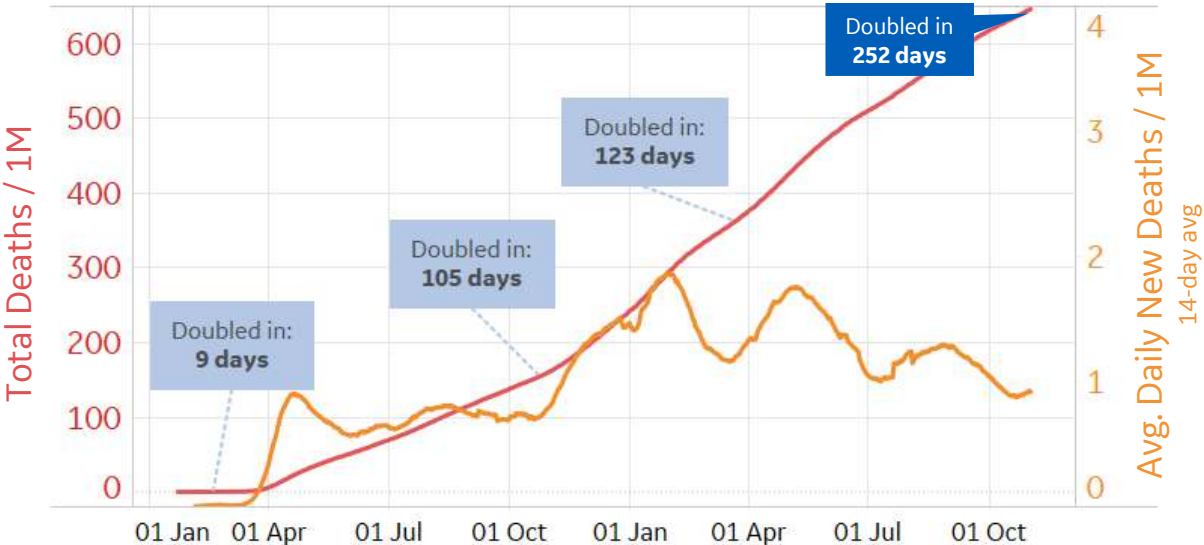
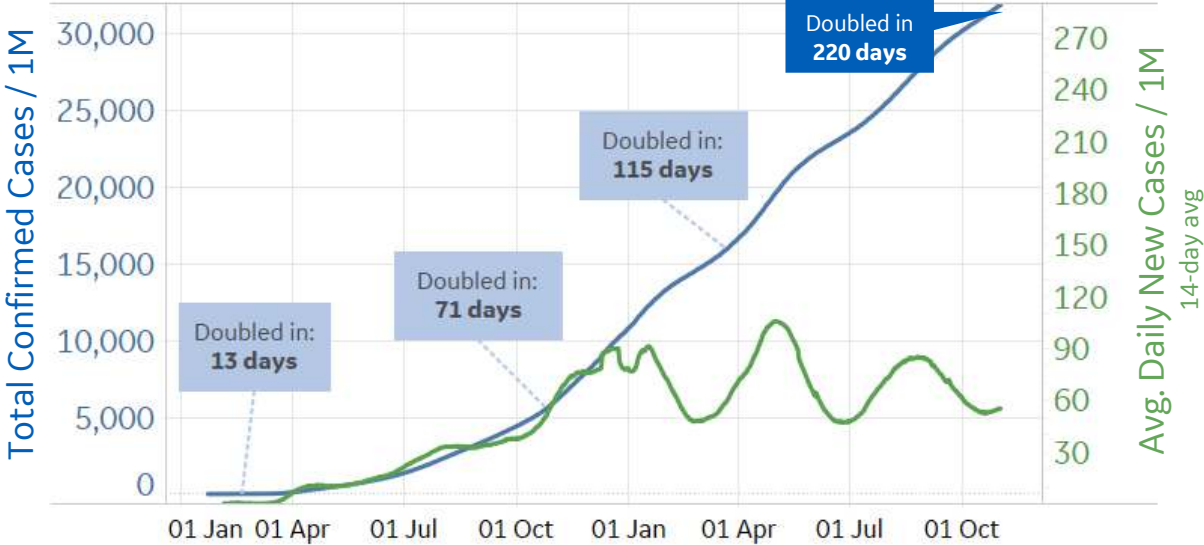




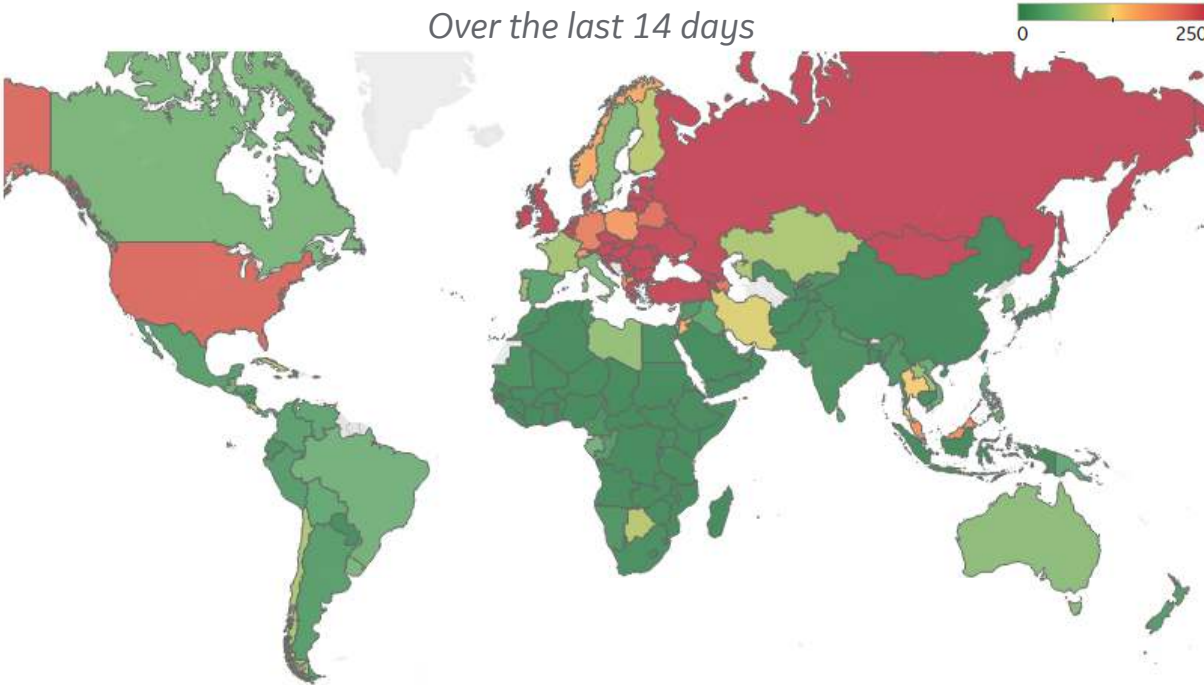
Global Confirmed Cases & Deaths

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	55	+5%
Confirmed	55	+5%
Deaths	1	+4%
Recovered	54	+6%
Worldwide Survival Rate	To Date 98.0%	Last 30 Days 98.3%

