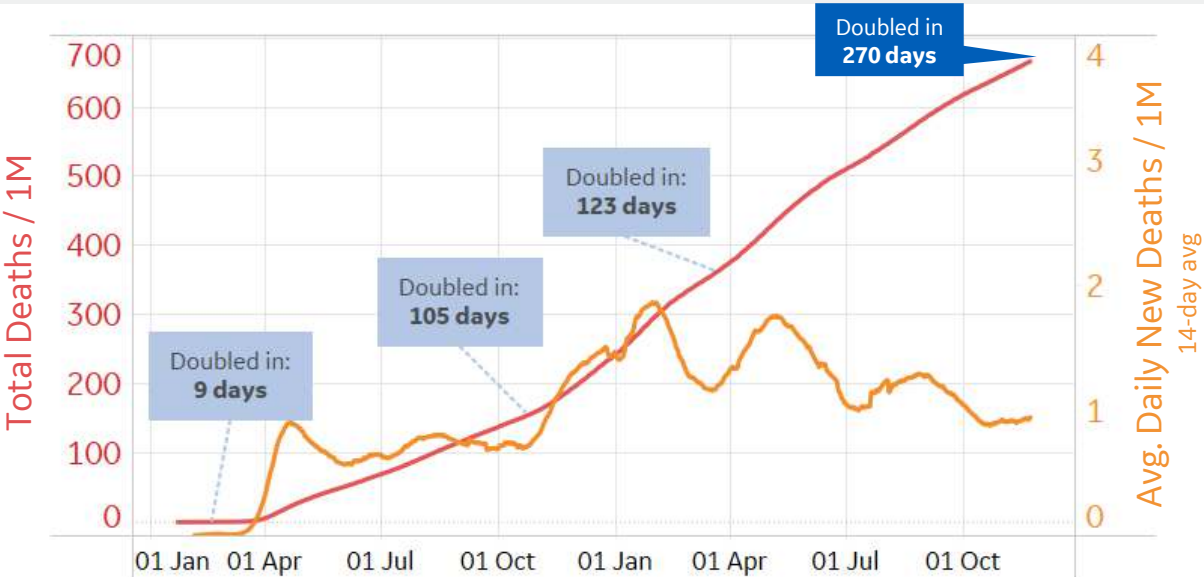
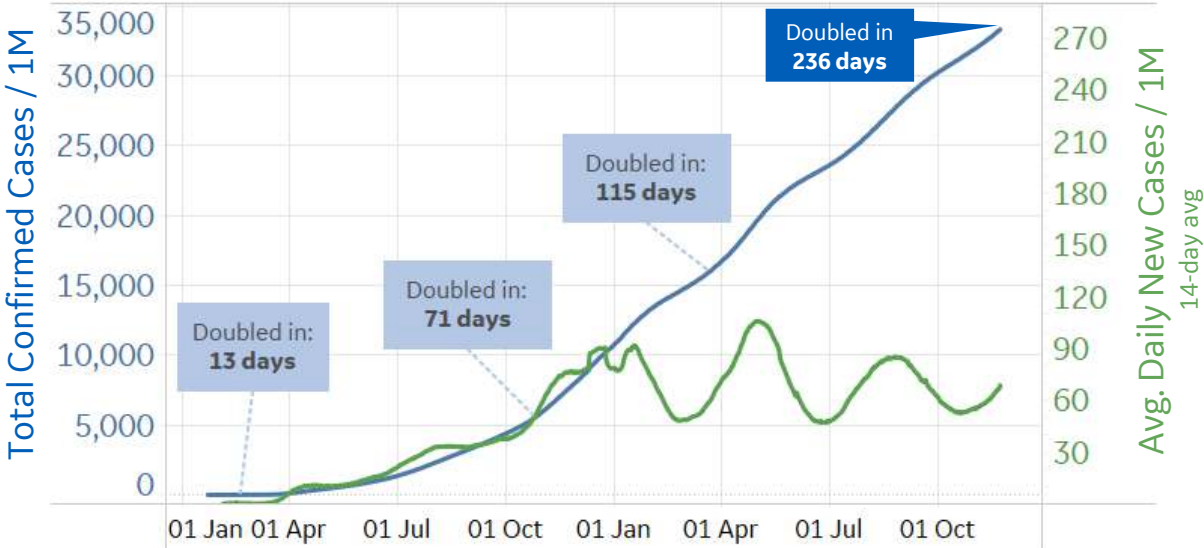




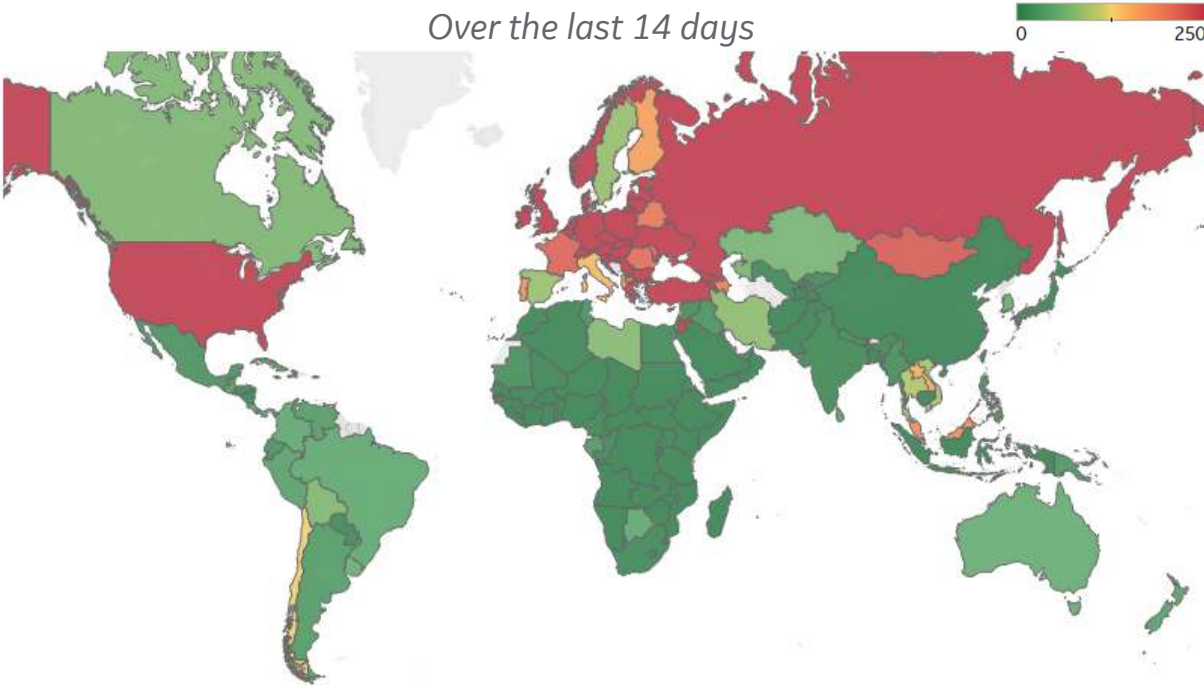
Global Confirmed Cases & Deaths

Trend since 22 Jan 2020



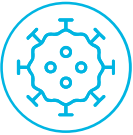
Avg. Daily New Cases / 1M

Over the last 14 days



Per 1M:	New Today	Change from 30 days ago
Active	49	+6%
Confirmed	50	+6%
Deaths	1	+4%
Recovered	44	+5%
Worldwide Survival Rate	To Date 98.0%	Last 30 Days 98.5%

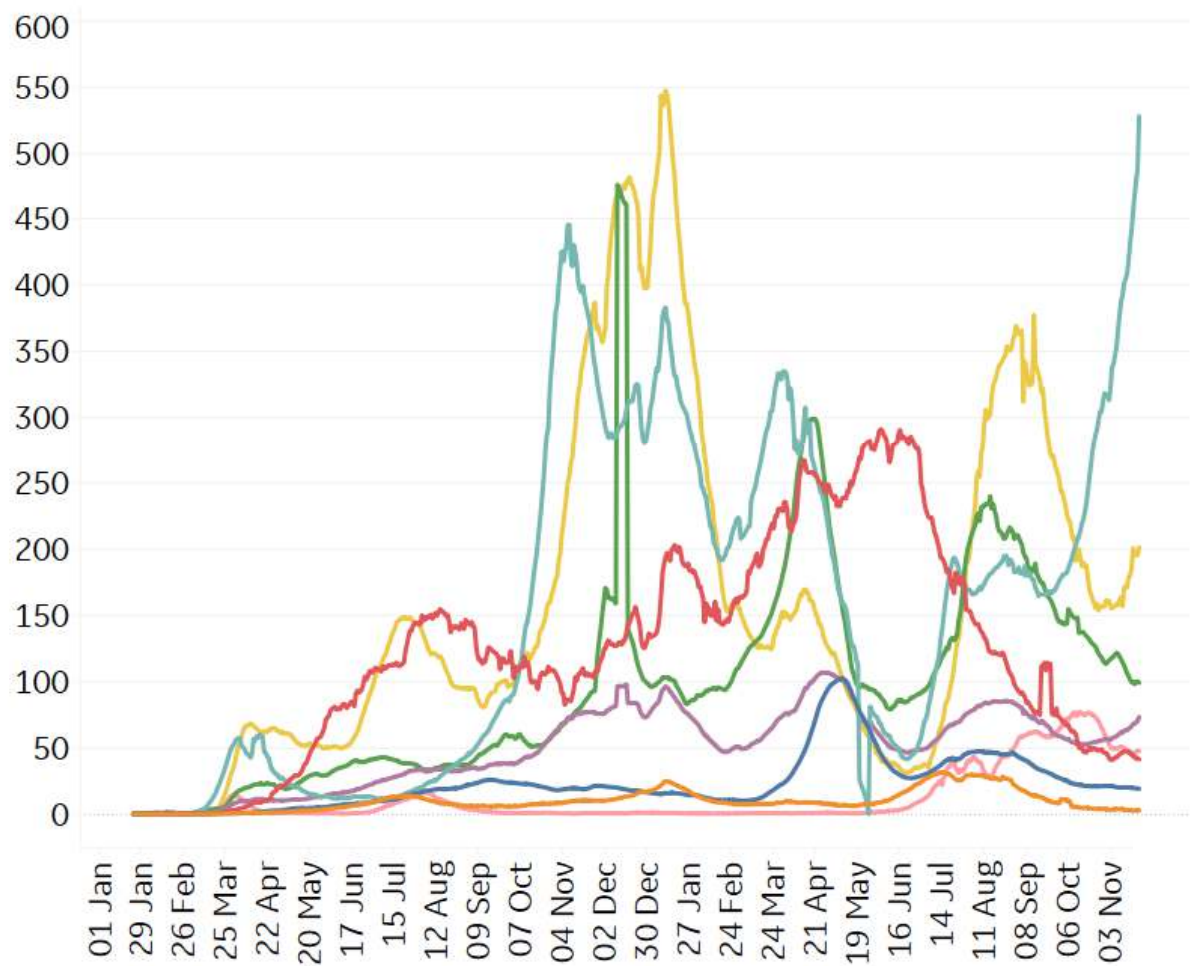
Worldwide Survival Rate = (Confirmed - Deaths) / (Confirmed) in a given time period



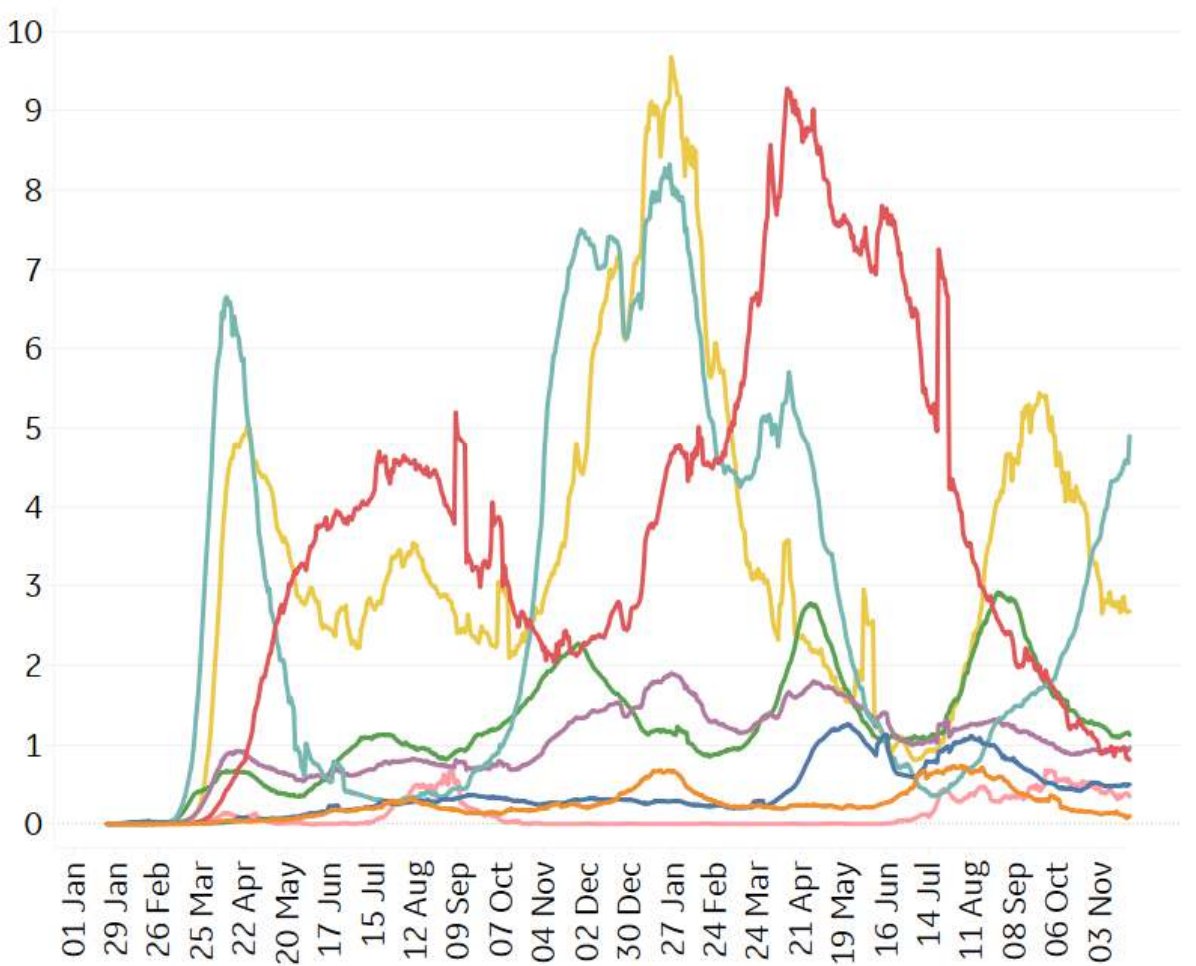
New Confirmed Cases & New Deaths

Key World North America Europe Middle East Cent & South America Asia Africa Oceania

New Confirmed Cases / 1M
7-day rolling average



New Deaths / 1M
7-day rolling average



*Large jump in Middle East confirmed cases due to batched reporting of 823,225 new cases in **Turkey** on 10 Dec 2020
*Significant drop in **France** and **EU** due to batched reporting adjustment on 20 May 2021



