

COVID-19 Dashboard

Issue # 91
Wednesday, July 1, 2020

"Strategic Guidance in an Era of Unprecedented Change"

Measure	Desired Change	Yesterday in the U.S.
Number of Tests	Increase	>649,000 on Tuesday; average of 606,500 for past week
Test-Positivity Rate	Decline	6.8% on Tuesday; 7.0% for past week
Number of Cases	Plateau	Cases increased 439.9% week-over-week – concentrated in 7 states
Deaths % of Total Cases	Decline	4.77%
Number of Deaths / 1M Population	Plateau	393.1
Recoveries : Death	Increase	8.79

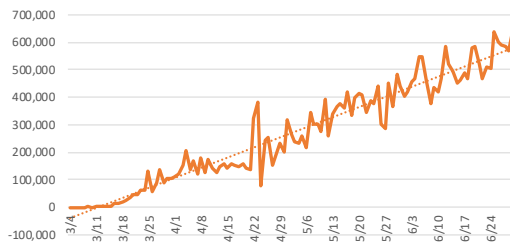
- Testing in the United States reached its highest single-day volume to-date, 649,076. Testing has averaged 606,500 for the past 7 days, a 17.4% increase from the previous 7-day period. The test-positive rate on Tuesday was 6.8%; it was 7.0% for the past 7 days and 5.8% for the previous 7-day period. The United States tested at a rate of 1,785 per million population per day; a group of Harvard scientists had set 1,540 as a minimum target
- With both the increased testing and the increasing virus spread, 46,000 new cases were reported on Tuesday. This represents the 6th consecutive day of more than 40,000 new cases; new cases are now up 39.9% on a week-over-week basis. (testing is up 17% week-over-week)
- There are several ways to assess the locus of increasing virus spread in the United States:
 - On the basis of new cases over the past 7 days, 7 states accounted for 62% of the new cases: Florida (16%), Texas (14%), California (13%), Arizona (7%), Georgia (5%), North Carolina (4%) and South Carolina (3%). No other state accounted for more than 2% of the new cases
 - On the basis of largest change in new daily infections / 1 million population (trailing 7-day moving average), Florida added 170 during the past week (going from 156 to 325), followed by Nevada (98, from 108 to 207); South Carolina (88, from 184 to 272); Alabama (81, from 122 to 202); and Mississippi (77, from 132 to 209)
- Test-positive rates are a critical measure of the virus spread: Ideally, rates should be 10% or less and declining over time
 - Ten states - five in the Southeast United States - have rates > 10% for the past 7 days: Arizona (22.9%), Florida (16.1%), Nevada (15.4%), Texas (14.6%), South Carolina (13.7%), Georgia (13.3%), Alabama (13.2%), Mississippi (12.1%), Idaho (11.4%), and Utah (10.2%)
 - Nine states showed increasing test-positive rates of more than 2 percentage points over the past week (in order of increase, highest to lowest): Nevada, Florida, Arizona, Mississippi, Texas, Idaho, Wisconsin, Georgia, Utah and Tennessee
- With the increased testing and the surge in cases, a debate has emerged as to whether the recorded infections reflect a lower severity (e.g., more asymptomatic or low-symptom cases). Two means of measuring this are the census of hospitalizations of COVID-19 patients, and the % of cases deemed serious or critical:
 - There are 41 states have consistently reported these hospitalization data prior to and throughout the recent surge. In these states, daily new cases have doubled since June 9; in these same states, hospital COVID-19 census has risen too but, only 12%
 - During this same timeframe, cases in the United States deemed serious or critical have dropped from 1.5% to 1.1%

UNITED STATES & STATE-BY-STATE INFORMATION

"Strategic Guidance in an Era of Unprecedented Change"

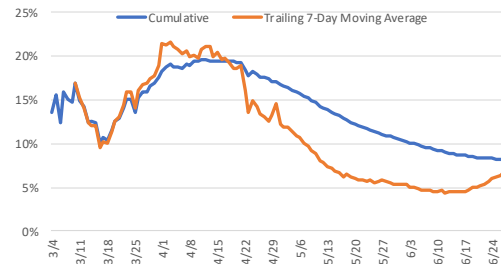
With significantly increased testing, the US is now meeting the WHO standard of <10% test-positives. This suggests that asymptomatic cases are being captured and that we have a better view of true infection rates. Further, new daily infections continue to decline; the death rate seems to have stabilized.

New Daily Tests - US



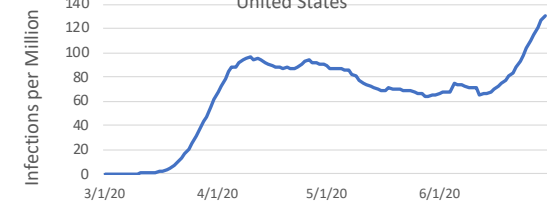
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Test-Positive Rate



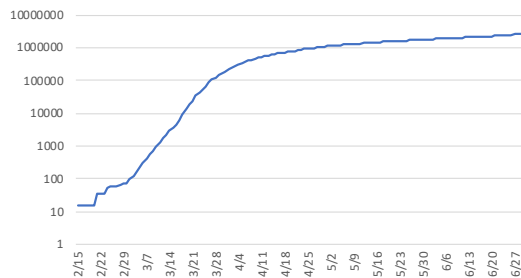
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New Daily Infections Per 1M
Trailing 7-Day Moving Average
United States



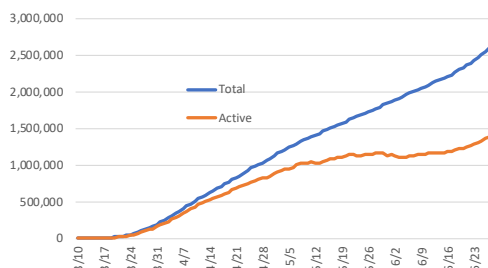
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Total Cases Log Scale - US



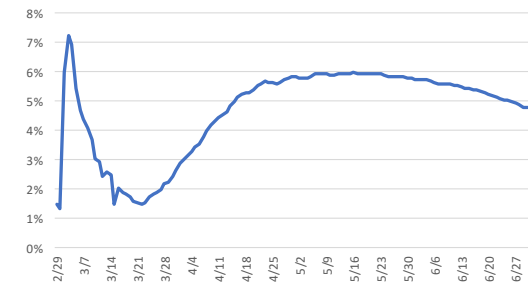
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Cases - US



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Deaths Per Case - US

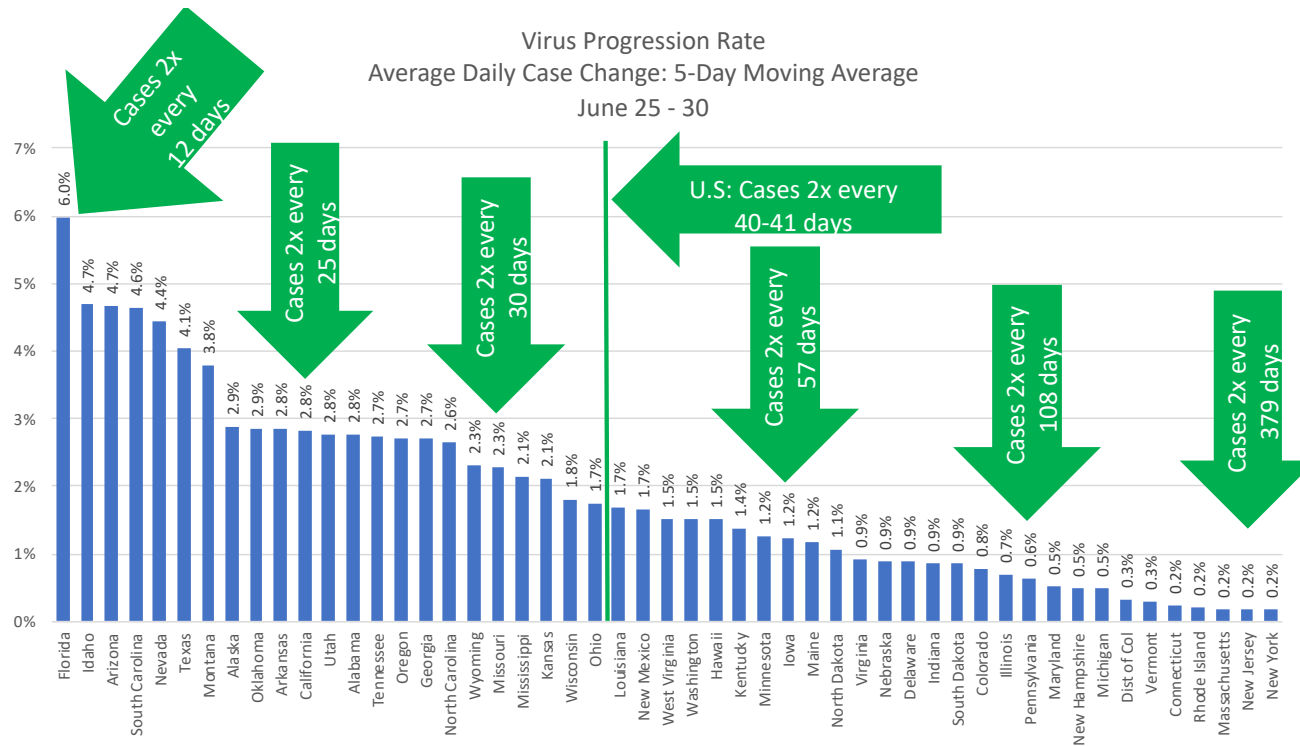


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State-by-State Average Daily Case Growth