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



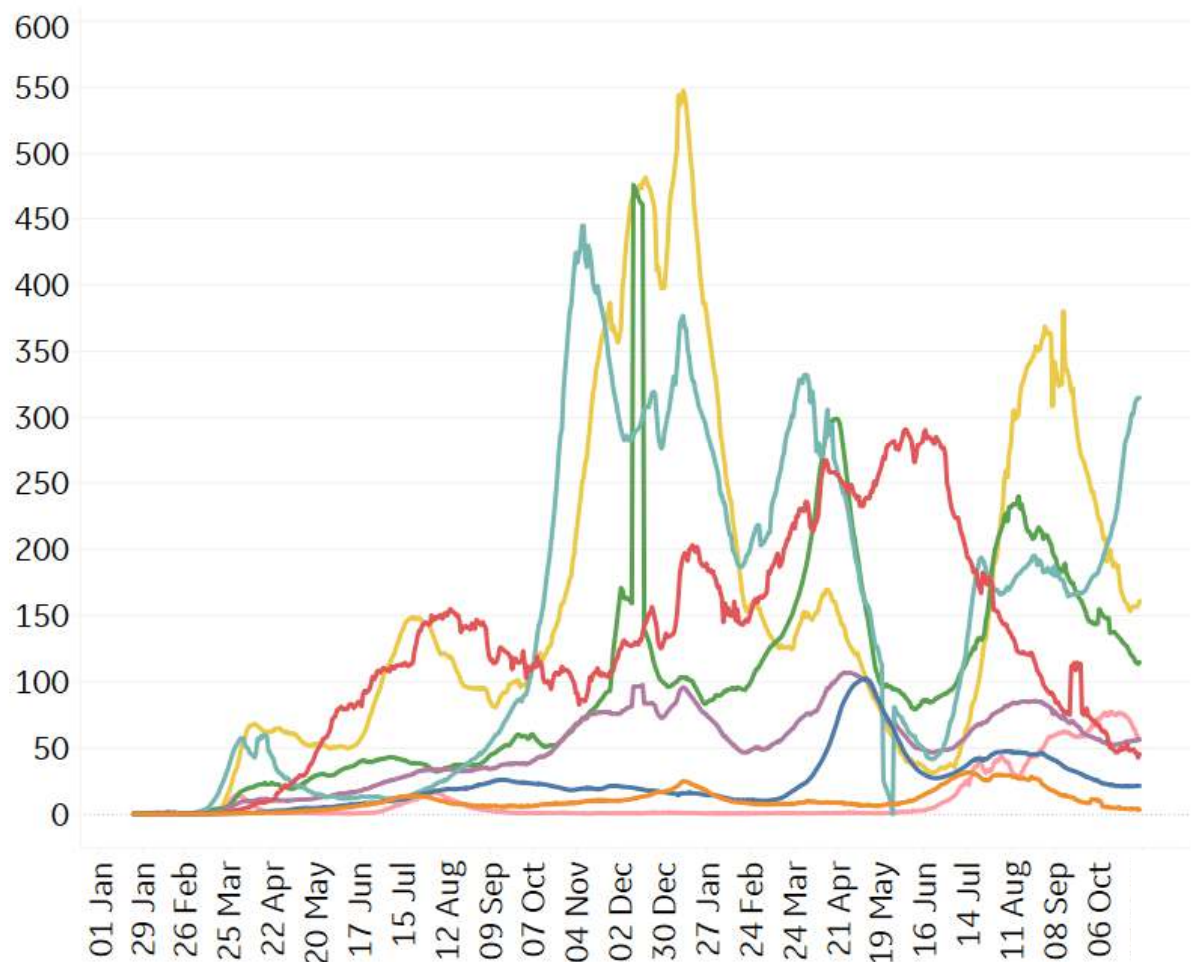
New Confirmed Cases & New Deaths

Updated 2 Nov 2021, 3:30 GMT 2

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

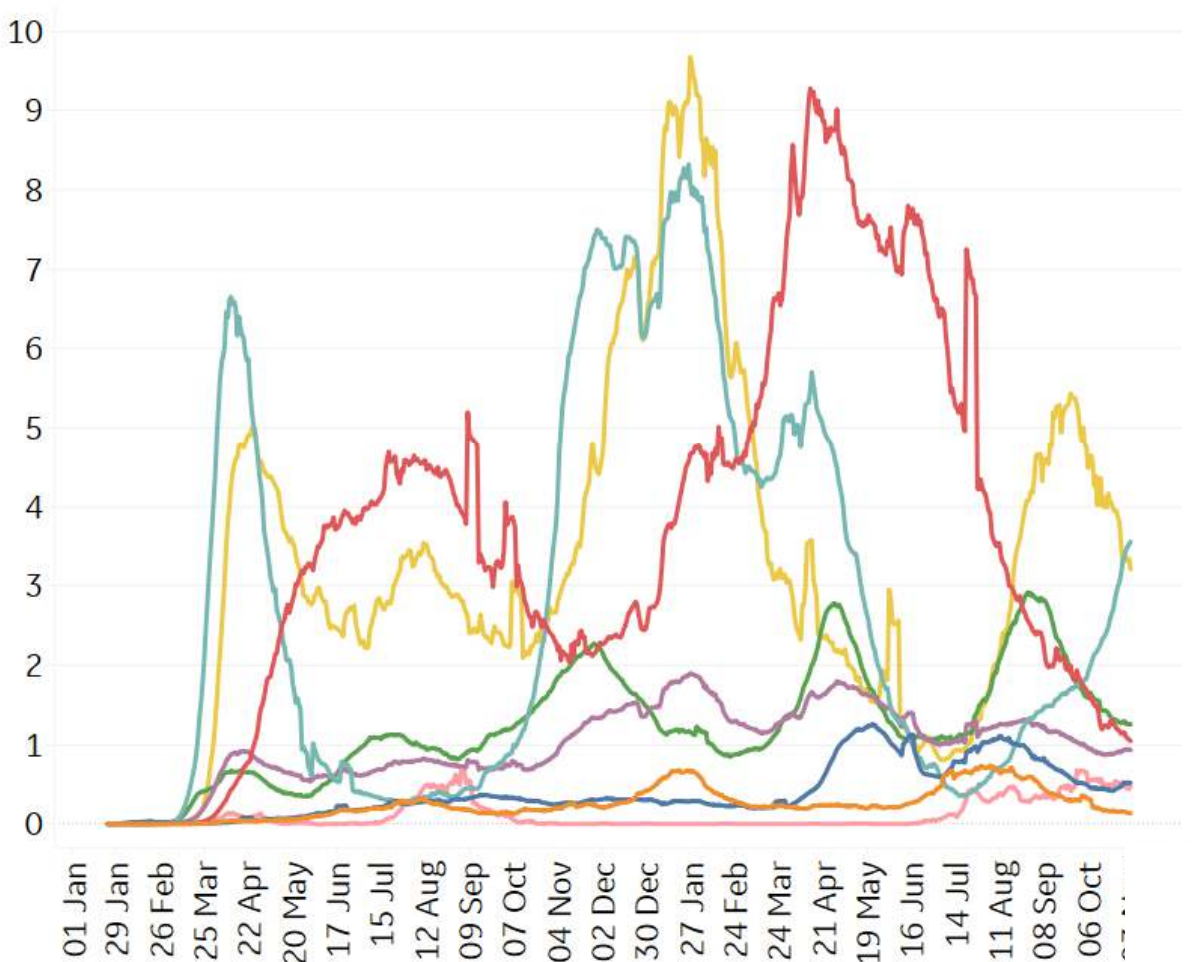
New Confirmed Cases / 1M

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

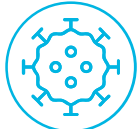


1 - 25	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Bulgaria	682	20	87,573	75,022	3,498	71%	43%
North Macedonia	192	6	97,297	91,223	3,430	21%	-26%
Hungary	357	5	90,538	83,383	3,197	232%	178%
Czechia	458	2	164,876	156,779	2,874	258%	191%
Brazil	53	1	102,629	99,003	2,860	-6%	-16%
Argentina	26	0	117,045	114,114	2,566	29%	-32%
Georgia	974	11	180,837	164,125	2,529	22%	31%
Colombia	32	1	98,343	95,420	2,502	11%	-8%
Romania	623	23	86,030	73,779	2,499	-3%	38%
Slovakia	738	3	88,949	77,824	2,389	120%	7%
Slovenia	1,133	4	162,154	146,106	2,288	130%	92%
US	226	4	139,249	133,912	2,257	-15%	-11%
Croatia	886	7	114,846	102,060	2,253	124%	55%
Belgium	400	1	117,402	108,980	2,243	93%	45%
Italy	73	1	78,972	75,872	2,185	54%	3%
Lithuania	1,078	13	150,822	133,787	2,172	28%	24%
Armenia	619	16	104,412	93,413	2,153	47%	41%
UK	609	2	134,644	123,686	2,078	7%	24%
Poland	205	2	80,064	75,677	2,035	201%	114%
Chile	100	1	88,762	85,492	1,976	67%	31%
Moldova	348	10	84,065	76,865	1,941	8%	40%
Spain	27	1	107,179	104,834	1,869	-5%	-33%
France	92	0	111,384	108,345	1,817	15%	-30%
EU	243	3	90,644	85,725	1,795	61%	37%
Portugal	80	0	107,009	104,145	1,781	26%	-38%

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	71	0	113,438	110,857	1,750	51%	0%
Latvia	1,246	17	116,590	97,339	1,733	34%	142%
Panama	33	0	109,546	107,324	1,695	-10%	-58%
Kosovo	10	0	87,122	85,387	1,613	-34%	-64%
Sweden	78	0	116,000	113,564	1,488	16%	-22%
Costa Rica	95	3	110,041	107,158	1,389	-49%	-39%
Switzerland	188	1	101,344	97,718	1,299	58%	36%
Austria	540	2	92,768	85,085	1,262	111%	29%
Lebanon	87	1	94,093	91,672	1,247	0%	7%
Estonia	1,299	8	147,287	129,507	1,161	53%	88%
Serbia	728	7	131,463	119,633	1,147	6%	18%
Ireland	484	2	90,820	83,287	1,101	43%	128%
Netherlands	435	1	127,209	120,903	1,101	111%	120%
Jordan	163	1	84,745	81,558	1,083	37%	23%
West Bank and G..	73	1	99,316	97,096	1,024	-86%	-78%
Botswana	79	0	79,639	77,242	1,024	-33%	-14%
Israel	69	1	153,453	151,308	936	-57%	-44%
Turkey	309	3	95,586	90,263	840	-9%	2%
Bahrain	22	0	162,716	161,494	819	-25%	0%
Cuba	72	1	84,106	81,981	727	-61%	-65%
Kuwait	5	0	96,640	95,985	577	-35%	-33%
Mongolia	414	3	110,221	103,433	535	-28%	-20%
Cyprus	129	0	103,071	100,871	476	12%	-9%
Qatar	36	0	83,086	82,395	212	37%	50%
Total World	56	1	31,902	30,483	646	5%	4%

