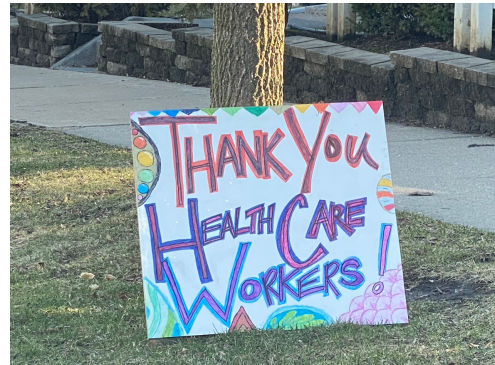
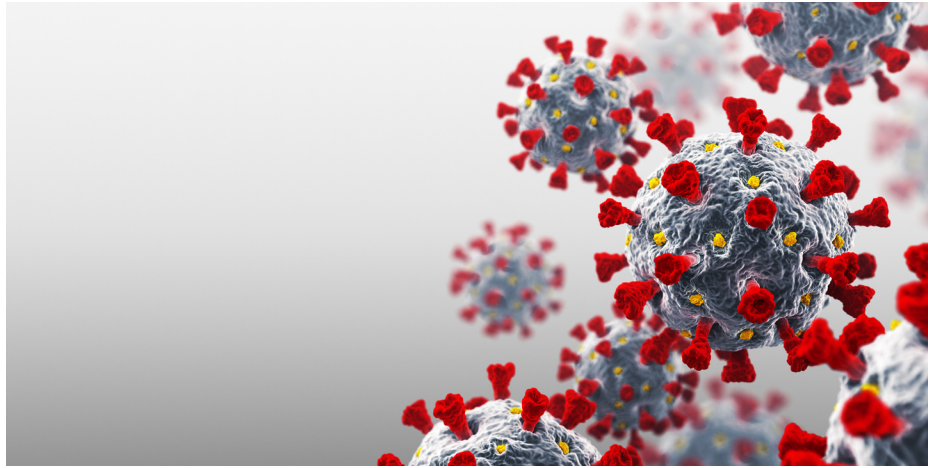
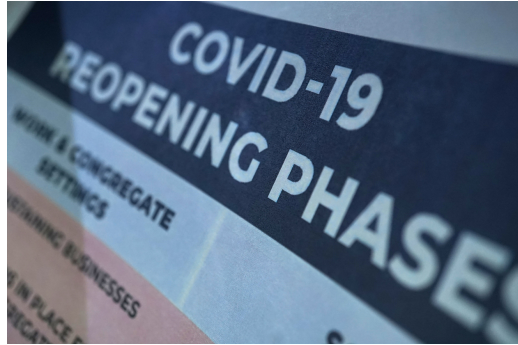




COVID-19 Report

Issue # 109

Sunday, July 19, 2020

- Although it is far too early to establish any long-term patterns, yesterday brought encouraging developments on several fronts:
 - The new daily infection rate in the United States (on a trailing 7-day moving average basis) has been stable for 3 consecutive days. Following 5 weeks of uninterrupted growth, this respite is quite welcome
 - Similarly, the week-over-week change in new cases has fallen on three consecutive days
 - Deaths with the coronavirus (on a trailing 7-day moving average basis), which had been increasing from a low on July 5, have been essentially stable for 5 straight days; the death rate per case now stands at 3.73%
 - In the recently hard-hit states of Arizona, California, Florida, Georgia and Texas, test-positive rates, new cases, infection rates and hospitalizations are generally exhibiting signs of stabilizing in the past few days
 - Arizona is now 11 days past its peak new daily infection rate; California is 6 days past; even Florida experienced a slight decline in this rate yesterday
- Our analysis of recoveries and active cases provided several interesting insights:
 - Recoveries now nearly equal the number of active cases in the United States; as recently as May 30, recoveries were less than 1/2 the number of active cases
 - Recoveries in the recently-impacted states are occurring more quickly than they did in the states impacted in March and April. This is presumably due to more-informed treatment protocols, as well as to a younger affected population, earlier identification and lower case severity
 - In most states, 95-99% of all active cases are being managed outside of the hospital; By comparison, in early April New York and New Jersey were hospitalizing 14-16% of active cases, with 3-4% of active cases in the ICU
- Testing continues to increase, and test-positive rates are now stabilizing or perhaps declining. Testing is up 16% week-over-week and 58% month-over-month
- Hospitalizations continue to increase at a slower rate than new cases; the % of hospitalized patients in the ICU and on ventilators now appears to be stabilizing

State-By-State

In most states, 95-99% of active cases are being managed outside the hospital; In early April 14-16% of New York and New Jersey's active cases were in the hospital, 3-4% were in the ICU

Current Status of Active Cases

As of July 18

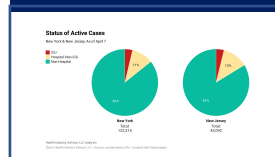
■ ICU
■ Hospital: Non-ICU
■ Non-Hospital



States not reporting hospitalized patients: Alabama, Hawaii, Kansas and Tennessee

States not reporting ICU patients: Alabama, Alaska, Arkansas, Colorado, Connecticut, Florida, Georgia, Hawaii, Louisiana, Missouri, Montana, New Hampshire, New Mexico, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Vermont, Washington and Wyoming

In early April, New Jersey & New York were experiencing a higher rate of hospitalizations and ICU stays



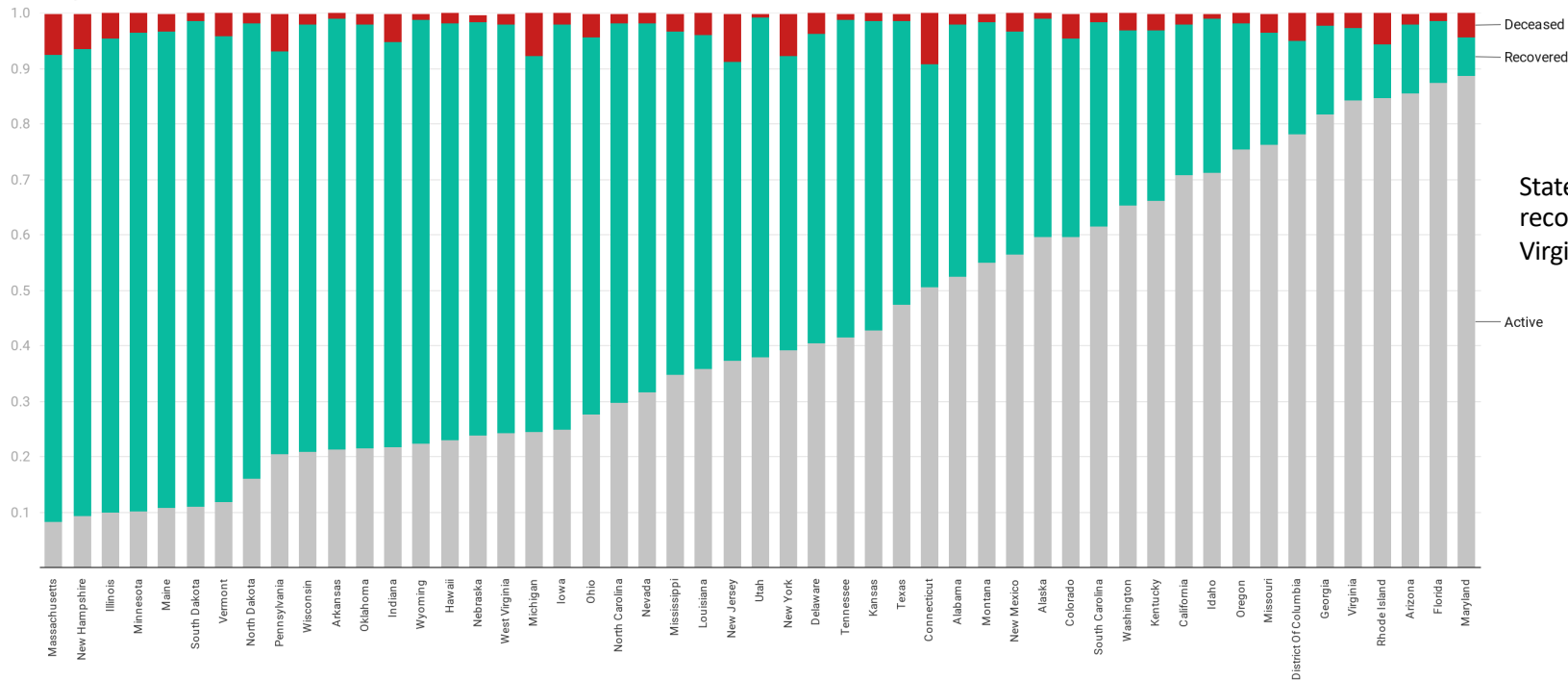
Health Industry Advisor LLC analysis

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

To-date, ½ of all cases are still listed as active; just under ½ are considered recovered. A few states may be slow in reporting recoveries