Top 50 Countries: Per 1M



1 - 25	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Bulgaria	363	20	96,898	87,143	3,922	-36%	9%
North Macedonia	202	7	101,864	95,346	3,569	-3%	13%
Hungary	868	14	103,359	88,960	3,393	120%	131%
Czechia	1,399	8	186,319	166,597	2,996	107%	160%
Georgia	1,008	19	203,613	185,843	2,882	-2%	53%
Brazil	40	1	103,582	100,056	2,882	-9%	-16%
Romania	151	14	91,627	85,869	2,857	-61%	-31%
Argentina	30	0	117,607	114,621	2,575	13%	-2%
Slovakia	1,808	8	196,765	170,828	2,539	52%	94%
Colombia	45	1	99,209	96,043	2,517	38%	20%
Croatia	1,101	15	138,939	119,608	2,510	23%	74%
Armenia	246	13	112,740	105,680	2,456	-46%	-7%
Slovenia	1,549	8	192,735	168,796	2,435	24%	59%
Lithuania	647	11	167,344	154,501	2,395	-27%	-14%
US	279	3	144,200	138,226	2,330	16%	-8%
Belgium	1,193	3	136,458	119,753	2,292	64%	53%
Moldova	191	12	88,797	83,573	2,190	-32%	22%
Poland	532	7	88,393	79,886	2,136	84%	134%
UK	607	2	145,792	135,559	2,127	3%	-7%
Latvia	437	14	130,483	120,811	2,094	-51%	-4%
Chile	125	1	91,186	87,417	1,994	24%	32%
Spain	102	0	108,666	105,611	1,878	97%	-18%
EU	494	4	99,692	91,678	1,862	59%	27%
France	279	1	115,172	110,307	1,830	114%	21%
Portugal	207	1	110,063	105,842	1,797	99%	69%

Change from 14d ago: Compares 14d-avgs. of Daily New Cases/Deaths today with 14d-avgs from 14d ago
Estimated Recovered: Cases 14d ago - Deaths today

26 - 50	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Uruguay	53	1	114,528	112,027	1,760	-18%	93%
Panama	46	0	110,318	108,016	1,704	28%	9%
Greece	645	7	84,325	73,644	1,661	37%	53%
Kosovo	4	0	87,252	85,563	1,616	-43%	0%
Sweden	89	0	117,705	115,056	1,496	5%	-17%
Costa Rica	39	2	111,020	108,962	1,423	-49%	-38%
Austria	1,538	5	117,318	96,806	1,334	103%	104%
Switzerland	531	1	108,753	101,225	1,315	115%	17%
Estonia	569	7	163,871	153,302	1,308	-47%	-16%
Serbia	358	6	141,124	134,114	1,285	-41%	-8%
Lebanon	140	1	96,610	93,471	1,267	45%	6%
Ireland	883	1	107,126	93,924	1,136	51%	-5%
Netherlands	1,230	2	144,914	129,664	1,133	103%	63%
Jordan	353	2	89,664	84,723	1,113	60%	32%
West Bank and G..	41	1	100,228	98,560	1,044	-40%	-31%
Botswana	45	0	82,685	81,016	1,027	-81%	-18%
Israel	54	1	154,864	153,175	945	-41%	-26%
Turkey	277	3	101,655	96,736	890	-11%	-3%
Bahrain	14	0	163,019	162,019	819	-40%	N/A
Cuba	26	0	84,827	83,669	732	-53%	-65%
Mongolia	189	3	115,205	111,480	594	-43%	-17%
Kuwait	4	0	96,740	96,095	577	-8%	100%
Cyprus	337	0	107,580	103,385	489	85%	63%
Qatar	49	0	84,027	83,125	212	26%	-100%
Total World	70	1	33,246	31,650	665	16%	1%

Top 50 countries selected by Cases / 1M. Sorted by Total Deaths / 1M
Excludes countries with population < 1M



Top 50 Countries: Raw Volume



1 - 25	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
EU	220,029	1,641	44,388,115	40,819,672	829,200	59%	27%
US	92,375	1,122	47,730,591	45,753,230	771,118	16%	-8%
Brazil	8,473	197	22,017,276	21,267,780	612,659	-9%	-16%
India	10,195	322	34,518,901	33,901,076	465,911	-14%	-23%
Mexico	2,478	183	3,862,137	3,534,414	292,372	-22%	-24%
Russia	35,996	1,214	9,170,898	8,392,454	259,107	-4%	7%
Peru	1,400	33	2,224,344	2,006,684	200,866	44%	15%
UK	41,234	147	9,897,206	9,202,592	144,369	3%	-7%
Indonesia	365	11	4,253,412	4,104,426	143,739	-36%	-43%
Italy	9,375	57	4,925,688	4,674,870	133,177	76%	39%
Iran	5,674	113	6,077,438	5,858,858	128,956	-29%	-20%
Colombia	2,302	41	5,048,061	4,886,949	128,093	38%	20%
France	18,240	46	7,517,669	7,200,102	119,424	114%	21%
Argentina	1,372	21	5,315,348	5,180,404	116,377	13%	-2%
Germany	49,206	201	5,400,687	4,693,333	99,130	92%	78%
South Africa	598	-25	2,929,862	2,834,382	89,574	37%	-41%
Spain	4,787	20	5,080,663	4,937,829	87,810	97%	-18%
Ukraine	17,688	683	3,493,203	3,132,707	86,260	-15%	11%
Poland	20,125	279	3,345,388	3,023,398	80,822	84%	134%
Turkey	23,341	216	8,573,524	8,158,607	75,042	-11%	-3%
Romania	2,914	270	1,762,701	1,651,923	54,959	-61%	-31%
Philippines	1,347	213	2,826,410	2,756,139	47,074	-50%	0%
Chile	2,381	20	1,743,137	1,671,072	38,117	24%	32%
Hungary	8,386	130	998,488	859,384	32,780	120%	131%
Czechia	14,984	85	1,995,291	1,784,082	32,079	107%	160%

26 - 50	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Malaysia	5,756	47	2,586,601	2,476,307	30,002	8%	-20%
Canada	2,501	24	1,773,959	1,708,993	29,550	13%	-14%
Pakistan	331	7	1,282,195	1,248,497	28,663	-36%	-28%
Bangladesh	227	4	1,574,088	1,543,060	27,953	-7%	-19%
Belgium	13,827	35	1,581,500	1,387,895	26,568	64%	53%
Vietnam	9,713	97	1,094,514	944,923	23,761	58%	43%
Iraq	739	23	2,074,419	2,039,198	23,665	-30%	-16%
Thailand	6,596	50	2,064,581	1,947,612	20,387	-18%	-20%
Netherlands	21,073	33	2,483,084	2,221,772	19,411	103%	63%
Japan	137	3	1,725,850	1,705,339	18,343	-32%	-66%
Portugal	2,114	9	1,122,283	1,079,236	18,321	99%	69%
Kazakhstan	1,143	23	1,046,722	1,012,361	17,625	-22%	-8%
Greece	6,721	78	878,920	767,591	17,313	37%	53%
Sweden	895	4	1,188,735	1,161,984	15,110	5%	-17%
Morocco	100	3	948,923	932,635	14,761	-51%	-52%
Slovakia	9,869	46	1,074,264	932,659	13,861	52%	94%
Austria	13,852	44	1,056,613	871,872	12,015	103%	104%
Georgia	4,022	75	812,246	741,357	11,498	-2%	53%
Nepal	293	3	819,019	803,062	11,496	-19%	-52%
Switzerland	4,597	8	941,218	876,064	11,382	115%	17%
Jordan	3,597	21	914,849	864,443	11,361	60%	32%
Serbia	3,128	55	1,233,057	1,171,800	11,225	-41%	-8%
Cuba	295	2	960,802	947,686	8,295	-53%	-65%
Israel	464	5	1,340,435	1,325,813	8,176	-41%	-26%
Total World	541,047	7,190	257,555,773	245,191,987	5,150,868	16%	1%

Change from 14d ago: Compares 14d-avgs. of Daily New Cases/Deaths today with 14d-avgs from 14d ago
Estimated Recovered: Cases 14d ago - Deaths today

Top 50 countries selected by Total Cases. Sorted by Total Deaths
Excludes countries with population < 1M



United States: Per 1M



1 - 25	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Mississippi	128	2	172,013	166,953	3,441	-12%	-33%
Alabama	93	3	171,962	167,275	3,278	-57%	-44%
New Jersey	221	1	138,875	132,856	3,182	41%	-24%
Louisiana	84	2	165,213	160,882	3,174	-12%	-7%
Arizona	548	6	171,064	160,801	3,015	24%	-3%
Oklahoma	209	5	167,120	161,284	2,984	26%	174%
New York	341	2	137,738	130,429	2,941	50%	-3%
Arkansas	214	2	173,782	168,257	2,856	35%	-48%
Georgia	101	5	156,063	151,713	2,848	24%	-11%
Florida	66	2	173,273	169,485	2,847	-11%	-51%
Massachusetts	389	2	130,268	122,818	2,798	62%	18%
Rhode Island	446	2	177,023	168,896	2,750	69%	288%
S. Carolina	142	3	177,510	172,891	2,744	-9%	-31%
West Virginia	475	10	161,551	152,789	2,654	-2%	-18%
South Dakota	436	3	184,014	175,307	2,610	13%	-11%
Nevada	206	4	147,321	141,945	2,574	-3%	-19%
Pennsylvania	485	6	132,149	123,464	2,572	36%	8%
Indiana	463	4	160,032	151,722	2,572	57%	2%
Texas	117	3	148,681	144,524	2,532	-3%	-15%
New Mexico	668	6	145,734	133,921	2,517	31%	25%
Michigan	818	7	142,907	129,650	2,496	68%	36%
Connecticut	202	1	116,394	111,367	2,483	90%	24%
North Dakota	631	7	208,260	196,980	2,479	-4%	-16%
Tennessee	195	4	191,355	185,946	2,468	42%	1%
Montana	445	10	176,374	167,278	2,402	-24%	-12%

Change from 14d ago: Compares 14d-avgs. of Daily New Cases/Deaths today with 14d-avgs from 14d ago
Estimated Recovered: Cases 14d ago - Deaths today

26 - 51	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Kentucky	341	14	173,155	166,223	2,397	22%	82%
Wyoming	419	12	189,720	180,806	2,327	-22%	11%
Iowa	456	5	162,797	154,399	2,304	7%	-10%
Kansas	414	1	157,582	149,798	2,281	35%	-63%
Illinois	347	2	140,095	133,496	2,266	60%	-14%
Ohio	474	3	140,921	132,539	2,230	41%	-30%
Delaware	363	3	154,683	147,859	2,217	27%	-27%
Idaho	272	9	170,071	164,113	2,161	-37%	-26%
Missouri	462	2	146,343	139,398	2,107	105%	-9%
California	129	2	127,795	124,165	1,869	-19%	1%
Maryland	154	1	95,746	91,885	1,841	22%	-20%
N. Carolina	189	3	144,971	140,698	1,776	4%	-30%
Virginia	193	3	112,186	108,064	1,704	13%	-20%
DC	147	0	94,009	90,477	1,695	11%	-57%
Wisconsin	617	3	163,750	153,787	1,688	45%	-8%
Minnesota	735	5	155,315	143,613	1,652	23%	9%
Nebraska	444	4	156,751	148,720	1,607	5%	70%
Colorado	555	6	140,971	131,920	1,554	5%	9%
New Hampshire	746	4	113,211	102,702	1,230	32%	30%
Washington	206	3	100,593	96,361	1,200	-13%	-10%
Oregon	193	7	91,468	87,544	1,190	-21%	22%
Alaska	503	6	203,439	194,945	1,178	-37%	-25%
Utah	479	3	183,021	175,028	1,074	1%	-6%
Maine	502	4	86,195	79,229	946	19%	-24%
Hawaii	106	3	61,403	59,424	708	6%	-46%
Vermont	592	3	76,298	67,536	649	42%	-36%

Sorted by Total Deaths / 1M



United States: Raw Volume

Updated 23 Nov 2021, 3:30 GMT

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1 - 25	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
California	5,078	89	5,049,468	4,906,018	73,856	-19%	1%
Texas	3,405	84	4,311,138	4,190,594	73,424	-3%	-15%
Florida	1,413	43	3,721,503	3,640,163	61,147	-11%	-51%
New York	6,632	34	2,679,503	2,537,300	57,215	50%	-3%
Pennsylvania	6,213	74	1,691,773	1,580,588	32,931	36%	8%
Georgia	1,067	52	1,656,992	1,610,800	30,236	24%	-11%
Illinois	4,392	23	1,775,253	1,691,635	28,710	60%	-14%
New Jersey	1,963	13	1,233,511	1,180,056	28,265	41%	-24%
Ohio	5,546	36	1,647,237	1,549,256	26,063	41%	-30%
Michigan	8,165	74	1,427,191	1,294,796	24,928	68%	36%
Arizona	3,991	41	1,245,127	1,170,423	21,942	24%	-3%
Massachusetts	2,678	14	897,874	846,522	19,284	62%	18%
N. Carolina	1,985	28	1,520,471	1,475,648	18,630	4%	-30%
Indiana	3,118	30	1,077,372	1,021,429	17,316	57%	2%
Tennessee	1,332	25	1,306,796	1,269,860	16,853	42%	1%
Alabama	458	13	843,161	820,182	16,073	-57%	-44%
Louisiana	392	8	768,041	747,905	14,754	-12%	-7%
Virginia	1,644	22	957,570	922,380	14,548	13%	-20%
S. Carolina	730	14	913,950	890,165	14,128	-9%	-31%
Missouri	2,836	13	898,167	855,547	12,933	105%	-9%
Oklahoma	825	19	661,289	638,197	11,807	26%	174%
Maryland	930	9	578,851	555,508	11,129	22%	-20%
Kentucky	1,523	61	773,602	742,631	10,707	22%	82%
Mississippi	380	5	511,935	496,876	10,240	-12%	-33%
Wisconsin	3,590	18	953,422	895,414	9,831	45%	-8%

Change from 14d ago: Compares 14d-avgs. of Daily New Cases/Deaths today with 14d-avgs from 14d ago
Estimated Recovered: Cases 14d ago - Deaths today

26 - 51	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Minnesota	4,147	28	875,917	809,923	9,316	23%	9%
Washington	1,571	21	766,008	733,780	9,139	-13%	-10%
Colorado	3,198	36	811,813	759,695	8,951	5%	9%
Connecticut	721	4	414,978	397,057	8,853	90%	24%
Arkansas	647	6	524,440	507,766	8,620	35%	-48%
Nevada	634	12	453,771	437,213	7,929	-3%	-19%
Iowa	1,439	15	513,637	487,139	7,268	7%	-10%
Kansas	1,206	4	459,085	436,410	6,645	35%	-63%
New Mexico	1,402	12	305,579	280,809	5,277	31%	25%
Oregon	814	31	385,790	369,236	5,017	-21%	22%
West Virginia	852	17	289,524	273,821	4,757	-2%	-18%
Idaho	486	16	303,928	293,280	3,862	-37%	-26%
Utah	1,536	10	586,758	561,134	3,442	1%	-6%
Nebraska	858	9	303,221	287,686	3,108	5%	70%
Rhode Island	473	2	187,531	178,922	2,913	69%	288%
Montana	476	11	188,505	178,783	2,567	-24%	-12%
South Dakota	386	3	162,790	155,087	2,309	13%	-11%
Delaware	354	3	150,625	143,980	2,159	27%	-27%
North Dakota	481	5	158,707	150,111	1,889	-4%	-16%
New Hampshire	1,014	6	153,934	139,645	1,672	32%	30%
Wyoming	243	7	109,802	104,643	1,347	-22%	11%
Maine	674	6	115,865	106,500	1,272	19%	-24%
DC	103	0	66,347	63,854	1,196	11%	-57%
Hawaii	151	4	86,939	84,137	1,002	6%	-46%
Alaska	368	4	148,825	142,611	862	-37%	-25%
Vermont	369	2	47,609	42,142	405	42%	-36%