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	108,189	1,164	40,359,271	38,168,914	799,388	61%	37%
US	74,742	1,303	46,091,924	44,325,210	747,033	-15%	-11%
Brazil	11,305	303	21,814,693	21,043,988	607,922	-6%	-16%
India	13,434	545	34,296,237	33,635,493	458,880	-16%	101%
Mexico	3,252	267	3,807,211	3,470,104	288,365	-34%	-28%
Russia	38,194	1,116	8,417,305	7,668,645	235,318	27%	13%
Peru	847	28	2,202,189	1,990,120	200,276	3%	-1%
Indonesia	612	27	4,244,761	4,091,961	143,423	-38%	-43%
UK	41,334	158	9,140,441	8,396,552	141,098	7%	24%
Italy	4,438	38	4,774,783	4,587,373	132,120	54%	3%
Colombia	1,627	30	5,003,977	4,855,264	127,311	11%	-8%
Iran	9,448	156	5,934,495	5,670,203	126,456	-13%	-24%
France	6,011	26	7,270,410	7,072,084	118,632	15%	-30%
Argentina	1,194	20	5,289,945	5,157,474	115,989	29%	-32%
Germany	19,119	99	4,619,273	4,292,743	95,838	87%	34%
South Africa	349	35	2,922,222	2,827,624	89,179	-46%	-30%
Spain	1,276	26	5,011,148	4,901,510	87,368	-5%	-33%
Poland	7,753	81	3,030,151	2,864,114	77,012	201%	114%
Ukraine	22,780	577	3,073,125	2,695,341	72,402	56%	83%
Turkey	26,028	212	8,061,636	7,612,659	70,828	-9%	2%
Romania	11,987	442	1,655,024	1,419,328	48,073	-3%	38%
Philippines	4,153	191	2,790,375	2,684,010	43,276	-49%	30%
Chile	1,905	13	1,696,786	1,634,288	37,777	67%	31%
Hungary	3,445	45	874,630	805,508	30,881	232%	178%
Czechia	4,910	21	1,765,654	1,678,941	30,775	258%	191%

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
Canada	2,082	28	1,725,362	1,664,312	29,052	-28%	-22%
Malaysia	5,681	69	2,476,268	2,367,146	28,975	-27%	-20%
Pakistan	602	11	1,274,017	1,237,184	28,466	-36%	-53%
Bangladesh	253	6	1,569,753	1,537,957	27,870	-44%	-51%
Belgium	4,635	15	1,360,650	1,263,039	25,994	93%	45%
Iraq	1,227	29	2,056,401	2,013,816	23,196	-24%	5%
Vietnam	4,877	56	926,720	845,090	22,131	12%	-39%
Thailand	8,719	66	1,920,189	1,774,552	19,260	-14%	-25%
Netherlands	7,451	15	2,179,710	2,071,660	18,862	111%	120%
Japan	828	10	1,723,645	1,697,463	18,282	-14%	-57%
Portugal	813	3	1,091,142	1,061,935	18,162	26%	-38%
Kazakhstan	1,648	28	1,021,452	980,387	17,150	-11%	-18%
Greece	3,900	44	747,595	681,043	15,990	50%	24%
Sweden	788	5	1,171,512	1,146,908	15,025	16%	-22%
Morocco	272	8	946,283	927,602	14,678	-40%	-43%
Nepal	469	8	813,011	794,144	11,416	-1%	3%
Austria	4,864	15	835,504	766,310	11,369	111%	29%
Switzerland	1,627	7	877,098	845,715	11,242	58%	36%
Jordan	1,664	12	864,661	832,152	11,052	37%	23%
Georgia	3,887	43	721,388	654,724	10,089	22%	31%
Serbia	6,361	64	1,148,645	1,045,278	10,018	6%	18%
Cuba	811	7	952,634	928,569	8,240	-61%	-65%
Israel	597	6	1,328,218	1,309,655	8,103	-57%	-44%
UAE	86	1	739,983	736,554	2,136	-28%	-6%
Total World	434,606	7,215	247,140,208	236,147,518	5,006,081	5%	4%