Case Outcomes

As of July 18



States that seem to be slow in reporting recoveries: Maryland, Rhode Island and Virginia, plus the District of Columbia

Health Industry Advisor LLC analysis

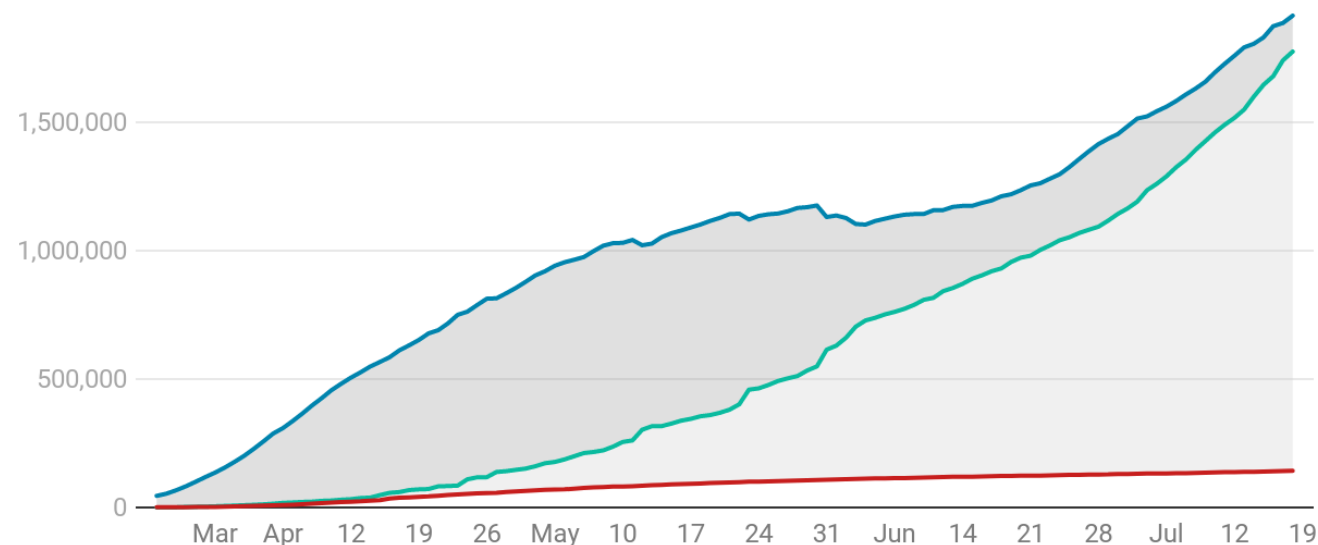
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Recoveries nearly equaling active cases; Deaths represent a far smaller share of outcomes

Active Cases v. Recoveries & Deaths

As of July 18

— Active Cases — Recoveries — Deaths



Health Industry Advisor LLC analysis

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

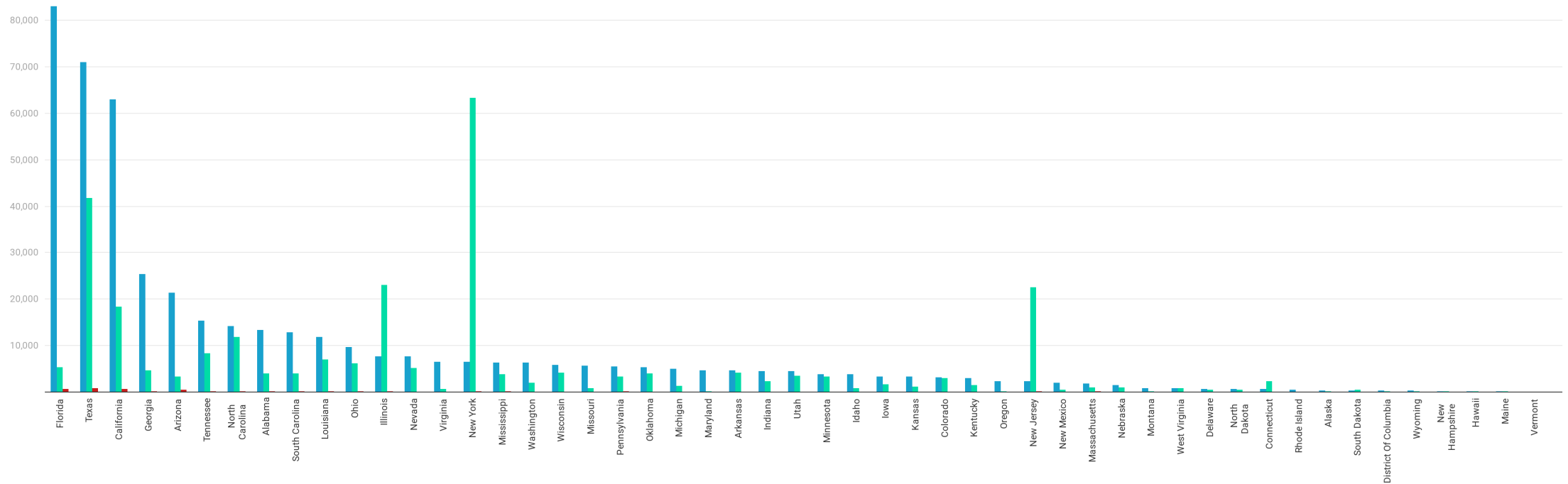
State-By-State

In Arizona, California, Florida, Georgia and Texas, new cases are outpacing recoveries; Illinois, New Jersey and New York are experiencing far more recoveries than new cases; rest of the country is more balanced

Case Changes

July 12-18

■ New Cases ■ New Recoveries ■ New Deaths



Health Industry Advisor LLC analysis

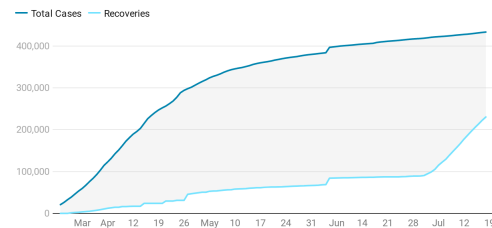
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Recoveries seem to be occurring sooner in states recently hit by the virus

States hit early – New York, Connecticut & New Jersey - were taking ~ 8 weeks for recoveries to match cases; Massachusetts was an exception

Cumulative Cases v. Recoveries

New York, As of July 18

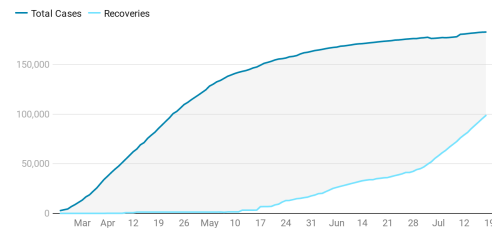


Health Industry Advisor LLC analysis

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

Cumulative Cases v. Recoveries

New Jersey, As of July 18

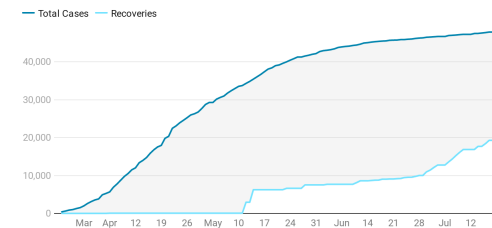


Health Industry Advisor LLC analysis

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

Cumulative Cases v. Recoveries

Connecticut, As of July 18

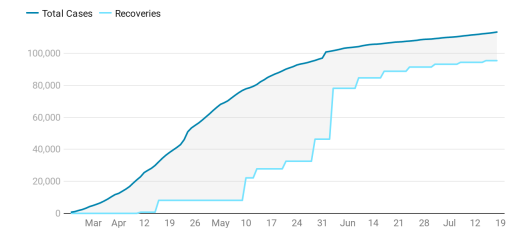


Health Industry Advisor LLC analysis

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

Cumulative Cases v. Recoveries

Massachusetts, As of July 18



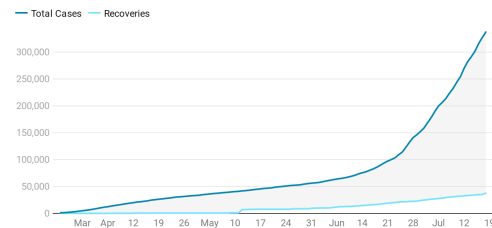
Health Industry Advisor LLC analysis

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

States hit more recently – particularly California & Texas - seem to be experiencing faster recoveries; too soon to judge Arizona & Florida