Sorted by Total Deaths



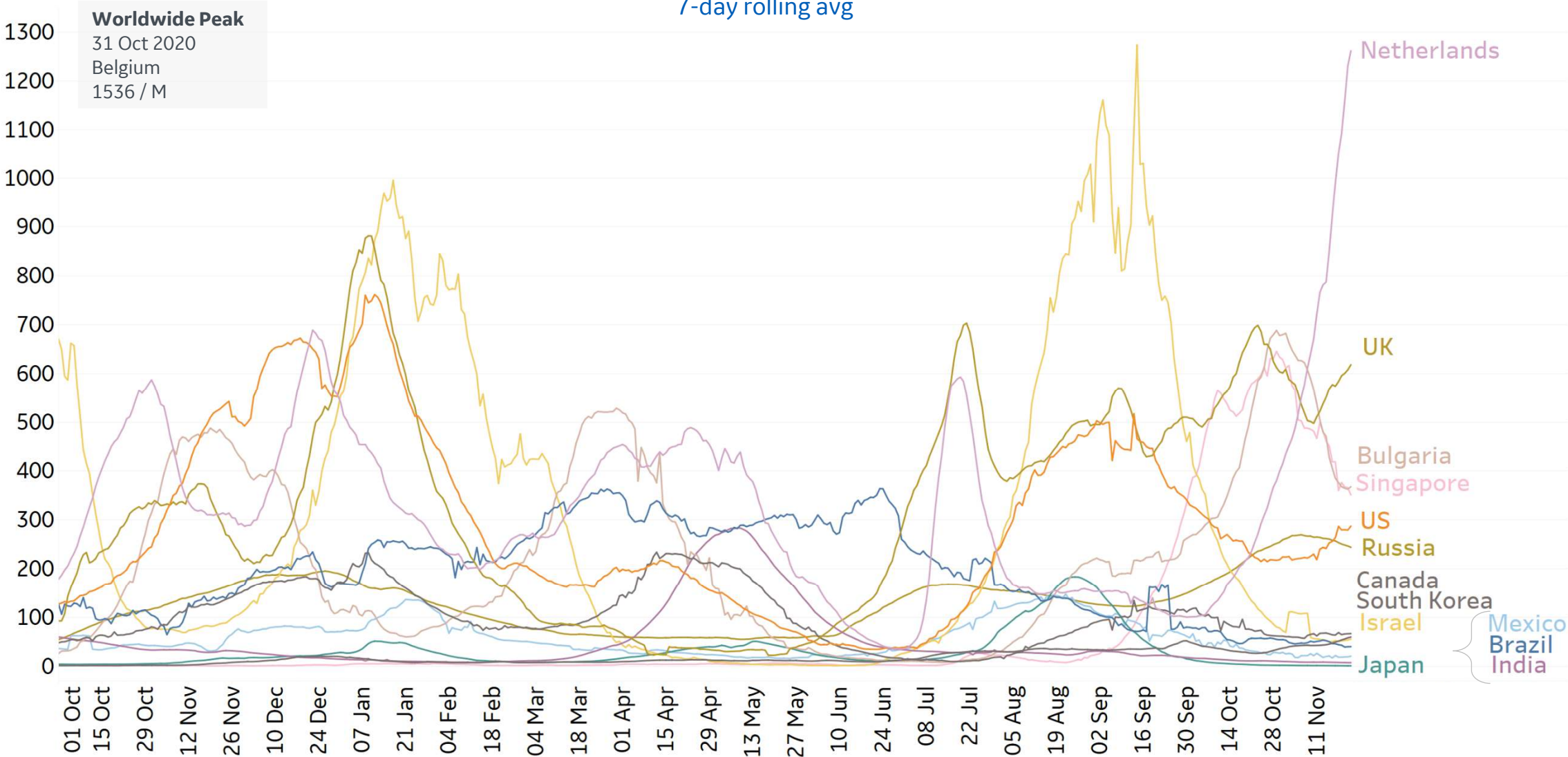
New Confirmed Cases in Select Countries

Updated 23 Nov 2021, 3:30 GMT

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Daily New Confirmed Cases / 1M

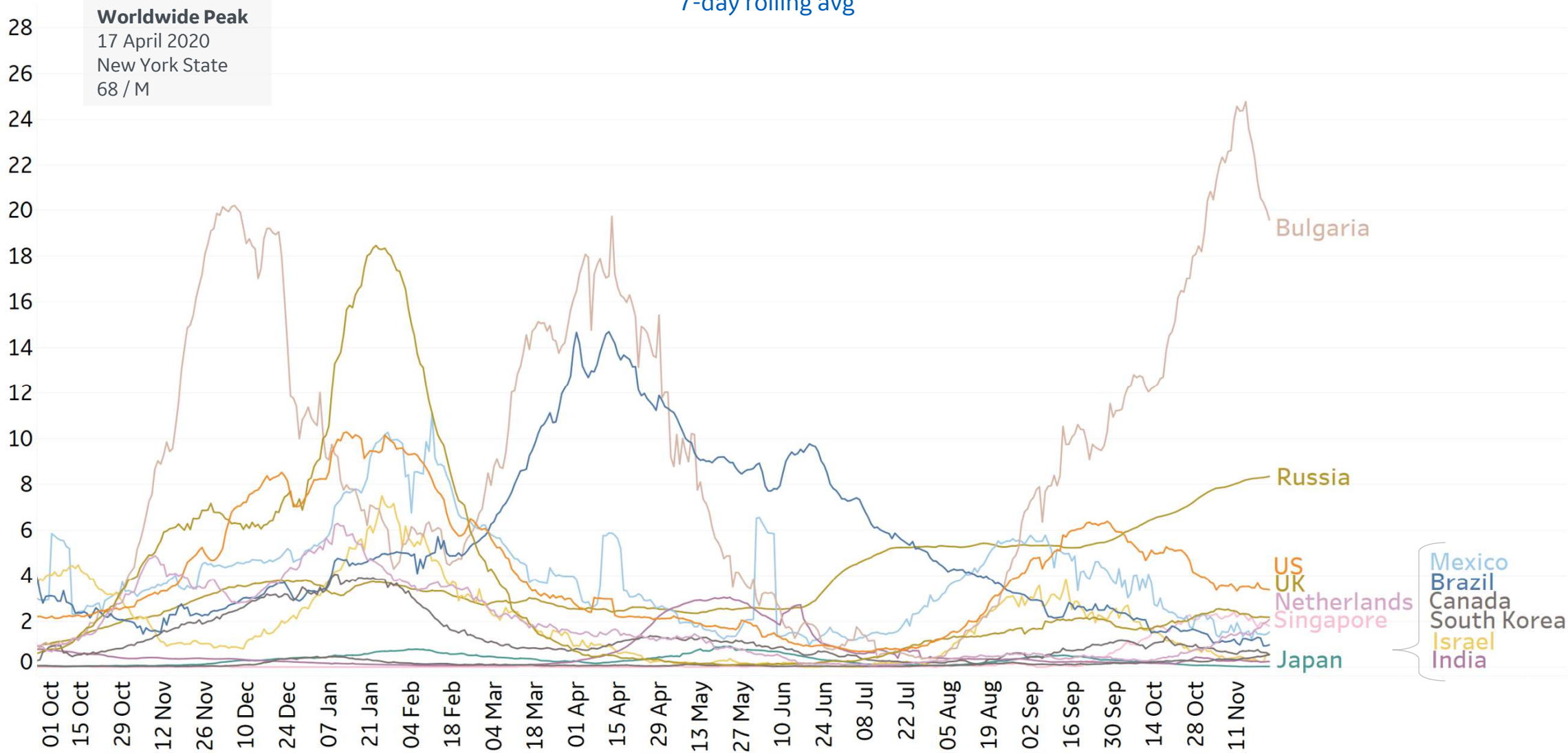
7-day rolling avg





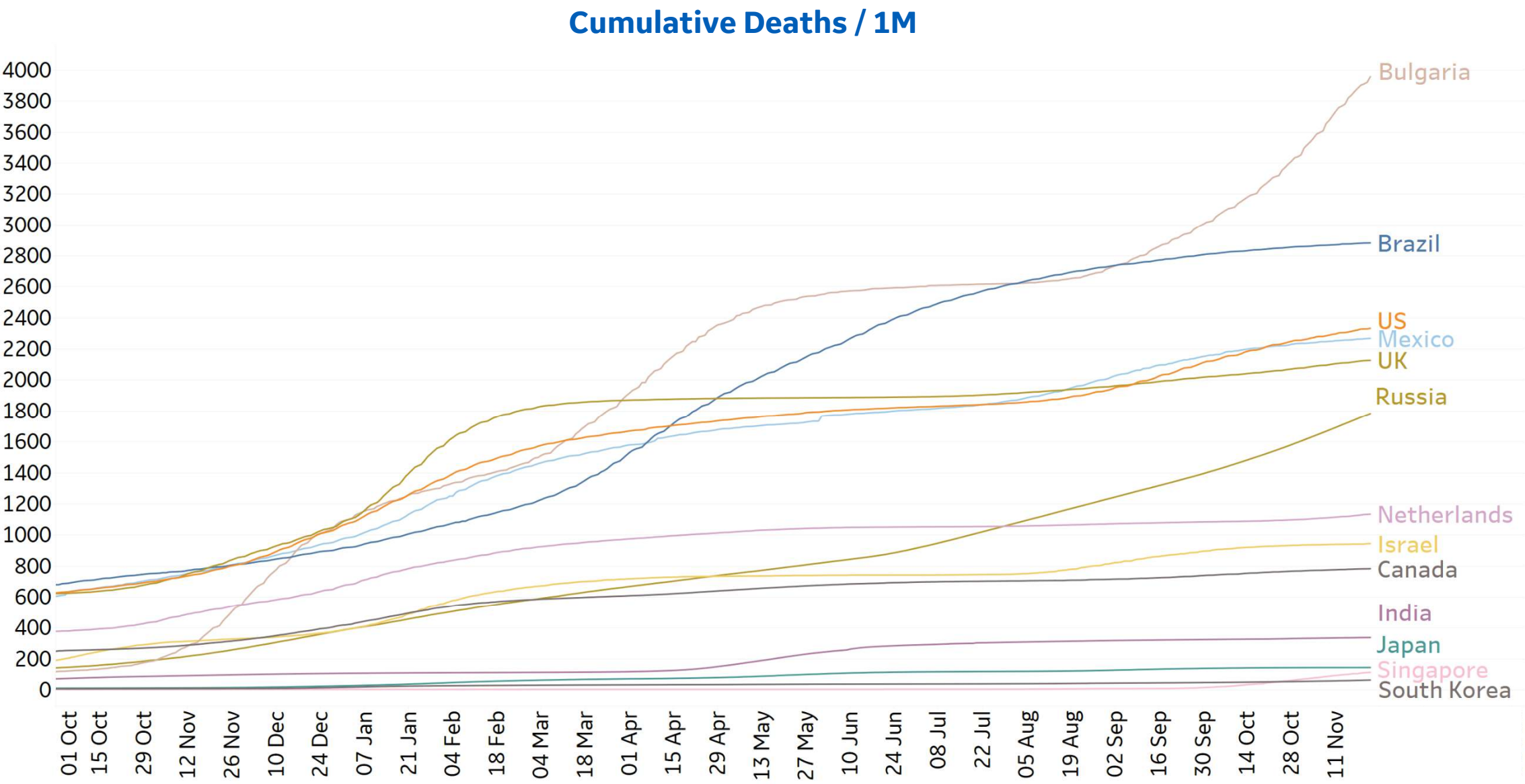
New Deaths in Select Countries

Daily New Deaths / 1M
7-day rolling avg





Cumulative Deaths in Select Countries



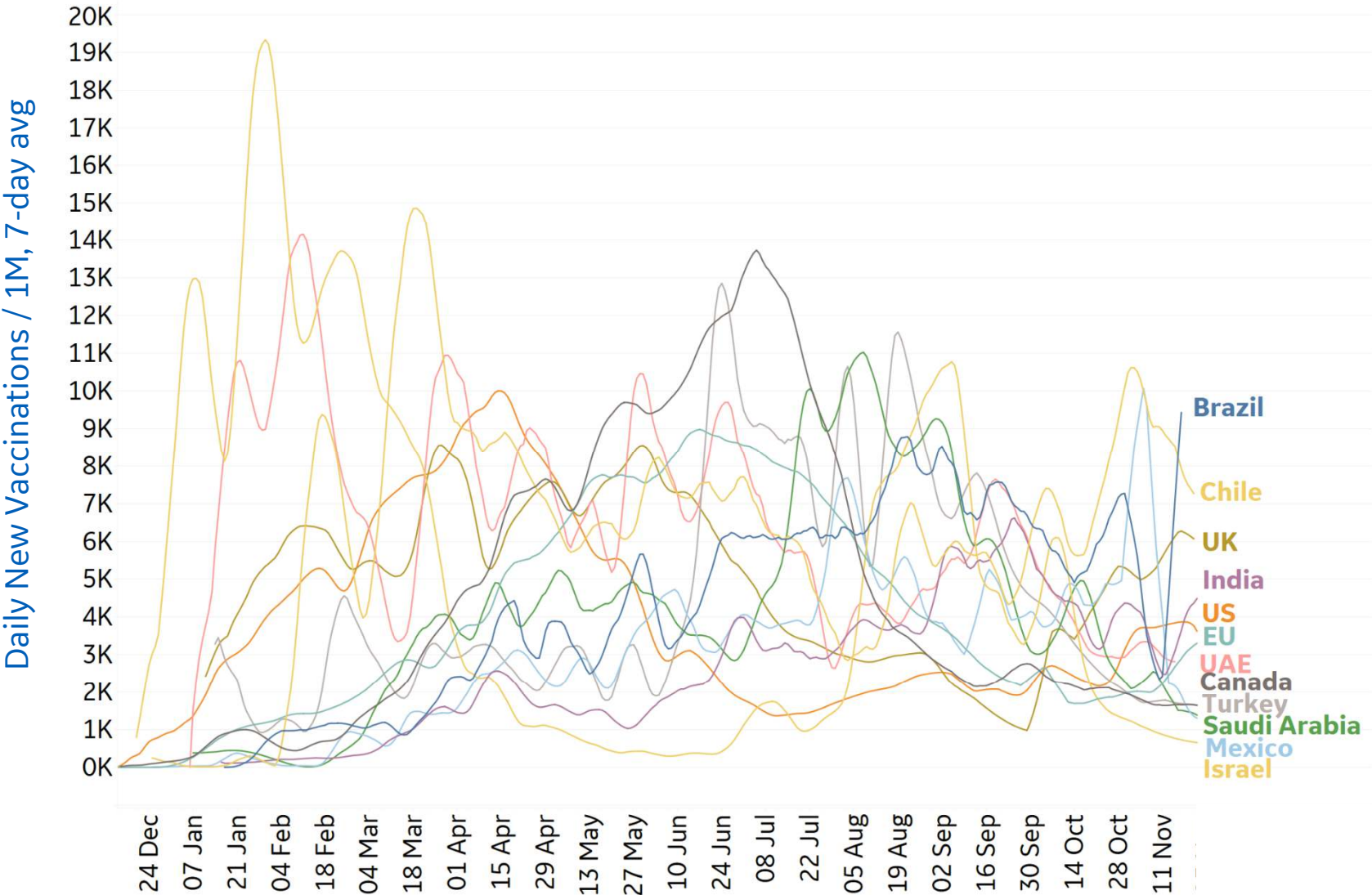


Daily & Total Vaccinations, Select Countries

Updated 23 Nov 2021, 3:30 GMT

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Select countries with data available