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	152	4	169,619	164,126	3,393	-20%	-37%
Alabama	348	5	169,739	162,912	3,176	38%	-44%
New Jersey	150	2	135,072	129,931	3,150	-16%	-2%
Louisiana	107	2	163,483	158,836	3,131	-24%	-37%
Arizona	412	6	160,879	152,612	2,906	42%	80%
New York	198	2	131,842	126,181	2,905	-19%	-2%
Florida	81	5	171,844	167,822	2,778	-39%	-39%
Arkansas	139	4	170,108	165,257	2,778	-29%	-60%
Massachusetts	190	1	124,081	118,578	2,757	-2%	-8%
Georgia	110	7	154,117	149,739	2,748	-41%	-17%
Rhode Island	203	1	169,879	164,413	2,718	-21%	0%
Oklahoma	155	6	163,092	157,882	2,707	-40%	189%
S. Carolina	162	5	174,700	169,709	2,671	-41%	-30%
South Dakota	369	3	175,079	167,019	2,533	18%	79%
Indiana	242	5	151,898	146,078	2,486	-20%	-20%
Nevada	184	5	142,931	137,767	2,485	6%	-22%
West Virginia	449	13	152,348	143,227	2,483	-24%	-13%
Connecticut	92	1	113,151	109,249	2,459	-16%	-29%
Texas	131	5	146,302	141,855	2,458	-37%	-29%
Pennsylvania	270	5	122,242	115,754	2,457	-19%	-6%
New Mexico	451	4	132,502	124,269	2,414	21%	0%
Tennessee	161	4	187,470	183,025	2,393	-50%	-18%
Michigan	428	5	128,721	120,691	2,376	-6%	39%
North Dakota	665	8	194,933	183,561	2,359	-10%	40%
Illinois	176	2	134,286	129,658	2,231	-9%	-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
Montana	668	14	165,587	153,049	2,214	-11%	14%
Iowa	439	5	154,080	146,607	2,208	19%	17%
Kansas	276	9	149,930	143,871	2,205	-3%	150%
Kentucky	276	6	166,832	160,556	2,197	-32%	-15%
Delaware	264	4	148,287	142,099	2,147	-28%	-2%
Ohio	289	0	132,413	126,182	2,098	-26%	-86%
Missouri	158	2	140,247	135,996	2,045	-17%	-33%
Wyoming	627	6	179,042	167,584	2,028	-12%	12%
Idaho	478	11	163,574	153,820	1,998	-18%	-14%
California	199	2	124,827	120,847	1,825	7%	18%
Maryland	121	2	92,912	89,379	1,804	-25%	-19%
N. Carolina	181	3	141,347	136,890	1,726	-33%	-30%
DC	120	1	91,350	88,011	1,688	-23%	17%
Virginia	156	4	108,722	104,727	1,638	-35%	-14%
Wisconsin	373	3	152,383	145,750	1,620	-22%	16%
Minnesota	627	3	141,496	132,887	1,564	0%	-3%
Nebraska	428	38	147,211	141,564	1,538	-6%	2844%
Colorado	505	4	129,864	121,882	1,434	20%	17%
Washington	259	3	95,879	90,134	1,137	29%	0%
New Hampshire	68	0	97,404	94,225	1,136	-63%	-49%
Oregon	267	3	87,158	82,425	1,038	-9%	-47%
Utah	469	4	172,510	164,988	1,010	12%	6%
Alaska	874	5	190,595	173,658	995	19%	192%
Maine	350	5	77,561	71,831	869	4%	6%
Hawaii	92	3	59,584	57,629	647	-15%	-38%
Vermont	311	4	64,649	59,538	590	-9%	-4%

Sorted by Total Deaths / 1M



United States: 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
California	7,859	95	4,932,199	4,774,930	72,111	7%	18%
Texas	3,802	132	4,242,156	4,113,205	71,262	-37%	-29%
Florida	1,736	105	3,690,812	3,604,427	59,670	-39%	-39%
New York	3,852	34	2,564,789	2,454,672	56,510	-19%	-2%
Pennsylvania	3,460	68	1,564,939	1,481,877	31,455	-19%	-6%
Georgia	1,166	76	1,636,325	1,589,841	29,174	-41%	-17%
Illinois	2,229	27	1,701,649	1,643,008	28,267	-9%	-8%
New Jersey	1,328	17	1,199,738	1,154,071	27,980	-16%	-2%
Ohio	3,374	0	1,547,788	1,474,958	24,527	-26%	-86%
Michigan	4,275	52	1,285,518	1,205,326	23,730	-6%	39%
Arizona	3,001	42	1,170,990	1,110,821	21,155	42%	80%
Massachusetts	1,312	10	855,230	817,299	19,003	-2%	-8%
N. Carolina	1,901	34	1,482,464	1,435,710	18,104	-33%	-30%
Indiana	1,630	30	1,022,609	983,426	16,737	-20%	-20%
Tennessee	1,101	27	1,280,265	1,249,910	16,342	-50%	-18%
Alabama	1,707	24	832,264	798,790	15,573	38%	-44%
Louisiana	499	11	760,000	738,396	14,555	-24%	-37%
Virginia	1,328	34	927,999	893,898	13,984	-35%	-14%
S. Carolina	836	28	899,481	873,782	13,753	-41%	-30%
Missouri	970	15	860,753	834,665	12,554	-17%	-33%
Maryland	732	14	561,718	540,356	10,908	-25%	-19%
Oklahoma	614	24	645,352	624,733	10,710	-40%	189%
Mississippi	451	11	504,811	488,462	10,098	-20%	-37%
Kentucky	1,233	25	745,353	717,311	9,814	-32%	-15%
Wisconsin	2,174	19	887,242	848,620	9,430	-22%	16%