Cumulative Cases v. Recoveries

Florida, As of July 18

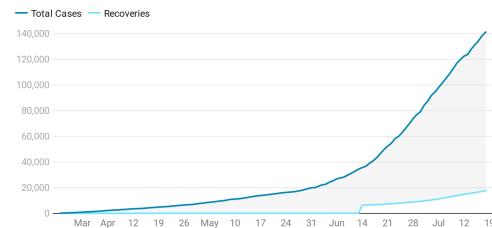


Health Industry Advisor LLC analysis

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

Cumulative Cases v. Recoveries

Arizona, As of July 18

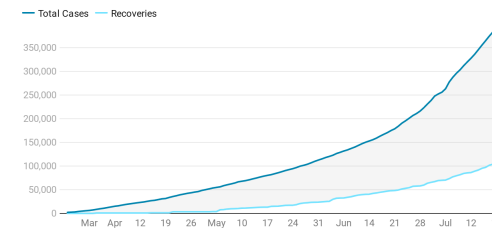


Health Industry Advisor LLC analysis

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

Cumulative Cases v. Recoveries

California, As of July 18

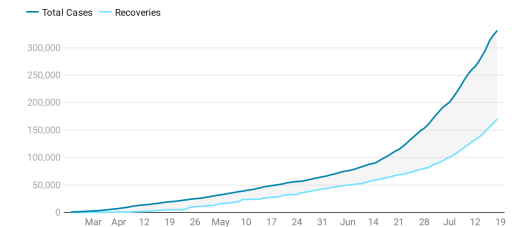


Health Industry Advisor LLC analysis

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

Cumulative Cases v. Recoveries

Texas, As of July 18



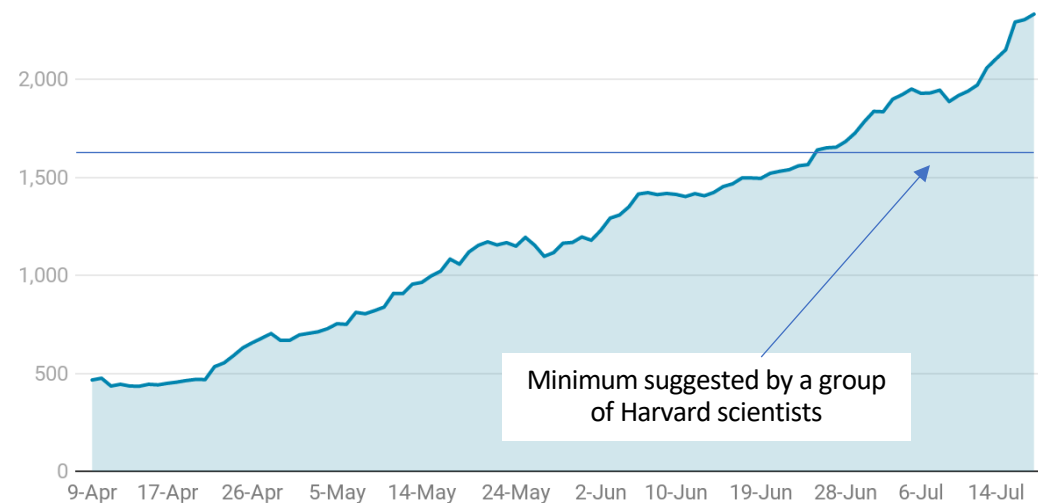
Health Industry Advisor LLC analysis

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

Testing continues to ramp-up – 16% week-over-week; 58% month-over-month; test-positive rate is stabilizing or slightly declining

