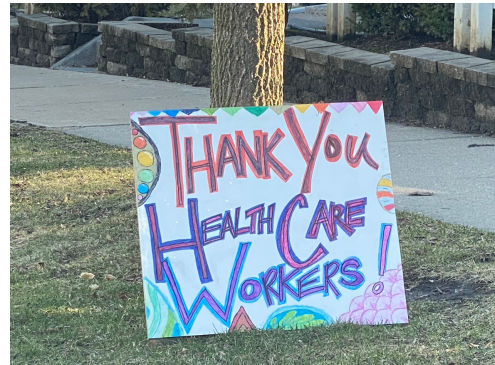
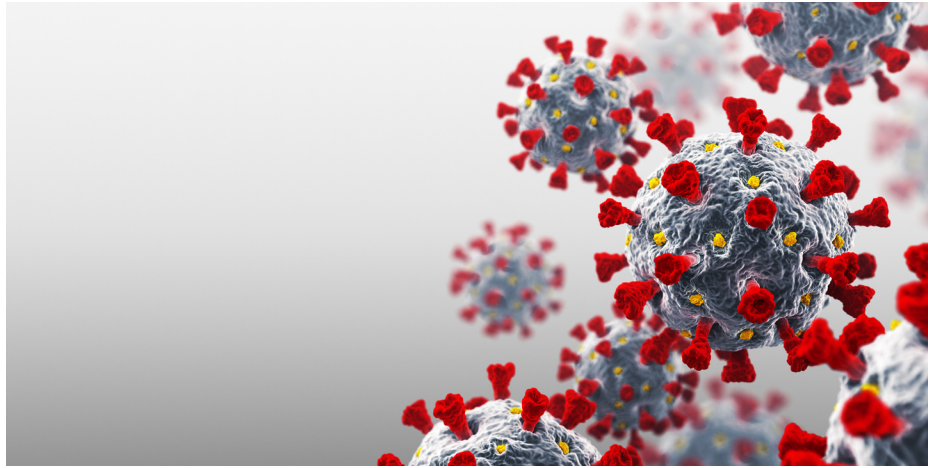
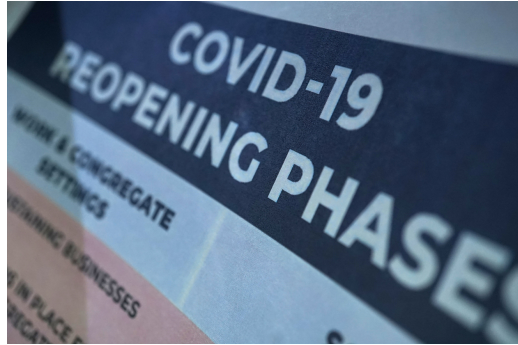




COVID-19 Report

Issue # 120

Thursday, July 30, 2020

- Brazil's struggles with the virus continued:
 - For the first time, Brazil experienced more new cases than any other country yesterday - exceeding even the United States
 - Brazil also reported more deaths with the virus than any other country
 - The new infection rate per capita set a new high yesterday; this rate surpassed that of the US last week and ranks 4th highest in the world
- Sweden and Israel are trending in opposite directions:
 - At the beginning of July, Israel's new infection rate was 1/2 that of the US; it now is about the same
 - Sweden's rate has fallen by more than 80% during July and now ranks 68th in the world
- As hospital census of COVID-19 patients stabilizes or declines in the U.S., several important trends have emerged:
 - 18-49 year-olds now represent the largest cohort of these patients, outnumbering the elderly; Contrast that with the situation in April, when nearly 50% of these patients were 65+ years old
 - Few patients (<3%) are under 18 years old
 - The % of active cases requiring hospitalization is low and declining (about 2.1%, down from 3.2% two weeks ago)
 - In addition to the reduced strain on inpatient beds, COVID-19 visits are placing a lessened strain on ERs
 - Nonetheless, of the patients hospitalized, greater % are in the ICU or on ventilators
- Deaths with the coronavirus in the U.S. are increasing, an expected result of the recent surge in new cases. Notable findings:
 - Persons under 25 years old comprise a very small % of deaths with the virus in the U.S.
 - Among Non-Hispanic whites, 3-in-4 deaths were persons 75 or older; fewer than 1-in-10 were under 4 years old
 - Among Hispanic and Latino persons, the age distribution trended younger than for other races/ethnicities
 - The most notable difference between non-Hispanic whites and other groups was in the 85 and older age cohort: for non-Hispanic whites, this age accounted for 44% of deaths; for Hispanic/Latino and non-Hispanic Blacks, it was 17% and 20%, respectively
- Progress continued in the United States, excepting for the rise in deaths:
 - The test-positive rate continues to decline
 - New cases are declining week-over-week
 - The new daily infection rate is now ten days past its peak; only 6 states recorded a new high rate yesterday
 - Seven of the ten states with the highest rates of new daily infections saw this rate decline over the past week. States that have high and increasing rates: Georgia, Mississippi and Tennessee

New cases and deaths in Brazil exceeded those in the United States yesterday

New Cases

July 29

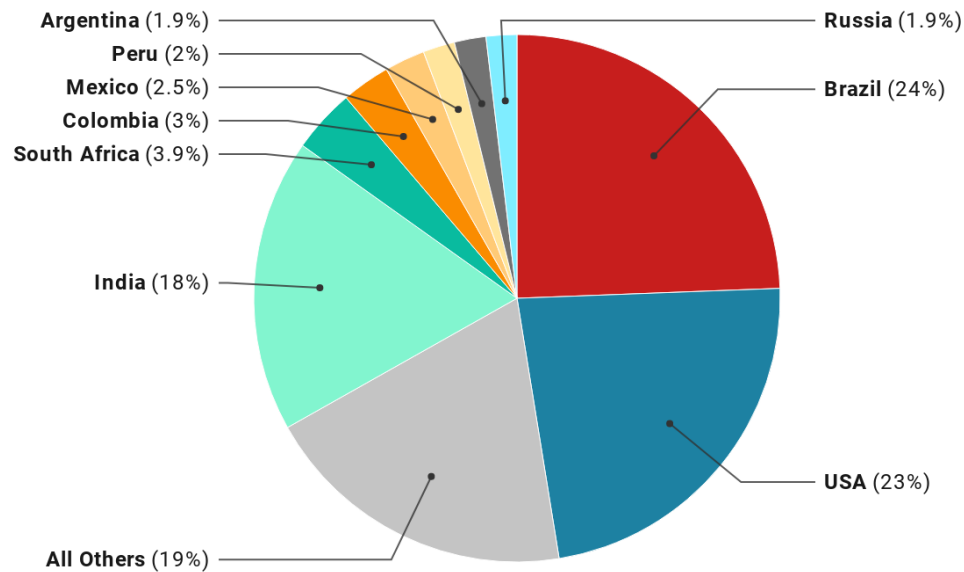


Chart: Health Industry Advisor LLC • Source: worlomeers.info • Created with Datawrapper

New Deaths

July 29

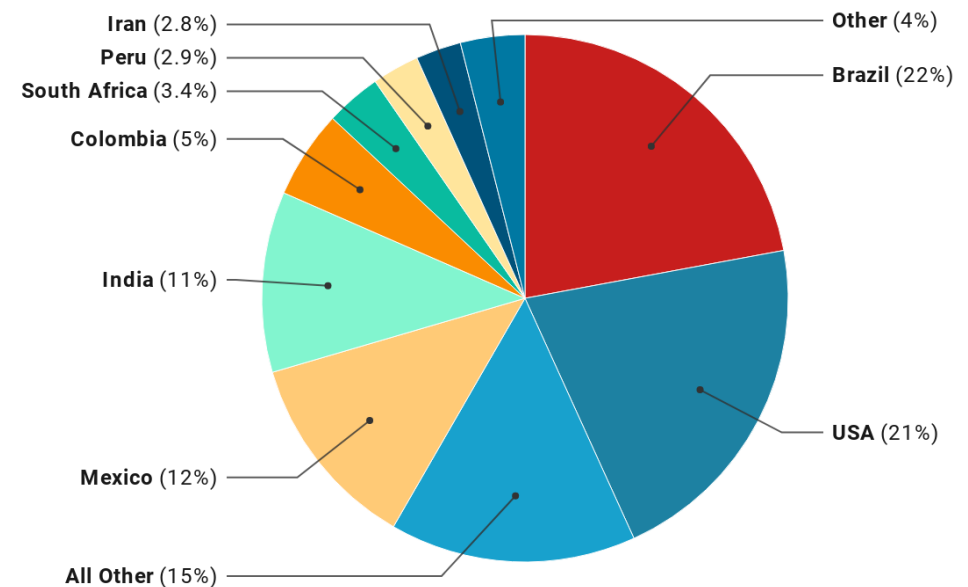


Chart: Health Industry Advisor LLC • Source: worlomeers.info • Created with Datawrapper

