

COVID-19 Dashboard

Issue # 90
Tuesday, June 30, 2020

"Strategic Guidance in an Era of Unprecedented Change"

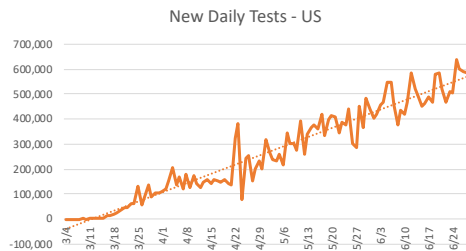
Measure	Desired Change	Yesterday in the U.S.
Number of Tests	Increase	>569,000 on Sunday; average of 582,000 for past week
Test-Positivity Rate	Decline	6.4% on Sunday; 7.0% for past week
Number of Cases	Plateau	Cases increased 43.3% week-over-week – concentrated in 6 states
Deaths % of Total Cases	Decline	4.80%
Number of Deaths / 1M Population	Plateau	389.1
Recoveries : Death	Increase	8.67

- New cases in the United States exceeded 40,000 again on Monday (44,734), marking the 4th consecutive day of new reported cases of 40,000 or more
- Arizona, California, Florida and Texas continue to drive the increased case count, as these states accounted for 50% of the new cases during the past 7 days
 - Arizona, Florida and Texas have each reported increased test-positive rates during the past seven days; each of these states have test-positive rates during the week well above the World Health Organization (WHO) guideline of 10% or less. California, however, has a stable test-positive rate during this time, and below the WHO guideline
 - Arizona, California and Texas have each seen the hospitalized patient census increase over the past week, two weeks and 4 weeks (Florida, unfortunately, does not report hospitalizations)
 - The % of patients in the ICU and on ventilators has steadily declined in Arizona; the % of patients in the ICU has similarly declined in California (ventilator data is not available for California, none of these data are available from Texas or Florida)
 - Death rates are low (<2.7%) and declining in all 4 states
- Overall, testing in the United States is reasonable: daily tests per million of 1,801 over the past week is above the 1,540 minimum suggested by a group of Harvard scientists, and exceeds that of most countries worldwide. The test-positive rate of 6.4% on Monday and 7.0% for the past week is below the WHO guideline of 10% or less. Still, a number of states were above this rate the past week: Alabama, Arizona, Florida, Georgia, Mississippi, Nevada, South Carolina, Texas and Utah
- Data from the Centers for Disease Control's COVID-NET site, in conjunction with state-by-state data of new cases, suggests that the rate of hospital admissions from COVID may be declining: The CDC tracks hospital admissions from 14 states, which account for 33% of all current new cases in the United States. New weekly cases, which peaked in these states the week ending April 11, have since declined by 2x. Hospital admissions in these states peaked a week later, and have since dropped by 4x. (Note: the CDC dataset includes California, Georgia, Michigan, New York and Ohio; it does not include Arizona, Florida or Texas)
- 346 deaths were recorded in the United States on Monday, lowering the cumulative death rate to 4.8%. Notably, data from the CDC suggests about a typical 21-day lag between virus identification and death being recorded. This suggests that any impact of the recent case resurgence, which began on June 9, would not yet be observed. The next several weeks will be a telling indication of where the death rate is headed

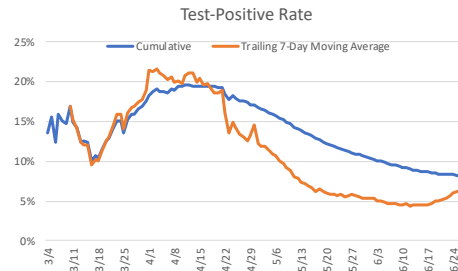
UNITED STATES & STATE-BY-STATE INFORMATION

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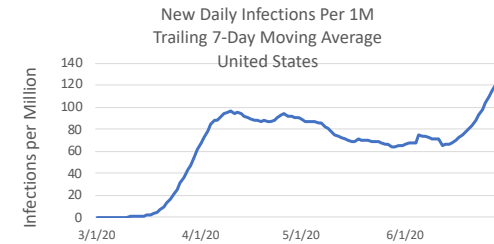
With significantly increased testing, the US is now meeting the WHO standard of <10% test-positives. This suggests that asymptomatic cases are being captured and that we have a better view of true infection rates. Further, new daily infections continue to decline; the death rate seems to have stabilized.



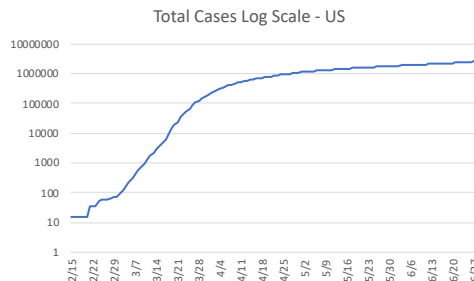
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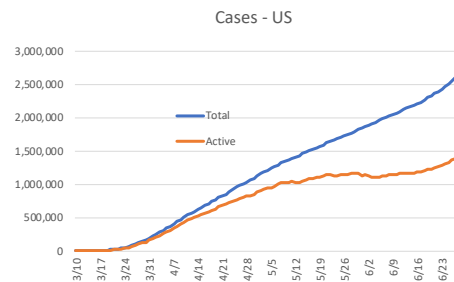
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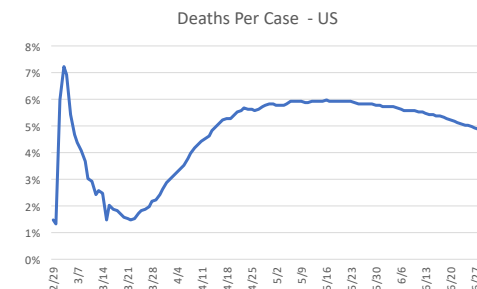
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Hospitalized Patients By Underlying Health Condition

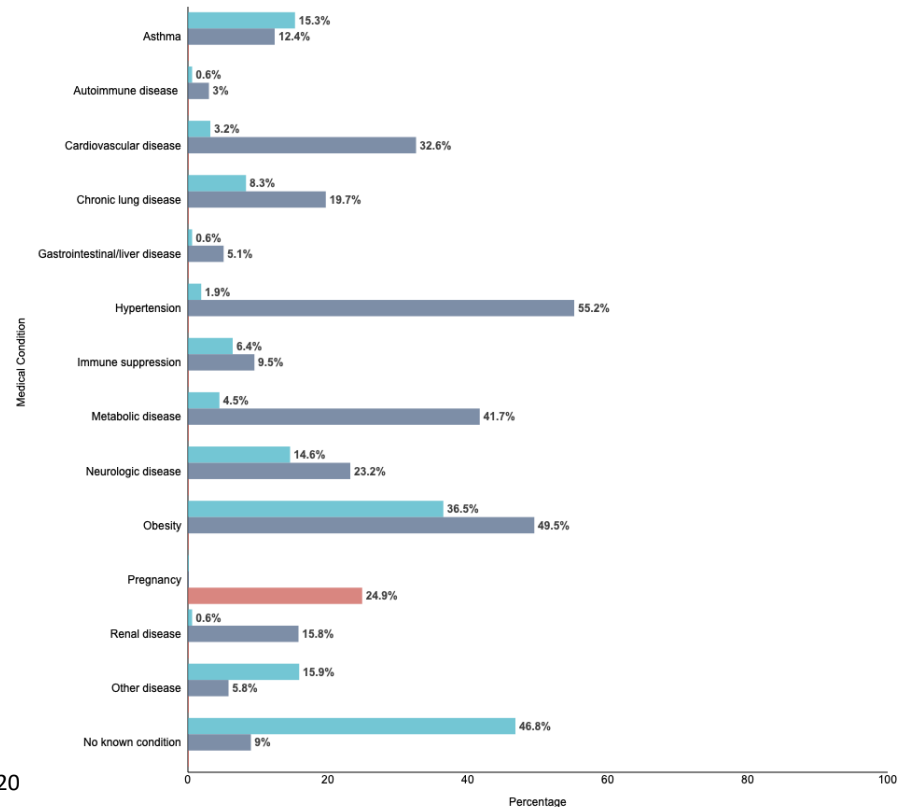
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COVID-NET | A Weekly Summary of U.S. COVID-19 Hospitalization Data

COVID-19 Laboratory-Confirmed Hospitalizations
Preliminary data as of Jun 20, 2020

Selected Underlying Medical Conditions

Pediatric Adult Pregnant



Observations:

- Among adults:
 - the majority of hospitalized patients had hypertension
 - Nearly 1/2 were obese
 - Metabolic and cardiovascular disease were also prevalent
- Among pediatric patients:
 - nearly 1/2 had no known underlying condition
 - More than 1/3 were obese