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	3,537	19	797,984	749,434	8,818	0%	-3%
Connecticut	327	4	403,415	389,504	8,766	-16%	-29%
Washington	1,970	26	730,108	686,357	8,659	29%	0%
Arkansas	421	13	513,352	498,714	8,384	-29%	-60%
Colorado	2,907	25	747,855	701,884	8,258	20%	17%
Nevada	568	16	440,251	424,344	7,655	6%	-22%
Iowa	1,387	17	486,132	462,554	6,965	19%	17%
Kansas	805	26	436,794	419,141	6,424	-3%	150%
New Mexico	946	8	277,835	260,571	5,061	21%	0%
West Virginia	805	23	273,030	256,683	4,450	-24%	-13%
Oregon	1,125	12	367,610	347,649	4,377	-9%	-47%
Idaho	855	20	292,317	274,886	3,571	-18%	-14%
Utah	1,504	13	553,061	528,946	3,237	12%	6%
Nebraska	827	73	284,766	273,842	2,975	-6%	2844%
Rhode Island	215	1	179,963	174,173	2,879	-21%	0%
Montana	714	15	176,976	163,575	2,366	-11%	14%
South Dakota	326	3	154,885	147,755	2,241	18%	79%
Delaware	257	4	144,397	138,371	2,091	-28%	-2%
North Dakota	507	6	148,551	139,885	1,798	-10%	40%
New Hampshire	93	0	132,441	128,119	1,544	-63%	-49%
DC	84	1	64,470	62,114	1,191	-23%	17%
Wyoming	363	4	103,622	96,991	1,174	-12%	12%
Maine	470	7	104,259	96,556	1,168	4%	6%
Hawaii	131	4	84,364	81,595	916	-15%	-38%
Alaska	640	4	139,429	127,039	728	19%	192%
Vermont	194	2	40,340	37,151	368	-9%	-4%