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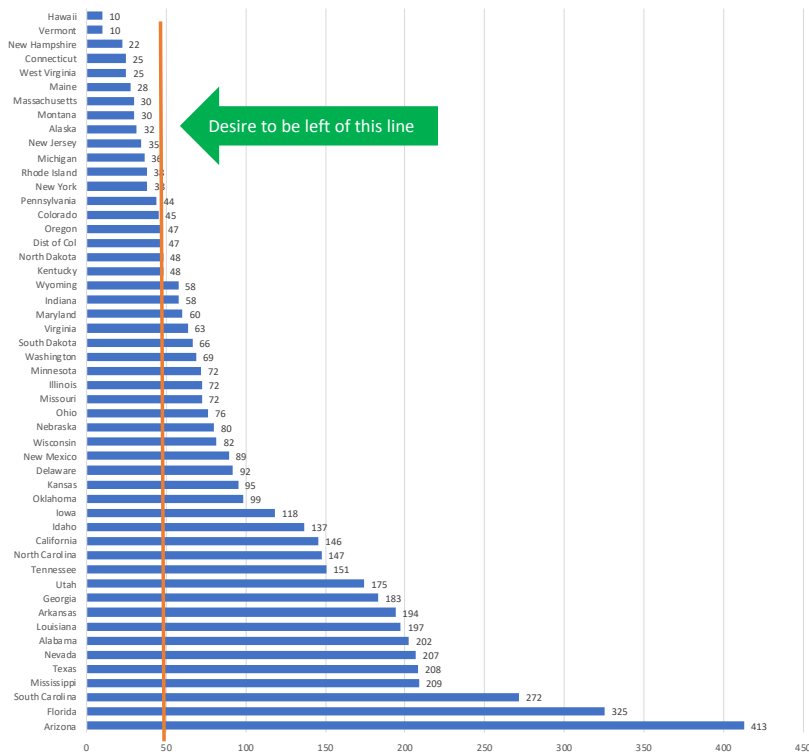
At the height of the epidemic, cases in some states were doubling every few days. Now, they would take from 12 – 406 days to double



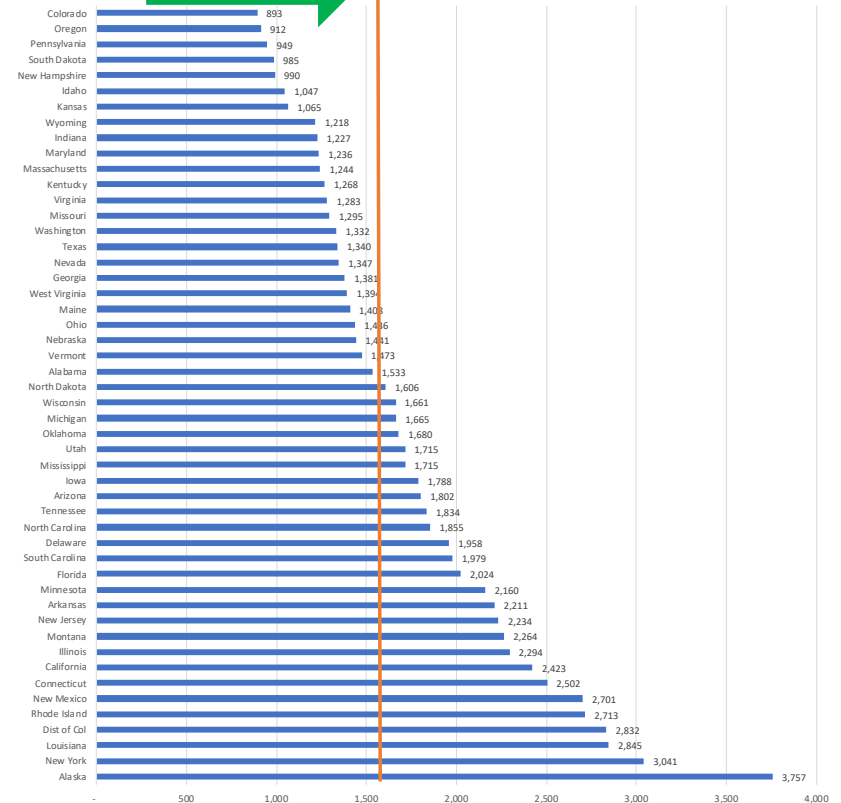
State-by-State New Daily Infections & Tests Per Capita

"Strategic Guidance in an Era of Unprecedented Change"

New Daily Infections Per 1 Million Population
By State
June 23 - 30



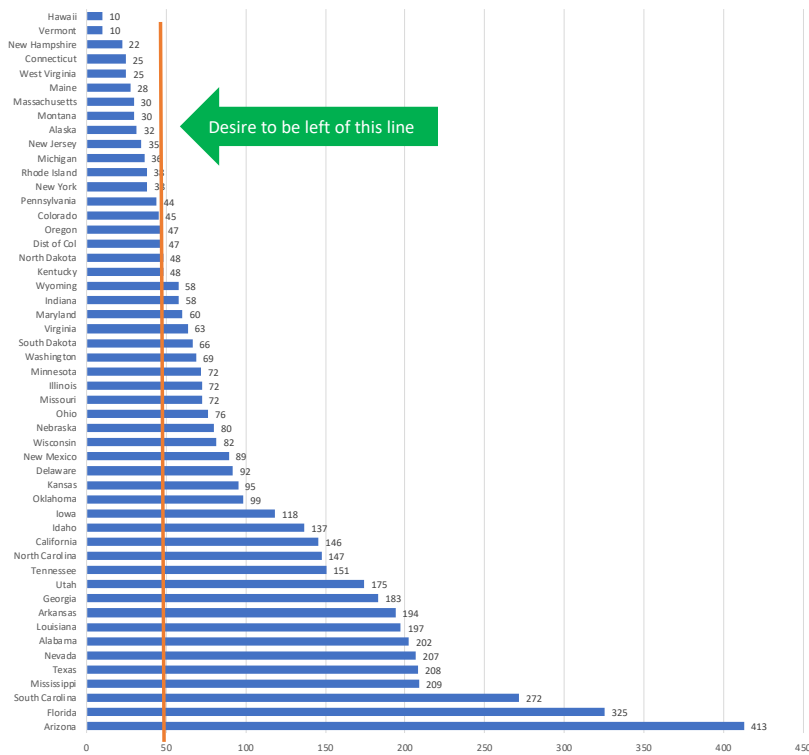
Daily Tests Per 1 Million Population
By State
June 23 - 30



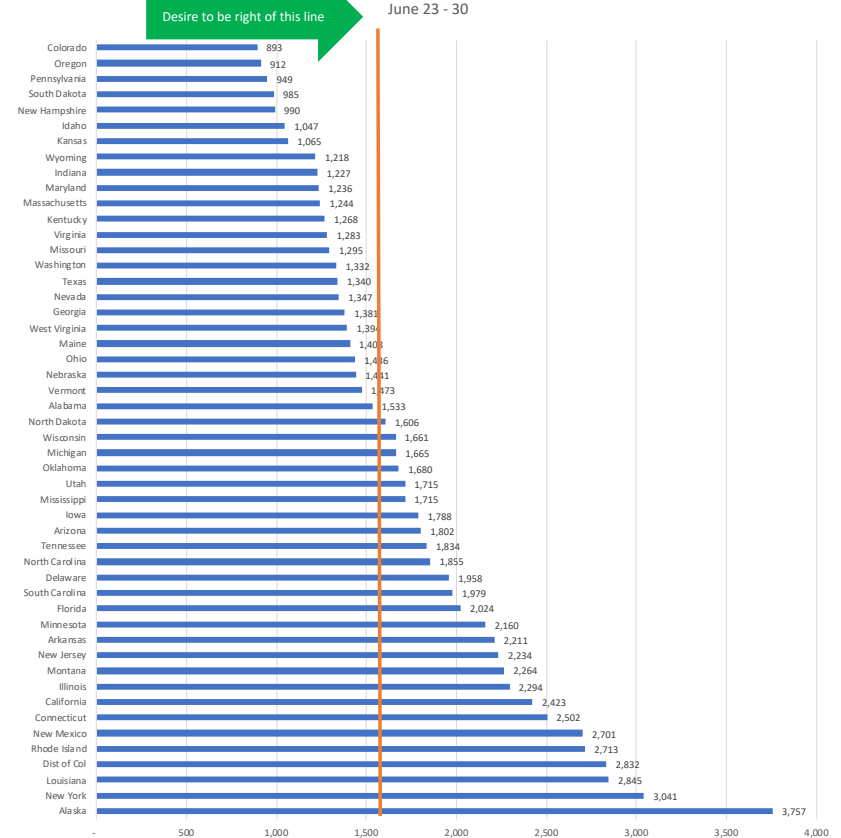
State-by-State Cases & Deaths Per Capita

"Strategic Guidance in an Era of Unprecedented Change"