While the infection rate has declined in Sweden and stabilized in the US, it continues to rise in Brazil and Israel

New Daily Infections / Million Population

Trailing 7-Day Moving Average

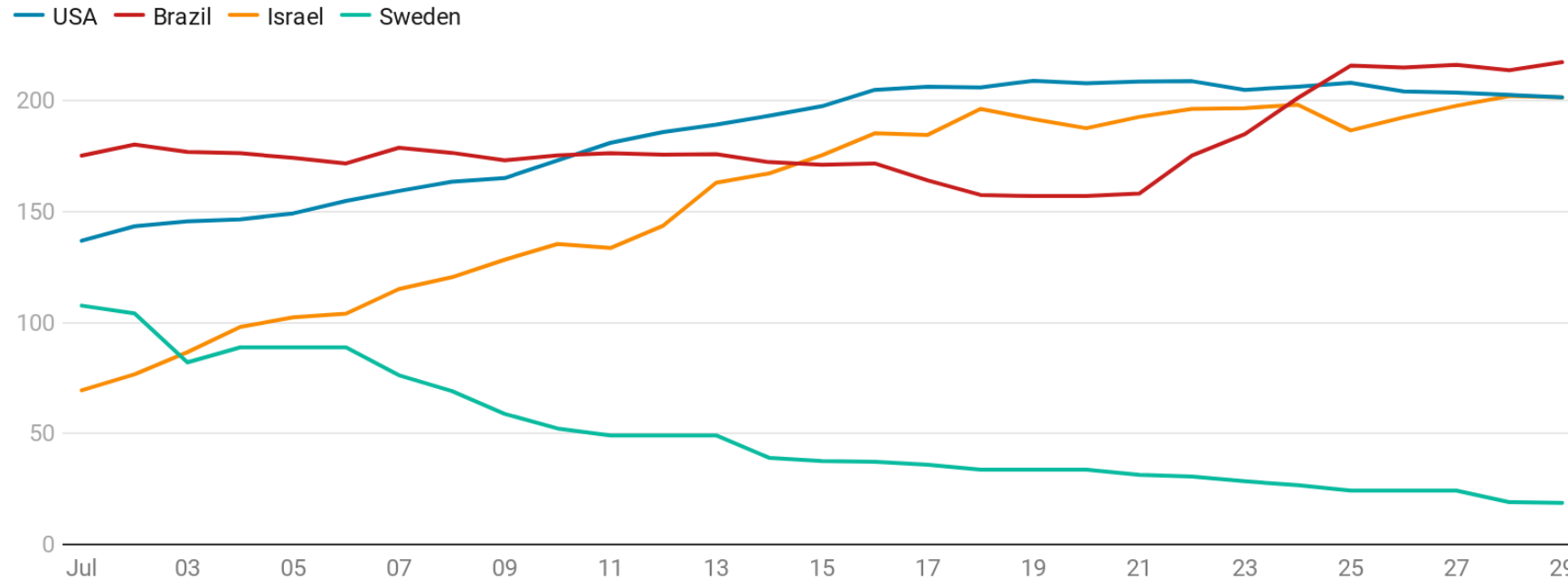


Chart: Health Industry Advisor LLC • Created with Datawrapper

New Daily Infections / Million Population

Trailing 7-Day Moving Average

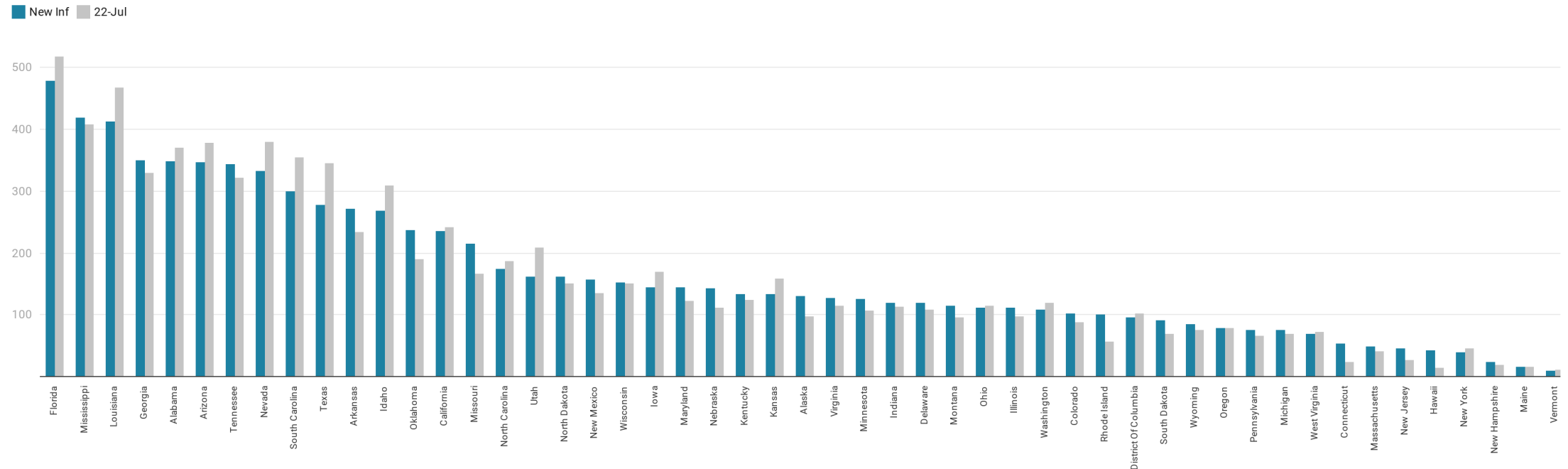
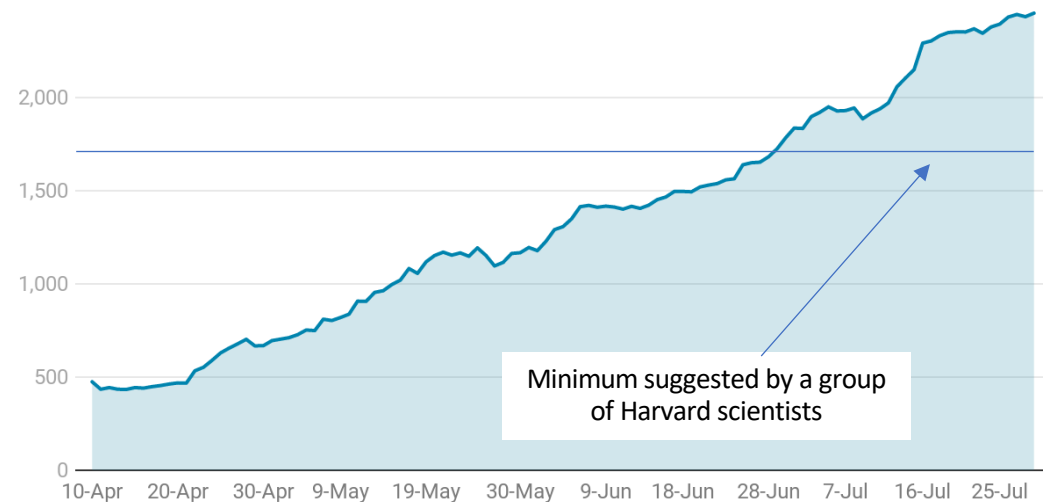


