)	3.0%	(11)	1,406	(34)	107.7	(19)
Oregon	10,395	(40)	2,464.6	(46)	215	(40)	2.1%	(35)	51.0	(47)	3.1%	(9)	1,104	(44)	64.0	(30)
Pennsylvania	95,187	(10)	7,435.3	(25)	6,805	(5)	7.1%	(6)	531.6	(11)	0.7%	(40)	898	(46)	49.4	(36)
Rhode Island	16,991	(34)	16,038.9	(3)	960	(25)	5.7%	(8)	906.2	(5)	0.2%	(50)	1,677	(26)	44.5	(39)
South Carolina	46,380	(20)	9,008.1	(18)	827	(26)	1.8%	(41)	160.6	(30)	4.1%	(4)	1,958	(17)	319.8	(3)
South Dakota	7,105	(42)	8,031.3	(20)	97	(43)	1.4%	(45)	109.6	(35)	0.8%	(36)	783	(50)	61.7	(32)
Tennessee	52,155	(17)	7,632.6	(23)	653	(29)	1.3%	(47)	95.6	(40)	2.9%	(15)	2,664	(6)	235.4	(10)
Texas	210,006	(3)	7,242.6	(27)	2,738	(14)	1.3%	(46)	94.4	(41)	3.7%	(7)	1,697	(25)	235.4	(9)
Utah	25,469	(28)	7,944.3	(21)	190	(41)	0.7%	(51)	59.3	(44)	2.3%	(19)	1,869	(19)	171.6	(13)
Vermont	1,251	(48)	2,004.8	(47)	56	(47)	4.5%	(16)	89.7	(42)	0.7%	(41)	1,227	(41)	10.8	(50)
Virginia	66,102	(15)	7,744.3	(22)	1,853	(16)	2.8%	(26)	217.1	(23)	0.9%	(35)	1,318	(37)	67.1	(27)
Washington	37,885	(23)	4,975.1	(37)	1,370	(21)	3.6%	(21)	179.9	(25)	1.8%	(26)	1,468	(33)	75.2	(25)
West Virginia	3,442	(45)	1,926.0	(48)	95	(44)	2.8%	(27)	53.2	(45)	2.9%	(12)	1,545	(30)	40.2	(43)
Wisconsin	32,061	(25)	5,506.5	(35)	796	(27)	2.5%	(28)	136.7	(33)	1.9%	(25)	1,613	(27)	94.1	(21)
Wyoming	1,675	(47)	2,894.1	(44)	20	(49)	1.2%	(49)	34.6	(48)	2.0%	(22)	857	(48)	53.6	(34)
United States	3,040,833		9,186.7		132,979		4.4%		401.7		1.8%		1,929		154.9	

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 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 82.6% of all cases worldwide.