New Daily Infections Per 1 Million Population
By State
June 23 - 30



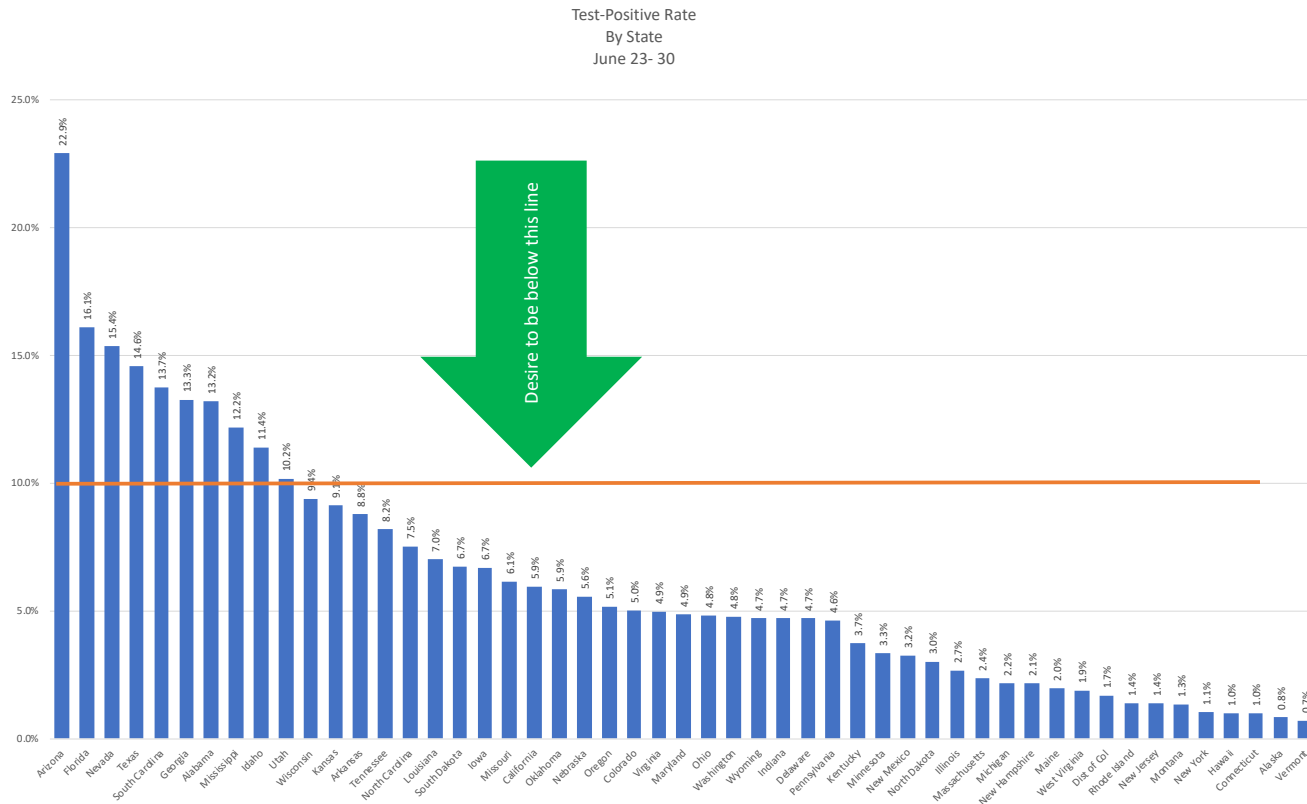
Daily Tests Per 1 Million Population
By State
June 23 - 30



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



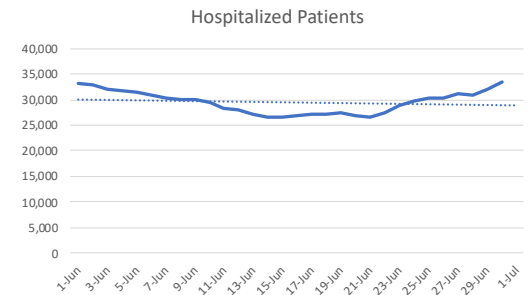
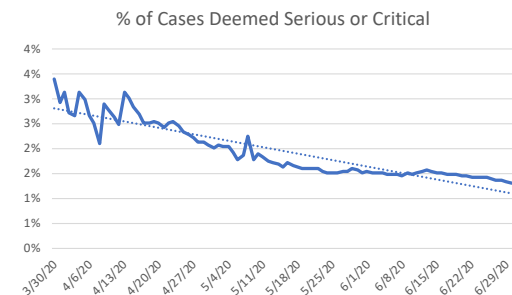
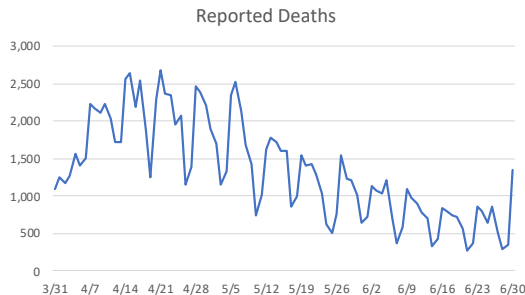
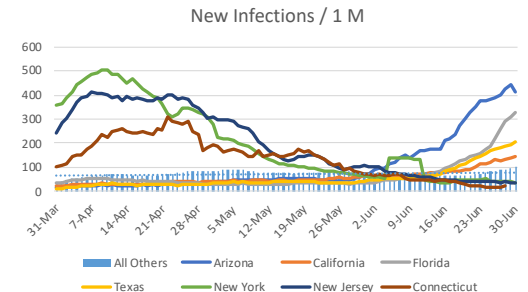
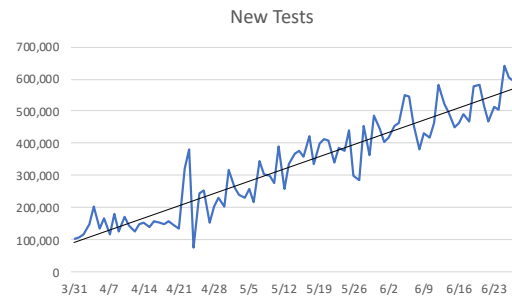
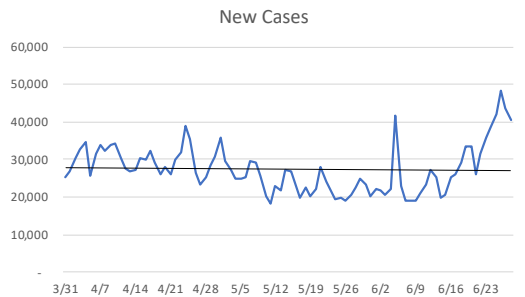
ANALYZING TRENDS IN THE CONCENTRATION & SEVERITY OF THE VIRUS

Tracking The Recent Surge In Cases

"Strategic Guidance in an Era of Unprecedented Change"

Observations:

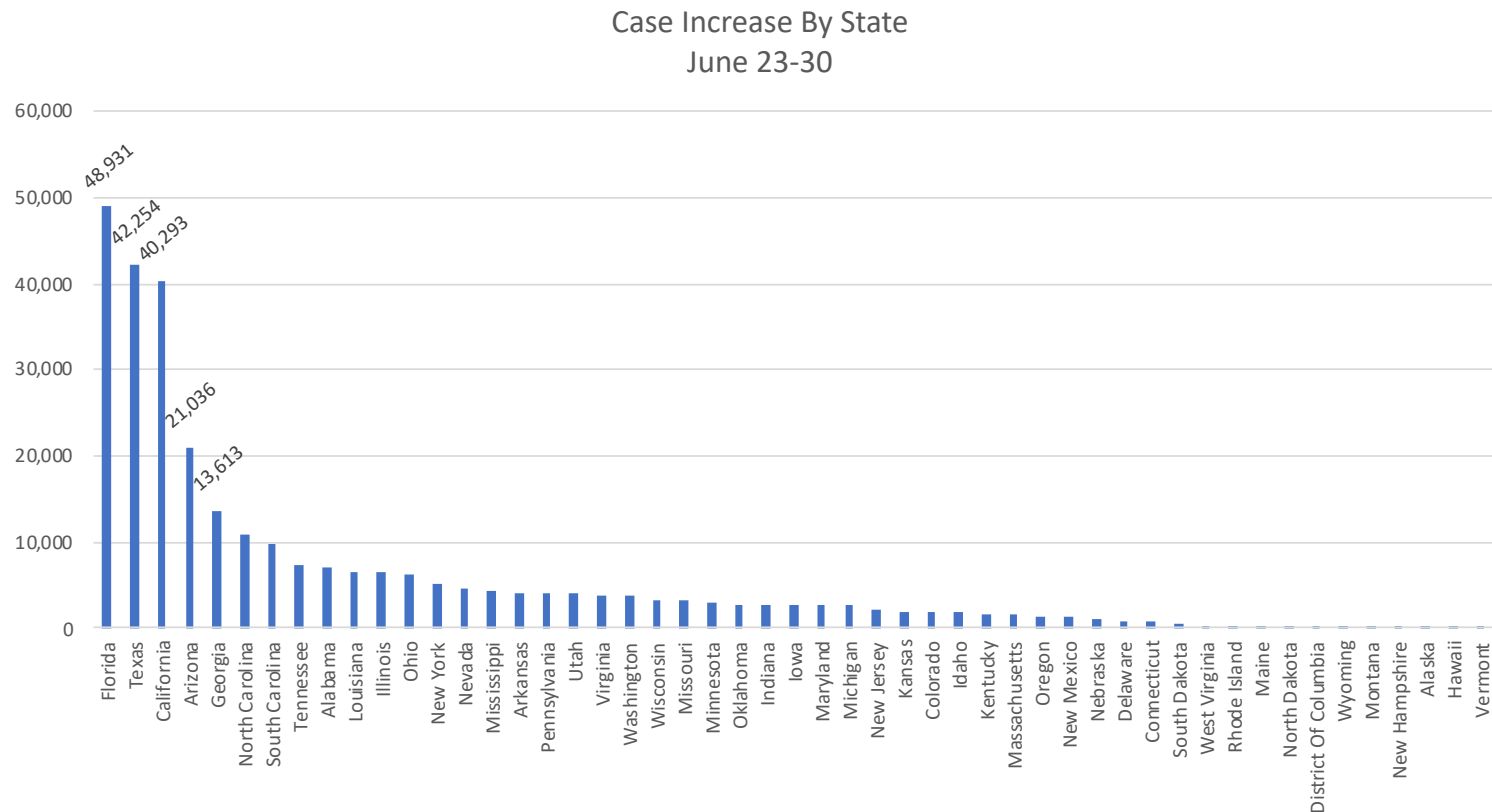
- After steadily declining during April and May, new cases clearly began to rise sharply on June 9
- Although testing has steadily increased, this cannot explain the rise in new cases
The concentrated rise in new infections per capita recently in Arizona, California, Florida and Texas mirrors the concentrated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