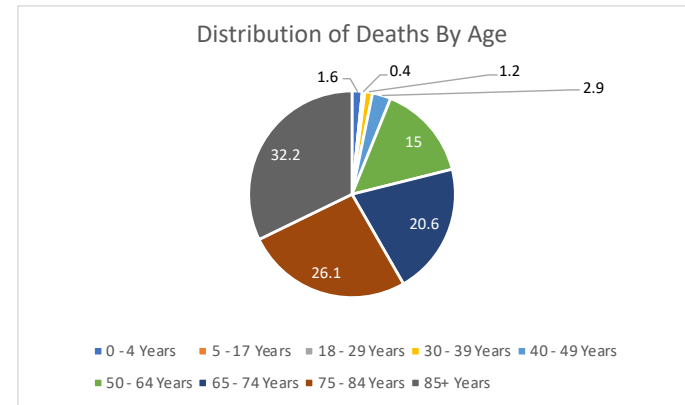
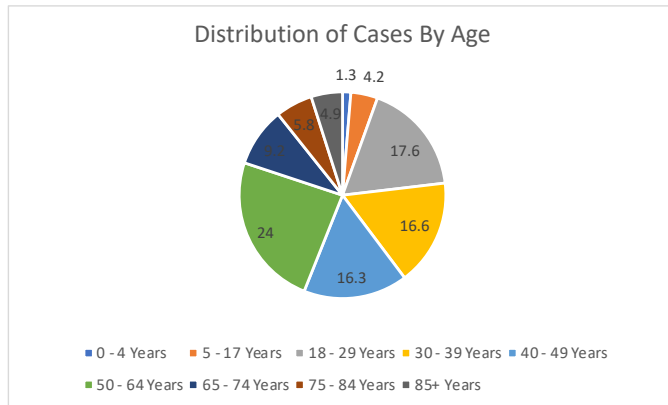
Source: Centers for Disease Control, COVID-NET, accessed June 30, 2020

Distribution of Cases and Deaths By Age

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Observations:

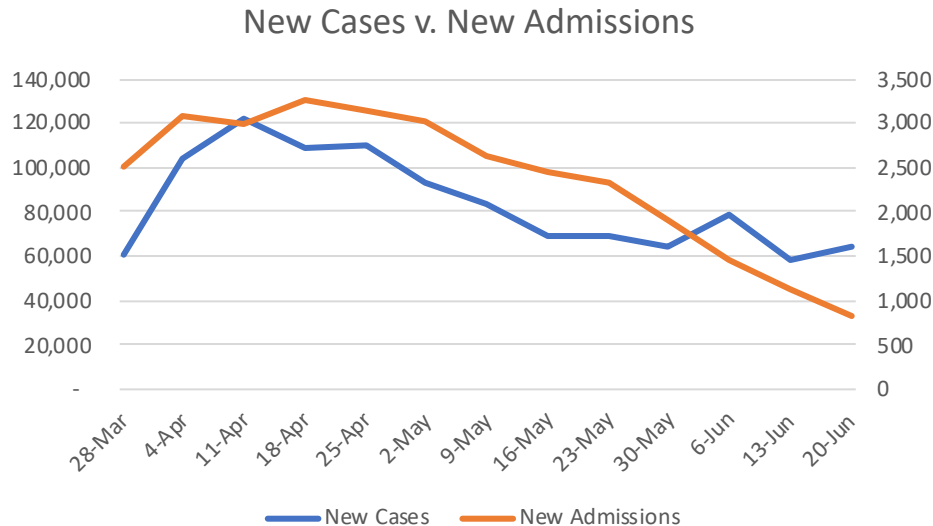
- Persons under 17 years old represent a small percentage of cases (5.5%) and an even smaller percentage of deaths (1.6%)
- Conversely, persons 65 years & older represent 19.9% of all cases and 78.9% of all deaths



Source: Centers for Disease Control, COVID-NET, accessed June 30, 2020

Trends In New Cases and Hospital Admissions

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Observations:

- New admissions appear to be declining more rapidly than new cases
- Suggests that case severity is declining over time
- The decline in new cases also suggests that the sample may not be overly-influenced by a shift toward asymptomatic cases – as it would if dataset included states with spiking case volumes

Sources: Admission data from Centers for Disease Control's COVID-NET site, accessed June 30, 2020; cases data from Worldometer.info, accessed daily from mid-March – June 30

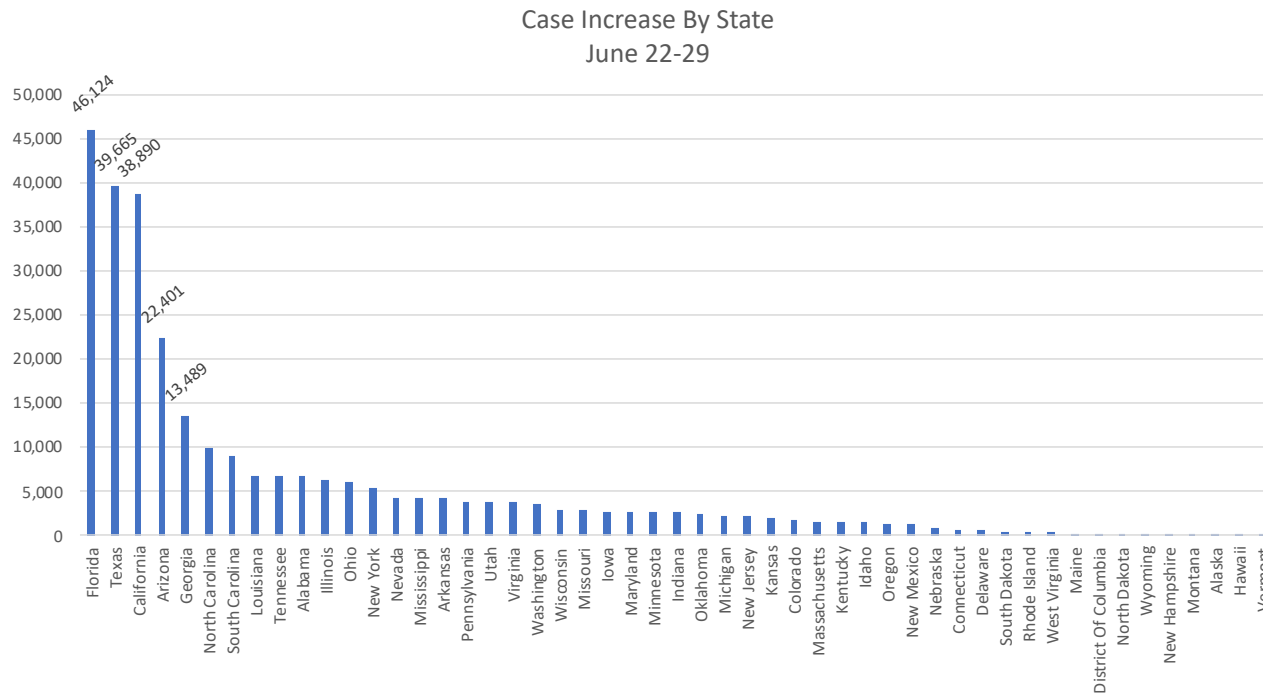
States represented: California, Colorado, Connecticut, Iowa, Georgia, Maryland, Michigan, Minnesota, New Mexico, New York, Ohio, Oregon, Tennessee and Utah

ANALYZING TRENDS IN THE CONCENTRATION & SEVERITY OF THE VIRUS

Case Increases By State – Past 7 Days

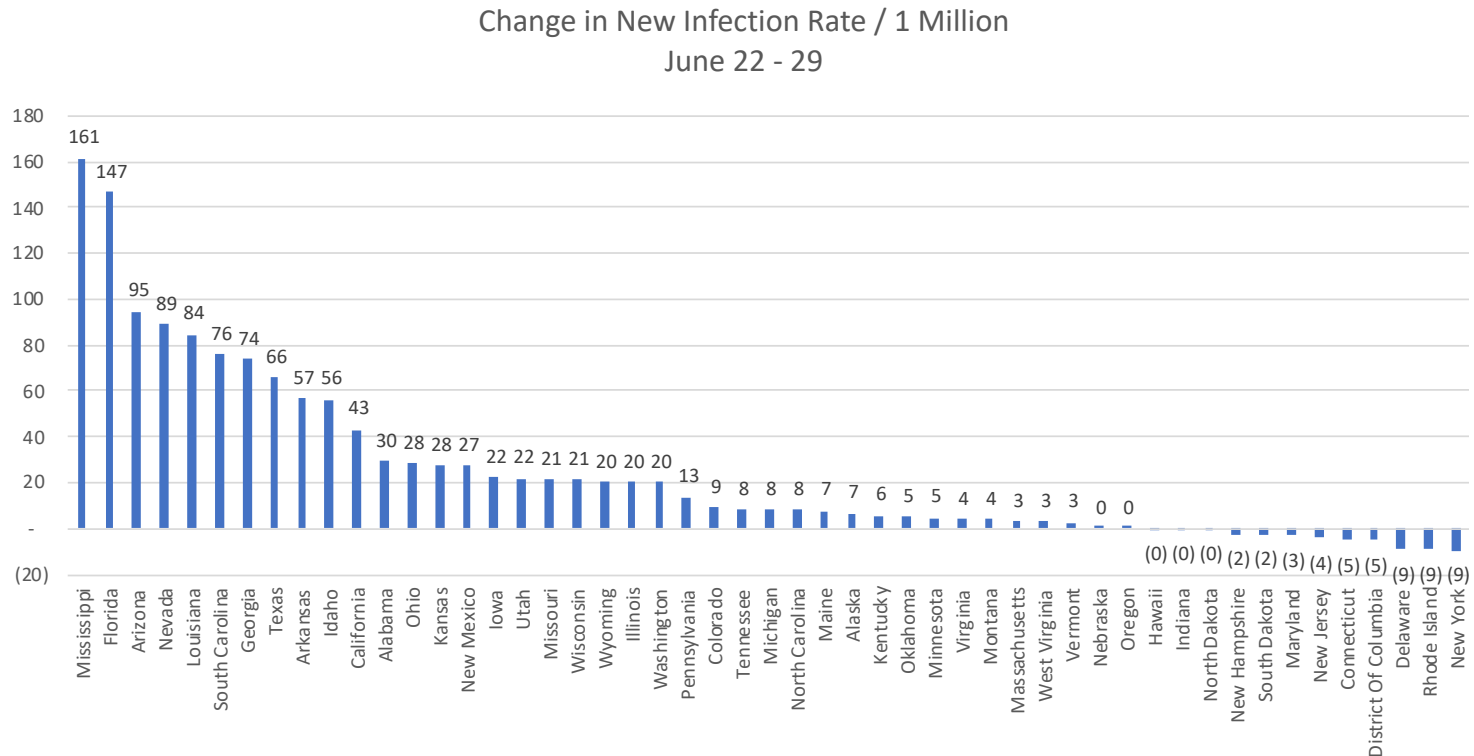
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Case Growth in the U.S. Has Been Concentrated in A Few States