Chart: Health Industry Advisor LLC • Created with Datawrapper

Testing volume increased on Wednesday and is up 7% week-over-week; test-positive rate continued to decline on a week-over-week basis

Daily Tests Per 1 Million - United States

Trailing 7-Day Moving Average, As of July 29

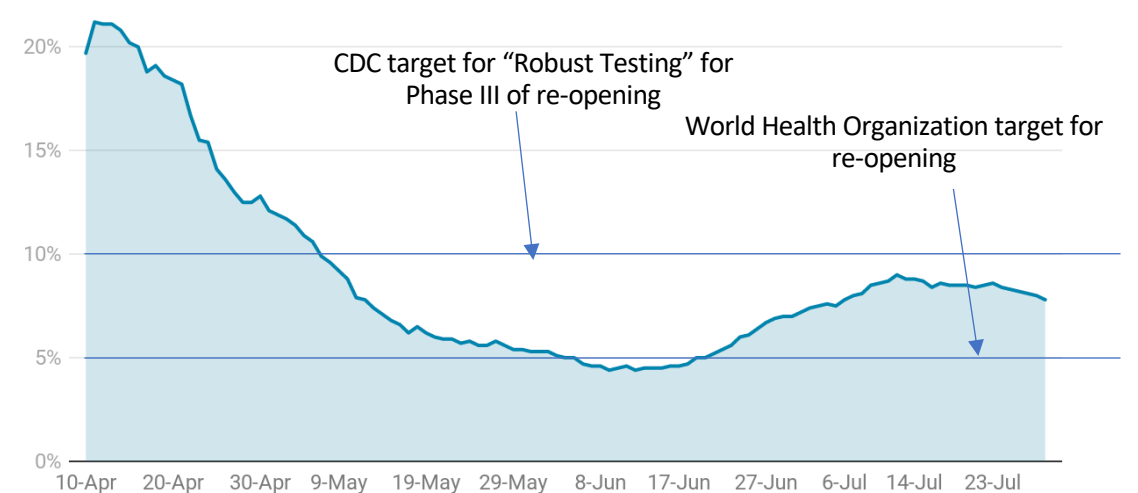


Health Industry Advisor LLC analysis

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 29



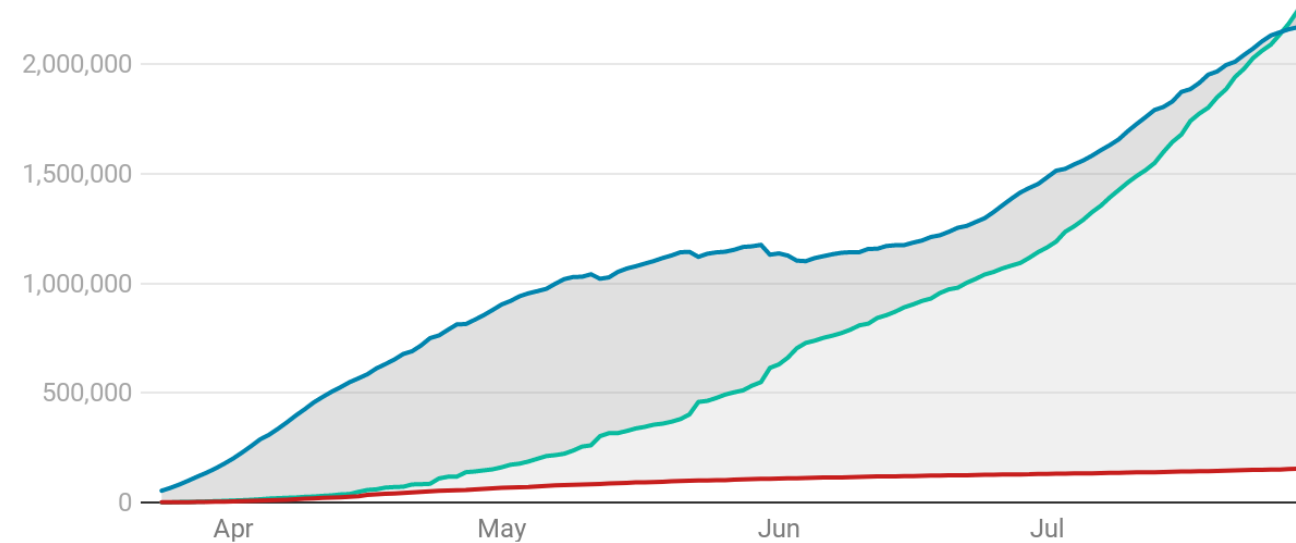
Health Industry Advisor LLC analysis

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

Active Cases v. Recoveries & Deaths

As of July 29

— Active Cases — Recoveries — Deaths



Health Industry Advisor LLC analysis

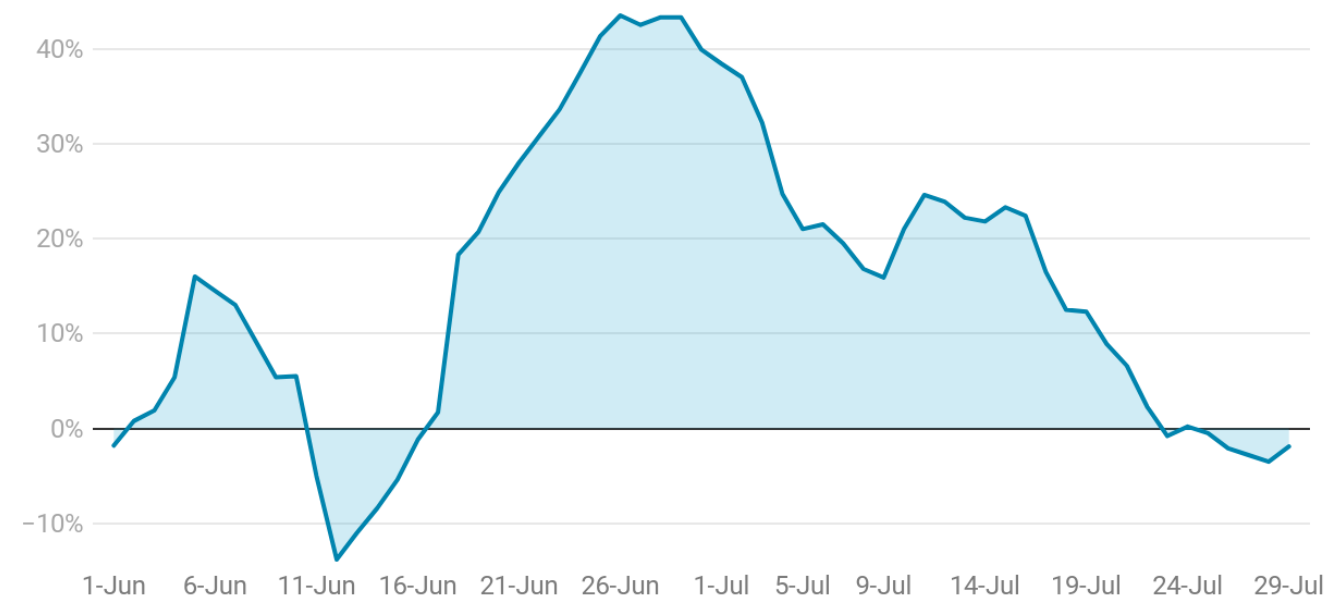
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

United States

Leading Indicator: After weeks of slower growth, new cases have now declined 1.9% on a week-over-week basis