Case Increases By State – Past 7 Days

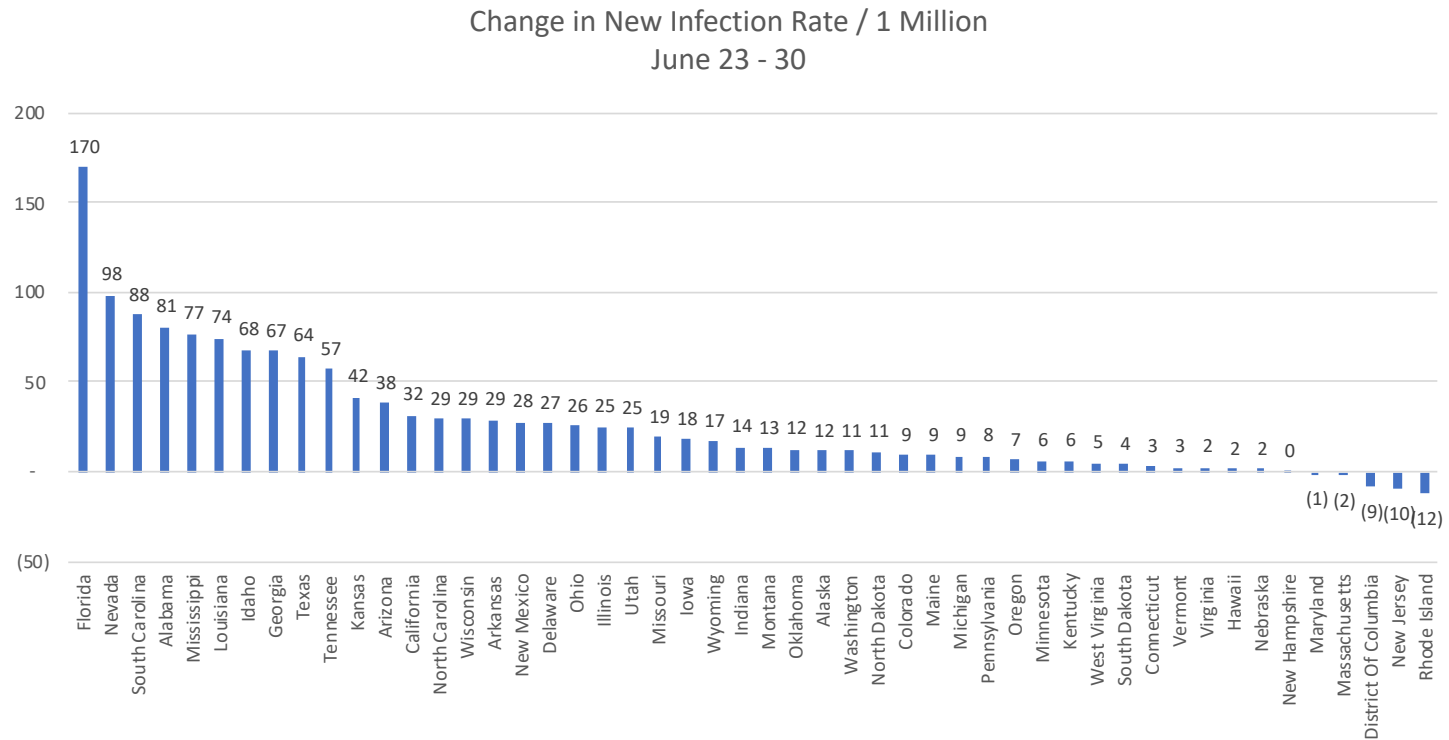
“Strategic Guidance in an Era of Unprecedented Change”

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



Change In New Infections / 1 Million

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New Infections / 1 Million

June 23 and June 30

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States Listed in Descending Order of New Infection Rate, As of June 30

New Infections / 1 Million

Trailing 7-Day Moving Average June 23 v June 30

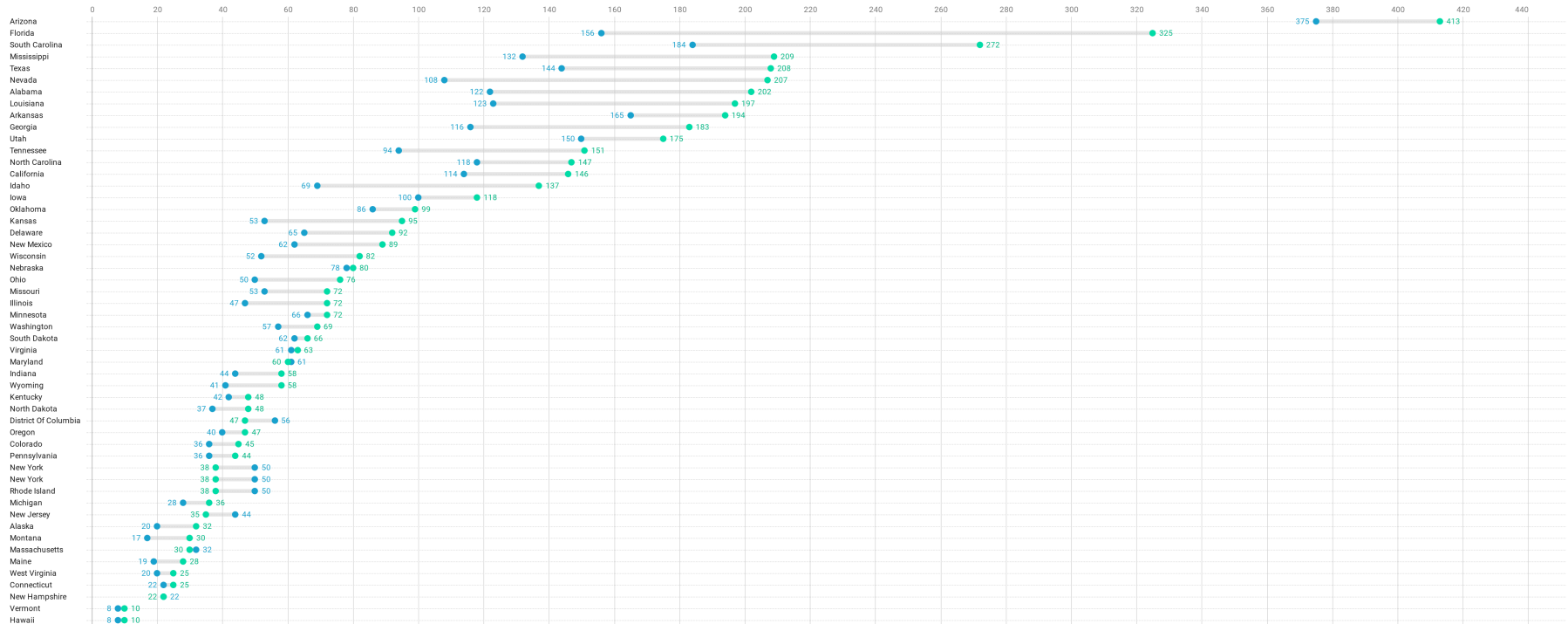


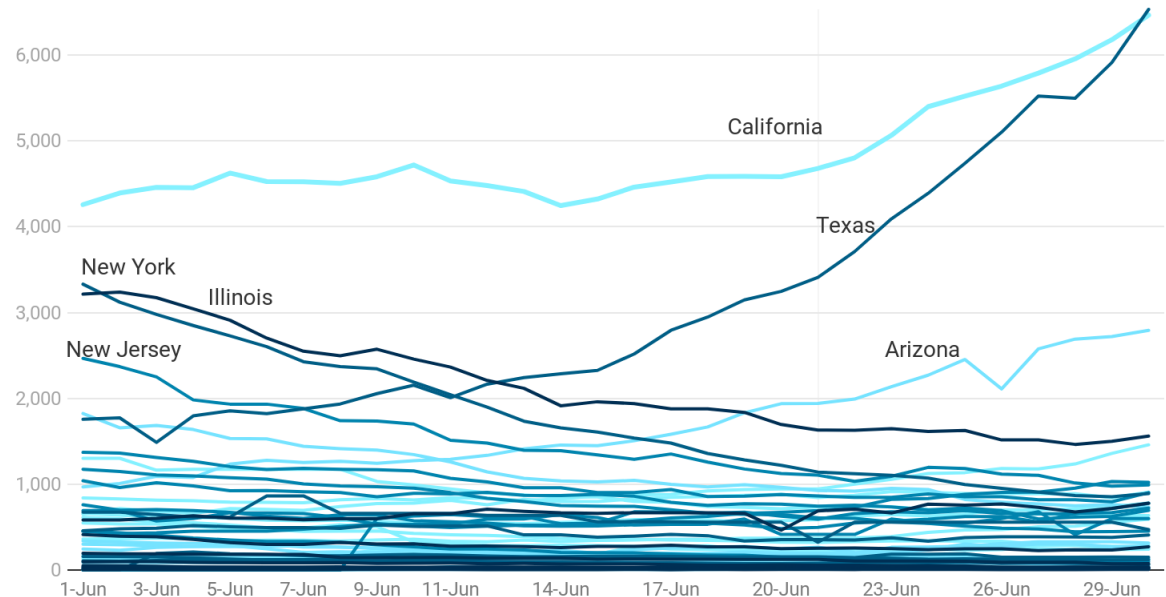
Chart: Health Industry Advisor LLC • Created with Datawrapper