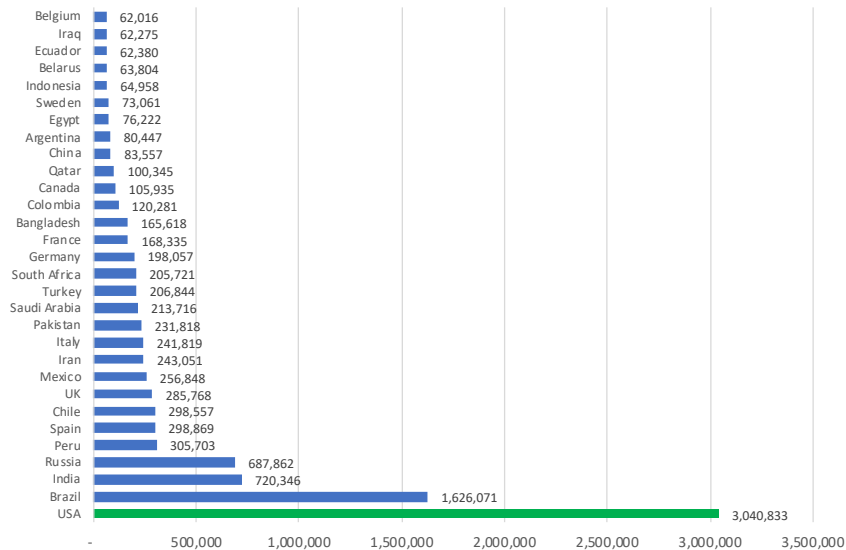
Rank		Country		Total Cases		Rank		Country		Rank		Country		27-Apr	
		6-Jul						6-May							
1	USA	3,040,833		1	USA	1,263,092		1	USA	1,010,356		1	USA	1,010,356	
2	Brazil	1,626,071		2	Spain	253,682		2	Spain	229,422		2	Spain	229,422	
3	India	720,346		3	Italy	214,457		3	Italy	199,414		3	Italy	199,414	
4	Russia	687,862		4	UK	201,101		4	France	128,339		4	France	128,339	
5	Peru	305,703		5	France	174,191		5	Germany	158,758		5	Germany	158,758	
6	Spain	298,869		6	Germany	168,162		6	UK	157,149		6	UK	157,149	
7	Chile	298,557		7	Russia	165,929		7	Turkey	112,261		7	Turkey	112,261	
8	UK	285,768		8	Turkey	131,744		8	Iran	91,472		8	Iran	91,472	
9	Mexico	256,848		9	Brazil	126,611		9	Russia	87,147		9	Russia	87,147	
11	Italy	241,819		10	Iran	101,650		10	China	82,830		10	China	82,830	
10	Iran	243,051		11	China	82,883		11	Brazil	66,501		11	Brazil	66,501	
12	Pakistan	231,818		12	Canada	63,496		12	Canada	48,500		12	Canada	48,500	
13	Saudi Arabia	213,716		13	Peru	54,817		13	Belgium	46,687		13	Belgium	46,687	
14	Turkey	206,844		14	India	52,987		14	Netherlands	38,245		14	Netherlands	38,245	
16	Germany	198,057		15	Belgium	50,781		15	India	29,451		15	India	29,451	
17	France	168,335		16	Netherlands	41,319		16	Switzerland	29,164		16	Switzerland	29,164	
20	Canada	105,935		17	Saudi Arabia	31,938		17	Peru	28,669		17	Peru	28,669	
22	China	83,557		18	Switzerland	30,060		18	Portugal	24,070		18	Portugal	24,070	
25	Sweden	73,061		19	Ecuador	29,420		19	Ecuador	23,240		19	Ecuador	23,240	
28	Ecuador	62,380		20	Portugal	26,182		20	Ireland	19,648		20	Ireland	19,648	
30	Belgium	62,016		21	Mexico	26,025		21	Sweden	18,926		21	Sweden	18,926	
32	Netherlands	50,657		22	Sweden	23,918		22	Saudi Arabia	18,811		22	Saudi Arabia	18,811	
38	Singapore	44,983		23	Pakistan	23,214		23	Israel	15,555		23	Israel	15,555	
39	Portugal	44,129		24	Chile	23,048		24	Austria	15,274		24	Austria	15,274	
45	Switzerland	32,315		25	Ireland	22,248		25	Mexico	14,677		25	Mexico	14,677	
46	Israel	30,749		26	Singapore	20,198		26	Singapore	14,423		26	Singapore	14,423	
51	Ireland	25,531		29	Israel	16,310		27	Pakistan	13,915		27	Pakistan	13,915	
56	Japan	19,775		31	Austria	15,684		28	Chile	13,813		28	Chile	13,813	
57	Austria	18,365		32	Japan	15,253		29	Japan	13,614		29	Japan	13,614	
63	S. Korea	13,137		38	S. Korea	10,806		35	South Korea	10,738		35	South Korea	10,738	
Others		2,041,909		Others		356,176		Others		301,446		Others		301,446	
World		11,732,996		World		3,817,382		World		3,062,515		World		3,062,515	