	Total Vaccinations per 1M	% of Population Fully Vaccinated
Chile	2,095,041	83.4%
Israel	1,857,704	66.6%
UK	1,653,906	68.0%
Spain	1,603,868	80.3%
Canada	1,588,883	76.4%
France	1,574,658	71.5%
Italy	1,546,493	72.5%
Turkey	1,414,857	59.3%
Germany	1,403,901	67.5%
EU	1,391,541	66.9%
US	1,367,536	58.9%
Saudi Arabia	1,351,794	63.8%
Mexico	1,015,845	49.8%
India	846,416	29.1%

*Total Vax and % Fully Vaccinated use most current reported data per country



US State Vaccinations to Date



State	% Fully Vaccinated	% Rec'd at Least 1 Dose	Population
Vermont	72.6%	84.1%	623,989
Rhode Island	72.1%	82.1%	1,059,361
Maine	71.9%	80.7%	1,344,212
Connecticut	71.7%	83.0%	3,565,287
Massachusetts	70.8%	84.7%	6,892,503
New York	68.1%	77.2%	19,453,561
New Jersey	67.4%	78.2%	8,882,190
Maryland	67.1%	74.6%	6,045,680
Washington	64.6%	71.8%	7,614,893
Virginia	64.6%	74.7%	8,535,519
New Hampshire	64.0%	84.6%	1,359,711
Oregon	63.7%	70.8%	4,217,737
New Mexico	63.3%	75.7%	2,096,829
Colorado	62.8%	70.6%	5,758,736
California	62.8%	77.9%	39,512,223
Minnesota	62.1%	68.3%	5,639,632
Pennsylvania	62.1%	84.3%	12,801,989
Illinois	61.1%	67.0%	12,671,821
Delaware	60.9%	71.3%	973,764
Florida	60.9%	71.2%	21,477,737
Hawaii	60.7%	81.4%	1,415,872
Wisconsin	59.3%	65.2%	5,822,434
Nebraska	57.1%	63.5%	1,934,408
Iowa	56.4%	61.9%	3,155,070
Utah	55.2%	63.6%	3,205,958

57.9%
Total US population
fully vaccinated
(**579,332 per million**)

67.8%
Population Age 12+
fully vaccinated
(**678,375 per million**)

68.0%
Total US population
having received
at least 1 dose
(**679,817 per million**)

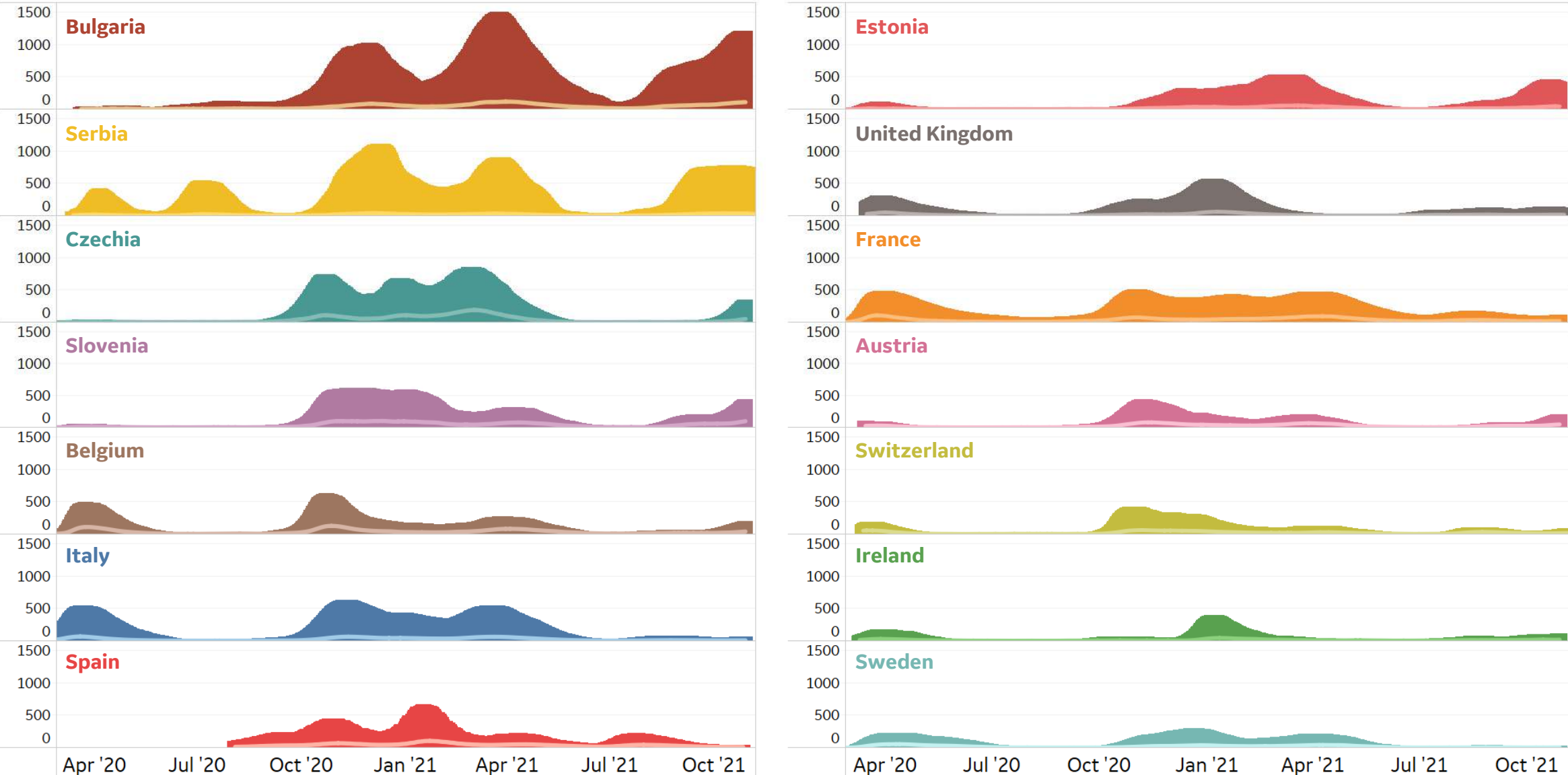
79.6%
Population Age 12+
having received
at least 1 dose
(**796,039 per million**)

State	% Fully Vaccinated	% Rec'd at Least 1 Dose	Population
Texas	54.4%	63.5%	28,995,881
Arizona	54.4%	63.6%	7,278,717
Michigan	54.4%	60.6%	9,986,857
Kansas	54.3%	65.4%	2,913,314
Nevada	54.2%	65.8%	3,080,156
South Dakota	54.1%	65.3%	884,659
Alaska	53.9%	61.9%	731,545
North Carolina	53.8%	68.7%	10,488,084
Ohio	52.8%	57.9%	11,689,100
Kentucky	51.8%	59.7%	4,467,673
Montana	51.6%	59.1%	1,068,778
Oklahoma	51.2%	62.1%	3,956,971
South Carolina	51.1%	59.7%	5,148,714
Missouri	50.7%	59.2%	6,137,428
Indiana	50.5%	55.4%	6,732,219
Georgia	49.3%	58.4%	10,617,423
Tennessee	49.2%	56.2%	6,829,174
Arkansas	49.0%	59.9%	3,017,804
Louisiana	48.6%	55.1%	4,648,794
North Dakota	48.4%	57.1%	762,062
Mississippi	46.8%	53.4%	2,976,149
Alabama	45.8%	56.0%	4,903,185
Wyoming	45.2%	53.0%	578,759
Idaho	45.0%	50.4%	1,787,065
West Virginia	41.5%	53.8%	1,792,147



Feature: COVID Hospitalizations

New COVID Hospitalizations / 1M (bars) and New COVID Patients in ICU / 1M (lines) 7 day moving avgs