Week-Over-Week Change In New Cases

United States, As of July 29



Health Industry Advisor LLC analysis

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

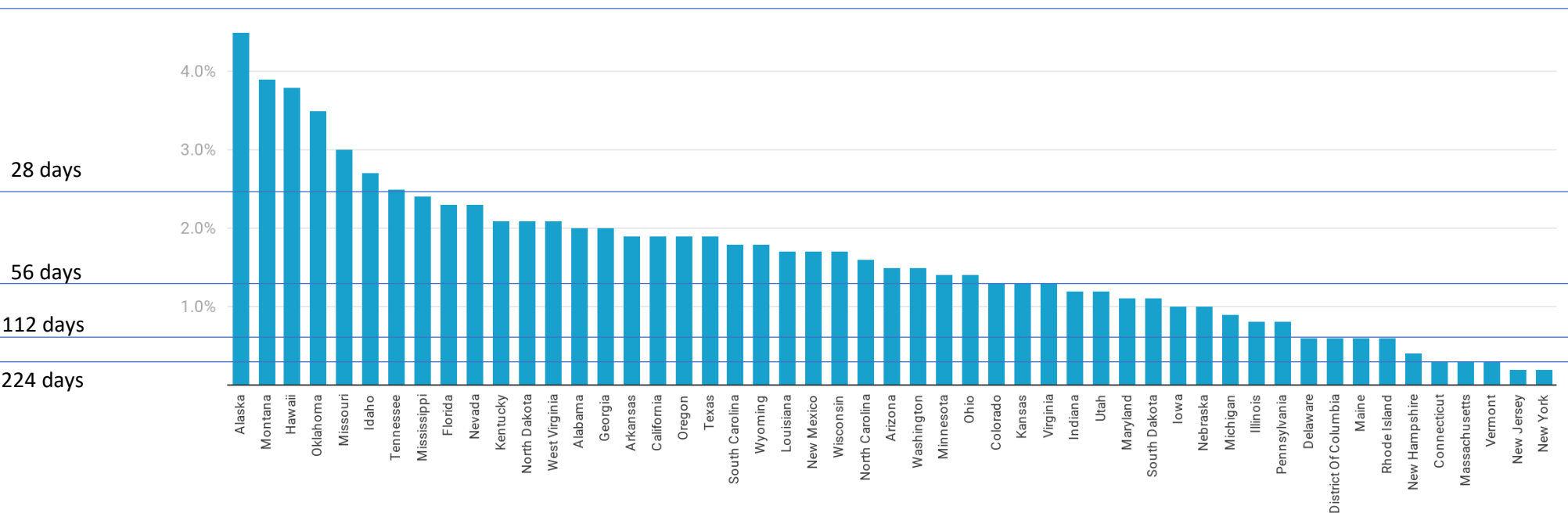
State-By-State

At current rates, cases are doubling every 15-16 days in Alaska; every 420 days in New York; 47-48 for the United States overall

Growth Rate in Total Cases

Trailing 5-Day Moving Average, As of July 29

14 days to double

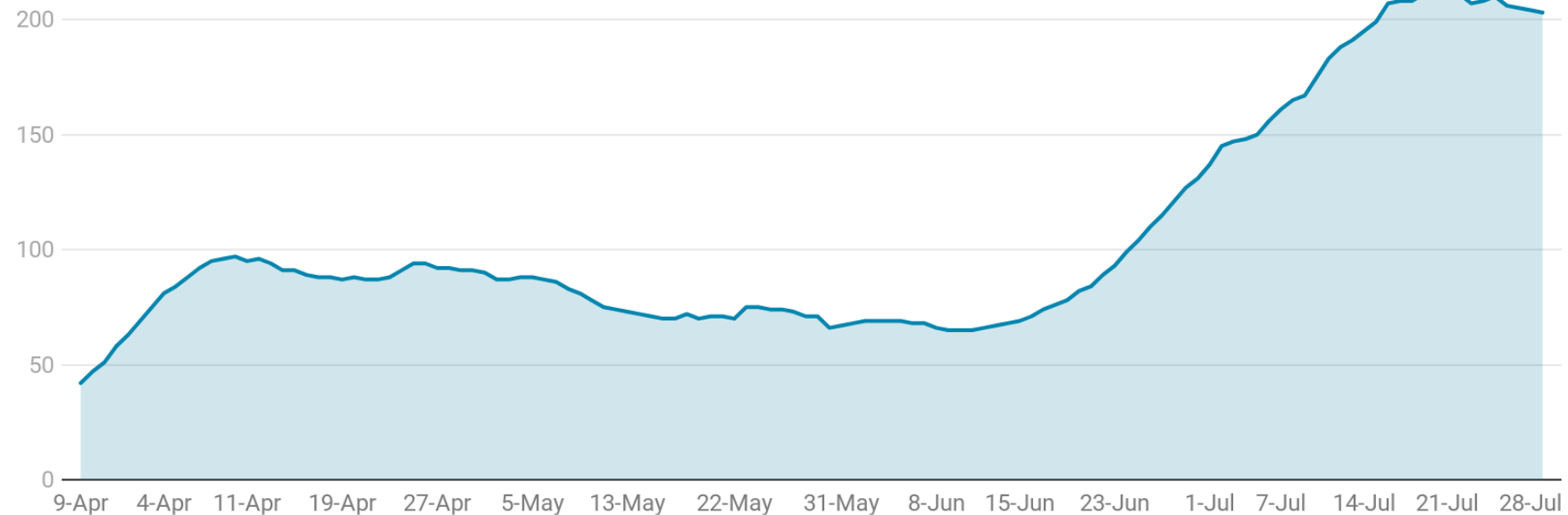


Health Industry Advisor LLC analysis

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

New Infections Per 1 Million Population - United States

Trailing 7-Day Moving Average, As of July 29



Health Industry Advisor LLC analysis

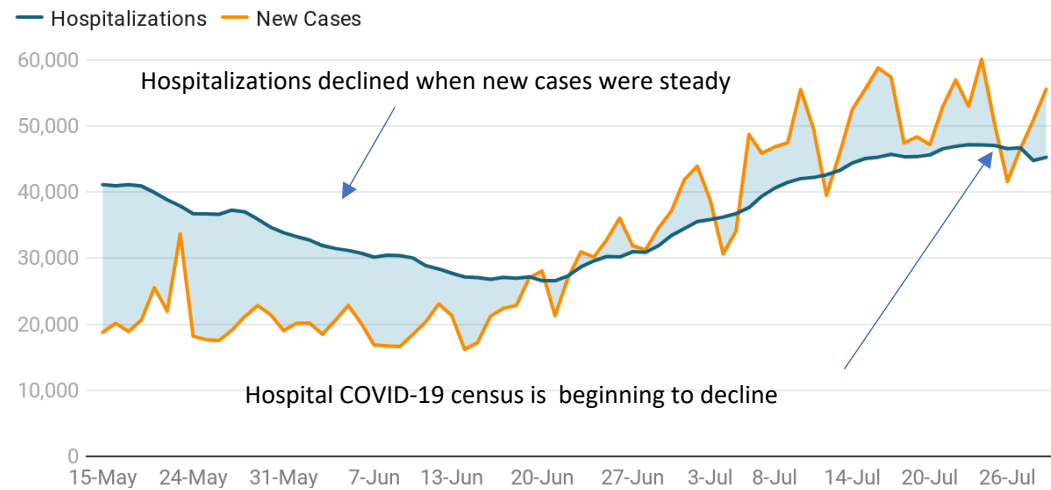
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Over the past week, COVID-19 hospital census has declined; Patients in the ICU and on ventilators are increasing