Daily Tests Per 1 Million - United States

Trailing 7-Day Moving Average, As of July 18

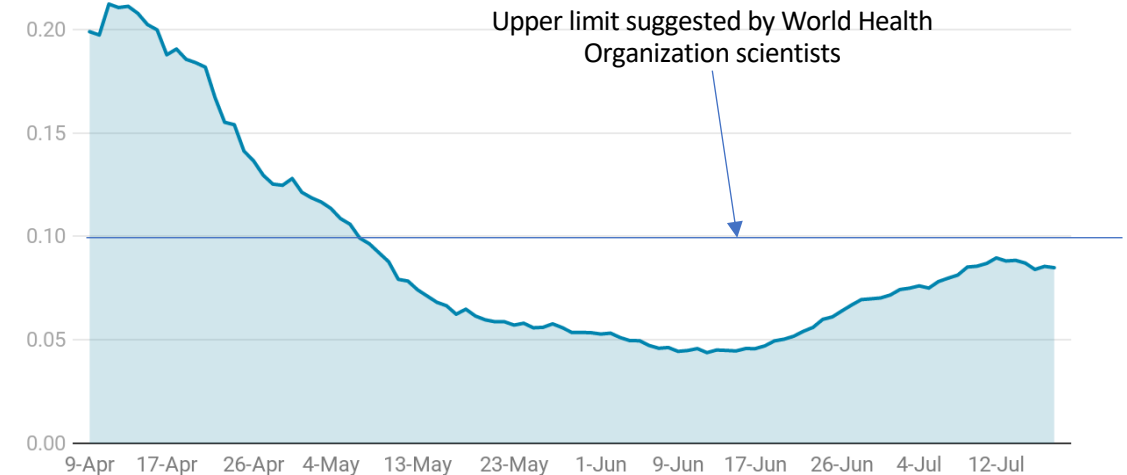


Health Industry Advisor LLC analysis

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

Test-Positive Rate - United States

Trailing 7-Day Moving Average, As of July 18

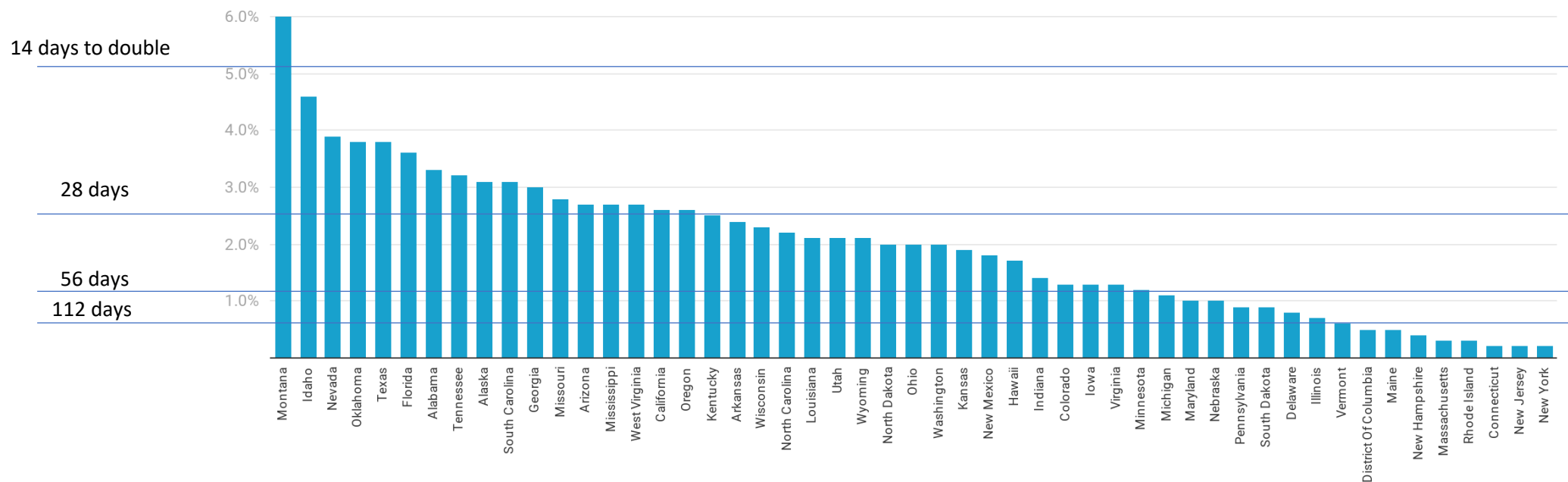


Health Industry Advisor LLC analysis

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

Growth Rate in Total Cases

Trailing 5-Day Moving Average, As of July 18



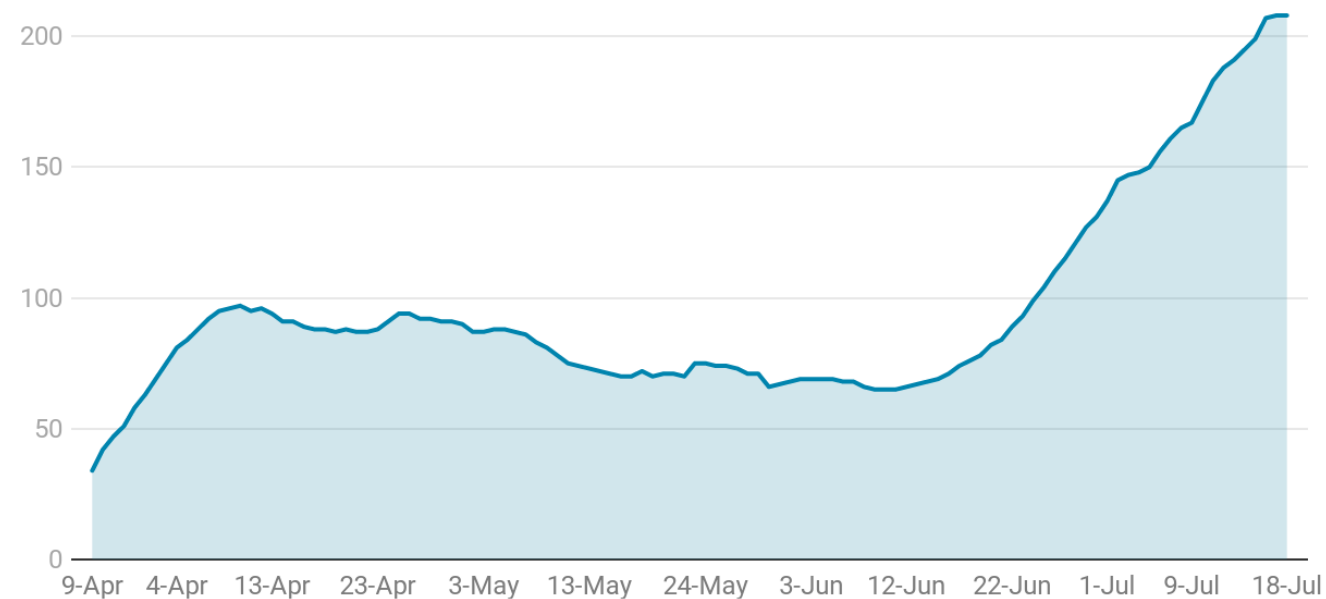
Health Industry Advisor LLC analysis

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

The new daily infection rate has stabilized over the past 3 days; week-over-week case growth has declined on 3 consecutive days

New Infections Per 1 Million Population - United States

Trailing 7-Day Moving Average, As of July 18



Health Industry Advisor LLC analysis

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

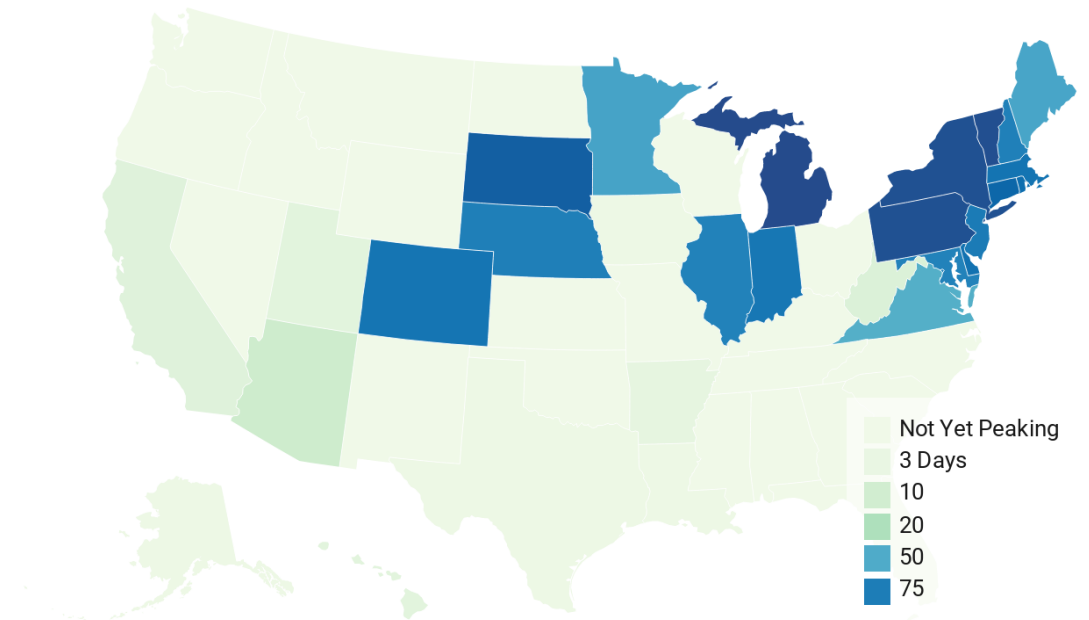
New Infections – Are we turning a corner? Several states moving past their peak

Are we turning a corner?

- Arizona's infection rate peaked 11 days ago
- California: 6 days ago
- Utah & Hawaii: 5 days ago
- Arkansas: 4 days ago
- 21 states have gone at least 48 days, including Michigan, 102; Vermont, 100; and Pennsylvania, 99

Days Since Peak New Infections Per Capita

As of July 18



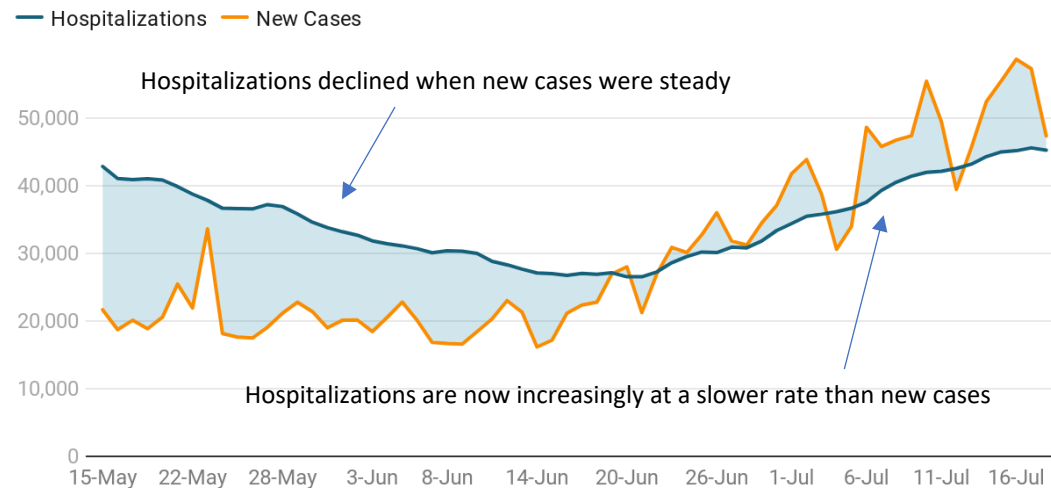
Health Industry Advisor LLC analysis

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

Case severity beginning to stabilize; Hospitalizations increasing at a slower rate than new cases