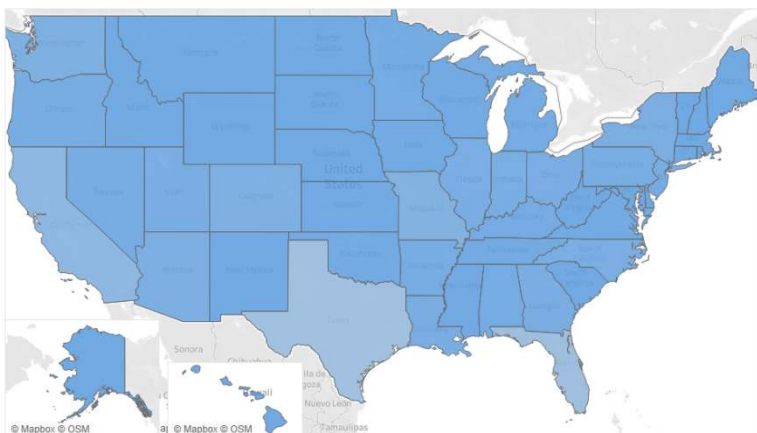


Feature: Average New Cases Trending by State

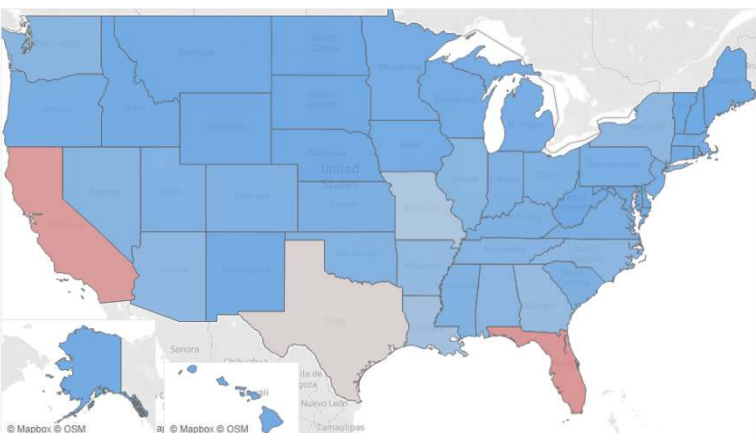
Updated 23 Nov 2021, 3:30 GMT 14

Avg New Cases per 1M
Over Last 14 Days
0 7,000

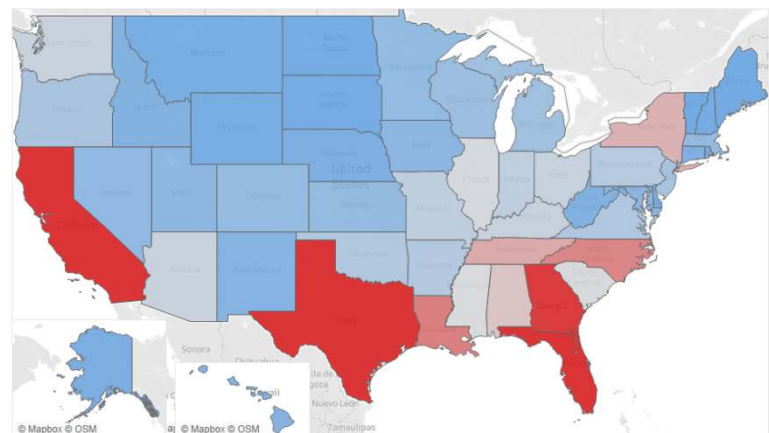
22 June 2021



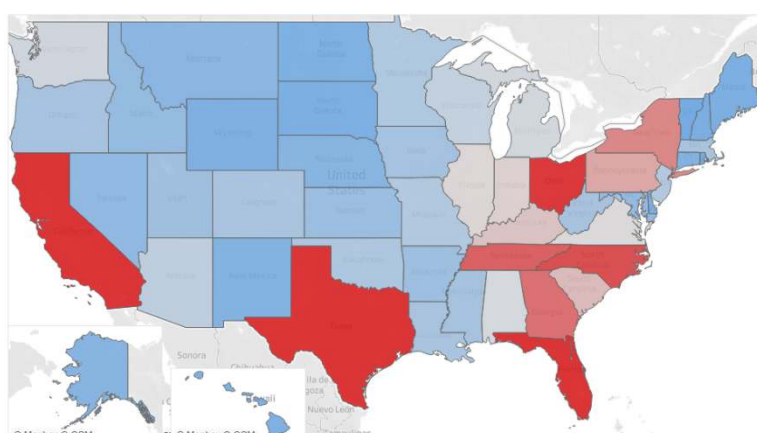
22 July 2021



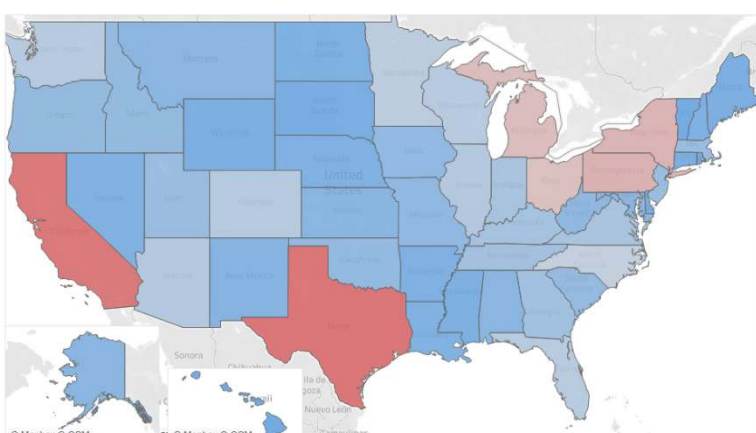
22 August 2021



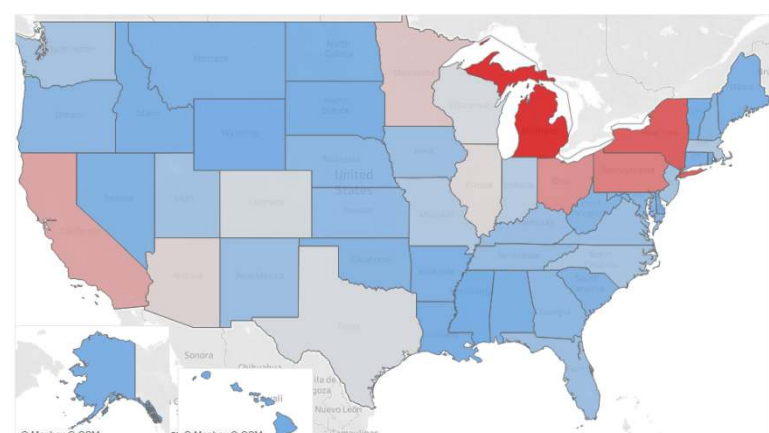
22 September 2021



22 October 2021



22 November 2021

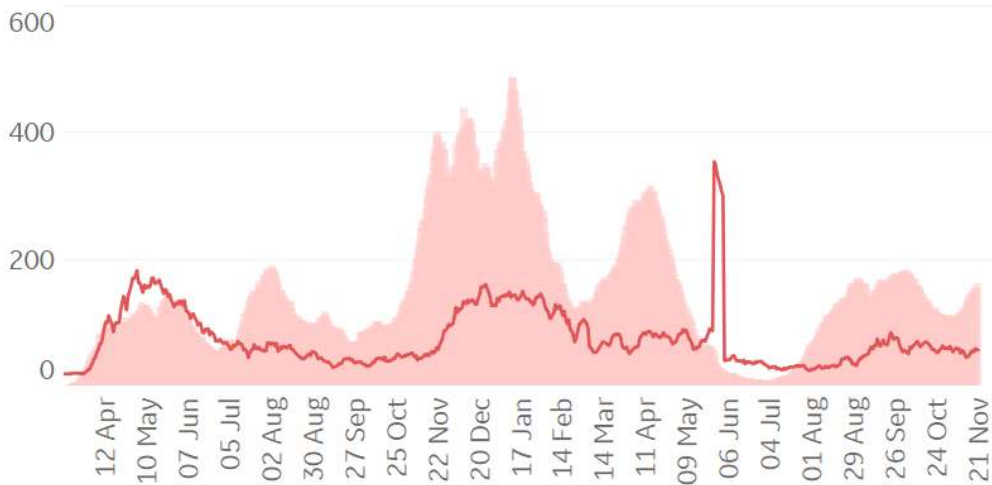




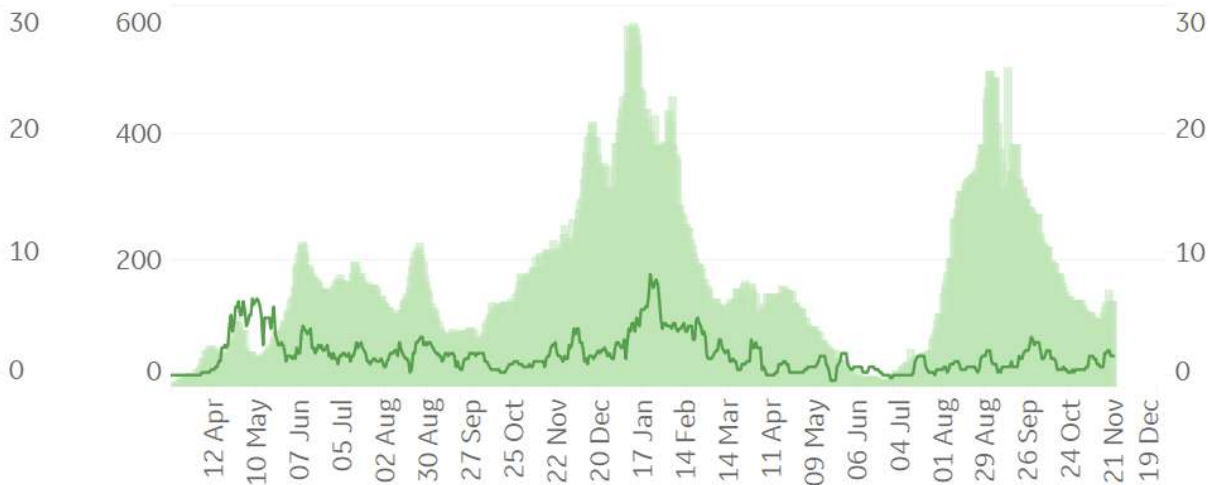
Feature: Trends in CC Ecosystem Cities



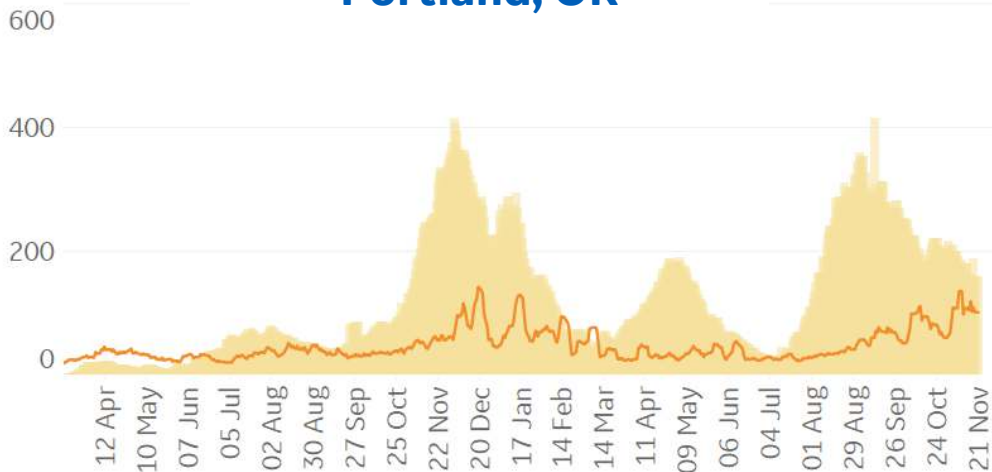
Baltimore, MD



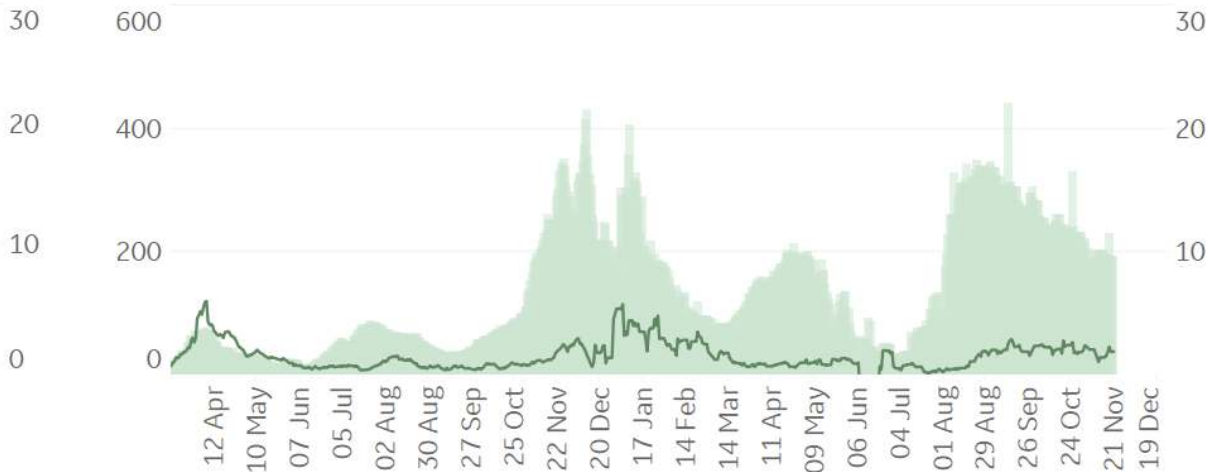
Durham, NC



Portland, OR



Seattle, WA

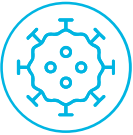


Daily New Confirmed Cases / 1M (Bars)

7-day Rolling Avg

Daily New Deaths / 1M (Lines)

7-day Rolling Avg



Feature: Trends in CC Ecosystem Cities

Updated 23 Nov 2021, 3:30 GMT

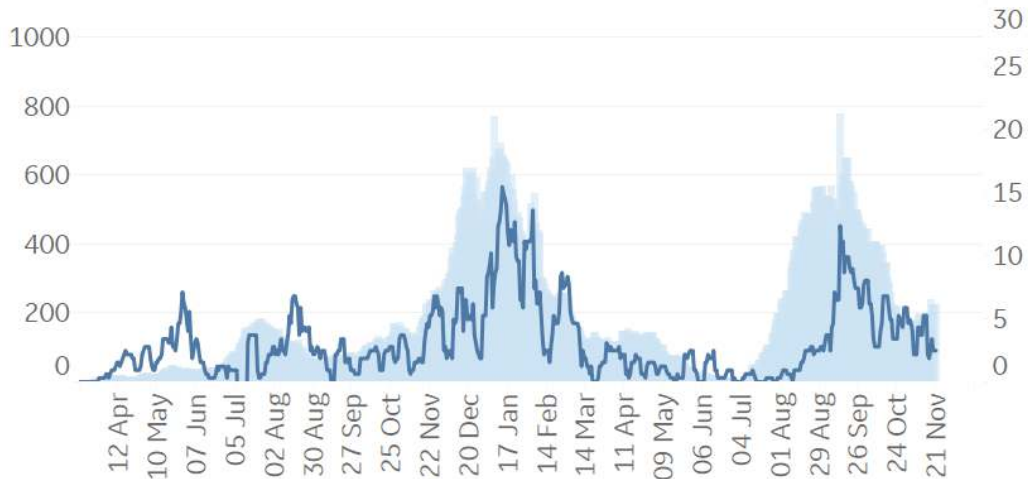
16

Asheville, NC

Bradford, UK

Daily New Confirmed Cases / 1M (Bars)

7-day Rolling Avg



Miami, FL

Orlando, FL



Daily New Deaths / 1M (Lines)
7-day Rolling Avg

*Bradford last updated 4/16

*Miami and Orlando county deaths last updated 6/6



Feature: Trends in CC Ecosystem Cities

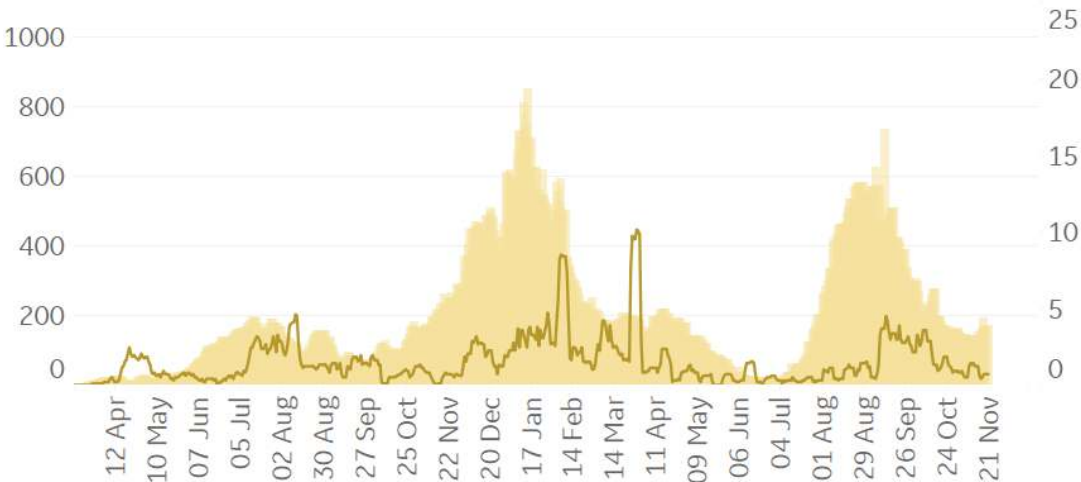
Daily New Confirmed Cases / 1M (Bars)