COVID-19 stress on hospital beds is easing somewhat

Hospitalizations v. New Cases

As of July 29



Health Industry Advisor LLC analysis

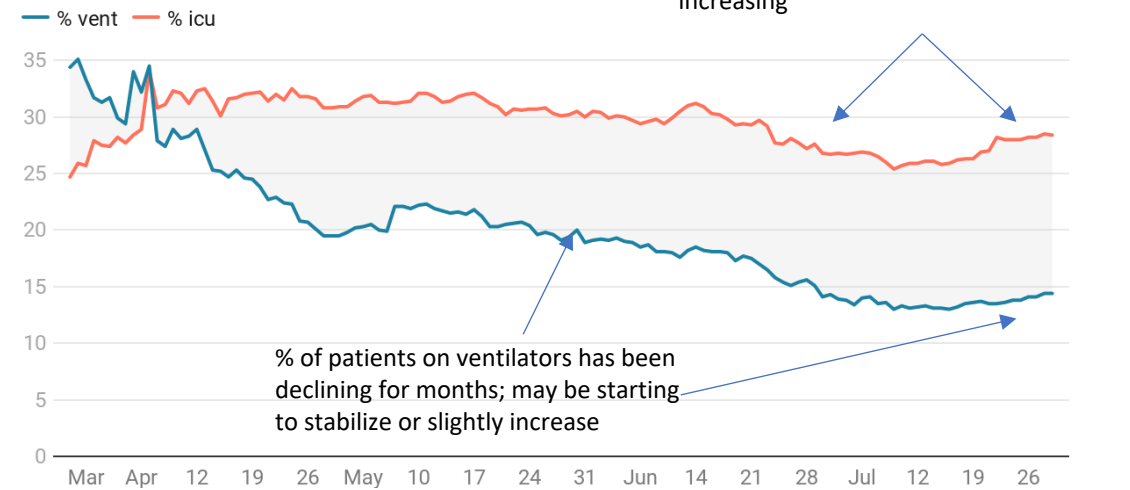
Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking Project • Created with Datawrapper

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

Yet, more patients require ICU or ventilator care

Severity of Hospitalized Patients

% of patients on ventilators and in the ICU, As of July 29



Health Industry Advisor LLC analysis

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

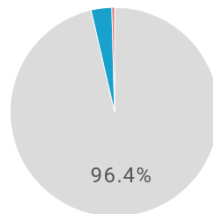
Rate of Hospitalization of Active Cases Has Declined Over the Past Few Weeks, as is the % of ER Visits for COVID-Like Illnesses. Less than 0.5% of cases are in the ICU

The vast majority of cases are being managed outside of the hospital

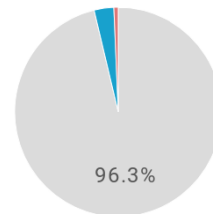
Distribution of Active Cases

As of July 29

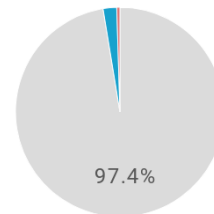
Non-Hospital
Hospital
ICU



15-Jul
Hospital:
3.2%



22-Jul
Hospital:
3.1%



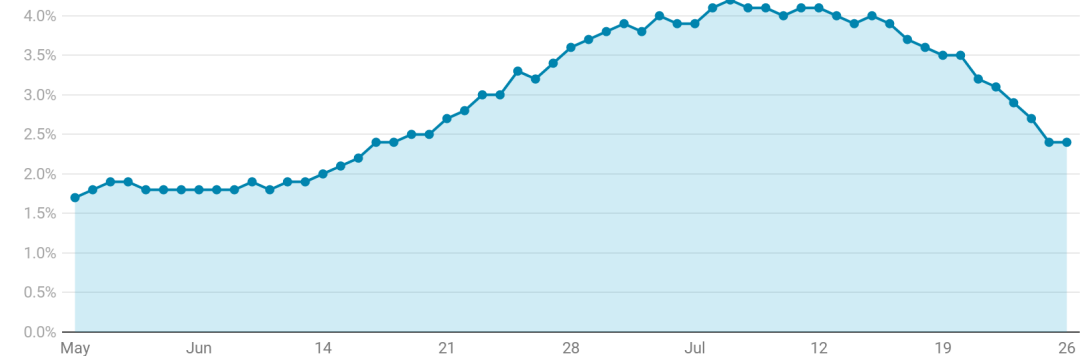
29-Jul
Hospital:
2.1%

Chart: Health Industry Advisor LLC • Created with Datawrapper

COVID-19 cases stress on ERS is diminishing

% of Emergency Department Visits for COVID-Like Illness

As of July 26



Health Industry Advisor LLC analysis

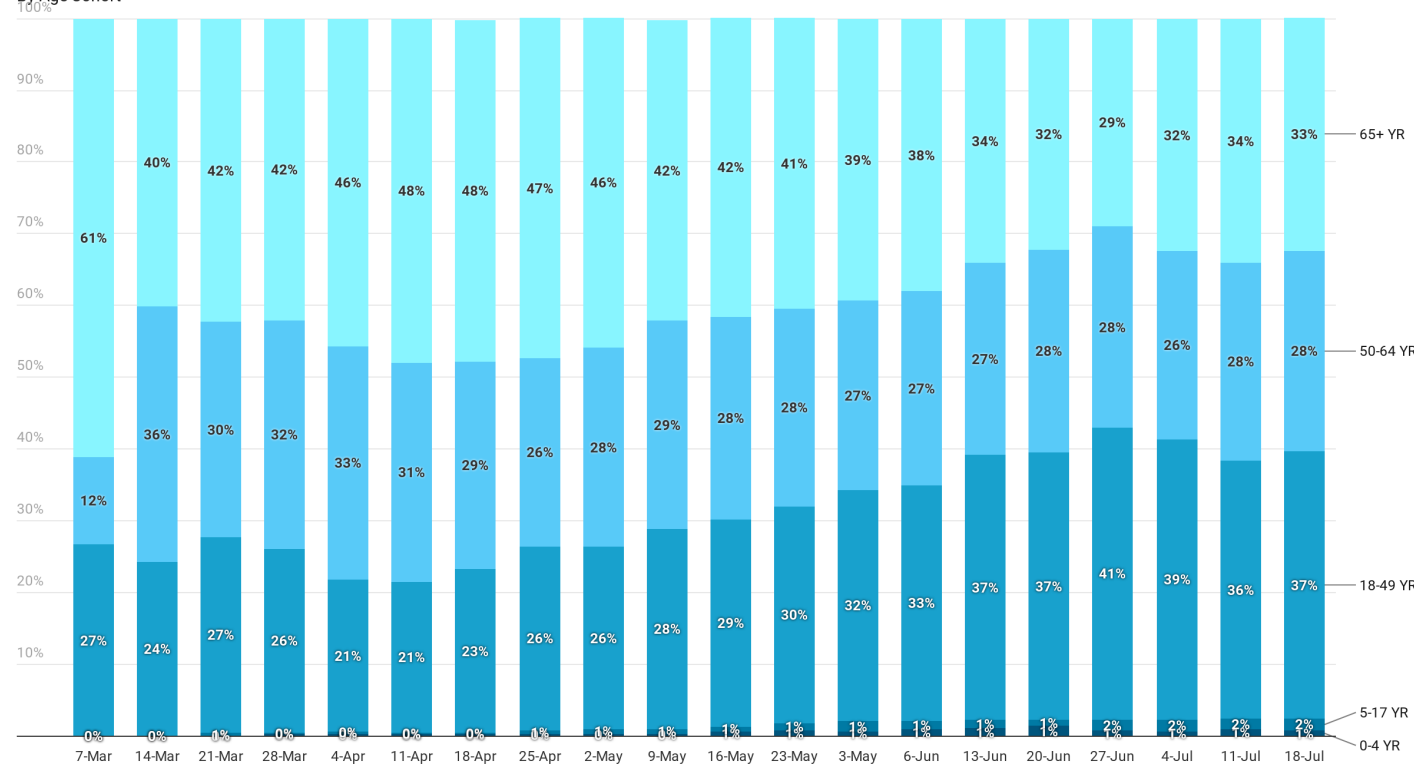
Chart: Health Industry Advisor LLC • Source: Centers for Disease Control • Created with Datawrapper

Hospital Census: COVID-19 Patients

18-49-year-olds occupy more beds, as the % of older patients has declined. Relatively few patients under 18 years old