Hospitalizations v. New Cases

As of July 18



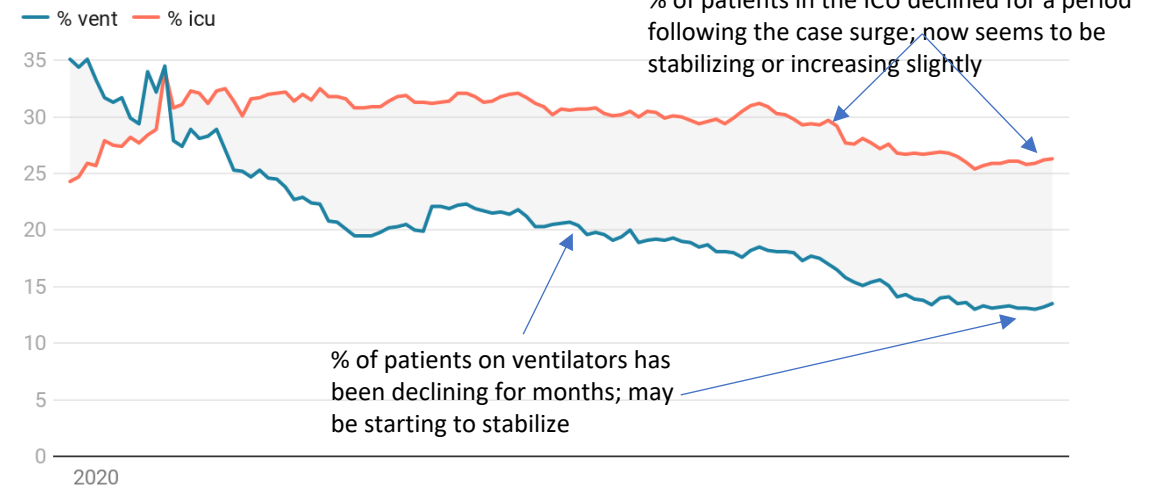
Health Industry Advisor LLC analysis

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

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

Severity of Hospitalized Patients

% of patients on ventilators and in the ICU, As of July 18



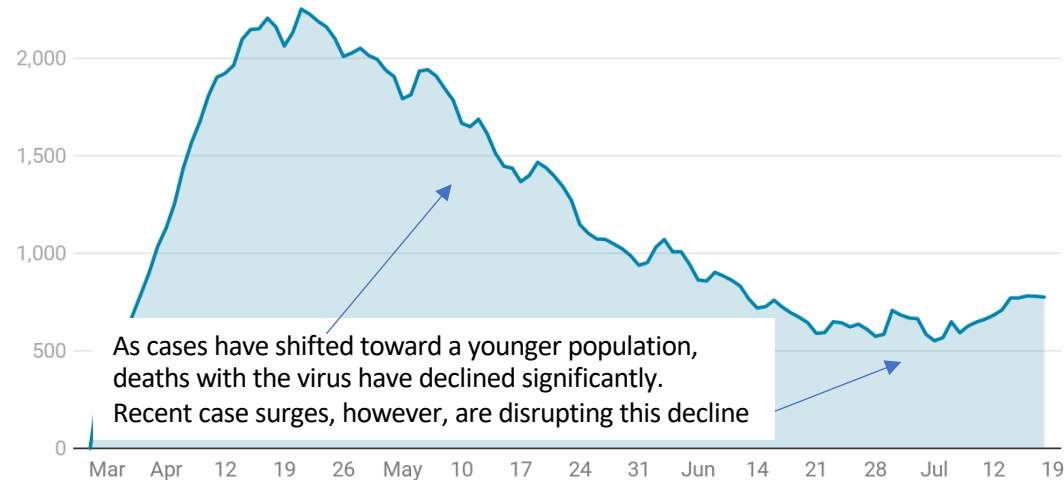
Health Industry Advisor LLC analysis

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

The recent increase in deaths is now beginning to stabilize;
Recoveries (40k/day) out-pacing deaths (770/day) this week

Deaths Recorded With Coronavirus in the U.S.

Trailing 7-Day Moving Average, As of July 18

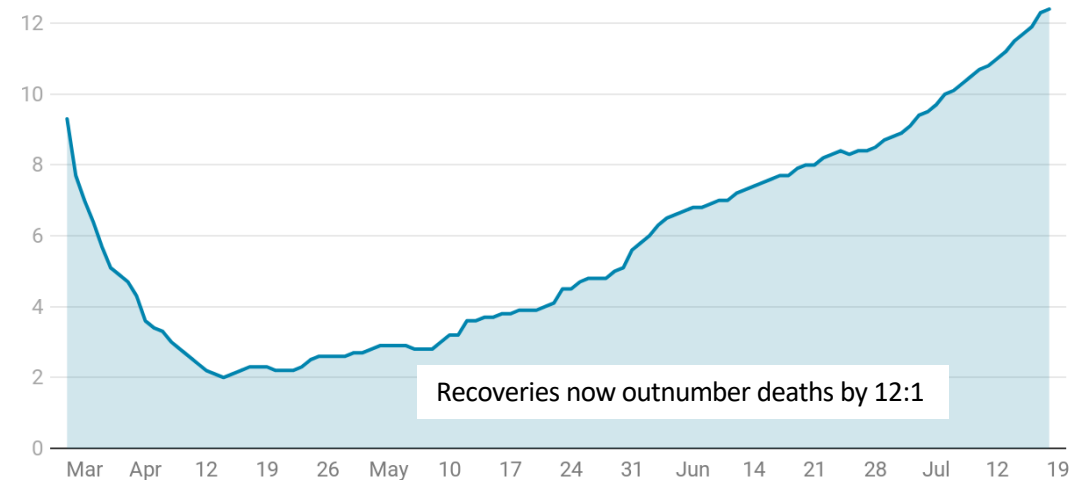


Health Industry Advisor LLC analysis

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

Recoveries: Deaths - United States

As of July 18



Health Industry Advisor LLC analysis

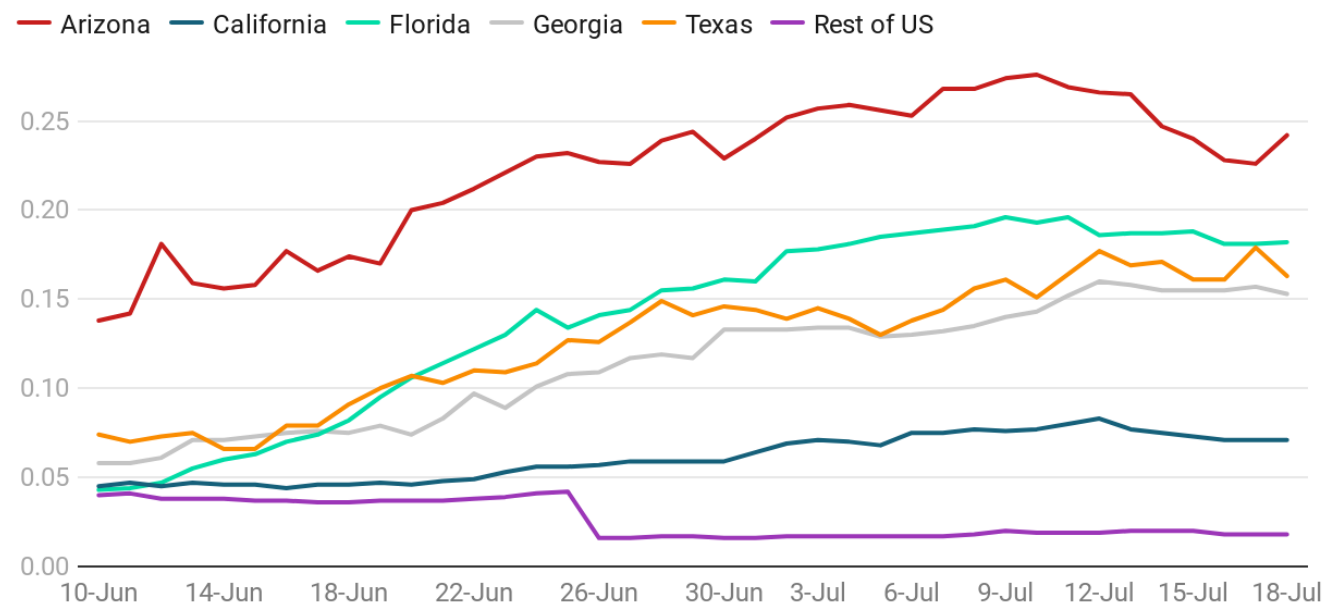
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Arizona, California, Florida, Georgia and Texas