7-day Rolling Avg

Philadelphia, PA



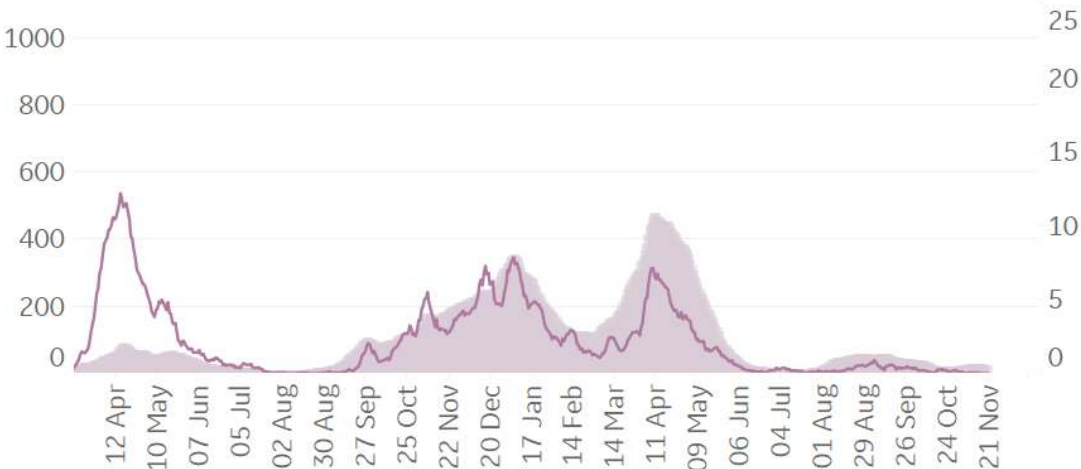
Raleigh, NC



Tampa, FL



Toronto, CA



Daily New Deaths / 1M (Lines)
7-day Rolling Avg

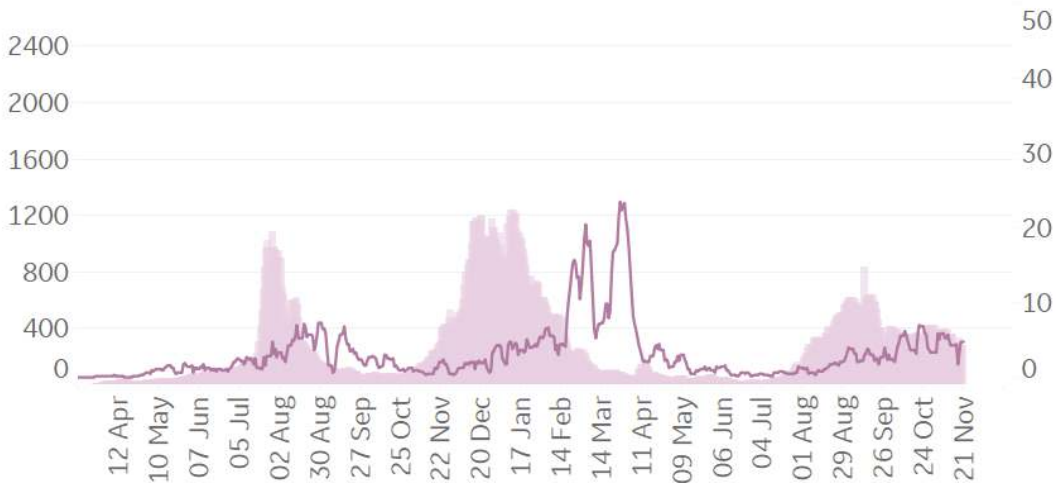
*Tampa county deaths last updated 6/6



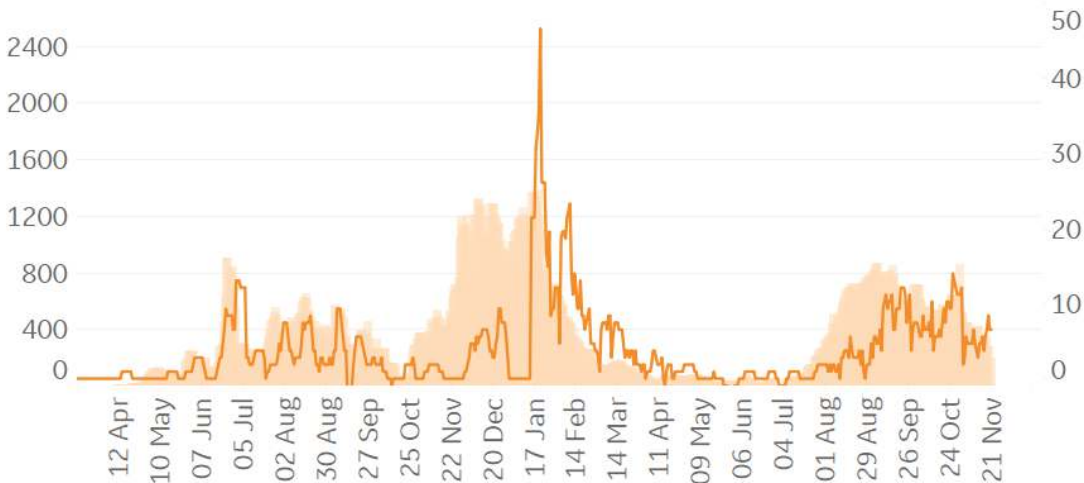
Feature: Trends in CC Ecosystem Cities



Bakersfield, CA



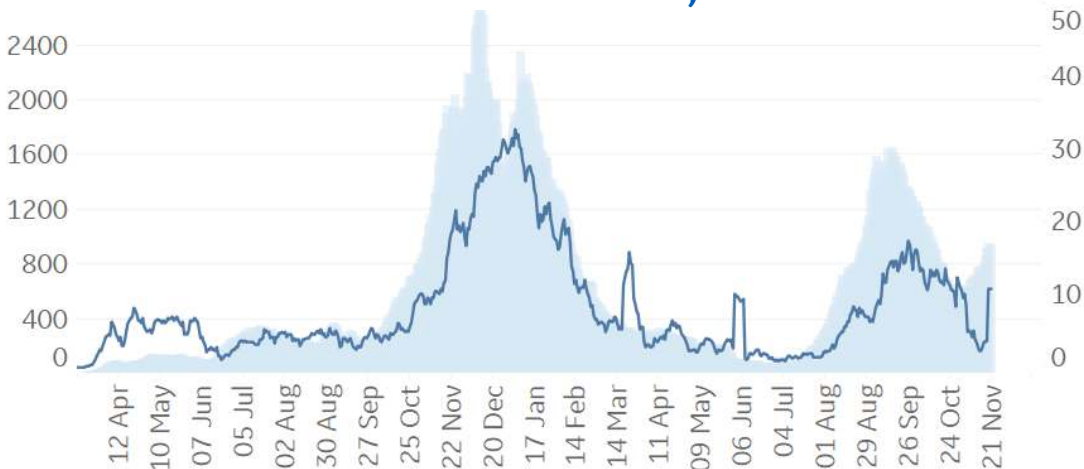
Hanford, CA



Los Angeles, CA



Cincinnati, OH



Daily New Confirmed Cases / 1M (Bars)

7-day Rolling Avg

Daily New Deaths / 1M (Lines)

7-day Rolling Avg



Europe & Middle East

Updated 23 Nov 2021, 3:30 GMT

Per 1M in Region

	Today	Change
Active Cases	87,825	+0.3%
Confirmed	262	+0.3%
Deaths	2	+0.1%
Recovered	209	+0.3%

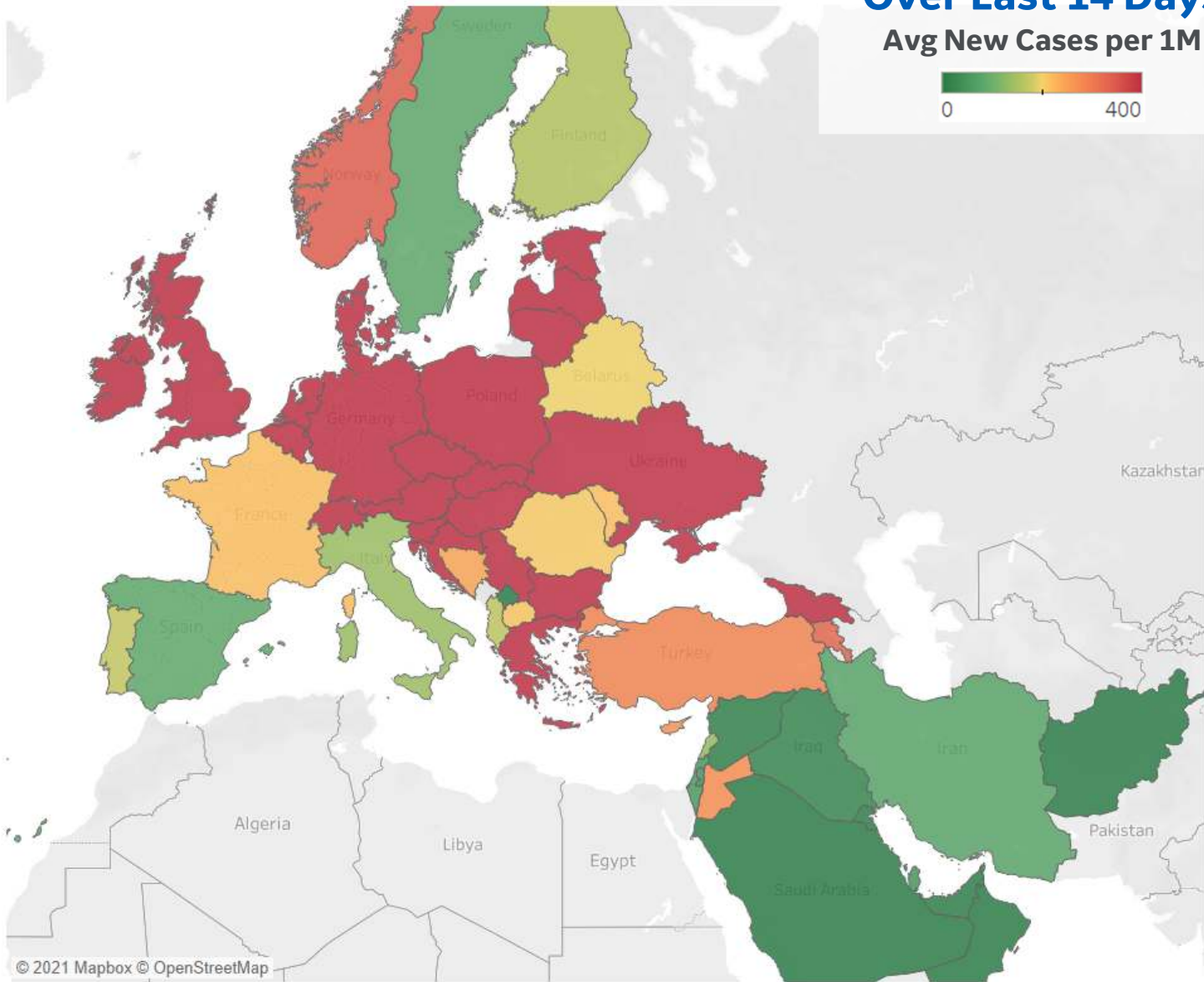
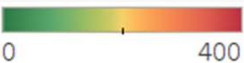
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Slovakia	1,671	8
Slovenia	1,536	8
Austria	1,370	4
Croatia	1,201	14
Czechia	1,195	7
Georgia	1,063	19
Belgium	1,029	3
Netherlands	1,008	2
Ireland	862	2
Hungary	786	12
Lithuania	746	11
Estonia	661	7
Greece	644	7
Denmark	596	1
UK	579	2

Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M

Over Last 14 Days

Avg New Cases per 1M





Mexico

Per 1M in Region

	Today	Change
Active Cases	27,702	+0.1%
Confirmed	17	+0.1%
Deaths	1	+0.1%
Recovered	-1	+0.0%

Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Baja California	100	6
Sonora	60	3
Distrito Federal	52	1
Coahuila	49	2
Baja California Sur	46	1
Guanajuato	40	3
Chihuahua	38	2
Querétaro	32	1
Aguascalientes	31	2
San Luis Potosí	26	2
Yucatán	21	4
Nacional	21	2
Durango	19	1
Nuevo León	19	2
Tabasco	18	2

Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M

Over Last 14 Days

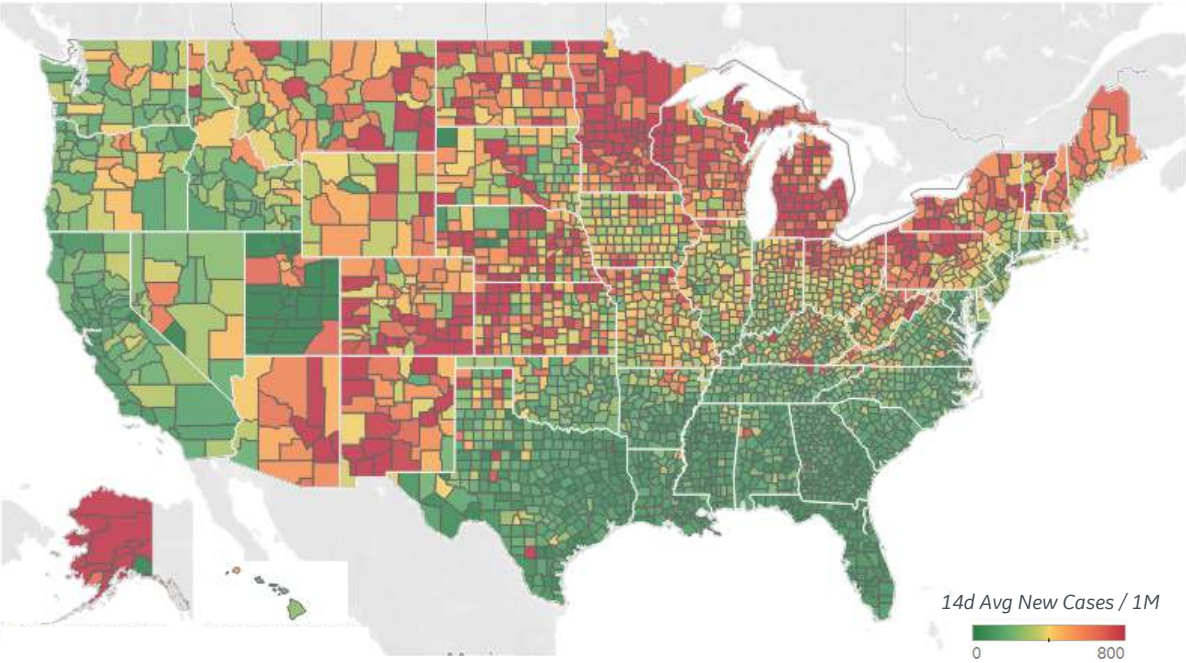
Avg New Cases per 1M





US Counties: Recent Cases and Deaths

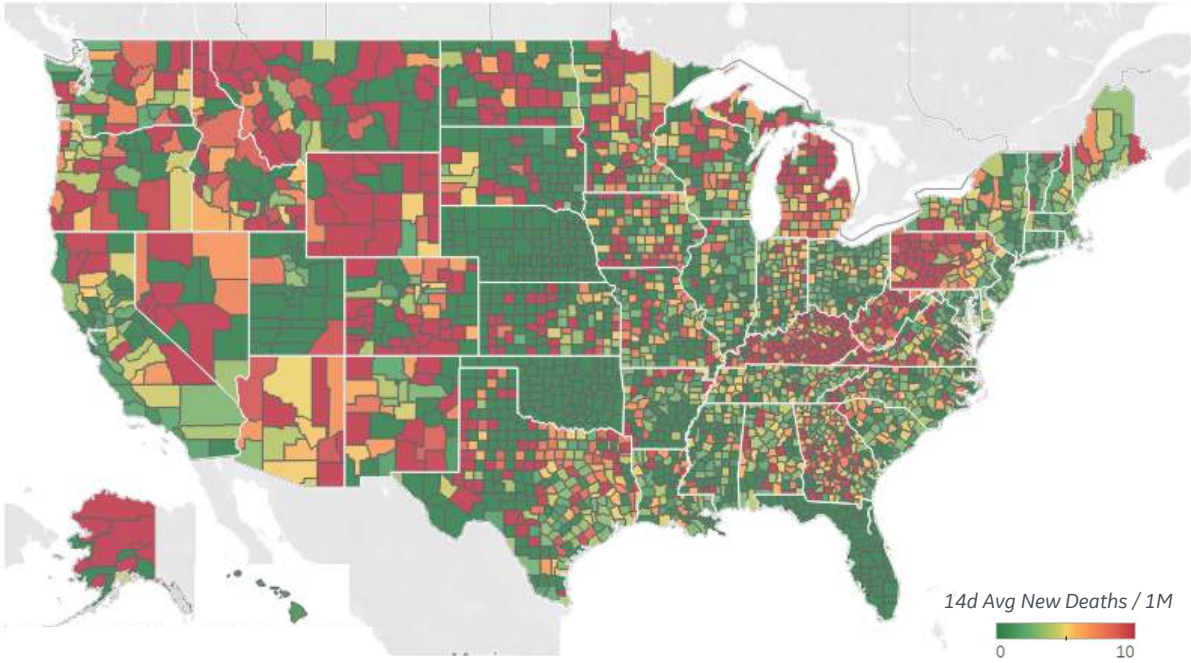
Average New Cases per 1M Over Last 14 Days



Top 10 by New Confirmed Avg New Confirmed Cases / 1M

Ottawa County, MI	954
Kent County, MI	836
Erie County, PA	827
Anoka County, MN	755
Genesee County, MI	730
Washington County, MN	724
Macomb County, MI	677
Dakota County, MN	674
Brown County, WI	663
Ingham County, MI	657

Average New Deaths per 1M Over Last 14 Days



Top 10 by New Deaths Avg New Deaths/ 1M

Merced County, CA	13
Anchorage Municipality, AK	10
Erie County, PA	8
York County, PA	8
Weld County, CO	8
Jefferson County, KY	8
Ottawa County, MI	8
Washoe County, NV	8
Yakima County, WA	7
Genesee County, MI	7

Note: Lists includes counties ≥ 250K population

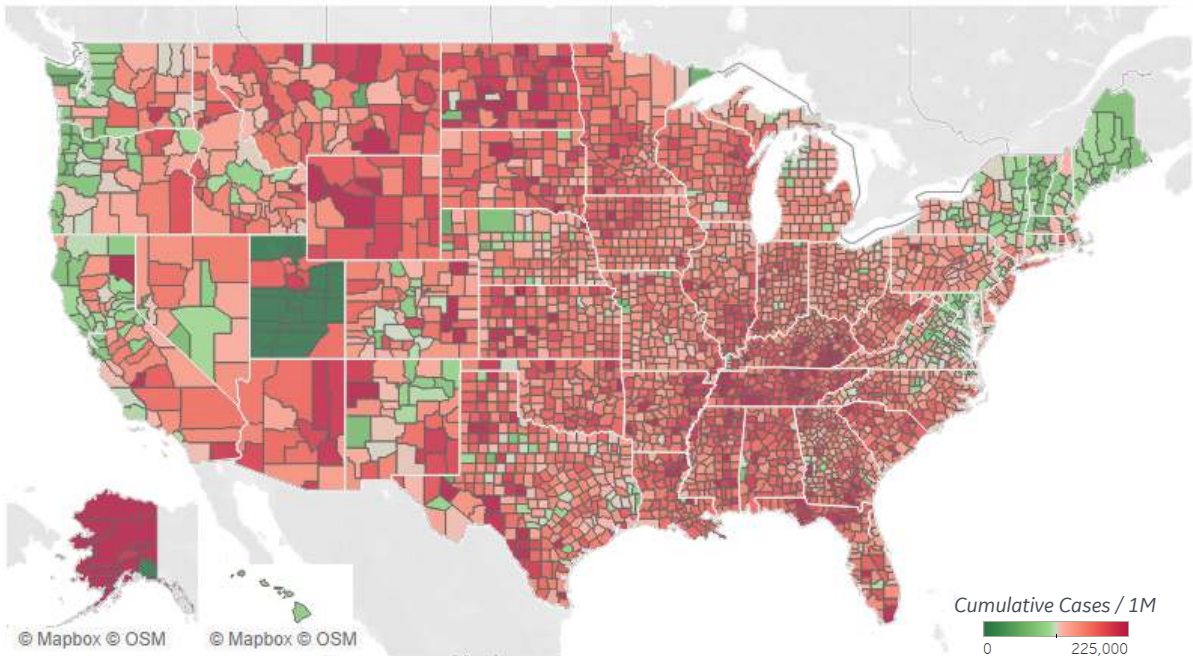
*Data last updated 12 October
*Nebraska data not available