Observations:

- Census is increasing in Arizona, California and Texas
- Generally, it is declining elsewhere
- (Florida does not report these data)

Hospitalized COVID-19 Patients

By State



Several states, most notably Florida, do not report these data

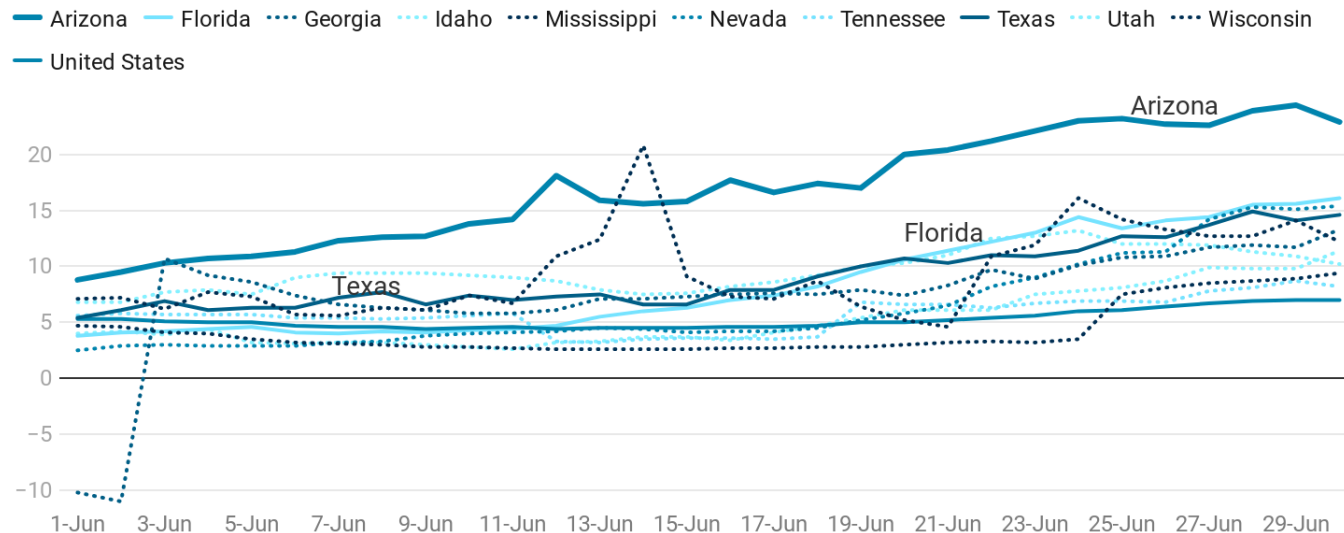
Chart: Health Industry Advisor LLC • Source: The Atlantic's COVID Tracking Project • Created with Datawrapper

States With Increasing Test-Positive Rates

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Test-Positive Rate

Trailing 7-Day Moving Average



States With Increasing Test-Positive Trend For Past 7 Days

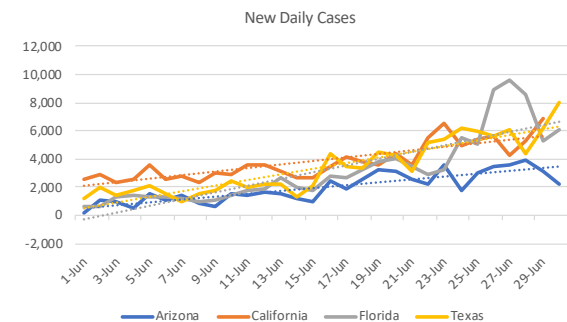
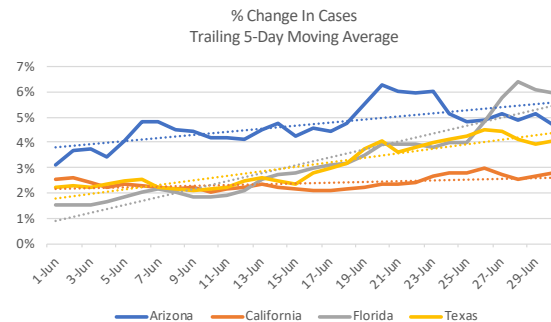
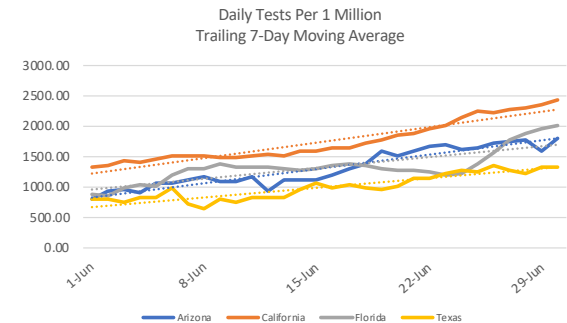
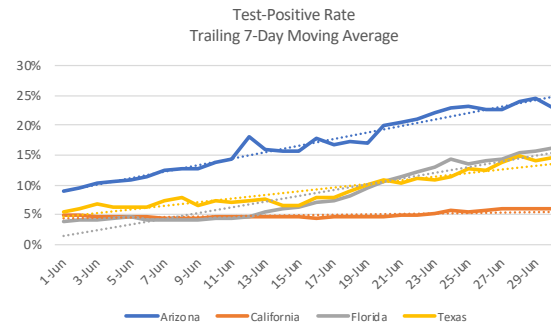
Chart: Health Industry Advisor LLC • Created with Datawrapper

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 stable
- Testing rates continue to increase in all 4 states
- Rate of change in case volumes continue to decline in Arizona; stabilizing in California and Texas. Starting to turn downward in Florida?



STATE-BY-STATE OVERALL ASSESSMENT SCORECARD

State-By-State Overall Assessment Scorecard

"Strategic Guidance in an Era of Unprecedented Change"

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

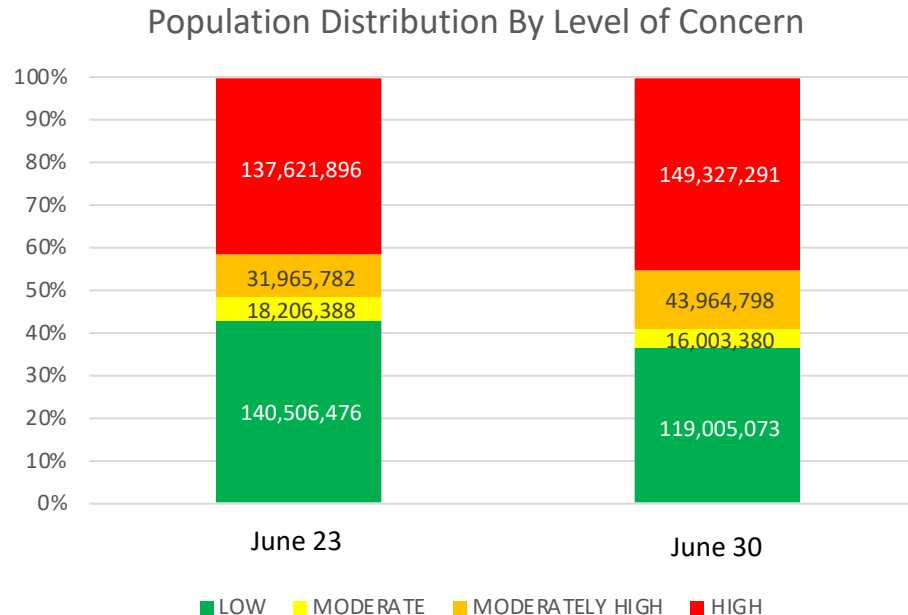
We combined these criteria into a single score, reflective of our relative degree of concern of each state's current status (High, Moderately High, Moderate, Low)