Hospital Census: COVID-19 Patients

By Age Cohort

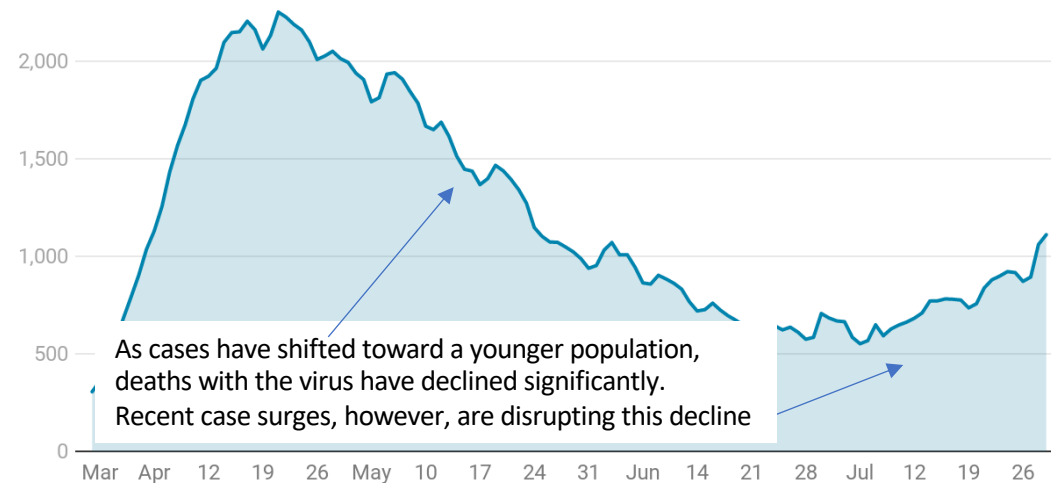


Horizontal axis is week ending date

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

Deaths Recorded With Coronavirus in the U.S.

Trailing 7-Day Moving Average, As of July 29

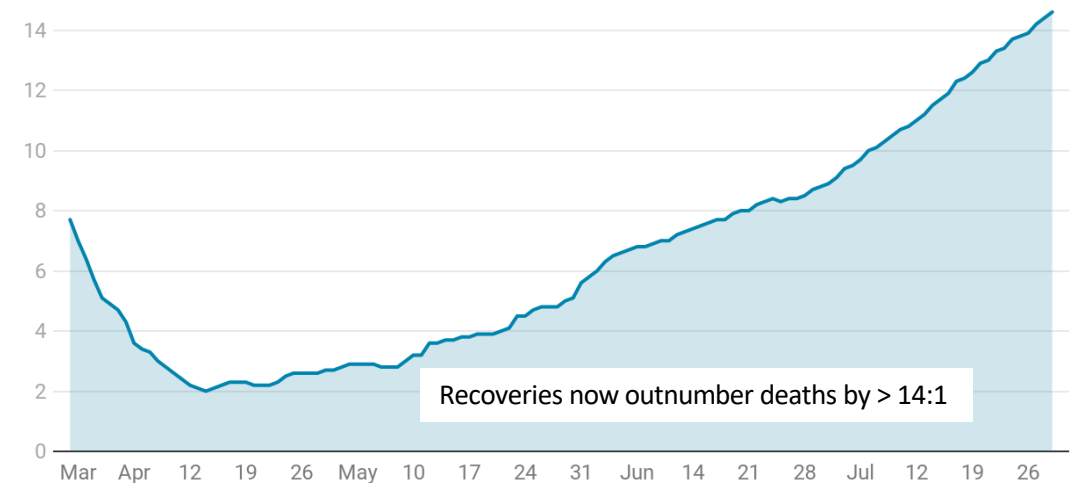


Health Industry Advisor LLC analysis

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

Recoveries: Deaths - United States

As of July 29

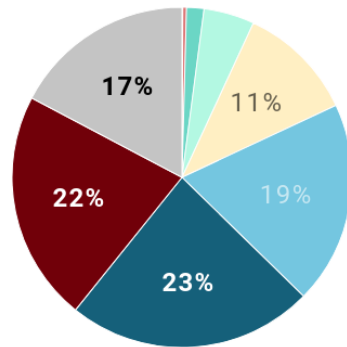
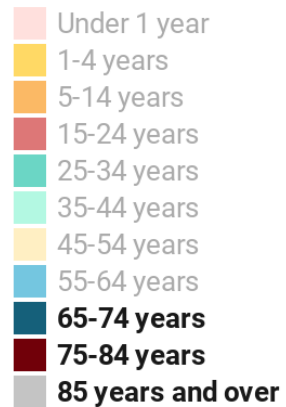


Health Industry Advisor LLC analysis

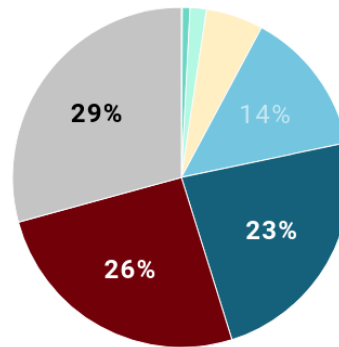
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Among Non-Hispanic Whites, the plurality of deaths were 85 years old or older; Among Hispanics and Latinos, deaths are more evenly distributed among older age groups. Relatively fewer deaths among those 25 & younger for each race/ethnic group

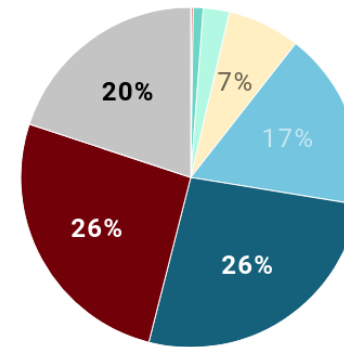
Age Distribution of COVID-19 Deaths By Ethnicity



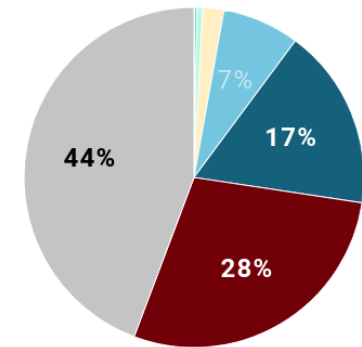
Hispanic or Latino



Non-Hispanic Asian



Non-Hispanic Black



Non-Hispanic White

February 1 - July 25, 2020

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

Worldwide Statistical Summary – Countries Ranked 1-30 in Total Cases

Countries, Ranked By Total Cases 1-30

As of July 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.)	Rank9
USA	4,568,037	(1)	13,794	(10)	153,840	(1)	3.4%	(68)	465	(11)	1.5%	(73)	2,565	(16)	202	(5)
Brazil	2,555,518	(2)	12,016	(13)	90,188	(2)	3.5%	(61)	424	(13)	1.7%	(66)	5,165	(9)	217	(4)
India	1,584,384	(3)	1,147	(98)	35,003	(6)	2.2%	(104)	25	(96)	3.5%	(19)	312	(89)	36	(52)
Russia	828,990	(4)	5,680	(30)	13,673	(11)	1.6%	(128)	94	(45)	0.7%	(114)	1,826	(22)	39	(49)
South Africa	471,123	(5)	7,936	(18)	7,497	(17)	1.6%	(132)	126	(37)	2.2%	(50)	691	(57)	183	(8)
Mexico	402,697	(6)	3,121	(58)	44,876	(4)	11.1%	(11)	348	(17)	1.7%	(67)	105	(125)	51	(44)
Peru	400,683	(7)	12,140	(12)	18,816	(9)	4.7%	(44)	570	(8)	1.3%	(80)	689	(58)	148	(12)
Chile	351,575	(8)	18,379	(5)	9,278	(14)	2.6%	(89)	485	(10)	0.6%	(122)	1,007	(38)	113	(22)
Spain	329,721	(9)	7,052	(23)	28,441	(8)	8.6%	(13)	608	(6)	0.6%	(117)	1,092	(35)	46	(48)
UK	301,455	(10)	4,439	(43)	45,961	(3)	15.2%	(4)	677	(4)	0.2%	(161)	3,606	(12)	11	(96)
Iran	298,909	(11)	3,555	(52)	16,343	(10)	5.5%	(36)	194	(29)	0.8%	(107)	301	(94)	30	(57)
Pakistan	276,288	(12)	1,249	(93)	5,892	(19)	2.1%	(107)	27	(92)	0.4%	(135)	99	(127)	6	(116)
Colombia	276,055	(13)	5,421	(33)	9,454	(13)	3.4%	(65)	271	(21)	3.4%	(20)	589	(65)	162	(9)
Saudi Arabia	272,590	(14)	7,821	(20)	2,816	(29)	1.0%	(153)	55	(64)	0.7%	(110)	1,639	(24)	59	(39)
Italy	246,776	(15)	4,082	(45)	35,129	(5)	14.2%	(6)	581	(7)	0.1%	(177)	793	(48)	4	(128)
Bangladesh	232,194	(16)	1,409	(89)	3,035	(28)	1.3%	(145)	18	(102)	1.2%	(86)	73	(137)	16	(77)
Turkey	228,924	(17)	2,712	(67)	5,659	(21)	2.5%	(93)	67	(56)	0.4%	(138)	520	(70)	11	(95)
Germany	208,811	(18)	2,492	(73)	9,212	(15)	4.4%	(50)	110	(40)	0.3%	(157)	1,000	(39)	7	(106)
France	185,196	(19)	2,837	(65)	30,238	(7)	16.3%	(3)	463	(12)	0.5%	(128)	180	(111)	15	(82)
Argentina	178,996	(20)	3,958	(48)	3,288	(27)	1.8%	(118)	73	(54)	3.1%	(28)	306	(91)	117	(19)