Country-by-Country Cases & Cases Per Capita

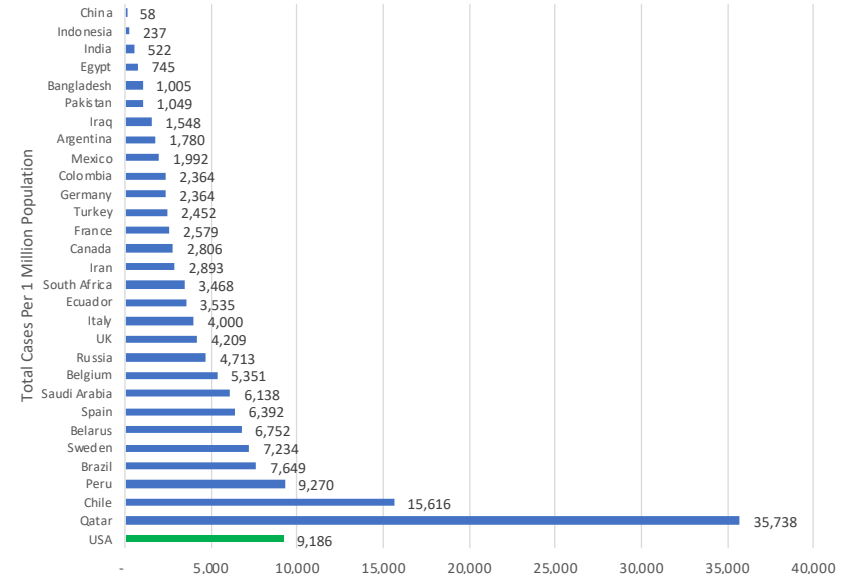
"Strategic Guidance in an Era of Unprecedented Change"