State-By-State Data

Population Distribution By Level of Concern

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As of June 30

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	38,045	(20)	7,759.2	(15)	950	(25)	2.5%	(32)	193.8	(24)	2.8%	(13)	1,533	(27)	195.8	(8)
Alaska	940	(50)	1,285.0	(49)	14	(51)	1.5%	(45)	19.1	(50)	2.9%	(8)	3,757	(1)	27.9	(44)
Arizona	79,215	(10)	10,883.1	(11)	1,632	(18)	2.1%	(39)	224.2	(22)	4.7%	(3)	1,802	(19)	439.7	(1)
Arkansas	20,777	(30)	6,884.8	(24)	270	(39)	1.3%	(50)	89.5	(40)	2.8%	(10)	2,211	(12)	197.6	(7)
California	230,891	(2)	5,843.5	(30)	6,081	(7)	2.6%	(31)	153.9	(29)	2.8%	(11)	2,423	(8)	140.6	(13)
Colorado	32,715	(24)	5,680.9	(33)	1,690	(17)	5.2%	(13)	293.5	(15)	0.8%	(39)	893	(50)	44.8	(36)
Connecticut	46,514	(17)	13,046.4	(6)	4,322	(8)	9.3%	(1)	1,212.2	(3)	0.2%	(47)	2,502	(7)	23.2	(48)
Delaware	11,474	(38)	11,783.1	(8)	509	(32)	4.4%	(18)	522.7	(12)	0.9%	(36)	1,958	(16)	81.6	(20)
District Of Columbia	10,327	(39)	14,632.7	(5)	551	(31)	5.3%	(12)	780.7	(6)	0.3%	(45)	2,832	(4)	47.4	(35)
Florida	152,434	(5)	7,097.3	(20)	3,505	(9)	2.3%	(35)	163.2	(28)	6.0%	(1)	2,024	(14)	306.8	(2)
Georgia	81,291	(9)	7,656.4	(16)	2,805	(13)	3.5%	(24)	264.2	(17)	2.7%	(16)	1,381	(33)	181.5	(10)
Hawaii	917	(51)	647.7	(51)	18	(50)	2.0%	(41)	12.7	(51)	1.5%	(28)	848	(51)	8.5	(51)
Idaho	6,117	(42)	3,413.4	(43)	92	(44)	1.5%	(43)	51.3	(46)	4.7%	(2)	1,047	(45)	119.4	(16)
Illinois	144,238	(6)	11,382.6	(9)	7,124	(4)	4.9%	(14)	562.2	(9)	0.7%	(40)	2,294	(9)	70.9	(23)
Indiana	45,594	(18)	6,772.5	(25)	2,640	(14)	5.8%	(8)	392.1	(13)	0.9%	(37)	1,227	(42)	55.1	(31)
Iowa	29,009	(25)	9,194.4	(13)	716	(28)	2.5%	(33)	226.9	(21)	1.2%	(31)	1,788	(20)	121.0	(15)
Kansas	14,559	(35)	4,997.4	(34)	275	(37)	1.9%	(42)	94.4	(38)	2.1%	(21)	1,065	(44)	97.8	(17)
Kentucky	15,642	(34)	3,501.2	(41)	565	(30)	3.6%	(23)	126.5	(34)	1.4%	(29)	1,268	(39)	48.2	(33)
Louisiana	58,137	(15)	12,505.8	(7)	3,229	(10)	5.6%	(10)	694.6	(7)	1.7%	(24)	2,845	(3)	210.7	(4)
Maine	3,253	(45)	2,420.0	(45)	105	(42)	3.2%	(25)	78.1	(43)	1.2%	(32)	1,408	(31)	26.4	(45)
Maryland	67,559	(12)	11,174.8	(10)	3,190	(11)	4.7%	(15)	527.6	(10)	0.5%	(42)	1,236	(41)	62.6	(29)
Massachusetts	108,882	(7)	15,667.6	(4)	8,054	(3)	7.4%	(5)	1,158.9	(4)	0.2%	(49)	1,244	(40)	32.0	(43)
Michigan	70,728	(11)	7,082.1	(21)	6,193	(6)	8.8%	(2)	620.1	(8)	0.5%	(44)	1,665	(24)	32.4	(42)
Minnesota	36,303	(22)	6,437.1	(26)	1,476	(19)	4.1%	(20)	261.7	(18)	1.2%	(30)	2,160	(13)	66.7	(27)
Mississippi	27,247	(27)	9,155.1	(14)	1,073	(22)	3.9%	(21)	360.5	(14)	2.1%	(20)	1,715	(21)	205.4	(5)

“Strategic Guidance in an Era of Unprecedented Change”

As of June 30

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	22,344	(28)	3,640.6	(40)	1,038	(23)	4.6%	(16)	169.1	(26)	2.3%	(19)	1,295	(37)	68.4	(26)
Montana	967	(49)	904.8	(50)	22	(48)	2.3%	(36)	20.6	(49)	3.8%	(7)	2,264	(10)	23.9	(46)
Nebraska	19,177	(31)	9,913.6	(12)	274	(38)	1.4%	(46)	141.6	(31)	0.9%	(35)	1,441	(29)	69.6	(24)
Nevada	18,456	(32)	5,991.9	(29)	507	(33)	2.7%	(29)	164.6	(27)	4.4%	(5)	1,347	(34)	202.2	(6)
New Hampshire	5,782	(43)	4,252.4	(39)	371	(36)	6.4%	(7)	272.9	(16)	0.5%	(43)	990	(46)	21.2	(49)
New Jersey	176,953	(3)	19,922.2	(2)	15,177	(2)	8.6%	(3)	1,708.7	(1)	0.2%	(50)	2,234	(11)	34.9	(41)
New Mexico	12,147	(37)	5,793.0	(31)	497	(34)	4.1%	(19)	237.0	(20)	1.7%	(25)	2,701	(6)	87.8	(19)
New York	417,836	(1)	21,478.6	(1)	32,129	(1)	7.7%	(4)	1,651.6	(2)	0.2%	(51)	3,041	(2)	39.3	(40)
North Carolina	65,397	(13)	6,235.4	(28)	1,376	(20)	2.1%	(38)	131.2	(33)	2.6%	(17)	1,855	(17)	136.2	(14)
North Dakota	3,576	(44)	4,692.5	(36)	79	(46)	2.2%	(37)	103.7	(35)	1.1%	(33)	1,606	(26)	42.4	(38)
Ohio	52,419	(16)	4,484.4	(37)	2,890	(12)	5.5%	(11)	247.2	(19)	1.7%	(23)	1,436	(30)	73.9	(21)
Oklahoma	13,757	(36)	3,476.6	(42)	387	(35)	2.8%	(27)	97.8	(37)	2.9%	(9)	1,680	(23)	88.1	(18)
Oregon	8,656	(40)	2,052.3	(46)	207	(40)	2.4%	(34)	49.1	(47)	2.7%	(15)	912	(49)	47.5	(34)
Pennsylvania	91,228	(8)	7,126.1	(19)	6,702	(5)	7.3%	(6)	523.5	(11)	0.6%	(41)	949	(48)	43.4	(37)
Rhode Island	16,813	(33)	15,870.9	(3)	950	(25)	5.7%	(9)	896.8	(5)	0.2%	(48)	2,713	(5)	41.1	(39)
South Carolina	36,399	(21)	7,069.5	(22)	739	(27)	2.0%	(40)	143.5	(30)	4.6%	(4)	1,979	(15)	248.1	(3)
South Dakota	6,764	(41)	7,645.9	(17)	91	(45)	1.3%	(48)	102.9	(36)	0.9%	(38)	985	(47)	63.0	(28)
Tennessee	43,509	(19)	6,367.3	(27)	604	(29)	1.4%	(47)	88.4	(41)	2.7%	(14)	1,834	(18)	141.0	(12)
Texas	167,269	(4)	5,768.7	(32)	2,496	(15)	1.5%	(44)	86.1	(42)	4.1%	(6)	1,340	(35)	195.4	(9)
Utah	22,217	(29)	6,929.9	(23)	172	(41)	0.8%	(51)	53.7	(44)	2.8%	(12)	1,715	(22)	167.5	(11)
Vermont	1,208	(48)	1,935.9	(47)	56	(47)	4.6%	(17)	89.7	(39)	0.3%	(46)	1,473	(28)	10.3	(50)
Virginia	62,787	(14)	7,356.0	(18)	1,763	(16)	2.8%	(28)	206.5	(23)	0.9%	(34)	1,283	(38)	62.3	(30)
Washington	33,888	(23)	4,450.2	(38)	1,332	(21)	3.9%	(22)	174.9	(25)	1.5%	(27)	1,332	(36)	68.9	(25)
West Virginia	2,905	(46)	1,625.5	(48)	93	(43)	3.2%	(26)	52.0	(45)	1.5%	(26)	1,394	(32)	23.9	(47)
Wisconsin	28,659	(26)	4,922.2	(35)	784	(26)	2.7%	(30)	134.7	(32)	1.8%	(22)	1,661	(25)	73.4	(22)
Wyoming	1,487	(47)	2,569.3	(44)	20	(49)	1.3%	(49)	34.6	(48)	2.3%	(18)	1,218	(43)	54.3	(32)
United States	2,727,853		8,241.2		130,122		4.8%		393.1		1.7%		1,785		131.1	

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COUNTRY-BY-COUNTRY INFORMATION

Countries Included

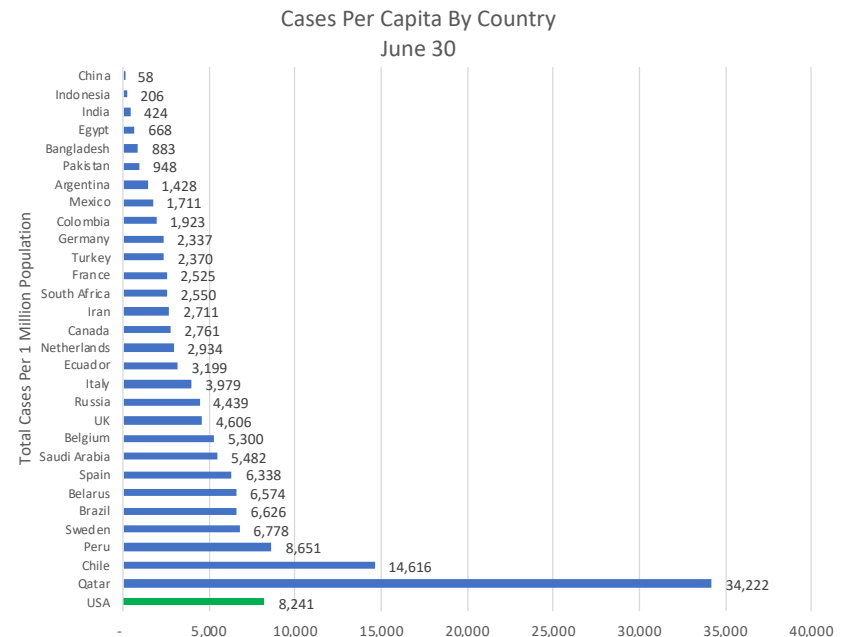
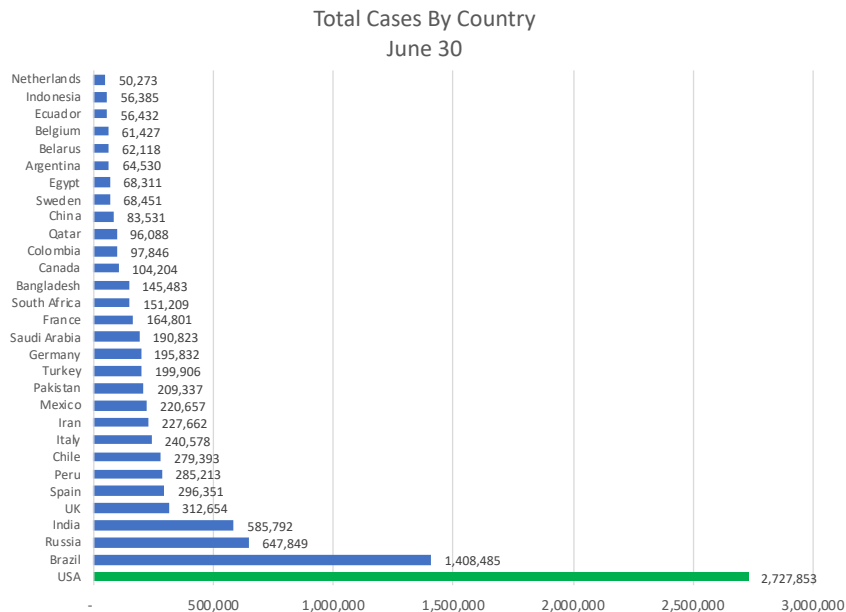
"Strategic Guidance in an Era of Unprecedented Change"