+ Show 10 more

Table: Health Industry advisor LLC - Created with Datawrapper

Worldwide Statistical Summary – Countries Ranked 31-60 in Total Cases

Countries, Ranked By Total Cases 31-60

As of July 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.)	Rank9
Oman	78,569	(31)	15,359	(7)	412	(62)	0.5%	(176)	81	(48)	1.3%	(85)	540	(68)	196	(6)
Bolivia	72,327	(32)	6,190	(25)	2,720	(30)	3.8%	(59)	233	(26)	2.1%	(54)	247	(105)	122	(17)
Israel	68,299	(33)	7,426	(21)	491	(56)	0.7%	(164)	52	(66)	2.8%	(32)	2,295	(18)	190	(7)
Ukraine	67,597	(34)	1,546	(86)	1,650	(38)	2.4%	(95)	38	(79)	1.5%	(72)	297	(96)	22	(64)
Belarus	67,518	(35)	7,145	(22)	548	(55)	0.8%	(161)	47	(68)	0.2%	(165)	1,046	(37)	15	(80)
Belgium	66,662	(36)	5,750	(29)	9,833	(12)	14.8%	(5)	1,069	(2)	0.6%	(126)	1,280	(29)	30	(58)
Dominican Republic	66,182	(37)	6,096	(26)	1,123	(44)	1.7%	(125)	263	(23)	2.3%	(44)	366	(84)	133	(13)
Kuwait	65,903	(38)	15,415	(6)	444	(59)	0.7%	(166)	41	(76)	1.0%	(96)	910	(42)	158	(10)
Panama	63,269	(39)	14,646	(9)	1,374	(39)	2.2%	(105)	318	(19)	1.8%	(64)	730	(52)	243	(2)
UAE	59,921	(40)	6,053	(27)	347	(66)	0.6%	(173)	35	(82)	0.6%	(123)	5,609	(7)	32	(56)
Netherlands	53,621	(41)	3,129	(57)	6,147	(18)	11.5%	(10)	359	(15)	0.4%	(142)	926	(40)	11	(91)
Singapore	51,531	(42)	8,803	(17)	27	(135)	0.1%	(189)	5	(147)	0.9%	(106)	3,682	(11)	68	(33)
Portugal	50,613	(43)	4,965	(38)	1,725	(36)	3.4%	(66)	169	(32)	0.4%	(146)	912	(41)	21	(65)
Romania	48,235	(44)	2,509	(71)	2,269	(31)	4.7%	(43)	118	(38)	2.6%	(36)	1,078	(36)	60	(38)
Guatemala	47,605	(45)	2,654	(69)	1,835	(34)	3.9%	(57)	102	(43)	1.9%	(58)	153	(117)	52	(43)
Poland	44,416	(46)	1,174	(96)	1,694	(37)	3.8%	(58)	45	(71)	1.1%	(91)	640	(60)	12	(89)
Nigeria	42,208	(47)	204	(168)	873	(46)	2.1%	(110)	4	(153)	1.3%	(78)	17	(154)	3	(139)
Honduras	40,460	(48)	4,080	(46)	1,214	(42)	3.0%	(78)	712	(3)	1.9%	(62)	289	(98)	74	(32)
Bahrain	40,311	(49)	23,638	(3)	144	(85)	0.4%	(182)	15	(114)	0.9%	(101)	5,413	(8)	224	(3)
Armenia	37,937	(50)	12,801	(11)	723	(50)	1.9%	(116)	244	(24)	0.7%	(112)	505	(71)	108	(23)

+ Show 10 more

Table: Health Industry Advisor LLC • Created with Datawrapper

Worldwide Statistical Summary – Countries Ranked 31-60 in Total Cases

Countries, Ranked By Total Cases 61-90

As of July 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.)	Rank9
Uzbekistan	22,585	(61)	674	(117)	131	(88)	0.6%	(172)	4	(156)	3.1%	(27)	-2	(209)	18	(69)
Morocco	22,213	(62)	601	(127)	334	(67)	1.5%	(135)	9	(123)	3.4%	(22)	557	(67)	16	(76)
Austria	20,850	(63)	2,314	(77)	716	(51)	3.4%	(64)	79	(49)	0.6%	(119)	885	(45)	15	(83)
Nepal	19,273	(64)	661	(119)	49	(117)	0.3%	(185)	2	(170)	1.0%	(98)	149	(119)	6	(115)
Kenya	19,125	(65)	355	(146)	311	(70)	1.6%	(129)	6	(136)	3.3%	(24)	94	(128)	11	(92)
Cameroon	17,255	(66)	649	(121)	391	(63)	2.3%	(101)	15	(113)	0.6%	(116)	75	(136)	4	(129)
Venezuela	17,158	(67)	604	(126)	156	(81)	0.9%	(159)	5	(139)	3.8%	(17)	405	(78)	20	(67)
Costa Rica	16,800	(68)	3,296	(56)	133	(87)	0.8%	(163)	26	(93)	4.2%	(14)	283	(100)	124	(14)
Czechia	16,093	(69)	1,503	(88)	374	(64)	2.3%	(98)	35	(83)	1.3%	(79)	497	(72)	20	(66)
El Salvador	15,841	(70)	2,441	(74)	430	(61)	2.7%	(88)	16	(108)	2.8%	(31)	377	(79)	63	(36)
Ivory Coast	15,813	(71)	598	(128)	99	(95)	0.6%	(170)	15	(112)	0.7%	(111)	56	(144)	6	(114)
Ethiopia	15,810	(72)	137	(177)	253	(73)	1.6%	(131)	10	(121)	4.5%	(10)	66	(139)	5	(118)
Australia	15,582	(73)	611	(124)	176	(77)	1.1%	(152)	2	(172)	2.8%	(33)	2,390	(17)	15	(81)
S. Korea	14,251	(74)	278	(154)	300	(71)	2.1%	(109)	6	(135)	0.4%	(143)	154	(115)	1	(161)
Denmark	13,634	(75)	2,353	(76)	614	(52)	4.5%	(47)	106	(42)	0.3%	(154)	2,924	(13)	7	(109)
Sudan	11,496	(76)	262	(159)	725	(49)	6.3%	(23)	17	(107)	0.3%	(148)	0	(162)	1	(166)
Palestine	11,284	(77)	2,208	(79)	80	(99)	0.7%	(165)	16	(111)	2.3%	(47)	-2	(210)	53	(42)
Bulgaria	11,155	(78)	1,606	(85)	368	(65)	3.3%	(72)	53	(65)	2.0%	(56)	681	(59)	32	(55)
Bosnia and Herzegovina	11,127	(79)	3,393	(53)	316	(69)	2.8%	(82)	96	(44)	2.6%	(35)	447	(74)	88	(26)
North Macedonia	10,503	(80)	5,041	(37)	476	(58)	4.5%	(46)	228	(27)	1.4%	(74)	538	(69)	66	(34)