Test-positive rates in hard-hit states are stabilizing or declining – a necessary but, insufficient condition for achieving containment

Test Positive Rate

Trailing 7-Day Moving Average, As of July 18



Health Industry Advisor LLC analysis

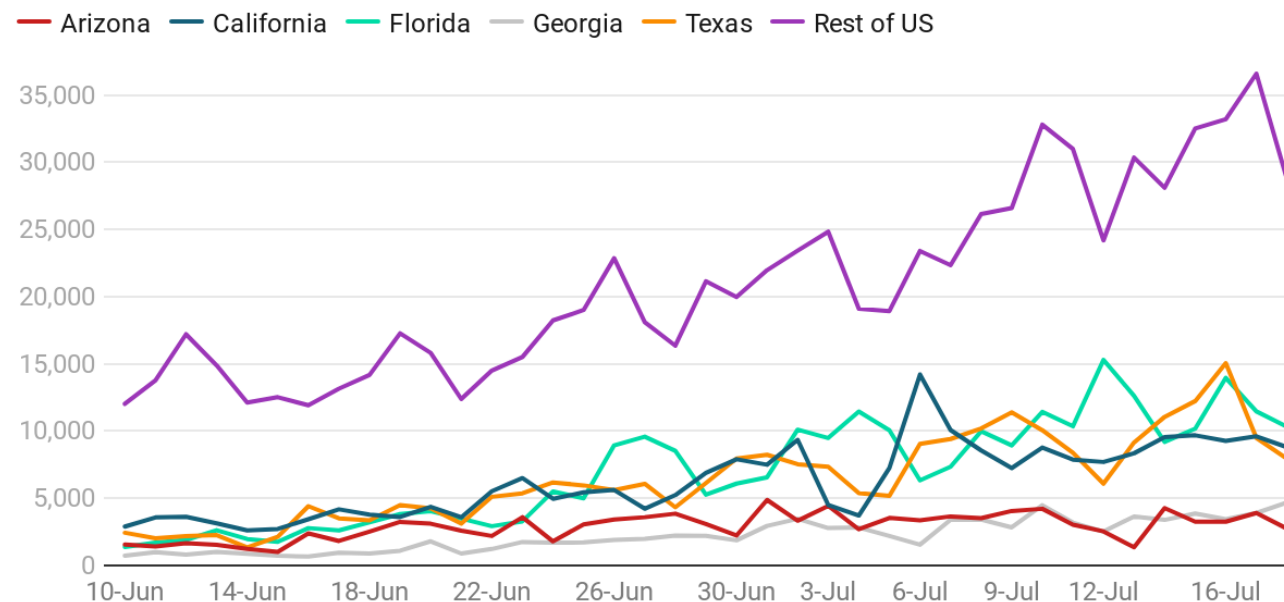
Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking Project • Created with Datawrapper

Arizona, California, Florida, Georgia and Texas

After 5 weeks of surging new cases, are we starting to experience a tapering? Or, is it simply a temporary respite?

New Daily Cases

June 10 - July 18



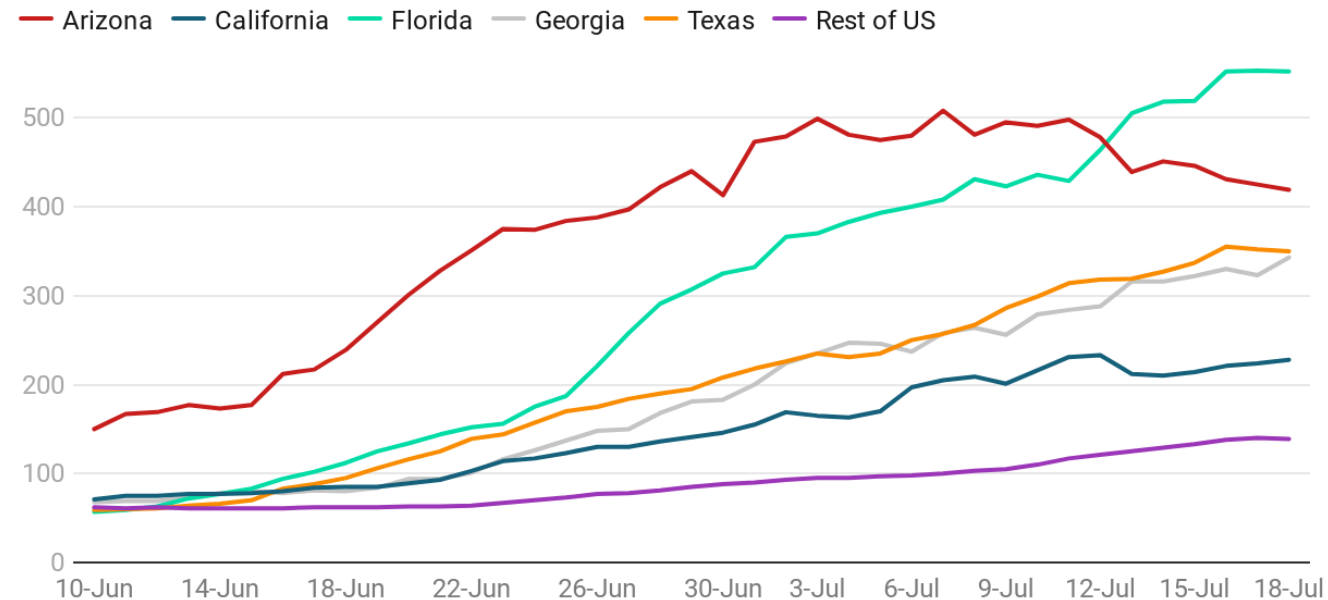
Health Industry Advisor LLC analysis

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

Infection rate improving in Arizona; Is the situation stabilizing in Florida & Texas?

New Daily Infections / 1 Million Population

Trailing 7-Day Moving Average, As of July 18



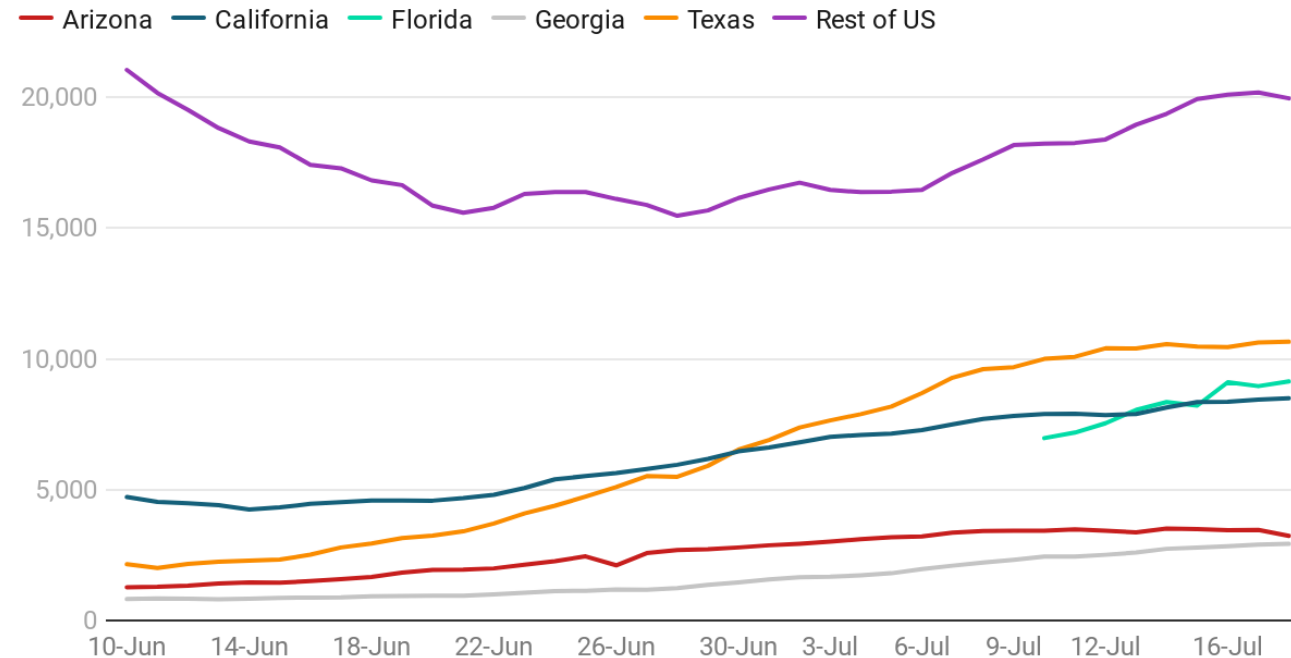
Health Industry Advisor LLC analysis

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

Arizona, California, Florida, Georgia and Texas

Hospitalizations: Is the experience of the past few days an indication that rates are stabilizing?