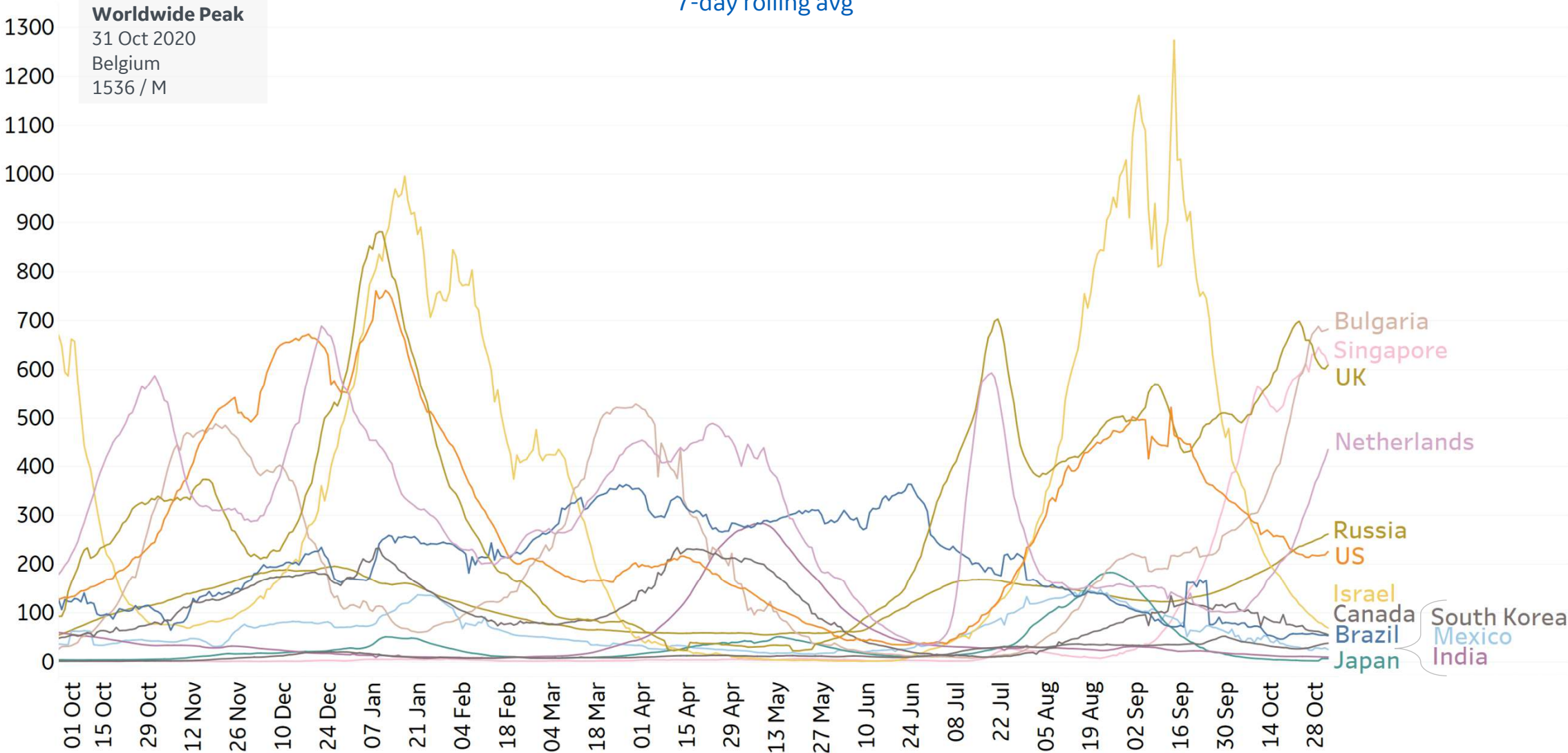
Sorted by Total Deaths



New Confirmed Cases in Select Countries

Daily New Confirmed Cases / 1M

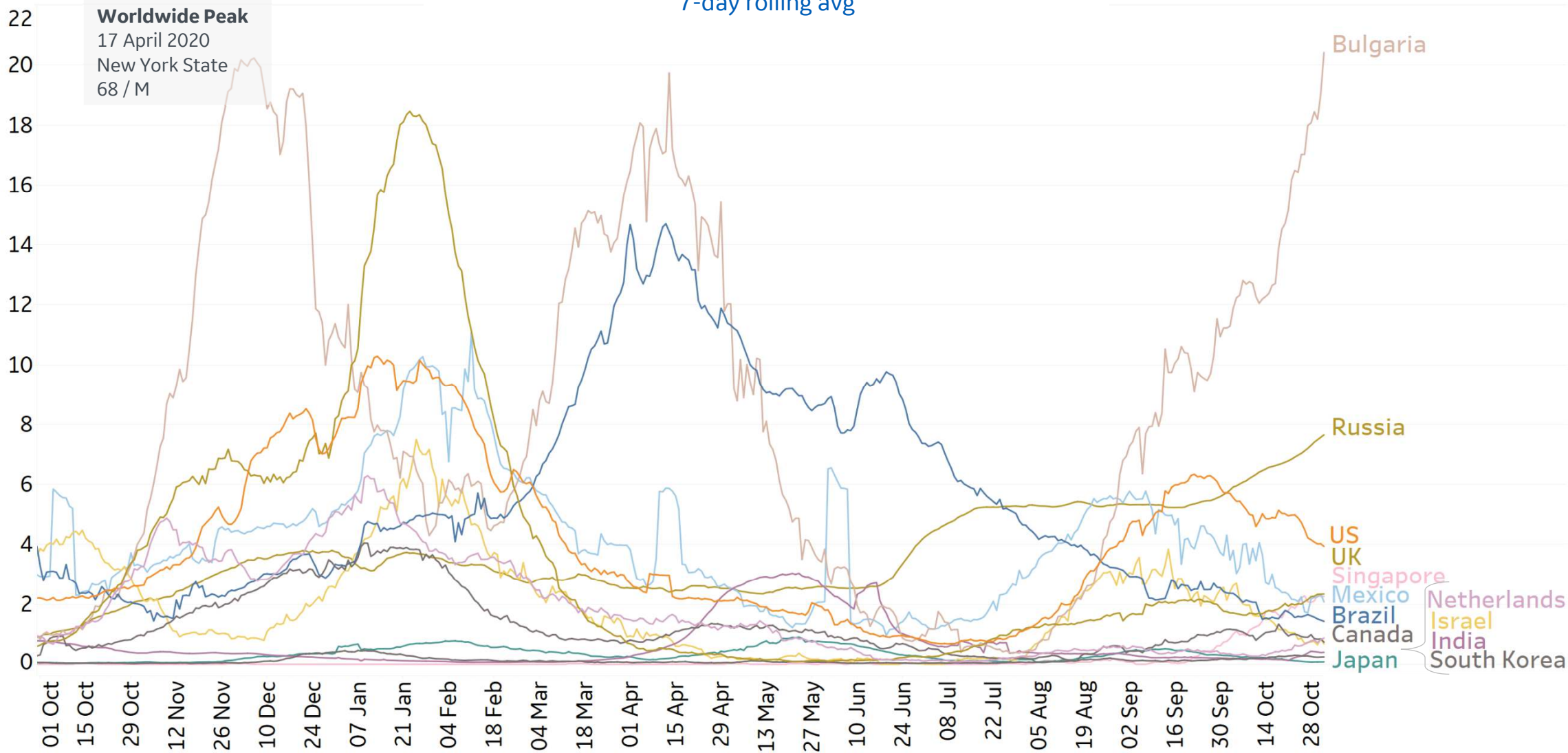
7-day rolling avg





New Deaths in Select Countries

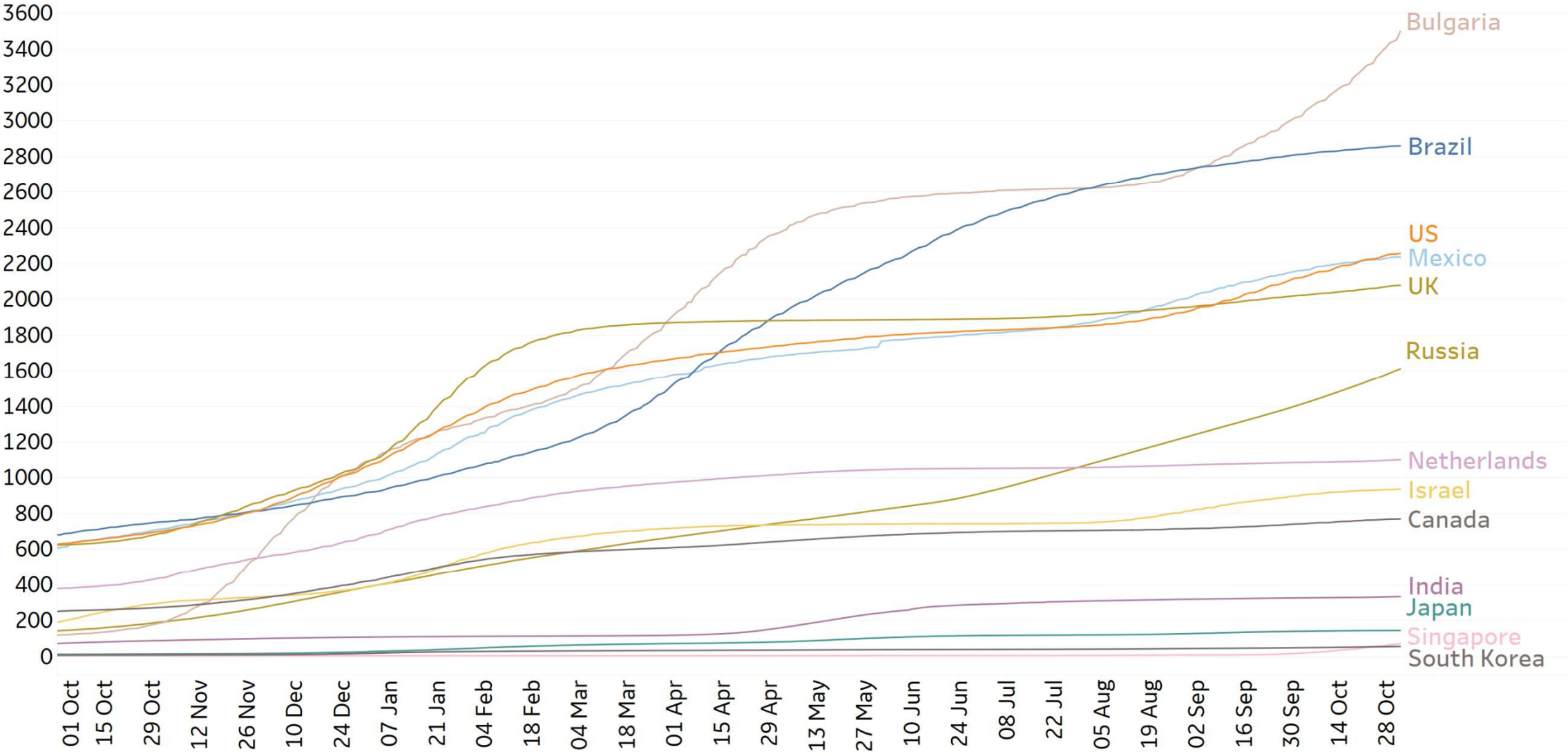
Daily New Deaths / 1M
7-day rolling avg

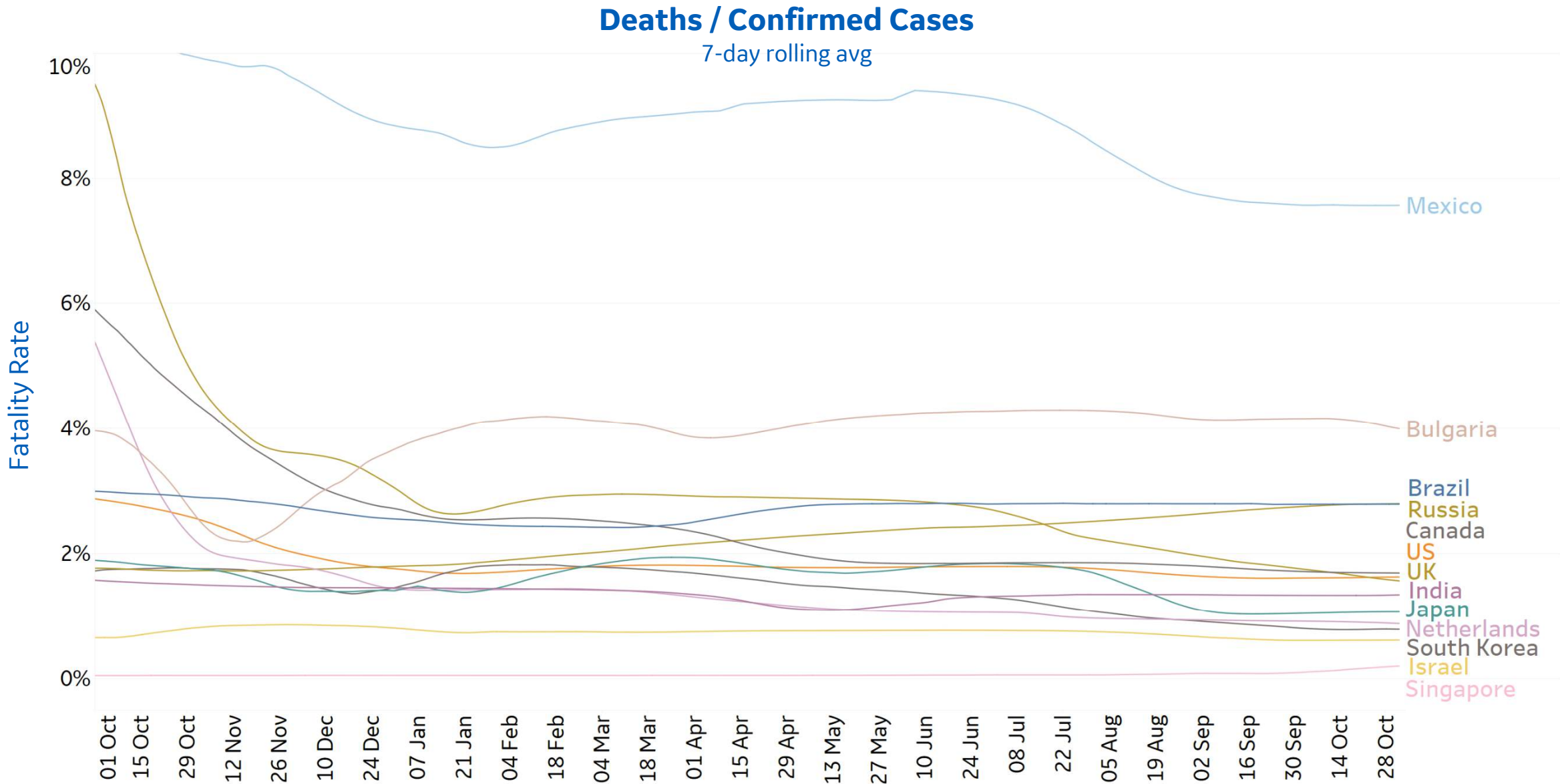




Cumulative Deaths in Select Countries

Cumulative Deaths / 1M



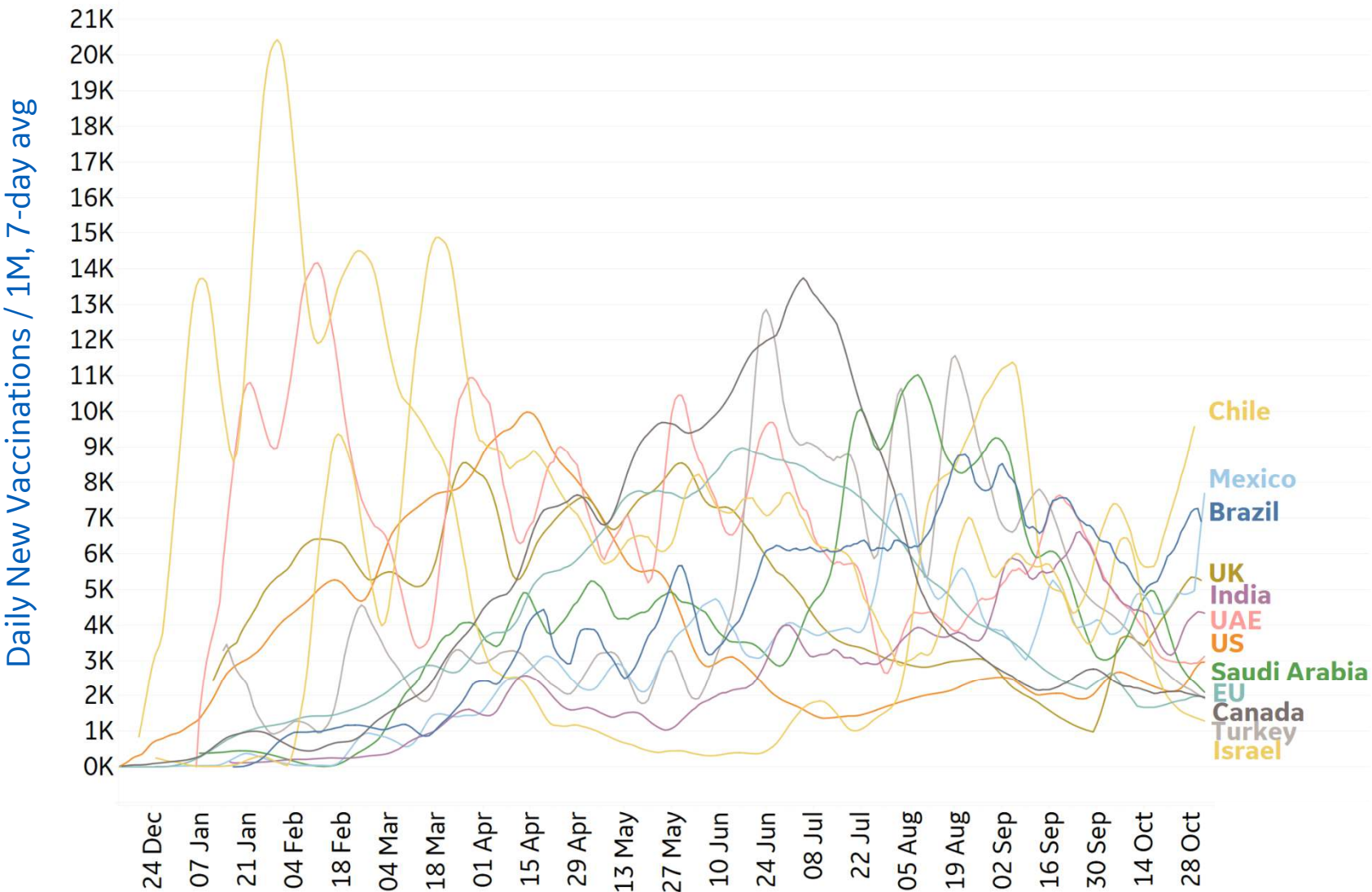




Daily & Total Vaccinations, Select Countries

Updated 2 Nov 2021, 3:30 GMT 11

Select countries with data available



	Total Vaccinations per 1M	% of Population Fully Vaccinated
UAE	2,138,182	87.8%
Israel	1,840,726	66.2%
Canada	1,556,778	75.0%
UK	1,529,253	67.3%
Italy	1,486,971	71.4%
Turkey	1,381,166	57.8%
Germany	1,336,164	66.2%
EU	1,331,403	65.5%
Saudi Arabia	1,315,118	61.9%
Brazil	1,298,026	56.8%
US	1,277,952	57.8%
Mexico	980,583	47.0%
India	773,660	24.1%