US Counties: Cumulative Cases and Deaths

Updated 23 Nov 2021, 3:30 GMT 22

Confirmed **Cases** per 1M to date

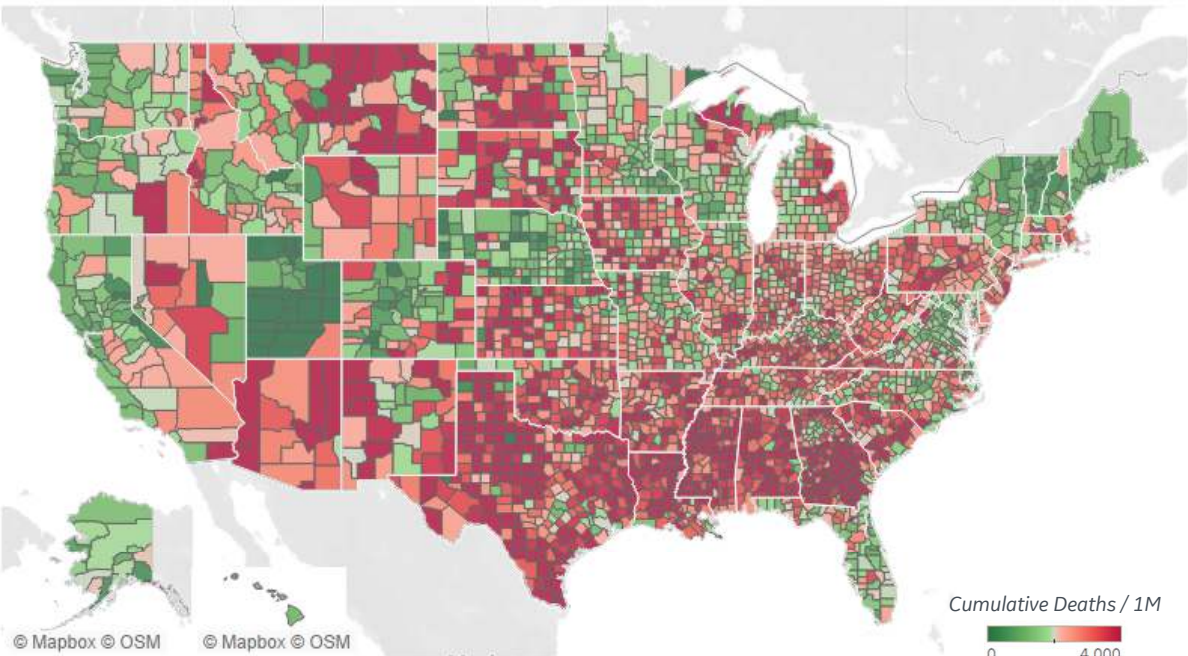


Top 10 Counties

Total Confirmed Cases / 1M

Miami-Dade County, FL	251,936
Lubbock County, TX	215,891
Anchorage Municipality, AK	209,649
Utah County, UT	208,775
Webb County, TX	206,400
Greenville County, SC	204,167
Spartanburg County, SC	196,166
Osceola County, FL	194,674
Rutherford County, TN	190,006
Galveston County, TX	189,978

Reported **Deaths** per 1M to date



Top 10 Counties

Total Reported Deaths/ 1M

New York City*	6,469
Cameron County, TX	4,289
Passaic County, NJ	4,045
Hidalgo County, TX	4,016
Essex County, NJ	3,970
Ocean County, NJ	3,938
Spartanburg County, SC	3,843
Union County, NJ	3,688
Hampden County, MA	3,626
Hudson County, NJ	3,566

*Data last updated 12 October

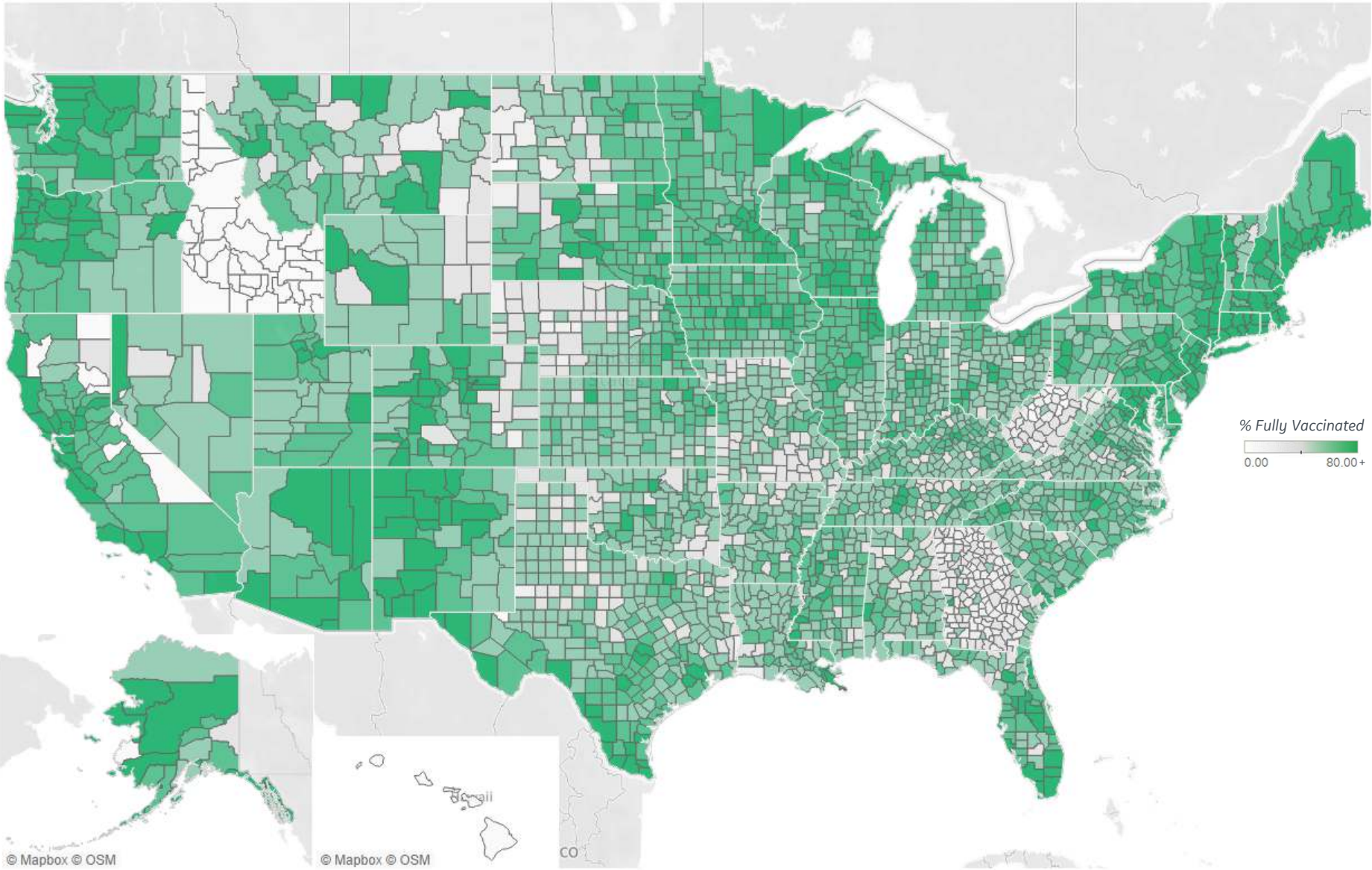
* New York City counties aggregated into one reporting area

Note: Lists includes counties $\geq 250K$ population



US Counties: Fully Vaccinated (12+) Population

Updated 23 Nov 2021, 3:30 GMT 23



Top 20 Counties

Population Age 12+ Fully Vaccinated

Webb County, TX	95
Montgomery County, MD	92
Marin County, CA	89
Cumberland County, ME	89
Miami-Dade County, FL	89
Howard County, MD	89
Santa Clara County, CA	89
Dane County, WI	86
San Mateo County, CA	85
Fairfield County, CT	85
Contra Costa County, CA	84
Nassau County, NY	84
El Paso County, TX	84
King County, WA	84
San Francisco County, CA	83
Alameda County, CA	83
Westchester County, NY	83
Fairfax County, VA	82
New London County, CT	82
Cameron County, TX	82

* Data last updated 12 October 2021

* New York City counties aggregated into one reporting area

* Data not available for Hawaii, Idaho, Texas, and some counties in Georgia, West Virginia

Note: Lists includes counties ≥ 250K population



Canada

Per 1M in Region

	Today	Change
Active Cases	45,688	+0.2%
Confirmed	104	+0.2%
Deaths	1	+0.2%
Recovered	67	+0.2%

Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Saskatchewan	123	3
Manitoba	105	1
Alberta	98	1
British Columbia	95	1
Quebec	68	0
Ontario	32	0

Over Last 14 Days

Avg New Cases per 1M



Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M



Central & South America

Per 1M in Region

	Today	Change
Active Cases	79,465	+0.04%
Confirmed	32	+0.04%
Deaths	0.4	+0.02%
Recovered	31	+0.04%

Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Trinidad and Tobago	336	10
Chile	127	1
Dom. Rep.	96	0
Bolivia	68	1
Uruguay	53	1
Colombia	46	1
Brazil	46	1
Costa Rica	45	2
Panama	43	0
Peru	36	1
Guatemala	33	2
Cuba	30	0
Venezuela	30	0
Argentina	29	0
Jamaica	25	2

Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M





Brazil

Per 1M in Region

	Today	Change
Active Cases	100,699	+0.0%
Confirmed	24	+0.0%
Deaths	0.3	+0.0%
Recovered	28	+0.0%

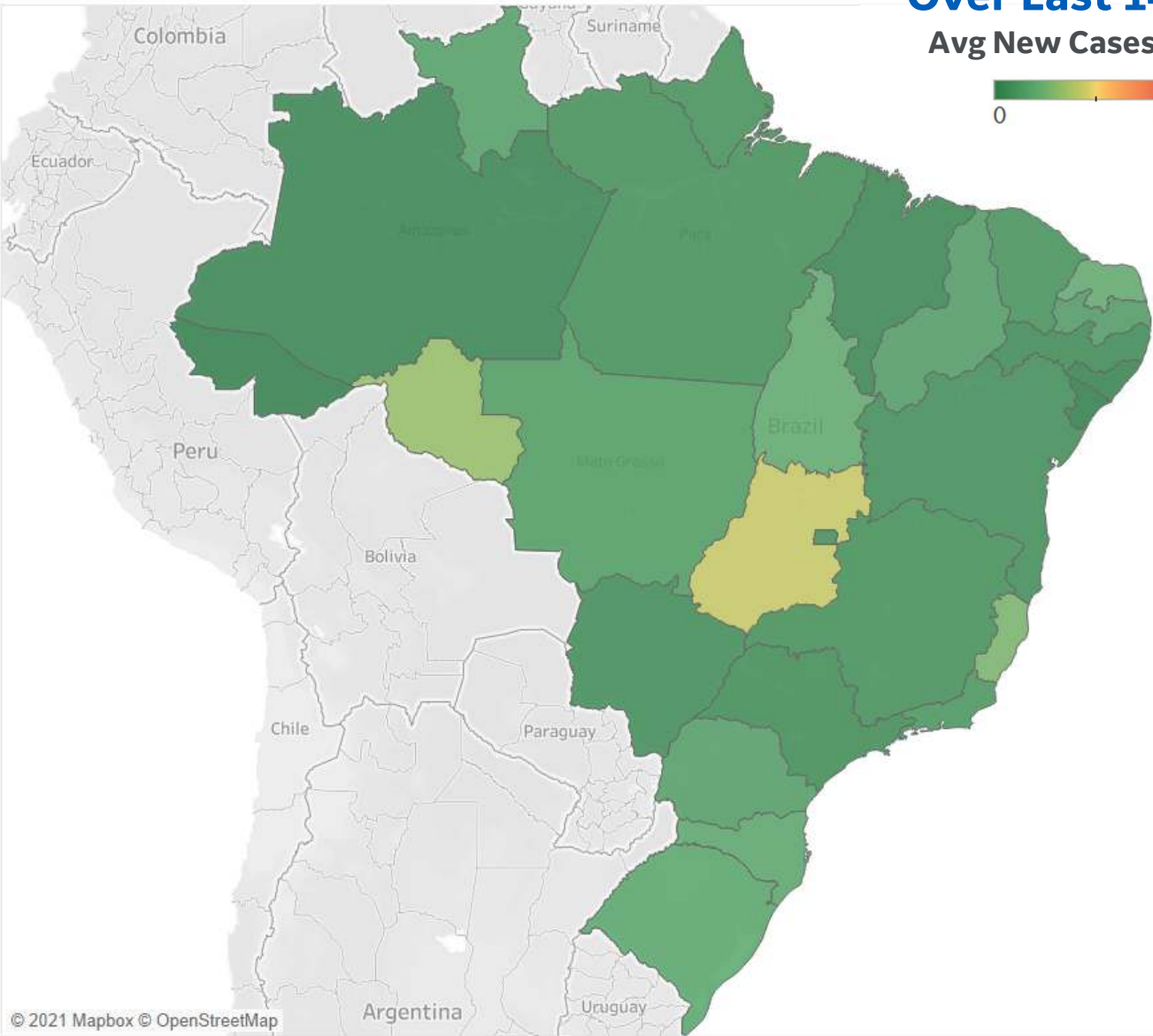
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Goiás	175	1
Rondônia	133	1
Espírito Santo	109	2
Rio Grande do Norte	85	1
Tocantins	81	1
Santa Catarina	76	2
Rio Grande do Sul	73	2
Paraná	62	1
Piauí	59	1
Paraíba	57	1
MatoGrosso	56	1
Rio de Janeiro	45	1
Ceará	38	1
Pará	36	1
Minas Gerais	36	1

Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M

Over Last 14 Days

Avg New Cases per 1M





Per 1M in Region

	Today	Change
Active Cases	15,009	+0.1%
Confirmed	18	+0.1%
Deaths	0.4	+0.2%
Recovered	19	+0.1%