Hospitalized COVID-19 Patients



Health Industry Advisor LLC analysis, As of July 18

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

Worldwide Statistical Summary

Top 30 Countries By Total Cases
As of July 178

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	3,833,271	(1)	11,577	(3)	142,877	(1)	3.7%	(16)	431.5	(7)	2.0%	(9)	2,513	(3)	206.1	(2)
Brazil	2,075,246	(2)	9,760	(5)	78,817	(2)	3.8%	(15)	370.7	(9)	1.9%	(10)	227	(22)	157.5	(4)
India	1,077,864	(3)	781	(28)	26,828	(8)	2.5%	(21)	19.4	(27)	3.5%	(3)	220	(23)	23.5	(17)
Russia	765,437	(4)	5,245	(11)	12,247	(11)	1.6%	(24)	83.9	(17)	0.9%	(17)	1,927	(4)	43.9	(14)
South Africa	350,879	(5)	5,913	(10)	4,948	(20)	1.4%	(25)	83.4	(18)	4.0%	(2)	755	(13)	208.7	(1)
Peru	349,500	(6)	10,593	(4)	12,998	(10)	3.7%	(17)	394.0	(8)	1.1%	(13)	595	(15)	116.0	(7)
Mexico	331,298	(7)	2,568	(22)	38,310	(4)	11.6%	(4)	297.0	(11)	2.0%	(7)	93	(26)	46.7	(13)
Chile	328,846	(8)	17,195	(2)	8,445	(14)	2.6%	(19)	441.6	(6)	0.7%	(19)	855	(12)	125.6	(6)
Spain	307,335	(9)	6,573	(9)	28,420	(7)	9.2%	(5)	607.8	(2)	0.3%	(24)	892	(10)	19.4	(18)
UK	294,066	(10)	4,331	(12)	45,273	(3)	15.4%	(2)	666.7	(1)	0.3%	(25)	2,797	(1)	10.8	(22)
Iran	271,606	(11)	3,232	(17)	13,979	(9)	5.1%	(10)	166.3	(13)	0.9%	(16)	299	(20)	28.0	(16)
Pakistan	261,916	(12)	1,185	(26)	5,522	(17)	2.1%	(22)	25.0	(25)	0.8%	(18)	103	(25)	10.1	(23)
Saudi Arabia	248,416	(13)	7,131	(7)	2,447	(26)	1.0%	(27)	70.2	(19)	1.1%	(14)	1,623	(5)	77.6	(10)
Italy	244,216	(14)	4,039	(14)	35,042	(5)	14.3%	(3)	579.6	(3)	0.1%	(29)	714	(14)	3.3	(29)
Turkey	218,717	(15)	2,592	(21)	5,475	(18)	2.5%	(20)	64.9	(20)	0.4%	(20)	510	(16)	11.4	(21)
Germany	202,572	(16)	2,417	(23)	9,162	(12)	4.5%	(13)	109.3	(15)	0.2%	(28)	866	(11)	4.7	(28)
Bangladesh	202,066	(17)	1,226	(25)	2,581	(25)	1.3%	(26)	15.7	(28)	1.6%	(11)	74	(28)	18.2	(19)
Colombia	190,700	(18)	3,746	(15)	6,516	(15)	3.4%	(18)	128.0	(14)	4.3%	(1)	504	(17)	127.2	(5)
France	174,674	(19)	2,676	(20)	30,152	(6)	17.3%	(1)	461.9	(5)	0.3%	(26)	2,701	(2)	8.6	(25)
Argentina	122,524	(20)	2,710	(19)	2,220	(27)	1.8%	(23)	49.1	(23)	3.5%	(4)	239	(21)	79.0	(9)
Canada	109,999	(21)	2,913	(18)	8,848	(13)	8.0%	(6)	234.3	(12)	0.3%	(23)	1,127	(8)	10.0	(24)
Qatar	106,308	(22)	37,862	(1)	154	(30)	0.1%	(30)	54.8	(21)	0.4%	(21)	1,516	(6)	161.8	(3)
Iraq	90,220	(23)	2,241	(24)	3,691	(24)	4.1%	(14)	91.7	(16)	2.5%	(6)	374	(18)	53.3	(11)
Egypt	87,172	(24)	851	(27)	4,251	(22)	4.9%	(11)	41.5	(24)	1.0%	(15)	(0)	(30)	8.4	(26)
Indonesia	84,882	(25)	310	(29)	4,016	(23)	4.7%	(12)	14.7	(29)	2.0%	(8)	85	(27)	5.7	(27)
China	83,644	(26)	58	(30)	4,634	(21)	5.5%	(9)	3.2	(30)	0.0%	(30)	-	(29)	0.0	(30)
Sweden	77,281	(27)	7,650	(6)	5,619	(16)	7.3%	(7)	556.2	(4)	0.4%	(22)	1,156	(7)	33.7	(15)
Ecuador	73,382	(28)	4,156	(13)	5,282	(19)	7.2%	(8)	299.2	(10)	1.4%	(12)	170	(24)	49.9	(12)
Kazakhstan	68,703	(29)	3,657	(16)	375	(29)	0.5%	(29)	20.0	(26)	2.8%	(5)	324	(19)	93.1	(8)
Belarus	65,953	(30)	6,980	(8)	495	(28)	0.8%	(28)	52.4	(22)	0.3%	(27)	905	(9)	17.9	(20)