- 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

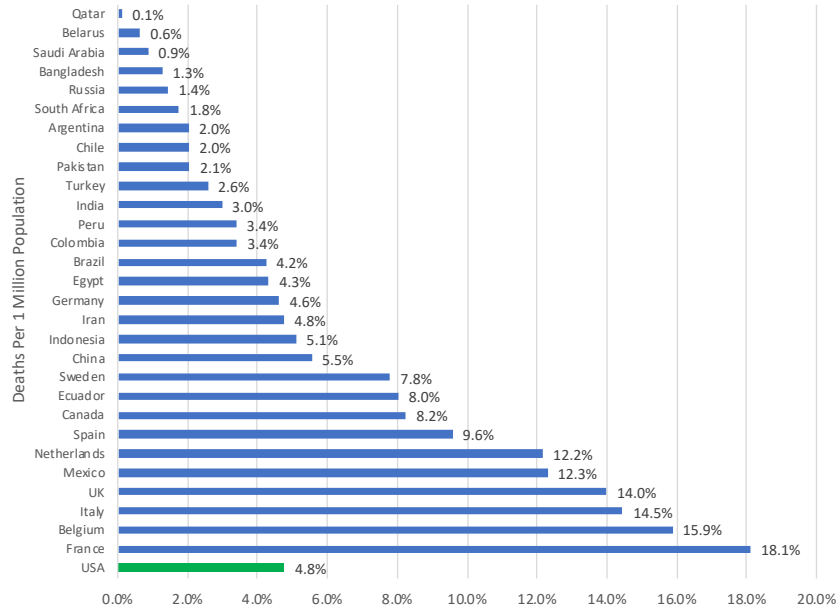
"Strategic Guidance in an Era of Unprecedented Change"

Countries Ranked 1-30 In Total Cases

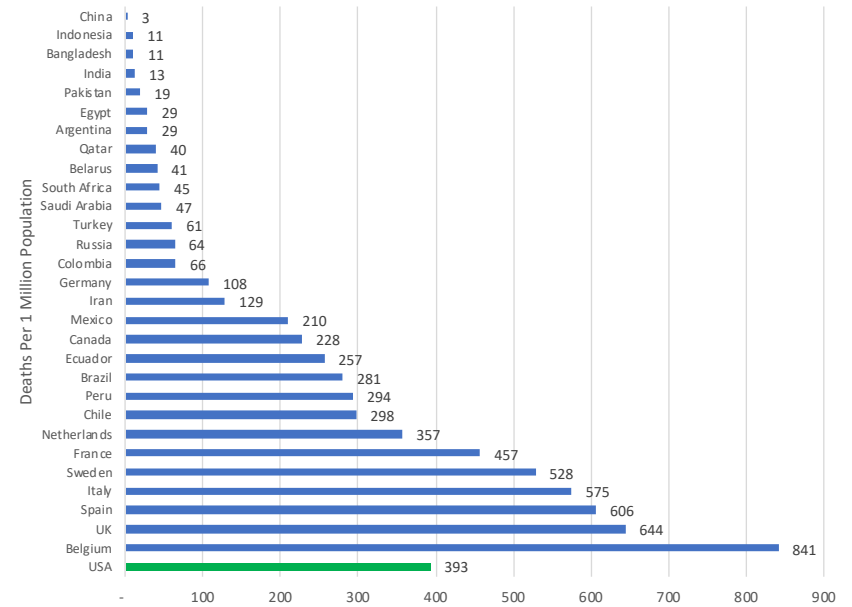


Countries Ranked 1-30 In Total Cases

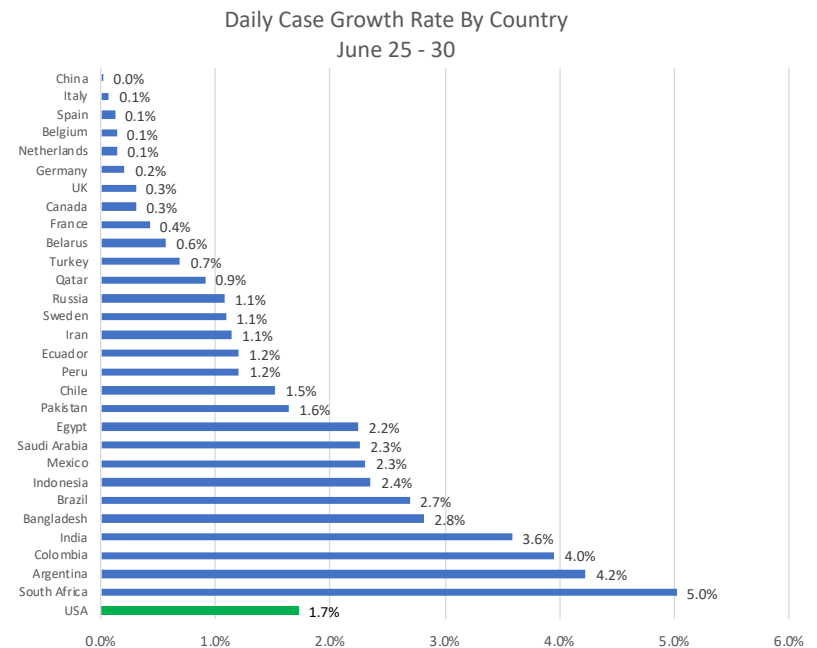
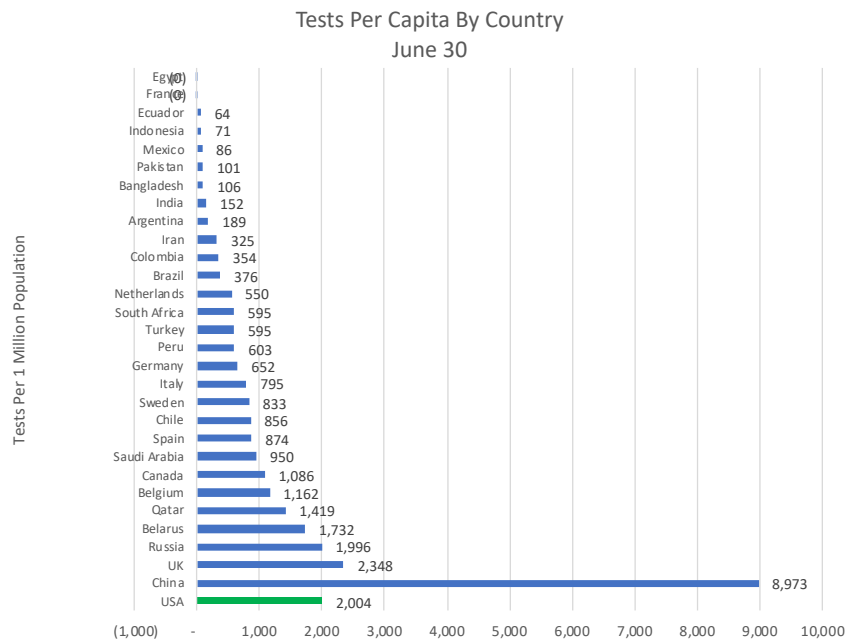
Death Rate By Country
June 30