Change In New Infections / 1 Million

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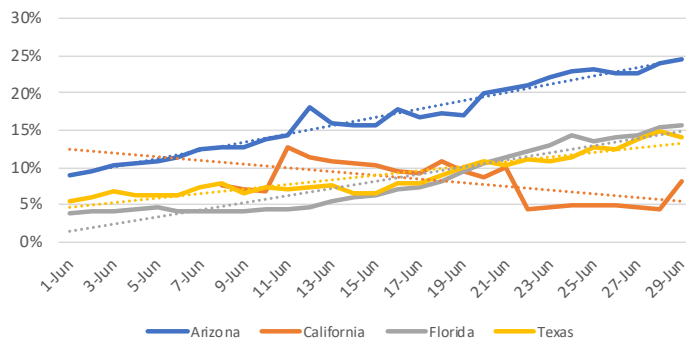


Tracking Testing Rates and Cases

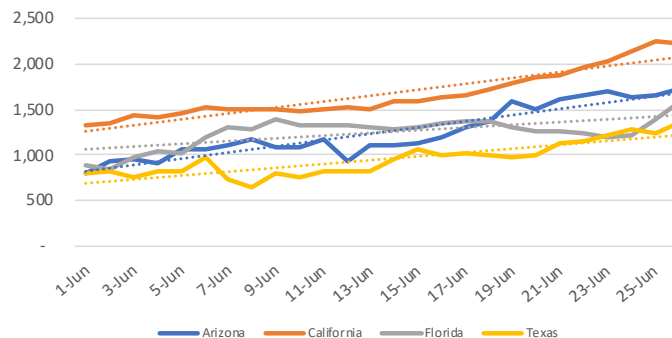
Arizona, California, Florida and Texas

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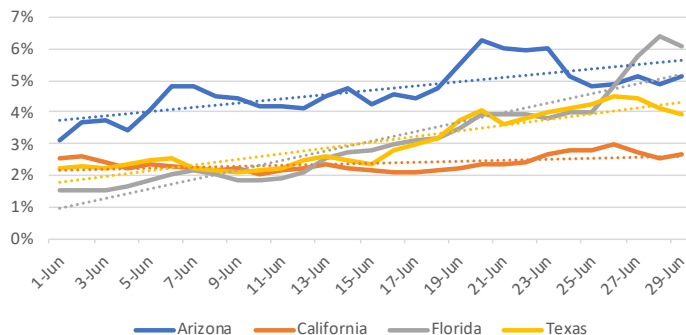
Test-Positive Rate
Trailing 7-Day Moving Average



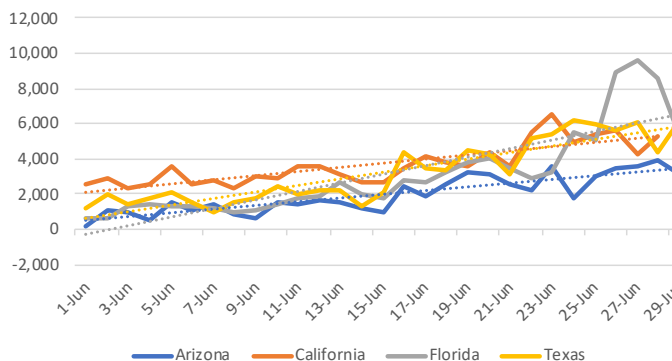
Daily Tests Per 1 Million
Trailing 7-Day Moving Average



% Change In Cases
Trailing 5-Day Moving Average



New Daily Cases

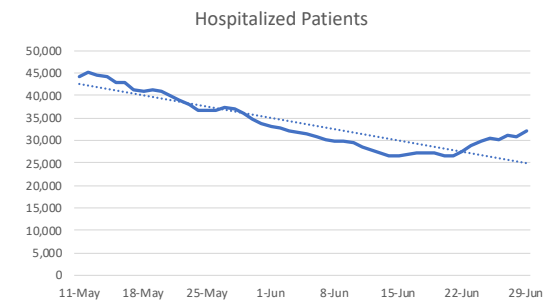
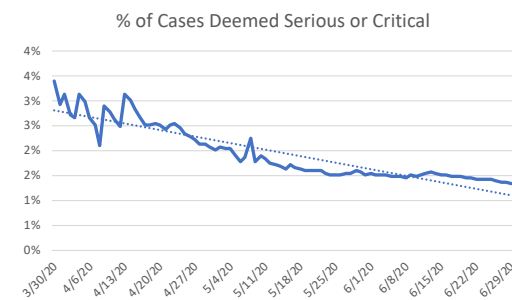
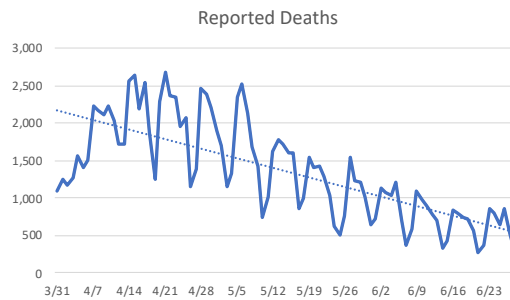
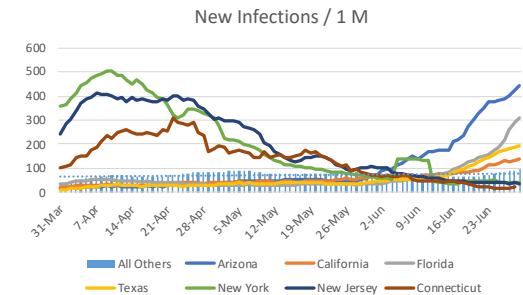
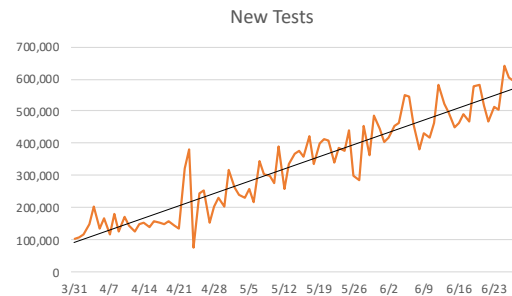
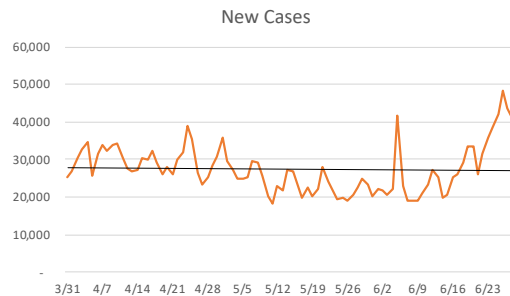


Tracking The Recent Surge In Cases

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Observations:

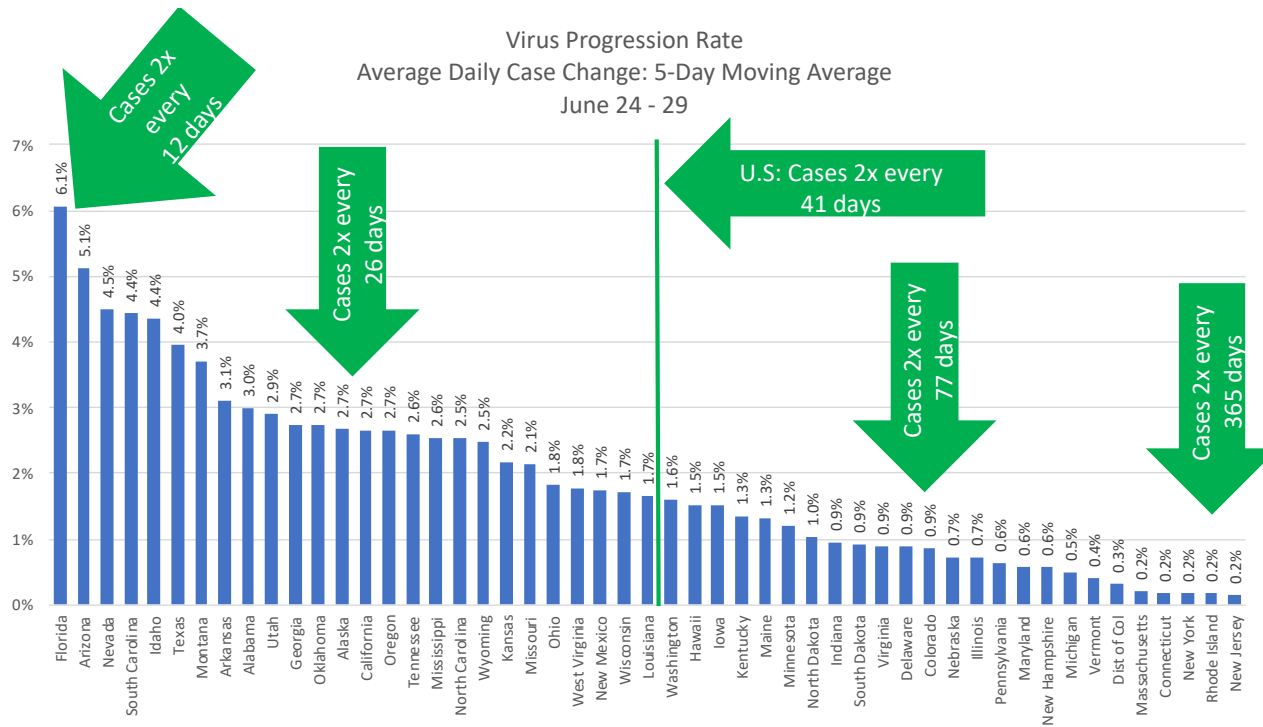
- After steadily declining during April and May, new cases clearly began to rise sharply on June 9
- Although testing has steadily increased, this cannot explain the rise in new cases
The concentrated rise in new infections per capita recently in Arizona, California, Florida and Texas mirrors the concentrated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



State-by-State Average Daily Case Growth

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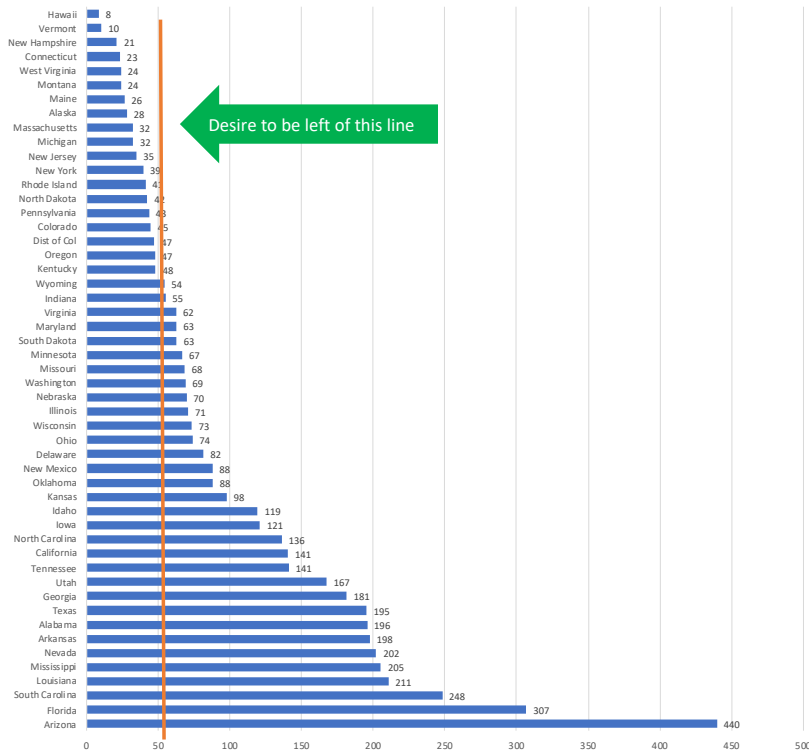
At the height of the epidemic, cases in some states were doubling every few days. Now, they would take from 12 – 431 days to double



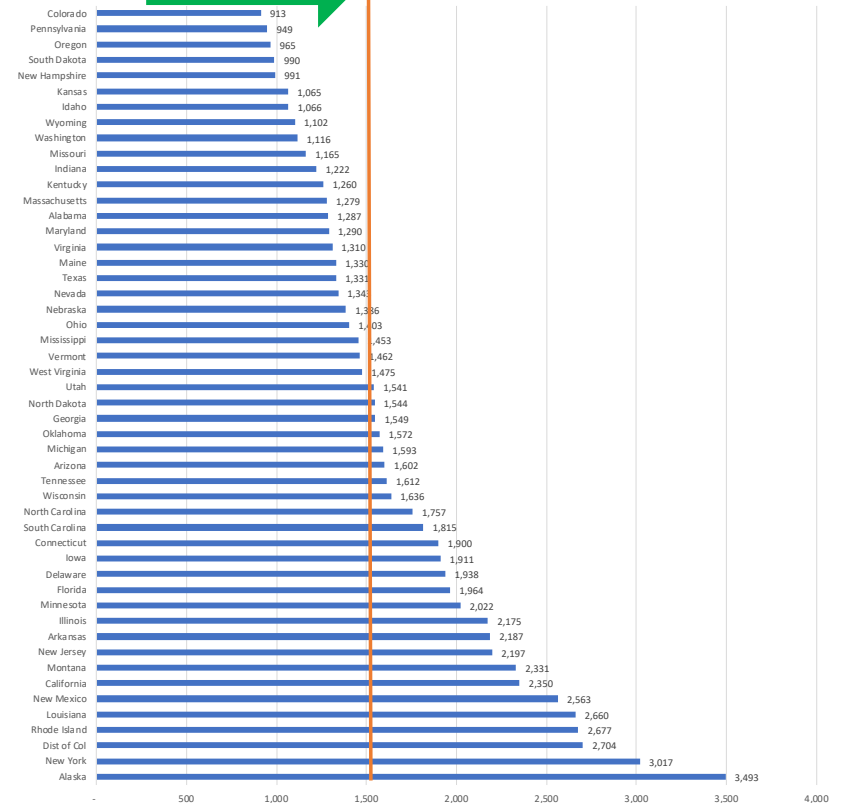
State-by-State New Daily Infections & Tests Per Capita

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New Daily Infections Per 1 Million Population
By State
June 22 - 29



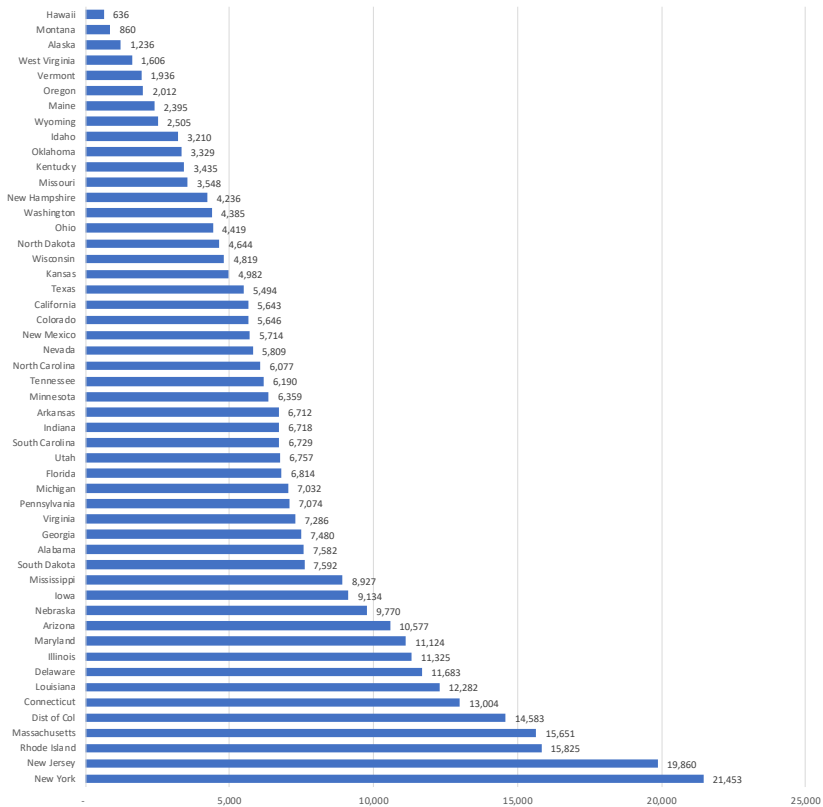
Daily Tests Per 1 Million Population
By State
June 22 - 29