Countries Ranked 1-30 In Total Cases

Total Cases By Country
July 6

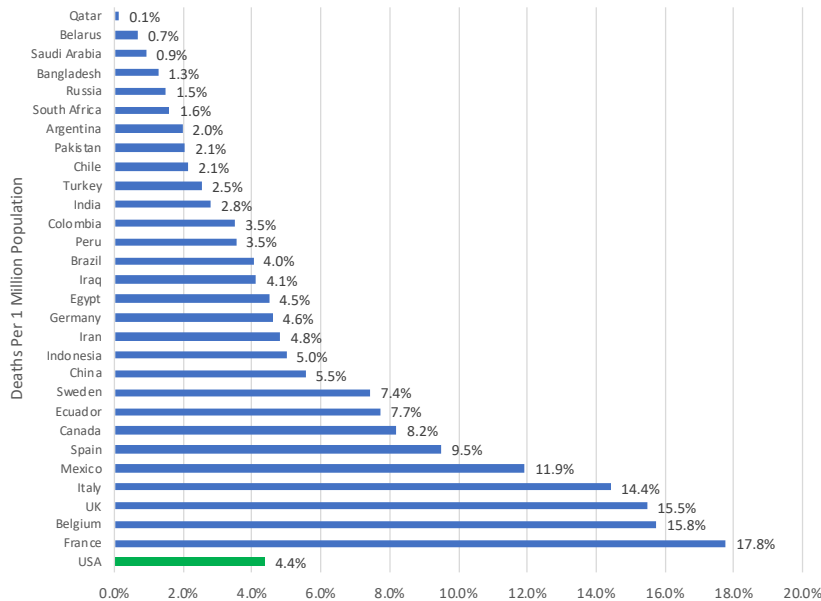


Cases Per Capita By Country
July 6

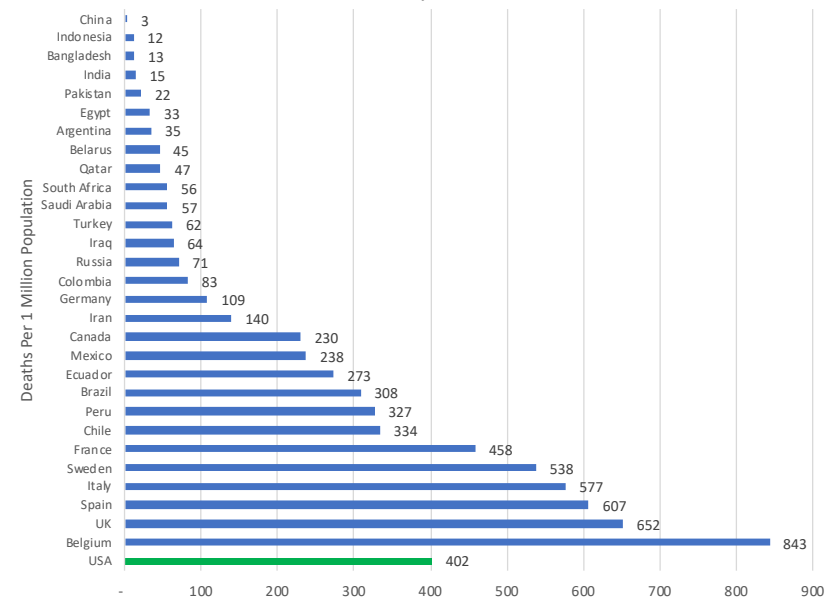


Countries Ranked 1-30 In Total Cases

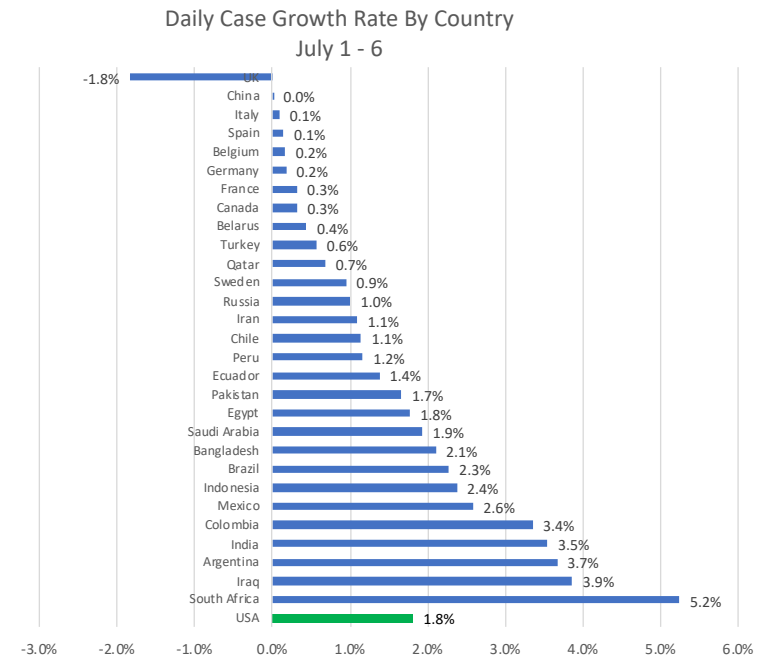
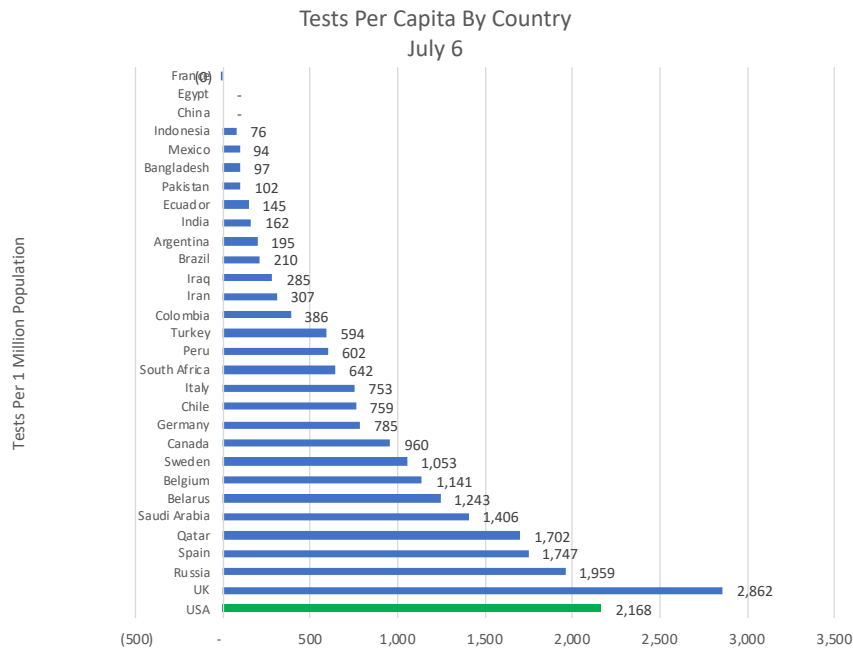
Death Rate By Country
July 6