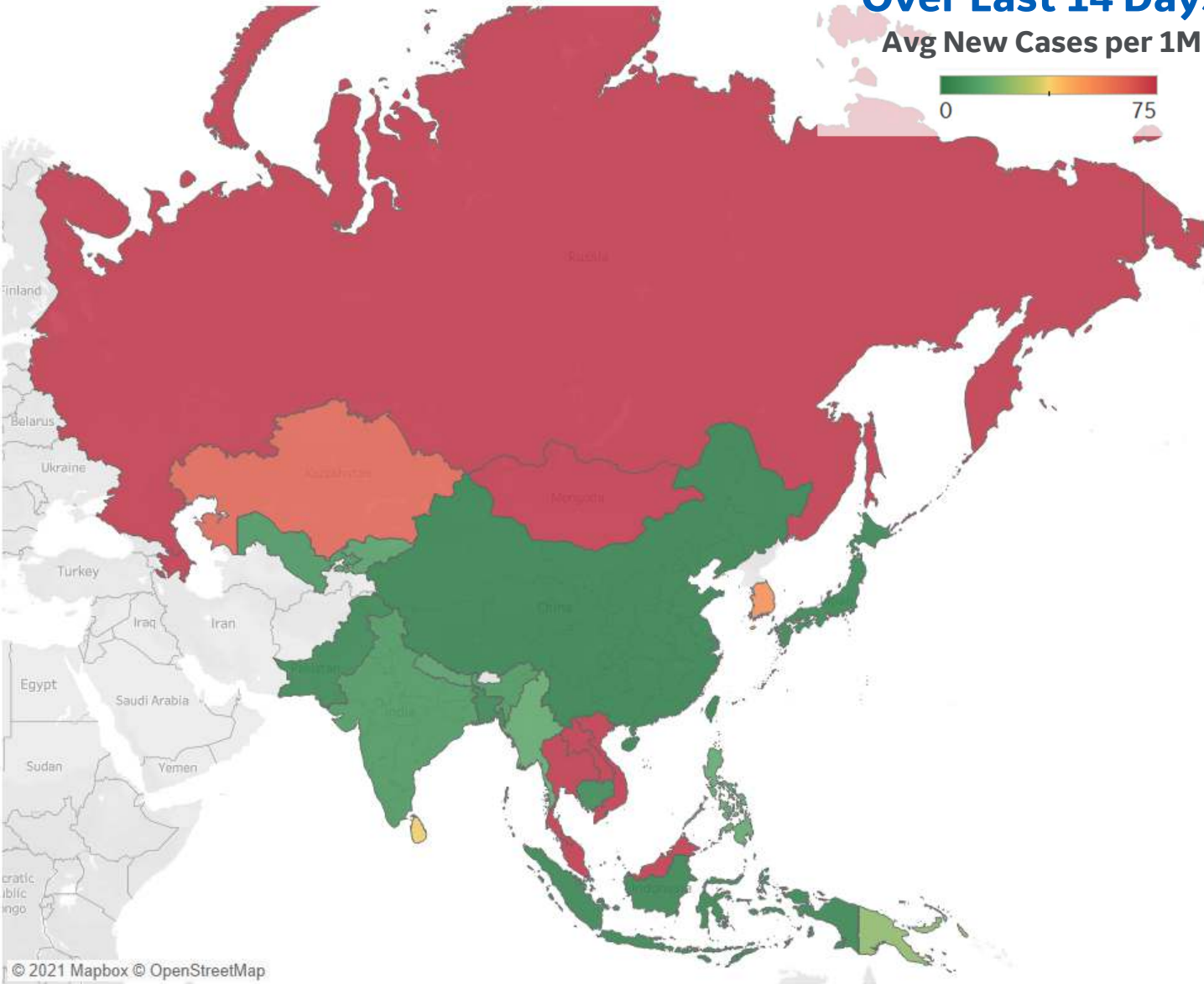
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Singapore	413	2
Russia	254	8
Mongolia	224	3
Azerbaijan	188	3
Malaysia	177	2
Laos	148	0
Thailand	99	1
Vietnam	92	1
Kazakhstan	64	1
South Korea	51	0
Sri Lanka	38	1
Papua New Guinea	24	1
Philippines	15	2
Myanmar	15	0
Kyrgyzstan	11	0

Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M

Over Last 14 Days

Avg New Cases per 1M





Oceania

Per 1M in Region

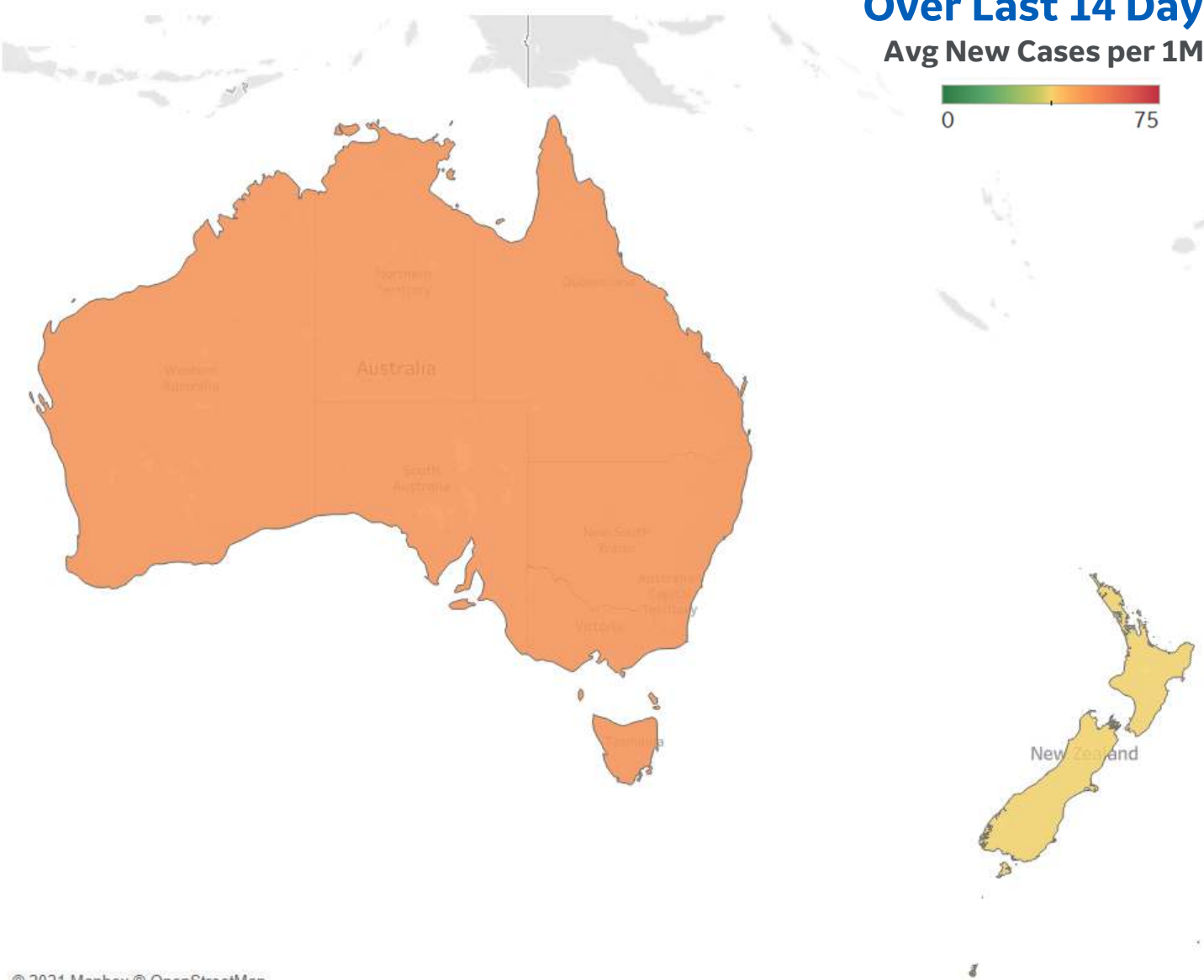
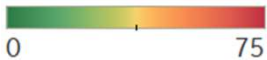
	Today	Change
Active Cases	8,315	+0.5%
Confirmed	45	+0.5%
Deaths	0.2	+0.2%
Recovered	46	+0.6%

Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Australia	51	0
New Zealand	37	0

Over Last 14 Days

Avg New Cases per 1M



Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M



Africa

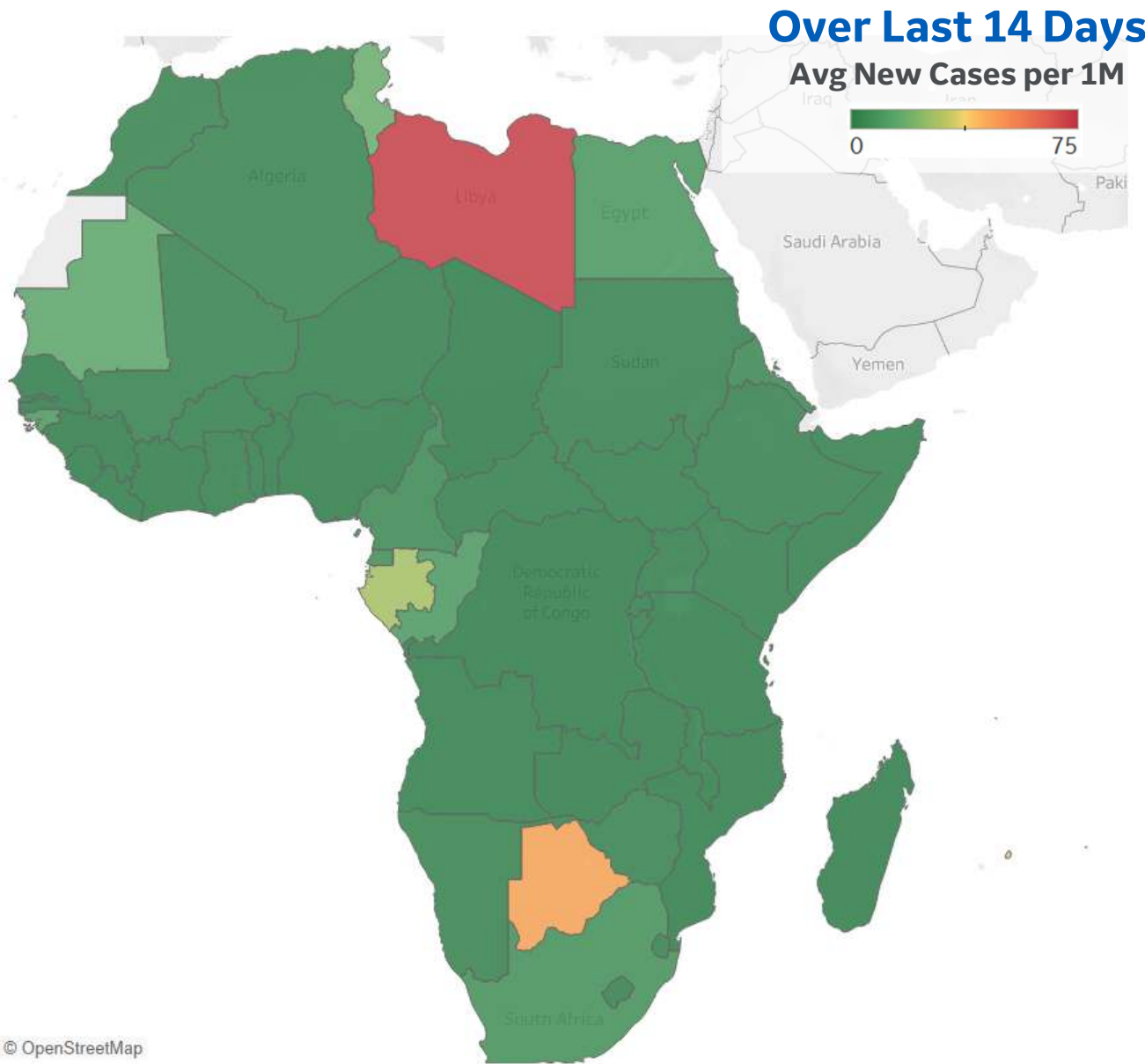
Per 1M in Region

	Today	Change
Active Cases	6,253	+0.04%
Confirmed	2	+0.04%
Deaths	0.1	+0.1%
Recovered	2	+0.0%

Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Libya	72	2
Botswana	46	0
Mauritius	37	2
Gabon	28	1
Tunisia	18	0
Mauritania	15	0
Guinea-Bissau	10	0
Congo (Brazzaville)	10	1
Egypt	9	1
South Africa	7	0
Eq. Guinea	7	0
Cameroon	5	0
Eritrea	5	0
Morocco	3	0
Algeria	3	0

Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M





Sources



** Per 1M = Per 1 Million Population unless otherwise noted

Johns Hopkins Coronavirus Resource Center:

<https://coronavirus.jhu.edu/map.html>

Worldometer Coronavirus Reporting:

<https://www.worldometers.info/coronavirus/>

Public Health England:

<https://www.gov.uk/government/publications/covid-19-track-coronavirus-cases>

US Department of Homeland Security, Homeland Infrastructure Foundation-Level Data:

<https://hifld-geoplatform.opendata.arcgis.com/datasets/hospitals>

National Health Commission of the PRC:

<http://www.nhc.gov.cn/xcs/yqtb/202003/bf66696029ba420098164607240074f8.shtml>

CDC, Severe Outcomes Among Patients with Coronavirus Disease 2019 (COVID-19):

<https://www.cdc.gov/mmwr/volumes/69/wr/mm6912e2.htm>

Italian Department of Civil Protection, COVID Monitoring:

<http://opendatadpc.maps.arcgis.com/apps/opsdashboard/index.html#/b0c68bce2cce478eaac82fe38d4138b1>

The COVID Tracking Project:

<https://covidtracking.com/data/>

UK Office for National Statistics:

<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/deathsregisteredweeklyinenglandandwalesprovisional/weekending24april2020>

European Centre for Disease Prevention and Control:

<https://www.ecdc.europa.eu/en/publications-data/download-data-hospital-and-icu-admission-rates-and-current-occupancy-covid-19>

Secretary of Health, Mexico:

<https://www.gob.mx/salud/en>

Canada Regional Data:

<https://health-infobase.canada.ca/covid-19/epidemiological-summary-covid-19-cases.html#fn1>

Canada Regional Populations (Q4 2019):

<https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1710000901>

CDC COVID Data Tracker:

<https://covid.cdc.gov/covid-data-tracker/#vaccinations>

Oxford COVID-19 Government Response Tracker:

<https://www.bing.com/search?q=oxford+stringency+index+countries&PC=U316&FORM=CHROMN>

Worldwide Survival Rate, last 30d calculation =

$$\frac{[(Total\ Confirmed - Total\ Confirmed\ 30d\ ago) - (Total\ Deaths - Total\ Deaths\ 30d\ ago)]}{(Total\ Confirmed - Total\ Confirmed\ 30d\ ago)}$$

U.S. Department of Health and Human Services:

<https://healthdata.gov/dataset/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/4cnb-m4rz/data>

CDC COVID-19 Deaths by Age:

<https://data.cdc.gov/resource/3apk-4u4f.csv>

US Population by Age:

<https://wonder.cdc.gov/>

U.S. Department of Health and Human Services:

<https://healthdata.gov/dataset/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/4cnb-m4rz/data>

US & UK Excess Deaths:

<https://mpidr.shinyapps.io/stmortality/>