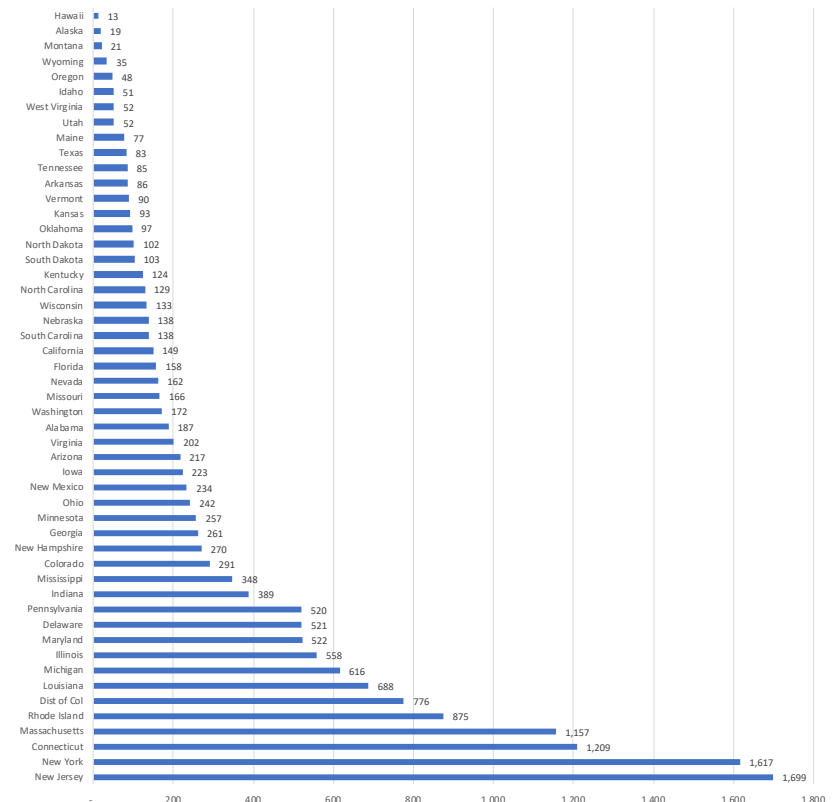
State-by-State Cases & Deaths Per Capita

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Total Cases Per 1 Million Population
By State
As of June 29



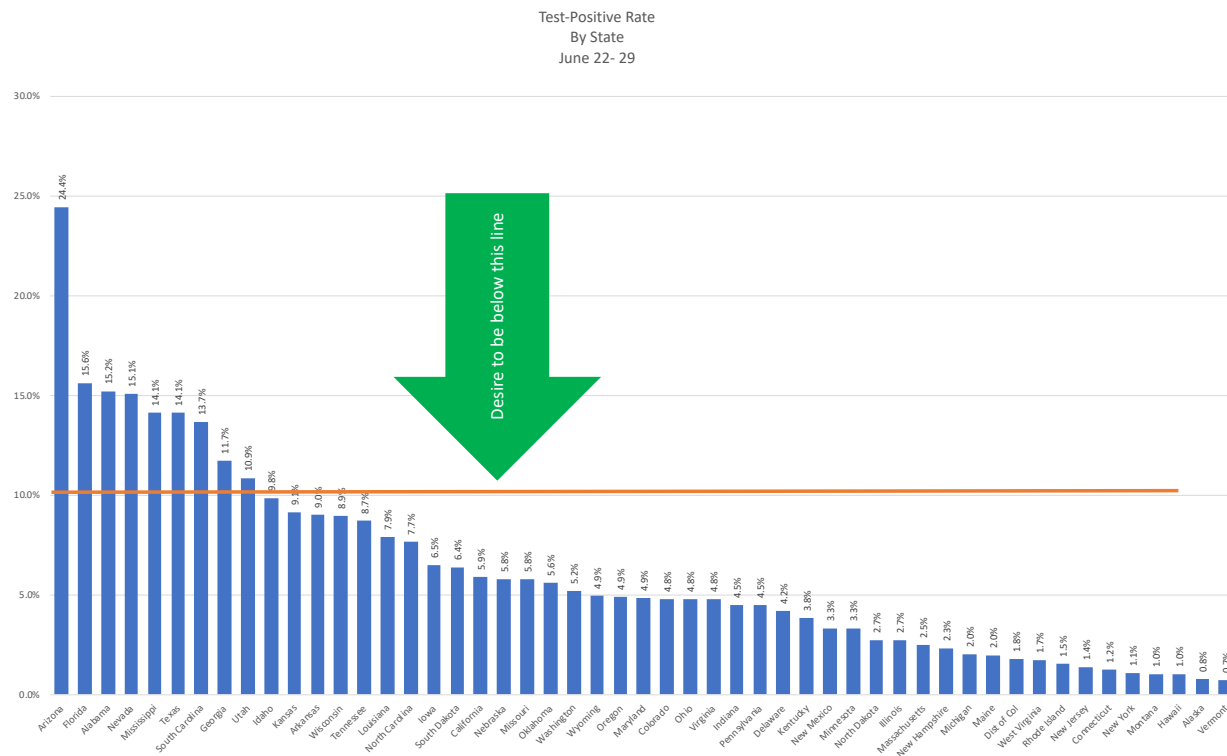
Deaths Per 1 Million Population
By State
As of June 29



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



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

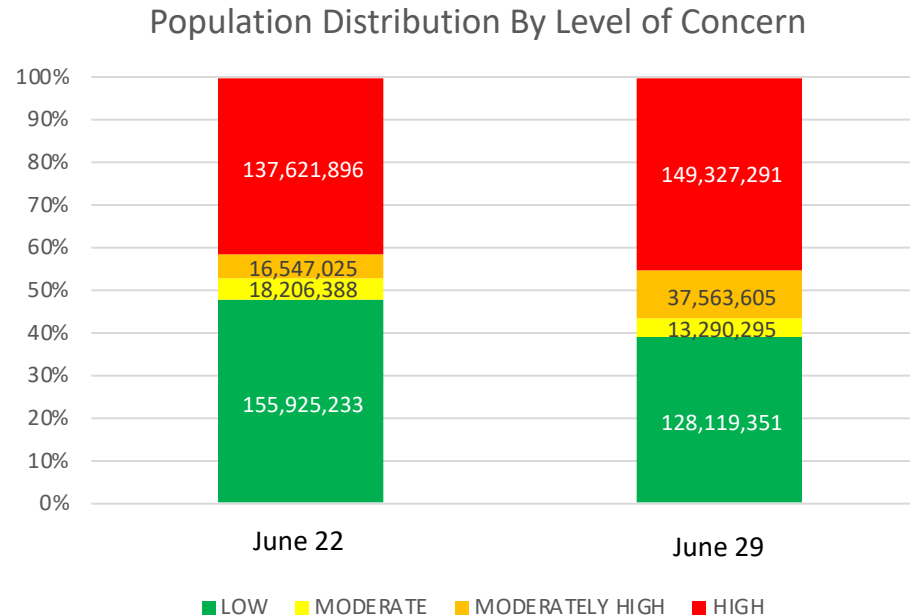
We combined these criteria into a single score, reflective of our relative degree of concern of each state's current status (High, Moderately High, Moderate, Low)



State-By-State Data

Population Distribution By Level of Concern

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State	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	37,175	(20)	7,581.8	(16)	929	(25)	2.5%	(32)	189.5	(24)	3.0%	(9)	1,287	(37)	157.9	(11)
Alaska	904	(50)	1,235.7	(49)	14	(51)	1.5%	(44)	19.1	(50)	2.7%	(13)	3,493	(1)	25.0	(44)
Arizona	76,987	(10)	10,577.0	(11)	1,588	(18)	2.1%	(40)	218.2	(22)	5.1%	(2)	1,602	(21)	422.3	(1)
Arkansas	20,257	(30)	6,712.5	(25)	265	(39)	1.3%	(50)	87.8	(40)	3.1%	(8)	2,187	(10)	201.5	(5)
California	222,985	(2)	5,643.4	(32)	5,976	(7)	2.7%	(31)	151.2	(29)	2.7%	(14)	2,350	(7)	135.7	(12)
Colorado	32,511	(24)	5,645.5	(31)	1,682	(17)	5.2%	(13)	292.1	(15)	0.9%	(38)	913	(50)	43.9	(36)
Connecticut	46,362	(17)	13,003.7	(6)	4,320	(8)	9.3%	(1)	1,211.7	(3)	0.2%	(48)	1,900	(16)	22.0	(47)
Delaware	11,376	(38)	11,682.5	(8)	507	(32)	4.5%	(18)	520.7	(12)	0.9%	(37)	1,938	(14)	66.2	(27)
District Of Columbia	10,292	(39)	14,583.1	(5)	551	(31)	5.4%	(12)	780.7	(6)	0.3%	(46)	2,704	(3)	46.2	(35)
Florida	146,341	(5)	6,813.6	(21)	3,447	(9)	2.4%	(36)	160.5	(28)	6.1%	(1)	1,964	(13)	291.2	(2)
Georgia	79,417	(9)	7,479.9	(17)	2,784	(13)	3.5%	(24)	262.2	(17)	2.7%	(11)	1,549	(24)	168.3	(9)
Hawaii	900	(51)	635.7	(51)	18	(50)	2.0%	(41)	12.7	(51)	1.5%	(28)	852	(51)	8.6	(51)
Idaho	5,752	(43)	3,209.7	(43)	91	(45)	1.6%	(43)	50.8	(46)	4.4%	(5)	1,066	(44)	104.7	(16)
Illinois	143,514	(6)	11,325.4	(9)	7,103	(4)	4.9%	(14)	560.5	(9)	0.7%	(40)	2,175	(11)	67.8	(23)
Indiana	45,228	(18)	6,718.1	(24)	2,624	(14)	5.8%	(8)	389.8	(13)	0.9%	(34)	1,222	(40)	53.2	(32)
Iowa	28,817	(25)	9,133.6	(13)	709	(28)	2.5%	(33)	224.7	(21)	1.5%	(29)	1,911	(15)	114.5	(14)
Kansas	14,513	(35)	4,981.6	(34)	273	(37)	1.9%	(42)	93.7	(38)	2.2%	(20)	1,065	(45)	81.6	(19)
Kentucky	15,347	(34)	3,435.1	(41)	560	(30)	3.6%	(23)	125.3	(34)	1.3%	(30)	1,260	(39)	47.4	(34)
Louisiana	57,095	(15)	12,281.7	(7)	3,206	(10)	5.6%	(10)	689.6	(7)	1.7%	(26)	2,660	(5)	190.3	(7)
Maine	3,219	(45)	2,394.7	(45)	105	(42)	3.3%	(25)	78.1	(43)	1.3%	(31)	1,330	(34)	24.9	(45)
Maryland	67,254	(12)	11,124.3	(10)	3,175	(11)	4.7%	(15)	525.2	(10)	0.6%	(42)	1,290	(36)	58.4	(30)
Massachusetts	108,768	(7)	15,651.2	(4)	8,095	(3)	7.4%	(5)	1,164.8	(4)	0.2%	(47)	1,279	(38)	33.0	(42)
Michigan	70,223	(11)	7,031.5	(20)	6,161	(6)	8.8%	(2)	616.9	(8)	0.5%	(44)	1,593	(22)	32.0	(43)
Minnesota	35,861	(21)	6,358.7	(26)	1,470	(19)	4.1%	(20)	260.7	(18)	1.2%	(32)	2,022	(12)	66.6	(25)
Mississippi	26,567	(27)	8,926.6	(14)	1,059	(22)	4.0%	(21)	355.8	(14)	2.6%	(17)	1,453	(29)	233.8	(4)