Deaths Per Capita By Country
July 6



Countries Ranked 1-30 In Total Cases

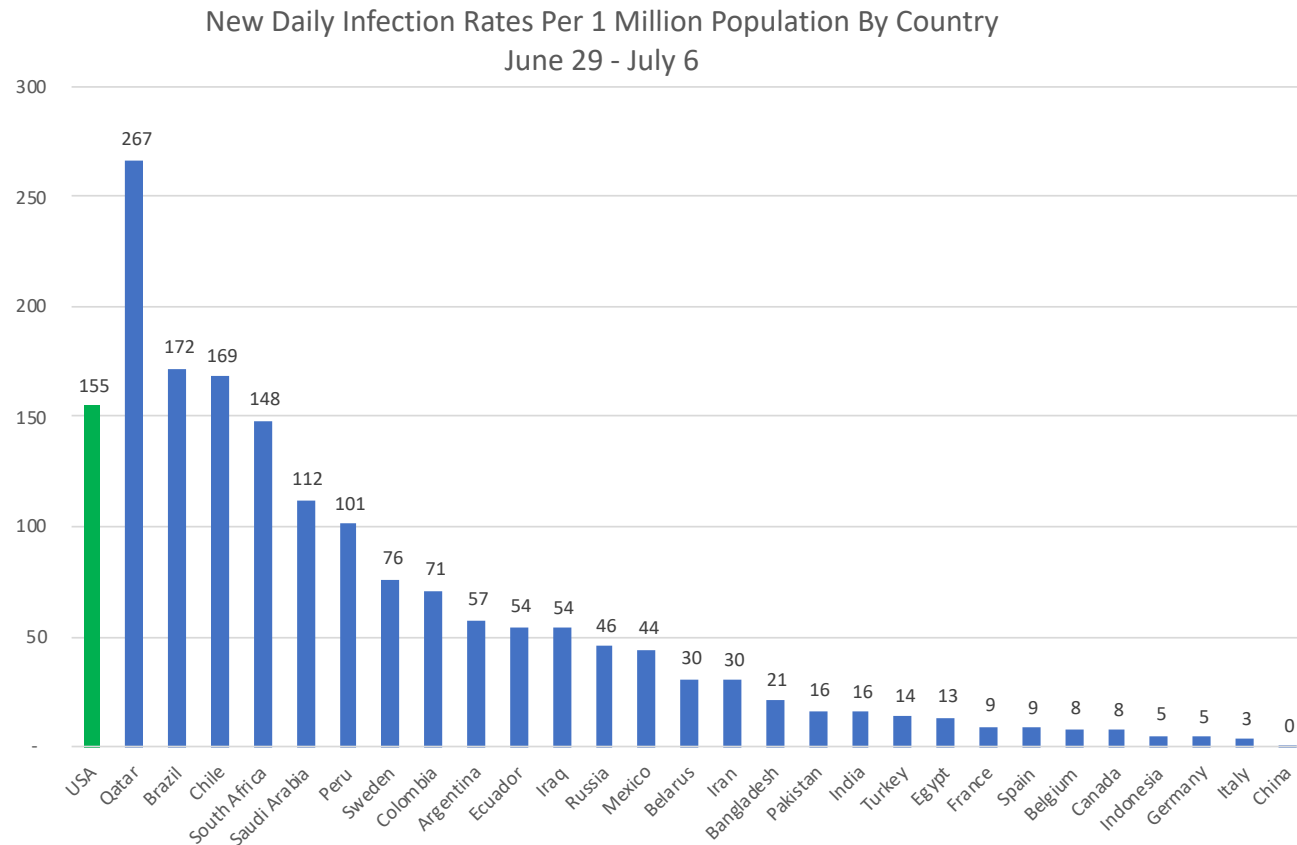


Daily Tests Per Capita For Past Week

Daily Case Growth – 5-Day Moving Average

Country-by-Country New Daily Infection Rates

"Strategic Guidance in an Era of Unprecedented Change"



Country-by-Country Comparative Statistics

"Strategic Guidance in an Era of Unprecedented Change"