Deaths Per Capita By Country
June 30



Countries Ranked 1-30 In Total Cases



Daily Tests Per Capita For Past Week

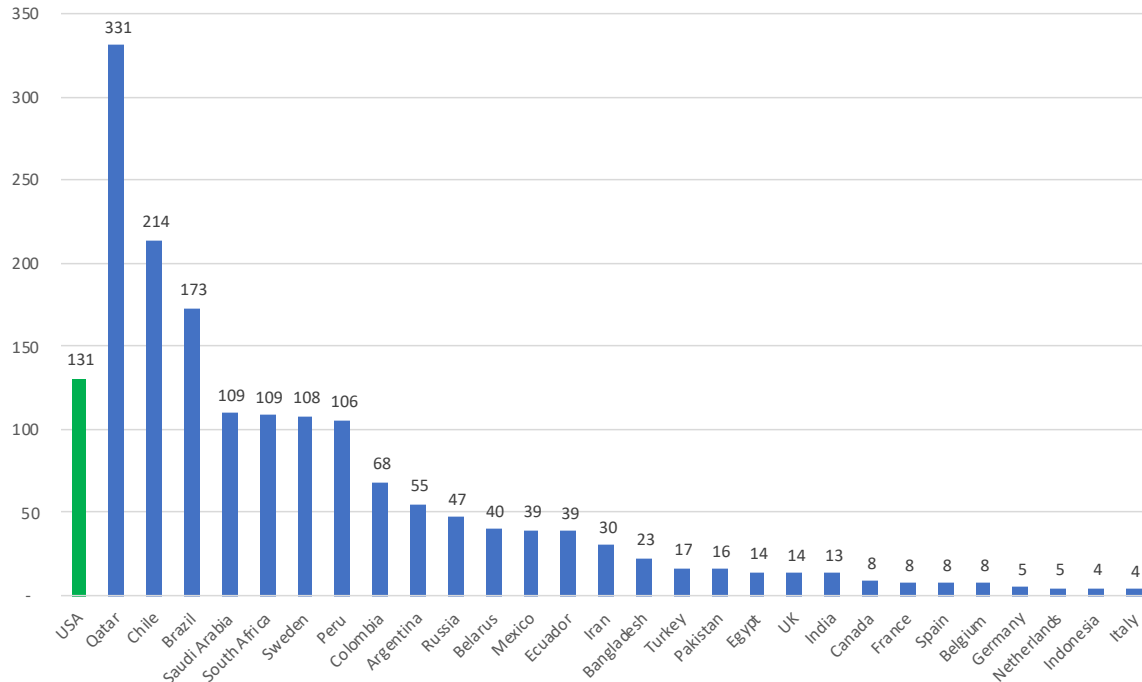
Daily Case Growth – 5-Day Moving Average

Country-by-Country New Daily Infection Rates

"Strategic Guidance in an Era of Unprecedented Change"

Countries Ranked 1-30 In Total Cases

New Daily Infection Rates Per 1 Million Population By Country
June 23 - 30



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 83.5% of all cases worldwide.

			Total Cases					
Rank	Country	30-Jun	Rank	Country	6-May	Rank	Country	27-Apr
1	USA	2,727,853	1	USA	1,263,092	1	USA	1,010,356
2	Brazil	1,408,485	2	Spain	253,682	2	Spain	229,422
3	Russia	647,849	3	Italy	214,457	3	Italy	199,414
4	India	585,792	4	UK	201,101	4	France	128,339
5	UK	312,654	5	France	174,191	5	Germany	158,758
6	Spain	296,351	6	Germany	168,162	6	UK	157,149
7	Peru	285,213	7	Russia	165,929	7	Turkey	112,261
8	Chile	279,393	8	Turkey	131,744	8	Iran	91,472
9	Italy	240,578	9	Brazil	126,611	9	Russia	87,147
10	Iran	227,662	10	Iran	101,650	10	China	82,830
11	Mexico	220,657	11	China	82,883	11	Brazil	66,501
12	Pakistan	209,337	12	Canada	63,496	12	Canada	48,500
13	Turkey	199,906	13	Peru	54,817	13	Belgium	46,687
14	Germany	195,832	14	India	52,987	14	Netherlands	38,245
15	Saudi Arabia	190,823	15	Belgium	50,781	15	India	29,451
16	France	164,801	16	Netherlands	41,319	16	Switzerland	29,164
19	Canada	104,204	17	Saudi Arabia	31,938	17	Peru	28,669
22	China	83,531	18	Switzerland	30,060	18	Portugal	24,070
23	Sweden	68,451	19	Ecuador	29,420	19	Ecuador	23,240
27	Belgium	61,427	20	Portugal	26,182	20	Ireland	19,648
28	Ecuador	56,432	21	Mexico	26,025	21	Sweden	18,926
30	Netherlands	50,273	22	Sweden	23,918	22	Saudi Arabia	18,811
35	Singapore	43,907	23	Pakistan	23,214	23	Israel	15,555
36	Portugal	42,141	24	Chile	23,048	24	Austria	15,274
43	Switzerland	31,714	25	Ireland	22,248	25	Mexico	14,677
49	Ireland	25,473	26	Singapore	20,198	26	Singapore	14,423
50	Israel	25,244	29	Israel	16,310	27	Pakistan	13,915
53	Japan	18,593	31	Austria	15,684	28	Chile	13,813
54	Austria	17,766	32	Japan	15,253	29	Japan	13,614
62	S. Korea	12,800	38	S. Korea	10,806	35	South Korea	10,738
	Others	1,742,614		Others	356,176		Others	301,446
	World	10,577,756			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 June 30

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	2,727,853	(1)	8,241	(4)	130,122	(1)	4.8%	(13)	393.1	(7)	1.7%	(11)	2,004	(3)	131.1	(4)
Brazil	1,408,485	(2)	6,626	(6)	59,656	(2)	4.2%	(17)	280.7	(11)	2.7%	(6)	376	(19)	172.7	(3)
Russia	647,849	(3)	4,439	(12)	9,320	(12)	1.4%	(26)	63.9	(18)	1.1%	(18)	1,996	(4)	47.1	(11)
India	585,792	(4)	424	(28)	17,410	(8)	3.0%	(20)	12.6	(27)	3.6%	(4)	152	(23)	13.4	(21)
UK	312,654	(5)	4,606	(11)	43,730	(3)	14.0%	(4)	644.2	(2)	0.3%	(24)	2,348	(2)	13.6	(20)
Spain	296,351	(6)	6,338	(8)	28,355	(6)	9.6%	(7)	606.5	(3)	0.1%	(28)	874	(10)	7.7	(24)
Peru	285,213	(7)	8,651	(3)	9,677	(11)	3.4%	(19)	293.5	(10)	1.2%	(14)	603	(15)	105.7	(8)
Chile	279,393	(8)	14,616	(2)	5,688	(16)	2.0%	(23)	297.6	(9)	1.5%	(13)	856	(11)	213.9	(2)
Italy	240,578	(9)	3,979	(13)	34,767	(4)	14.5%	(3)	575.0	(4)	0.1%	(29)	795	(13)	4.1	(29)
Iran	227,662	(10)	2,711	(17)	10,817	(9)	4.8%	(14)	128.8	(15)	1.1%	(16)	325	(21)	30.1	(15)
Mexico	220,657	(11)	1,711	(23)	27,121	(7)	12.3%	(5)	210.4	(14)	2.3%	(8)	86	(26)	39.4	(13)
Pakistan	209,337	(12)	948	(25)	4,304	(21)	2.1%	(22)	19.5	(26)	1.6%	(12)	101	(25)	15.7	(18)
Turkey	199,906	(13)	2,370	(20)	5,131	(18)	2.6%	(21)	60.8	(19)	0.7%	(20)	595	(16)	16.5	(17)
Germany	195,832	(14)	2,337	(21)	9,052	(13)	4.6%	(15)	108.0	(16)	0.2%	(25)	652	(14)	5.2	(26)
Saudi Arabia	190,823	(15)	5,482	(9)	1,649	(27)	0.9%	(28)	47.4	(20)	2.3%	(9)	950	(9)	109.5	(5)
France	164,801	(16)	2,525	(19)	29,843	(5)	18.1%	(1)	457.2	(6)	0.4%	(22)	0	(29)	7.7	(23)
South Africa	151,209	(17)	2,550	(18)	2,657	(25)	1.8%	(25)	44.8	(21)	5.0%	(1)	595	(17)	108.6	(6)
Bangladesh	145,483	(18)	883	(26)	1,847	(26)	1.3%	(27)	11.2	(28)	2.8%	(5)	106	(24)	22.8	(16)
Canada	104,204	(19)	2,761	(16)	8,591	(14)	8.2%	(8)	227.6	(13)	0.3%	(23)	1,086	(8)	8.5	(22)
Colombia	97,846	(20)	1,923	(22)	3,334	(22)	3.4%	(18)	65.5	(17)	4.0%	(3)	354	(20)	68.2	(9)
Qatar	96,088	(21)	34,222	(1)	113	(30)	0.1%	(30)	40.2	(23)	0.9%	(19)	1,419	(6)	331.2	(1)
China	83,531	(22)	58	(30)	4,634	(19)	5.5%	(11)	3.2	(30)	0.0%	(30)	8,973	(1)	0.0	(30)
Sweden	68,451	(23)	6,778	(5)	5,333	(17)	7.8%	(10)	528.1	(5)	1.1%	(17)	833	(12)	107.7	(7)
Egypt	68,311	(24)	668	(27)	2,953	(23)	4.3%	(16)	28.9	(25)	2.2%	(10)	0	(29)	14.2	(19)
Argentina	64,530	(25)	1,428	(24)	1,307	(28)	2.0%	(24)	28.9	(24)	4.2%	(2)	189	(22)	54.8	(10)
Belarus	62,118	(26)	6,574	(7)	392	(29)	0.6%	(29)	41.5	(22)	0.6%	(21)	1,732	(5)	39.8	(12)
Belgium	61,427	(27)	5,300	(10)	9,747	(10)	15.9%	(2)	841.0	(1)	0.1%	(27)	1,162	(7)	7.6	(25)
Ecuador	56,432	(28)	3,199	(14)	4,527	(20)	8.0%	(9)	256.6	(12)	1.2%	(15)	64	(28)	38.8	(14)
Indonesia	56,385	(29)	206	(29)	2,876	(24)	5.1%	(12)	10.5	(29)	2.4%	(7)	71	(27)	4.4	(28)
Netherlands	50,273	(30)	2,934	(15)	6,113	(15)	12.2%	(6)	356.8	(8)	0.1%	(26)	550	(18)	4.6	(27)

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

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