"Strategic Guidance in an Era of Unprecedented Change"

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	21,778	(28)	3,548.4	(40)	1,024	(23)	4.7%	(16)	166.8	(26)	2.1%	(21)	1,165	(41)	66.2	(26)
Montana	919	(49)	859.9	(50)	22	(48)	2.4%	(35)	20.6	(49)	3.7%	(7)	2,331	(8)	19.5	(49)
Nebraska	18,899	(31)	9,769.9	(12)	267	(38)	1.4%	(46)	138.0	(31)	0.7%	(39)	1,386	(31)	80.4	(20)
Nevada	17,894	(32)	5,809.4	(29)	504	(33)	2.8%	(28)	163.6	(27)	4.5%	(3)	1,343	(32)	183.4	(8)
New Hampshire	5,760	(42)	4,236.2	(39)	367	(36)	6.4%	(7)	269.9	(16)	0.6%	(43)	991	(46)	21.3	(48)
New Jersey	176,399	(3)	19,859.9	(2)	15,123	(2)	8.6%	(3)	1,702.6	(1)	0.2%	(51)	2,197	(9)	39.2	(40)
New Mexico	11,982	(37)	5,714.3	(30)	493	(34)	4.1%	(19)	235.1	(20)	1.7%	(24)	2,563	(6)	84.8	(18)
New York	417,328	(1)	21,452.5	(1)	31,496	(1)	7.5%	(4)	1,619.0	(2)	0.2%	(49)	3,017	(2)	40.6	(39)
North Carolina	63,734	(13)	6,076.8	(28)	1,366	(20)	2.1%	(38)	130.2	(33)	2.5%	(18)	1,757	(18)	126.2	(13)
North Dakota	3,539	(44)	4,644.0	(36)	79	(46)	2.2%	(37)	103.7	(35)	1.0%	(33)	1,544	(25)	38.8	(41)
Ohio	51,655	(16)	4,419.1	(37)	2,850	(12)	5.5%	(11)	243.8	(19)	1.8%	(22)	1,403	(30)	73.6	(21)
Oklahoma	13,172	(36)	3,328.8	(42)	385	(35)	2.9%	(27)	97.3	(37)	2.7%	(12)	1,572	(23)	87.7	(17)
Oregon	8,485	(40)	2,011.7	(46)	204	(40)	2.4%	(34)	48.4	(47)	2.7%	(15)	965	(48)	47.6	(33)
Pennsylvania	90,555	(8)	7,073.5	(19)	6,672	(5)	7.4%	(6)	521.2	(11)	0.6%	(41)	949	(49)	43.4	(38)
Rhode Island	16,764	(33)	15,824.6	(3)	946	(24)	5.6%	(9)	893.0	(5)	0.2%	(50)	2,677	(4)	43.7	(37)
South Carolina	34,644	(22)	6,728.7	(23)	720	(27)	2.1%	(39)	139.8	(30)	4.4%	(4)	1,815	(17)	239.4	(3)
South Dakota	6,716	(41)	7,591.6	(15)	91	(45)	1.4%	(49)	102.9	(36)	0.9%	(35)	990	(47)	62.0	(29)
Tennessee	42,297	(19)	6,189.9	(27)	592	(29)	1.4%	(47)	86.6	(41)	2.6%	(16)	1,612	(20)	106.0	(15)
Texas	159,310	(4)	5,494.2	(33)	2,437	(15)	1.5%	(45)	84.0	(42)	4.0%	(6)	1,331	(33)	190.4	(6)
Utah	21,664	(29)	6,757.4	(22)	168	(41)	0.8%	(51)	52.4	(44)	2.9%	(10)	1,541	(26)	162.1	(10)
Vermont	1,208	(48)	1,935.9	(47)	56	(47)	4.6%	(17)	89.7	(39)	0.4%	(45)	1,462	(28)	9.8	(50)
Virginia	62,189	(14)	7,285.9	(18)	1,740	(16)	2.8%	(29)	203.9	(23)	0.9%	(36)	1,310	(35)	62.6	(28)
Washington	33,391	(23)	4,385.0	(38)	1,320	(21)	4.0%	(22)	173.3	(25)	1.6%	(27)	1,116	(42)	67.6	(24)
West Virginia	2,870	(46)	1,605.9	(48)	93	(43)	3.2%	(26)	52.0	(45)	1.8%	(23)	1,475	(27)	23.1	(46)
Wisconsin	28,058	(26)	4,818.9	(35)	777	(26)	2.8%	(30)	133.4	(32)	1.7%	(25)	1,636	(19)	71.7	(22)
Wyoming	1,450	(47)	2,505.4	(44)	20	(49)	1.4%	(48)	34.6	(48)	2.5%	(19)	1,102	(43)	54.3	(31)
United States	2,681,811		8,102.1		128,783		4.8%		389.1		1.7%		1,726		126.7	

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COUNTRY-BY-COUNTRY INFORMATION

Countries Included

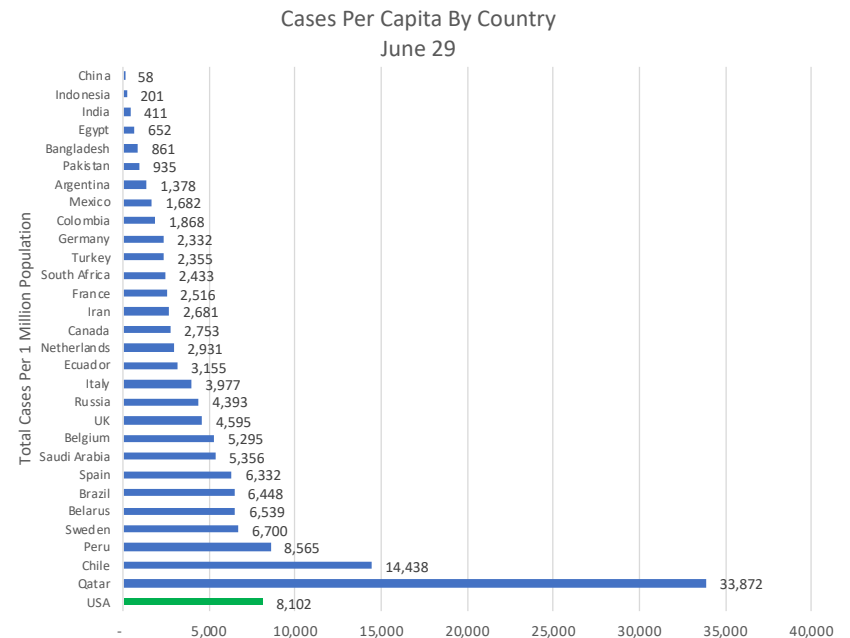
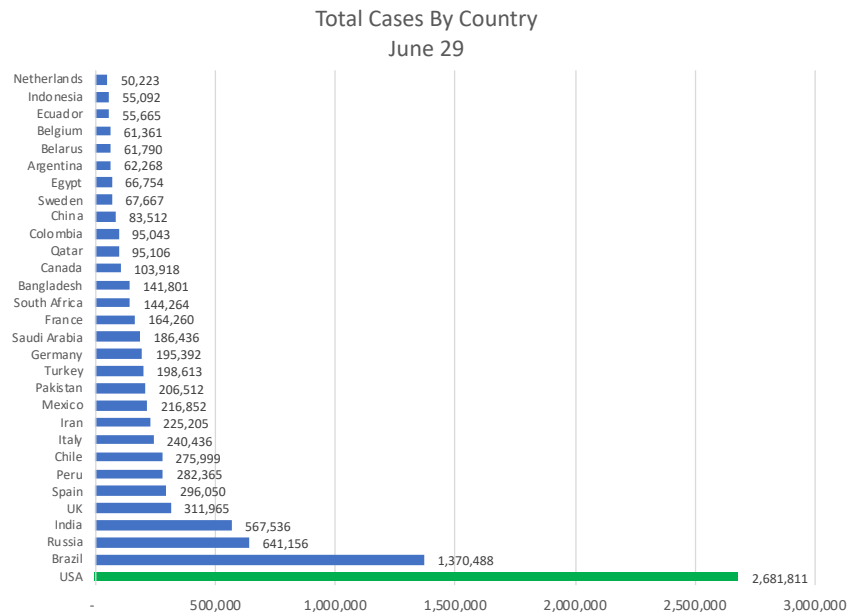
"Strategic Guidance in an Era of Unprecedented Change"