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States

As of July 29

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	82,366	(19)	17,087	(8)	1,538	(24)	1.9%	(31)	314	(18)	2.0%	(15)	1,713	(35)	349	(5)
Alaska	2,729	(48)	3,823	(46)	22	(51)	0.8%	(50)	30	(50)	4.5%	(1)	7,485	(1)	130	(26)
Arizona	165,934	(8)	23,118	(2)	3,454	(14)	2.1%	(26)	475	(14)	1.5%	(27)	1,716	(34)	347	(6)
Arkansas	40,181	(30)	13,575	(21)	434	(36)	1.1%	(46)	144	(38)	1.9%	(18)	2,622	(17)	271	(11)
California	474,819	(1)	12,337	(23)	8,909	(3)	1.9%	(30)	225	(28)	1.9%	(16)	3,084	(11)	236	(14)
Colorado	45,314	(27)	7,952	(38)	1,822	(19)	4.0%	(13)	316	(17)	1.3%	(32)	1,359	(47)	102	(35)
Connecticut	49,077	(25)	13,895	(19)	4,425	(10)	9.0%	(1)	1,241	(3)	0.3%	(47)	3,661	(6)	53	(44)
Delaware	14,476	(40)	14,995	(13)	581	(34)	4.0%	(14)	597	(10)	0.6%	(45)	2,580	(18)	119	(30)
District Of Columbia	11,945	(41)	17,002	(9)	584	(33)	4.9%	(9)	827	(7)	0.6%	(43)	4,145	(3)	95	(37)
Florida	441,977	(2)	21,018	(4)	6,335	(9)	1.4%	(43)	295	(22)	2.3%	(9)	2,475	(20)	478	(1)
Georgia	175,052	(6)	16,795	(10)	3,642	(12)	2.1%	(27)	343	(16)	2.0%	(14)	2,632	(16)	350	(4)
Hawaii	1,757	(50)	1,317	(51)	26	(50)	1.5%	(42)	18	(51)	3.8%	(3)	946	(50)	43	(47)
Idaho	19,222	(37)	10,981	(26)	173	(42)	0.9%	(49)	97	(42)	2.7%	(6)	1,520	(42)	268	(12)
Illinois	174,973	(7)	13,918	(18)	7,654	(5)	4.4%	(11)	604	(9)	0.8%	(41)	2,934	(12)	111	(32)
Indiana	63,678	(20)	9,551	(30)	2,932	(16)	4.6%	(10)	436	(15)	1.2%	(33)	1,482	(43)	119	(29)
Iowa	42,796	(29)	13,719	(20)	849	(29)	2.0%	(28)	269	(25)	1.0%	(38)	1,643	(37)	145	(21)
Kansas	26,447	(34)	9,285	(32)	349	(38)	1.3%	(44)	120	(41)	1.3%	(31)	797	(51)	134	(25)
Kentucky	28,126	(33)	6,430	(42)	724	(31)	2.6%	(24)	162	(34)	2.1%	(13)	1,575	(40)	134	(24)
Louisiana	111,038	(12)	24,259	(1)	3,887	(11)	3.5%	(17)	836	(6)	1.7%	(24)	4,371	(2)	412	(3)
Maine	3,838	(46)	2,876	(49)	121	(44)	3.2%	(19)	90	(44)	0.6%	(44)	1,813	(33)	15	(50)

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State-By-State Statistical Summary (page 2 of 3)

States

As of July 29

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
Maryland	85,524	(17)	14,272	(17)	3,478	(13)	4.1%	(12)	575	(11)	1.1%	(35)	2,271	(24)	144	(22)
Massachusetts	116,182	(10)	16,790	(11)	8,580	(4)	7.4%	(4)	1,235	(4)	0.3%	(49)	1,461	(44)	49	(45)
Michigan	87,958	(14)	8,909	(34)	6,422	(7)	7.3%	(5)	643	(8)	0.9%	(39)	3,342	(8)	75	(41)
Minnesota	52,281	(23)	9,388	(31)	1,629	(20)	3.1%	(20)	289	(24)	1.4%	(29)	2,648	(15)	126	(28)
Mississippi	54,299	(22)	18,750	(6)	1,563	(22)	2.9%	(21)	525	(13)	2.4%	(8)	1,933	(31)	419	(2)
Missouri	46,105	(26)	7,764	(39)	1,269	(25)	2.8%	(23)	207	(30)	3.0%	(5)	1,663	(36)	215	(15)
Montana	3,475	(47)	3,439	(48)	54	(48)	1.6%	(38)	51	(48)	3.9%	(2)	2,919	(13)	115	(31)
Nebraska	25,157	(35)	13,142	(22)	324	(39)	1.3%	(45)	167	(33)	1.0%	(37)	1,581	(39)	143	(23)
Nevada	44,936	(28)	14,871	(14)	780	(30)	1.7%	(35)	253	(26)	2.3%	(10)	2,462	(21)	332	(8)
New Hampshire	6,500	(43)	4,790	(43)	411	(37)	6.3%	(7)	302	(20)	0.4%	(46)	1,108	(49)	23	(49)
New Jersey	186,309	(5)	21,002	(5)	15,873	(2)	8.5%	(2)	1,787	(1)	0.2%	(50)	3,245	(10)	45	(46)
New Mexico	19,791	(36)	9,603	(29)	632	(32)	3.2%	(18)	301	(21)	1.7%	(22)	3,769	(5)	157	(19)
New York	441,262	(3)	22,724	(3)	32,734	(1)	7.4%	(3)	1,683	(2)	0.2%	(51)	3,291	(9)	40	(48)
North Carolina	116,299	(9)	11,252	(25)	1,888	(18)	1.6%	(37)	180	(32)	1.6%	(25)	2,719	(14)	174	(16)
North Dakota	6,141	(45)	8,171	(37)	102	(46)	1.7%	(36)	134	(39)	2.1%	(12)	2,215	(25)	161	(17)
Ohio	86,531	(16)	7,519	(40)	3,422	(15)	4.0%	(16)	293	(23)	1.4%	(28)	2,435	(22)	111	(33)
Oklahoma	33,775	(32)	8,750	(36)	523	(35)	1.5%	(39)	132	(40)	3.5%	(4)	3,643	(7)	237	(13)
Oregon	17,416	(39)	4,202	(45)	311	(40)	1.8%	(34)	74	(46)	1.9%	(17)	1,401	(45)	79	(40)
Pennsylvania	114,129	(11)	8,982	(33)	7,240	(6)	6.3%	(6)	566	(12)	0.8%	(40)	1,257	(48)	75	(42)
Rhode Island	18,725	(38)	17,747	(7)	1,007	(27)	5.4%	(8)	951	(5)	0.6%	(42)	2,105	(27)	100	(36)

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State-By-State Statistical Summary (page 3 of 3)

States

As of July 29

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
South Carolina	84,109	(18)	16,673	(12)	1,615	(21)	1.9%	(29)	314	(19)	1.8%
South Dakota	8,492	(42)	9,768	(28)	129	(43)	1.5%	(41)	146	(37)	1.1%
Tennessee	99,044	(13)	14,755	(15)	1,020	(26)	1.0%	(47)	149	(36)	2.5%
Texas	414,877	(4)	14,638	(16)	6,381	(8)	1.5%	(40)	220	(29)	1.9%
Utah	38,855	(31)	12,225	(24)	292	(41)	0.8%	(51)	91	(43)	1.2%
Vermont	1,405	(51)	2,253	(50)	56	(47)	4.0%	(15)	90	(45)	0.3%
Virginia	86,994	(15)	10,309	(27)	2,125	(17)	2.4%	(25)	249	(27)	1.3%
Washington	55,824	(21)	7,426	(41)	1,555	(23)	2.8%	(22)	204	(31)	1.5%
West Virginia	6,173	(44)	3,540	(47)	112	(45)	1.8%	(33)	63	(47)	2.1%
Wisconsin	50,179	(24)	8,768	(35)	911	(28)	1.8%	(32)	156	(35)	1.7%
Wyoming	2,589	(49)	4,541	(44)	26	(50)	1.0%	(48)	45	(49)	1.8%
United States	4,568,037		13,801		153,840		3.4%		465		1.5%

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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>