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

As of July 178

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	65,234	(19)	13,304.4	(12)	1,286	(23)	2.0%	(31)	262.3	(22)	3.3%	(7)	2,112	(19)	387.1	(3)
Alaska	1,795	(49)	2,453.7	(48)	18	(51)	1.0%	(49)	24.6	(50)	3.1%	(9)	4,879	(1)	80.1	(34)
Arizona	141,265	(7)	19,408.0	(3)	2,730	(16)	1.9%	(32)	375.1	(15)	2.7%	(14)	1,727	(36)	418.7	(2)
Arkansas	32,533	(31)	10,780.3	(22)	357	(37)	1.1%	(48)	118.3	(38)	2.4%	(19)	2,052	(21)	221.0	(13)
California	382,968	(2)	9,692.4	(24)	7,702	(4)	2.0%	(30)	194.9	(28)	2.6%	(16)	3,223	(7)	227.7	(12)
Colorado	39,788	(26)	6,909.2	(36)	1,752	(18)	4.4%	(12)	304.2	(16)	1.3%	(32)	1,114	(48)	79.3	(36)
Connecticut	47,893	(21)	13,433.1	(11)	4,396	(9)	9.2%	(1)	1,233.0	(3)	0.2%	(51)	2,875	(10)	24.3	(47)
Delaware	13,429	(40)	13,790.8	(10)	523	(34)	3.9%	(17)	537.1	(12)	0.8%	(41)	2,441	(14)	100.6	(29)
District Of Columbia	11,194	(41)	15,861.2	(7)	578	(32)	5.2%	(9)	819.0	(6)	0.5%	(44)	4,232	(2)	79.6	(35)
Florida	337,569	(3)	15,717.2	(8)	4,898	(8)	1.5%	(42)	228.1	(25)	3.6%	(6)	3,038	(8)	552.5	(1)
Georgia	139,872	(8)	13,173.8	(13)	3,168	(13)	2.3%	(26)	298.4	(17)	3.0%	(11)	2,246	(17)	342.7	(8)
Hawaii	1,354	(50)	956.3	(51)	24	(50)	1.8%	(37)	17.0	(51)	1.7%	(30)	1,086	(49)	15.5	(49)
Idaho	14,302	(38)	7,980.7	(33)	119	(42)	0.8%	(50)	66.4	(45)	4.6%	(2)	1,607	(40)	302.7	(11)
Illinois	161,785	(6)	12,767.3	(16)	7,483	(5)	4.6%	(11)	590.5	(9)	0.7%	(42)	3,025	(9)	86.7	(33)
Indiana	55,654	(20)	8,266.8	(28)	2,820	(15)	5.1%	(10)	418.9	(14)	1.4%	(31)	1,195	(46)	97.1	(32)
Iowa	38,041	(27)	12,057.1	(17)	789	(29)	2.1%	(27)	250.1	(23)	1.3%	(33)	1,601	(41)	153.2	(18)
Kansas	22,223	(34)	7,628.1	(34)	306	(38)	1.4%	(43)	105.0	(41)	1.9%	(28)	1,548	(42)	163.4	(17)
Kentucky	22,184	(35)	4,965.4	(42)	667	(30)	3.0%	(24)	149.3	(33)	2.5%	(18)	1,672	(38)	97.9	(31)
Louisiana	88,590	(12)	19,056.6	(4)	3,511	(11)	4.0%	(16)	755.2	(7)	2.1%	(23)	3,672	(3)	362.2	(4)
Maine	3,646	(46)	2,712.4	(47)	117	(43)	3.2%	(22)	87.0	(43)	0.5%	(45)	1,754	(33)	13.4	(50)
Maryland	77,206	(14)	12,770.4	(15)	3,368	(12)	4.4%	(13)	557.1	(10)	1.0%	(38)	2,167	(18)	112.0	(25)
Massachusetts	113,238	(9)	16,294.4	(6)	8,419	(3)	7.4%	(5)	1,211.5	(4)	0.3%	(48)	1,655	(39)	37.8	(45)
Michigan	81,338	(13)	8,144.5	(30)	6,364	(7)	7.8%	(3)	637.2	(8)	1.1%	(36)	2,603	(12)	71.1	(38)
Minnesota	45,470	(23)	8,062.6	(31)	1,578	(20)	3.5%	(18)	279.8	(19)	1.2%	(35)	2,378	(15)	98.8	(30)
Mississippi	41,846	(24)	14,060.5	(9)	1,346	(22)	3.2%	(21)	452.3	(13)	2.7%	(15)	2,061	(20)	308.5	(10)

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As of July 178

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	34,461	(29)	5,614.9	(41)	1,164	(24)	3.4%	(20)	189.7	(30)	2.8%	(12)	1,777	(32)	133.0	(21)
Montana	2,471	(47)	2,312.0	(49)	37	(48)	1.5%	(40)	34.6	(49)	6.0%	(1)	2,475	(13)	106.1	(28)
Nebraska	22,481	(33)	11,621.6	(18)	301	(39)	1.3%	(44)	155.6	(32)	1.0%	(37)	2,016	(26)	109.5	(27)
Nevada	34,477	(28)	11,193.3	(20)	646	(31)	1.9%	(33)	209.7	(27)	3.9%	(3)	1,916	(29)	354.3	(6)
New Hampshire	6,188	(43)	4,551.0	(43)	396	(36)	6.4%	(7)	291.2	(18)	0.4%	(46)	996	(51)	17.2	(48)
New Jersey	182,936	(5)	20,595.8	(2)	15,776	(2)	8.6%	(2)	1,776.1	(1)	0.2%	(50)	1,933	(28)	36.4	(46)
New Mexico	16,736	(37)	7,981.6	(32)	569	(33)	3.4%	(19)	271.4	(20)	1.8%	(29)	3,319	(6)	133.7	(20)
New York	433,314	(1)	22,274.3	(1)	32,552	(1)	7.5%	(4)	1,673.3	(2)	0.2%	(49)	3,367	(5)	47.8	(44)
North Carolina	97,958	(11)	9,339.9	(25)	1,651	(19)	1.7%	(38)	157.4	(31)	2.2%	(21)	2,766	(11)	192.6	(15)
North Dakota	4,907	(45)	6,439.1	(37)	90	(46)	1.8%	(34)	118.1	(39)	2.0%	(25)	1,999	(27)	124.5	(22)
Ohio	73,859	(17)	6,318.6	(39)	3,138	(14)	4.2%	(14)	268.5	(21)	2.0%	(26)	1,899	(30)	117.7	(24)
Oklahoma	25,056	(32)	6,332.1	(38)	451	(35)	1.8%	(36)	114.0	(40)	3.8%	(4)	2,019	(25)	190.5	(16)
Oregon	14,149	(39)	3,354.6	(45)	257	(40)	1.8%	(35)	60.9	(46)	2.6%	(17)	1,308	(43)	77.8	(37)
Pennsylvania	104,780	(10)	8,184.7	(29)	7,079	(6)	6.8%	(6)	553.0	(11)	0.9%	(40)	1,120	(47)	61.9	(43)
Rhode Island	17,793	(36)	16,796.0	(5)	990	(26)	5.6%	(8)	934.5	(5)	0.3%	(47)	1,692	(37)	64.9	(41)
South Carolina	67,612	(18)	13,131.8	(14)	1,135	(25)	1.7%	(39)	220.4	(26)	3.1%	(10)	2,051	(22)	358.3	(5)
South Dakota	7,862	(42)	8,887.0	(27)	116	(44)	1.5%	(41)	131.1	(36)	0.9%	(39)	1,234	(45)	65.9	(40)
Tennessee	76,336	(16)	11,171.4	(21)	838	(28)	1.1%	(47)	122.6	(37)	3.2%	(8)	3,482	(4)	320.5	(9)
Texas	330,501	(4)	11,398.2	(19)	4,007	(10)	1.2%	(45)	138.2	(35)	3.8%	(5)	2,035	(24)	350.0	(7)
Utah	33,332	(30)	10,396.9	(23)	243	(41)	0.7%	(51)	75.8	(44)	2.1%	(22)	2,268	(16)	199.5	(14)
Vermont	1,338	(51)	2,144.3	(50)	56	(47)	4.2%	(15)	89.7	(42)	0.6%	(43)	1,239	(44)	12.6	(51)
Virginia	76,373	(15)	8,947.7	(26)	2,025	(17)	2.7%	(25)	237.2	(24)	1.3%	(34)	1,730	(35)	110.3	(26)
Washington	47,137	(22)	6,190.1	(40)	1,451	(21)	3.1%	(23)	190.5	(29)	2.0%	(27)	1,861	(31)	119.1	(23)
West Virginia	4,922	(44)	2,754.1	(46)	100	(45)	2.0%	(29)	56.0	(47)	2.7%	(13)	1,734	(34)	62.0	(42)
Wisconsin	41,485	(25)	7,125.0	(35)	843	(27)	2.0%	(28)	144.8	(34)	2.3%	(20)	2,040	(23)	142.5	(19)
Wyoming	2,108	(48)	3,642.3	(44)	24	(50)	1.1%	(46)	41.5	(48)	2.1%	(24)	1,017	(50)	66.4	(39)
United States	3,833,271		11,580.8		142,877		3.7%		431.5		2.0%		2,333		206.1	

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

- The Atlantic's Covid Tracking Project: <https://covidtracking.com>
- Worldometers.info: <https://www.worldometers.info/coronavirus/>
- Centers for Disease Control, National, Regional, and State Level Outpatient Illness and Viral Surveillance <https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>
- Centers for Disease Control, COVID-19 Laboratory-Confirmed Hospitalizations https://gis.cdc.gov/grasp/COVIDNet/COVID19_5.html
- Centers for Disease Control, COVID Data Tracker <https://www.cdc.gov/covid-data-tracker/index.html#mobility>
- Institute for Health Metrics and Evaluation, COVID-19 estimate downloads <http://www.healthdata.org/covid/data-downloads>
- New York Times, Covid-19 data <https://github.com/nytimes/covid-19-data>
- COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University <https://github.com/CSSEGISandData/COVID-19>