- 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

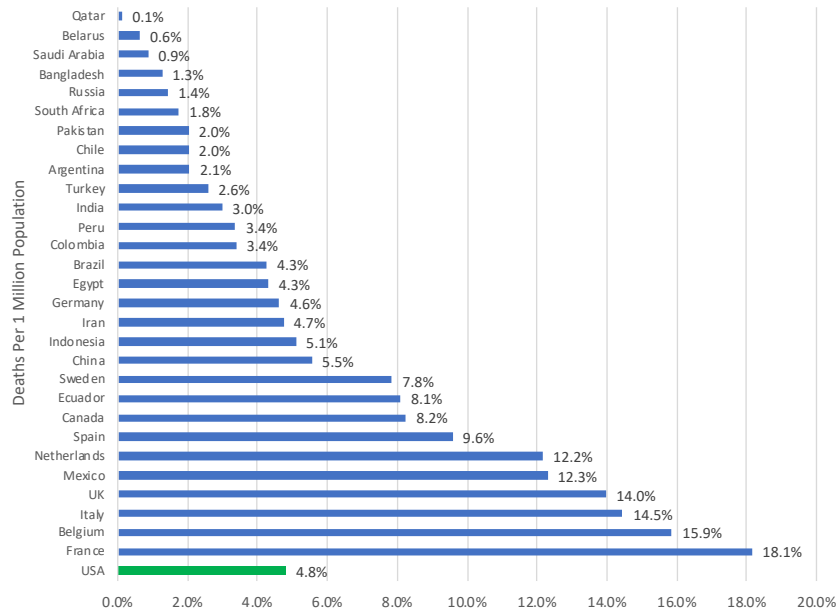
"Strategic Guidance in an Era of Unprecedented Change"

Countries Ranked 1-30 In Total Cases

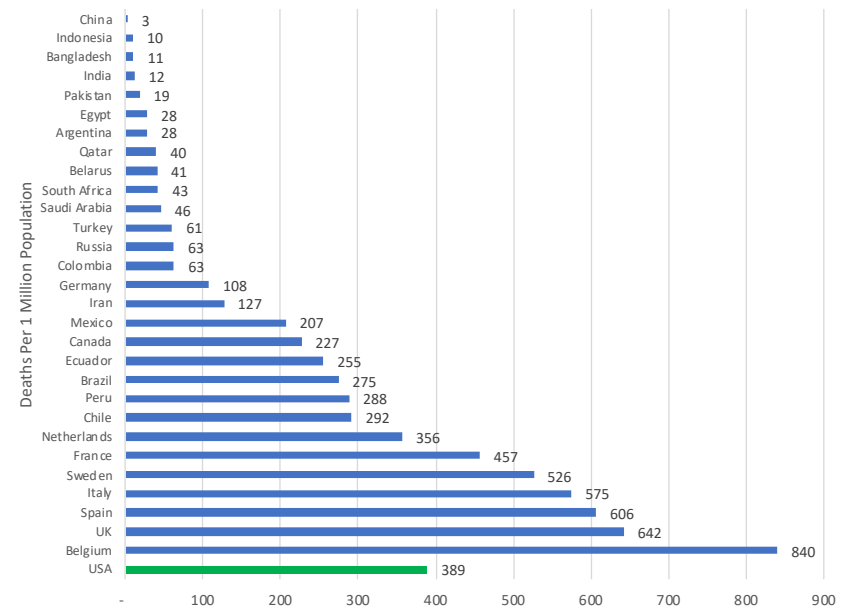


Countries Ranked 1-30 In Total Cases

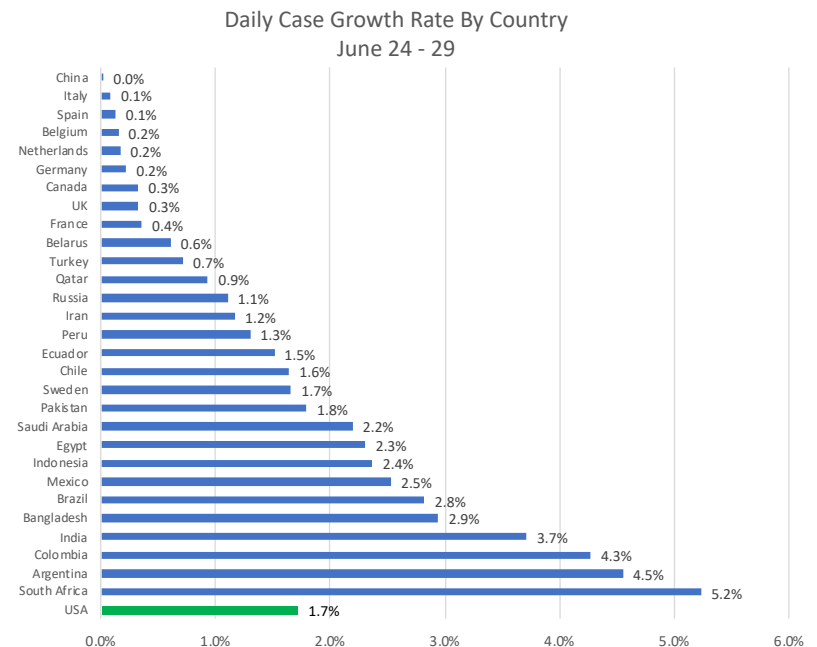
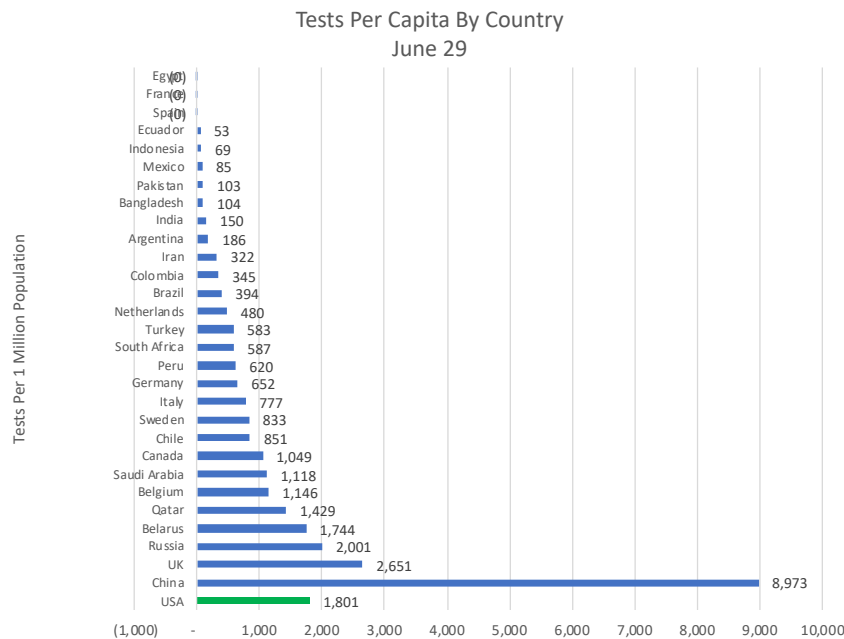
Death Rate By Country
June 29