Top 30 Countries By Total Cases
As of July 6

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	3,040,833	(1)	9,186	(4)	132,979	(1)	4.4%	(15)	401.7	(7)	1.8%	(11)	2,168	(2)	154.9	(4)
Brazil	1,626,071	(2)	7,649	(5)	65,556	(2)	4.0%	(17)	308.4	(10)	2.3%	(8)	210	(20)	171.8	(2)
India	720,346	(3)	522	(28)	20,174	(8)	2.8%	(20)	14.6	(27)	3.5%	(4)	162	(22)	15.8	(19)
Russia	687,862	(4)	4,713	(11)	10,296	(11)	1.5%	(26)	70.6	(17)	1.0%	(18)	1,959	(3)	45.7	(13)
Peru	305,703	(5)	9,270	(3)	10,772	(10)	3.5%	(18)	326.6	(9)	1.2%	(15)	602	(15)	101.1	(7)
Spain	298,869	(6)	6,392	(8)	28,388	(7)	9.5%	(6)	607.2	(3)	0.1%	(27)	1,747	(4)	8.6	(23)
Chile	298,557	(7)	15,616	(2)	6,384	(15)	2.1%	(22)	333.9	(8)	1.1%	(16)	759	(12)	168.6	(3)
UK	285,768	(8)	4,209	(12)	44,236	(3)	15.5%	(3)	651.6	(2)	-1.8%	(30)	2,862	(1)	(55.1)	(30)
Mexico	256,848	(9)	1,992	(22)	30,639	(5)	11.9%	(5)	237.6	(12)	2.6%	(6)	94	(26)	44.3	(14)
Iran	243,051	(10)	2,893	(16)	11,731	(9)	4.8%	(12)	139.6	(14)	1.1%	(17)	307	(18)	30.3	(16)
Italy	241,819	(11)	4,000	(13)	34,869	(4)	14.4%	(4)	576.7	(4)	0.1%	(28)	753	(13)	3.3	(28)
Pakistan	231,818	(12)	1,049	(25)	4,762	(19)	2.1%	(23)	21.6	(26)	1.7%	(13)	102	(24)	16.4	(18)
Saudi Arabia	213,716	(13)	6,138	(9)	1,968	(27)	0.9%	(28)	56.5	(20)	1.9%	(10)	1,406	(6)	111.9	(6)
Turkey	206,844	(14)	2,452	(19)	5,241	(17)	2.5%	(21)	62.1	(19)	0.6%	(21)	594	(16)	13.9	(20)
South Africa	205,721	(15)	3,468	(15)	3,310	(23)	1.6%	(25)	55.8	(21)	5.2%	(1)	642	(14)	148.0	(5)
Germany	198,057	(16)	2,364	(20)	9,092	(13)	4.6%	(13)	108.5	(15)	0.2%	(25)	785	(11)	4.5	(27)
France	168,335	(17)	2,579	(18)	29,920	(6)	17.8%	(1)	458.4	(6)	0.3%	(24)	0	(30)	8.9	(22)
Bangladesh	165,618	(18)	1,005	(26)	2,096	(26)	1.3%	(27)	12.7	(28)	2.1%	(9)	97	(25)	20.7	(17)
Colombia	120,281	(19)	2,364	(20)	4,210	(21)	3.5%	(19)	82.7	(16)	3.4%	(5)	386	(17)	70.8	(9)
Canada	105,935	(20)	2,806	(17)	8,693	(14)	8.2%	(7)	230.3	(13)	0.3%	(23)	960	(10)	7.6	(25)
Qatar	100,345	(21)	35,738	(1)	133	(30)	0.1%	(30)	47.4	(22)	0.7%	(20)	1,702	(5)	266.6	(1)
China	83,557	(22)	58	(30)	4,634	(20)	5.5%	(10)	3.2	(30)	0.0%	(29)	0	(28)	0.0	(29)
Argentina	80,447	(23)	1,780	(23)	1,582	(28)	2.0%	(24)	35.0	(24)	3.7%	(3)	195	(21)	57.5	(10)
Egypt	76,222	(24)	745	(27)	3,422	(22)	4.5%	(14)	33.4	(25)	1.8%	(12)	0	(28)	13.2	(21)
Sweden	73,061	(25)	7,234	(6)	5,433	(16)	7.4%	(9)	537.9	(5)	0.9%	(19)	1,053	(9)	76.3	(8)
Indonesia	64,958	(26)	237	(29)	3,241	(24)	5.0%	(11)	11.8	(29)	2.4%	(7)	76	(27)	5.2	(26)
Belarus	63,804	(27)	6,752	(7)	429	(29)	0.7%	(29)	45.4	(23)	0.4%	(22)	1,243	(7)	30.4	(15)
Ecuador	62,380	(28)	3,535	(14)	4,821	(18)	7.7%	(8)	273.2	(11)	1.4%	(14)	145	(23)	54.4	(11)
Iraq	62,275	(29)	1,548	(24)	2,567	(25)	4.1%	(16)	63.8	(18)	3.9%	(2)	285	(19)	53.7	(12)
Belgium	62,016	(30)	5,351	(10)	9,771	(12)	15.8%	(2)	843.0	(1)	0.2%	(26)	1,141	(8)	8.1	(24)

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

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