Deaths Per Capita By Country
June 29



Countries Ranked 1-30 In Total Cases



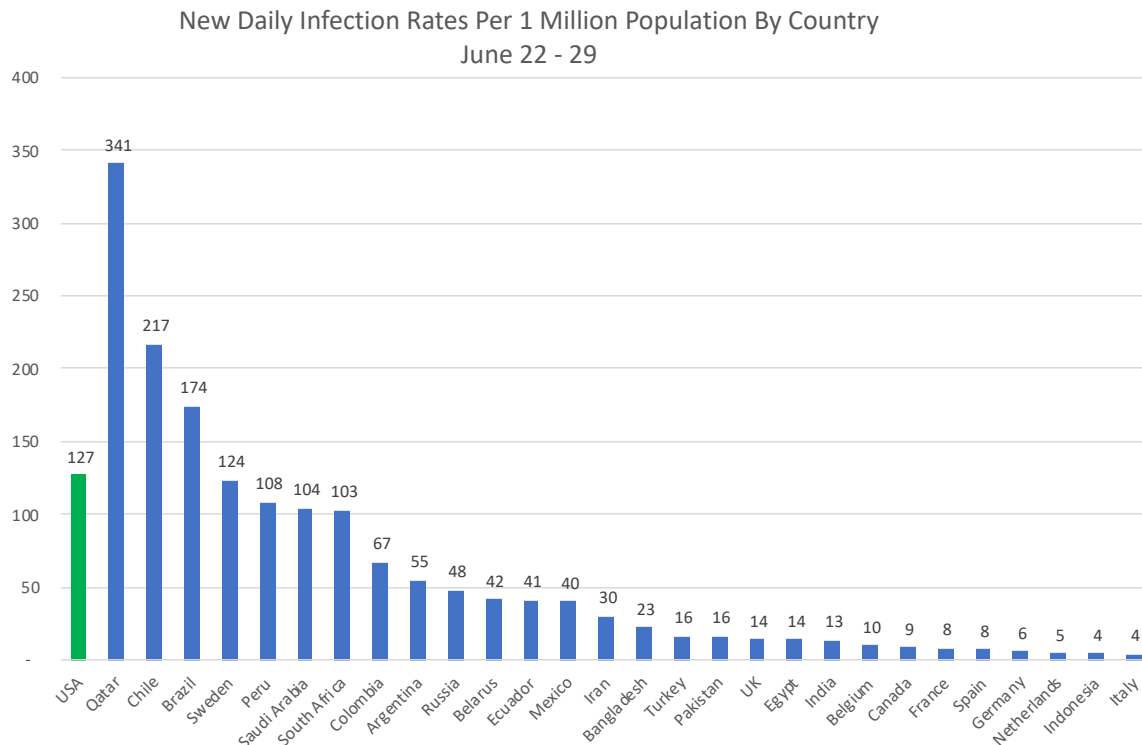
Daily Tests Per Capita For Past Week

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



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 83.6% of all cases worldwide.

Rank	Country	29-Jun	Rank	Country	6-May	Rank	Country	27-Apr
1	USA	2,681,811	1	USA	1,263,092	1	USA	1,010,356
2	Brazil	1,370,488	2	Spain	253,682	2	Spain	229,422
3	Russia	641,156	3	Italy	214,457	3	Italy	199,414
4	India	567,536	4	UK	201,101	4	France	128,339
5	UK	311,965	5	France	174,191	5	Germany	158,758
6	Spain	296,050	6	Germany	168,162	6	UK	157,149
7	Peru	282,365	7	Russia	165,929	7	Turkey	112,261
8	Chile	275,999	8	Turkey	131,744	8	Iran	91,472
9	Italy	240,436	9	Brazil	126,611	9	Russia	87,147
10	Iran	225,205	10	Iran	101,650	10	China	82,830
11	Mexico	216,852	11	China	82,883	11	Brazil	66,501
12	Pakistan	206,512	12	Canada	63,496	12	Canada	48,500
13	Turkey	198,613	13	Peru	54,817	13	Belgium	46,687
14	Germany	195,392	14	India	52,987	14	Netherlands	38,245
15	Saudi Arabia	186,436	15	Belgium	50,781	15	India	29,451
16	France	164,260	16	Netherlands	41,319	16	Switzerland	29,164
19	Canada	103,918	17	Saudi Arabia	31,938	17	Peru	28,669
22	China	83,512	18	Switzerland	30,060	18	Portugal	24,070
23	Sweden	67,667	19	Ecuador	29,420	19	Ecuador	23,240
27	Belgium	61,361	20	Portugal	26,182	20	Ireland	19,648
28	Ecuador	55,665	21	Mexico	26,025	21	Sweden	18,926
30	Netherlands	50,223	22	Sweden	23,918	22	Saudi Arabia	18,811
34	Singapore	43,661	23	Pakistan	23,214	23	Israel	15,555
36	Portugal	41,912	24	Chile	23,048	24	Austria	15,274
42	Switzerland	31,652	25	Ireland	22,248	25	Mexico	14,677
47	Ireland	25,462	26	Singapore	20,198	26	Singapore	14,423
50	Israel	24,441	29	Israel	16,310	27	Pakistan	13,915
52	Japan	18,476	31	Austria	15,684	28	Chile	13,813
54	Austria	17,723	32	Japan	15,253	29	Japan	13,614
62	S. Korea	12,757	38	S. Korea	10,806	35	South Korea	10,738
	Others	1,703,400		Others	356,176		Others	301,446
	World	10,402,906			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 29

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	2,681,811	(1)	8,102	(4)	128,783	(1)	4.8%	(13)	389.1	(7)	1.7%	(12)	1,801	(4)	126.7	(4)
Brazil	1,370,488	(2)	6,448	(7)	58,385	(2)	4.3%	(17)	274.7	(11)	2.8%	(6)	394	(18)	174.2	(3)
Russia	641,156	(3)	4,393	(12)	9,166	(12)	1.4%	(26)	62.8	(18)	1.1%	(18)	2,001	(3)	47.8	(11)
India	567,536	(4)	411	(28)	16,904	(8)	3.0%	(20)	12.2	(27)	3.7%	(4)	150	(22)	13.2	(21)
UK	311,965	(5)	4,595	(11)	43,575	(3)	14.0%	(4)	641.9	(2)	0.3%	(23)	2,651	(2)	14.0	(19)
Spain	296,050	(6)	6,332	(8)	28,346	(6)	9.6%	(7)	606.3	(3)	0.1%	(28)	0	(28)	7.5	(25)
Peru	282,365	(7)	8,565	(3)	9,504	(11)	3.4%	(19)	288.3	(10)	1.3%	(16)	620	(14)	108.0	(6)
Chile	275,999	(8)	14,438	(2)	5,575	(16)	2.0%	(23)	291.6	(9)	1.6%	(14)	851	(10)	217.0	(2)
Italy	240,436	(9)	3,977	(13)	34,744	(4)	14.5%	(3)	574.6	(4)	0.1%	(29)	777	(12)	4.1	(29)
Iran	225,205	(10)	2,681	(17)	10,670	(9)	4.7%	(14)	127.0	(15)	1.2%	(17)	322	(20)	30.1	(15)
Mexico	216,852	(11)	1,682	(23)	26,648	(7)	12.3%	(5)	206.7	(14)	2.5%	(7)	85	(25)	40.2	(14)
Pakistan	206,512	(12)	935	(25)	4,167	(21)	2.0%	(24)	18.9	(26)	1.8%	(11)	103	(24)	16.4	(18)
Turkey	198,613	(13)	2,355	(20)	5,115	(18)	2.6%	(21)	60.7	(19)	0.7%	(20)	583	(16)	16.5	(17)
Germany	195,392	(14)	2,332	(21)	9,041	(13)	4.6%	(15)	107.9	(16)	0.2%	(25)	652	(13)	5.6	(26)
Saudi Arabia	186,436	(15)	5,356	(9)	1,599	(27)	0.9%	(28)	45.9	(20)	2.2%	(10)	1,118	(8)	104.4	(7)
France	164,260	(16)	2,516	(18)	29,813	(5)	18.1%	(1)	456.7	(6)	0.4%	(22)	0	(28)	7.7	(24)
South Africa	144,264	(17)	2,433	(19)	2,529	(25)	1.8%	(25)	42.6	(21)	5.2%	(1)	587	(15)	102.8	(8)
Bangladesh	141,801	(18)	861	(26)	1,783	(26)	1.3%	(27)	10.8	(28)	2.9%	(5)	104	(23)	22.6	(16)
Canada	103,918	(19)	2,753	(16)	8,566	(14)	8.2%	(8)	227.0	(13)	0.3%	(24)	1,049	(9)	8.6	(23)
Qatar	95,106	(20)	33,872	(1)	113	(30)	0.1%	(30)	40.2	(23)	0.9%	(19)	1,429	(6)	341.0	(1)
Colombia	95,043	(21)	1,868	(22)	3,223	(22)	3.4%	(18)	63.3	(17)	4.3%	(3)	345	(19)	67.0	(9)
China	83,512	(22)	58	(30)	4,634	(19)	5.5%	(11)	3.2	(30)	0.0%	(30)	8,973	(1)	0.0	(30)
Sweden	67,667	(23)	6,700	(5)	5,310	(17)	7.8%	(10)	525.8	(5)	1.7%	(13)	833	(11)	123.6	(5)
Egypt	66,754	(24)	652	(27)	2,872	(23)	4.3%	(16)	28.1	(25)	2.3%	(9)	0	(28)	13.9	(20)
Argentina	62,268	(25)	1,378	(24)	1,280	(28)	2.1%	(22)	28.3	(24)	4.5%	(2)	186	(21)	54.8	(10)
Belarus	61,790	(26)	6,539	(6)	387	(29)	0.6%	(29)	41.0	(22)	0.6%	(21)	1,744	(5)	41.8	(12)
Belgium	61,361	(27)	5,295	(10)	9,732	(10)	15.9%	(2)	839.7	(1)	0.2%	(27)	1,146	(7)	10.0	(22)
Ecuador	55,665	(28)	3,155	(14)	4,502	(20)	8.1%	(9)	255.2	(12)	1.5%	(15)	53	(27)	40.7	(13)
Indonesia	55,092	(29)	201	(29)	2,805	(24)	5.1%	(12)	10.3	(29)	2.4%	(8)	69	(26)	4.3	(28)
Netherlands	50,223	(30)	2,931	(15)	6,107	(15)	12.2%	(6)	356.4	(8)	0.2%	(26)	480	(17)	4.7	(27)

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

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