*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	71.3%	79.9%	623,989
Rhode Island	71.0%	78.3%	1,059,361
Connecticut	70.8%	79.2%	3,565,287
Maine	70.6%	76.8%	1,344,212
Massachusetts	69.7%	80.4%	6,892,503
New York	66.8%	74.4%	19,453,561
New Jersey	66.4%	75.2%	8,882,190
Maryland	66.2%	73.1%	6,045,680
Washington	63.5%	69.4%	7,614,893
Virginia	63.2%	71.2%	8,535,519
New Hampshire	62.9%	76.9%	1,359,711
Oregon	62.9%	68.4%	4,217,737
New Mexico	62.2%	72.3%	2,096,829
Colorado	61.7%	67.8%	5,758,736
California	61.4%	74.7%	39,512,223
Pennsylvania	60.6%	78.3%	12,801,989
Illinois	60.5%	65.7%	12,671,821
Minnesota	59.9%	65.3%	5,639,632
Hawaii	59.8%	78.8%	1,415,872
Florida	59.8%	69.2%	21,477,737
Delaware	59.7%	68.9%	973,764
Wisconsin	58.4%	62.8%	5,822,434
Nebraska	56.2%	61.0%	1,934,408
Iowa	55.5%	59.6%	3,155,070
Utah	53.6%	61.1%	3,205,958

56.8%

Total US population
fully vaccinated
(**568,255 per million**)

66.5%

Eligible US population (12+)
fully vaccinated
(**665,404 per million**)

65.4%

Total US population
having received
at least 1 dose
(**653,724 per million**)

76.5%

Eligible US population (12+)
having received
at least 1 dose
(**765,485 per million**)

State	% Fully Vaccinated	% Rec'd at Least 1 Dose	Population
Michigan	53.6%	58.3%	9,986,857
Texas	53.4%	61.5%	28,995,881
Kansas	53.3%	62.6%	2,913,314
Arizona	53.2%	61.3%	7,278,717
Nevada	53.0%	63.5%	3,080,156
Alaska	52.7%	59.6%	731,545
North Carolina	52.7%	64.7%	10,488,084
South Dakota	52.6%	62.1%	884,659
Ohio	51.9%	55.9%	11,689,100
Kentucky	50.8%	57.6%	4,467,673
Montana	50.5%	56.9%	1,068,778
Oklahoma	50.1%	59.6%	3,956,971
South Carolina	50.1%	57.7%	5,148,714
Indiana	49.9%	53.8%	6,732,219
Missouri	49.8%	56.9%	6,137,428
Georgia	48.2%	56.9%	10,617,423
Arkansas	48.1%	58.1%	3,017,804
Louisiana	47.7%	53.9%	4,648,794
Tennessee	47.7%	54.5%	6,829,174
North Dakota	46.0%	53.5%	762,062
Mississippi	45.7%	52.0%	2,976,149
Alabama	44.8%	54.6%	4,903,185
Idaho	44.0%	49.2%	1,787,065
Wyoming	43.9%	50.9%	578,759
West Virginia	41.0%	49.0%	1,792,147

US total percentages of population fully vaccinated and having received at least one dose include values reported by the 50 US states.

Eligible US population is derived from 2019 estimates of the US population aged 12+ (census.gov)

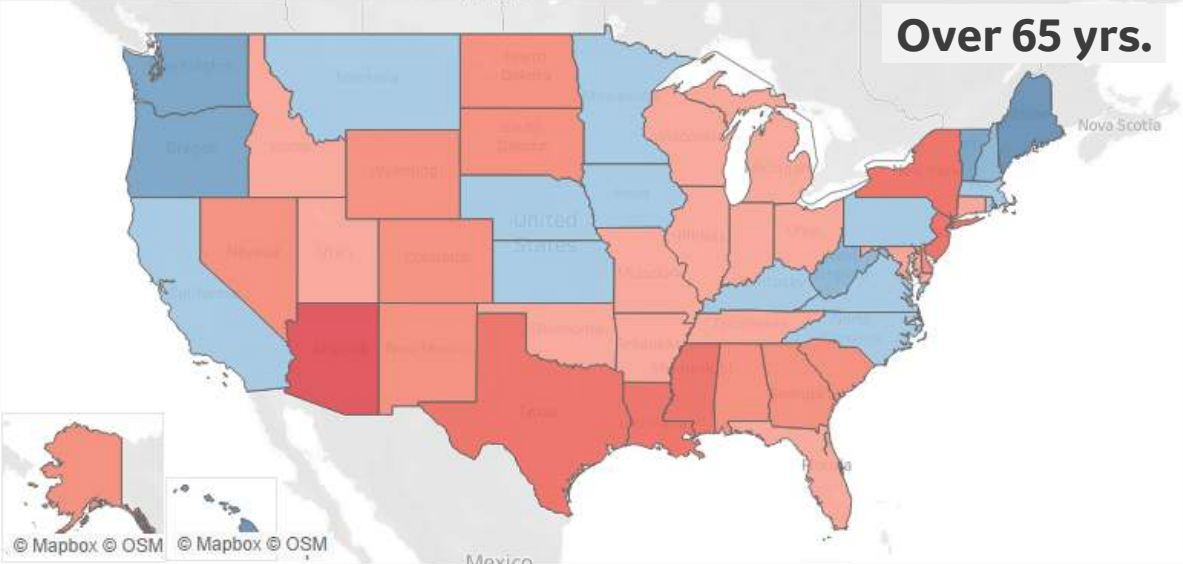
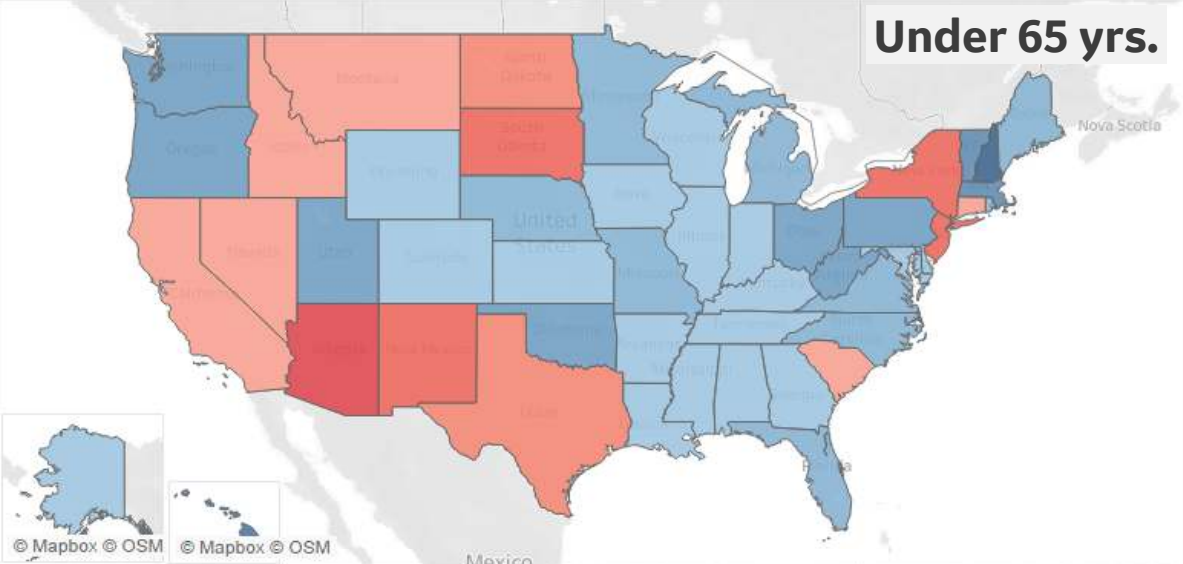
Federal agencies are excluded from these calculations

Sources: Our World in Data US State Vaccination Data;
CDC COVID-19 Vaccine Tracker

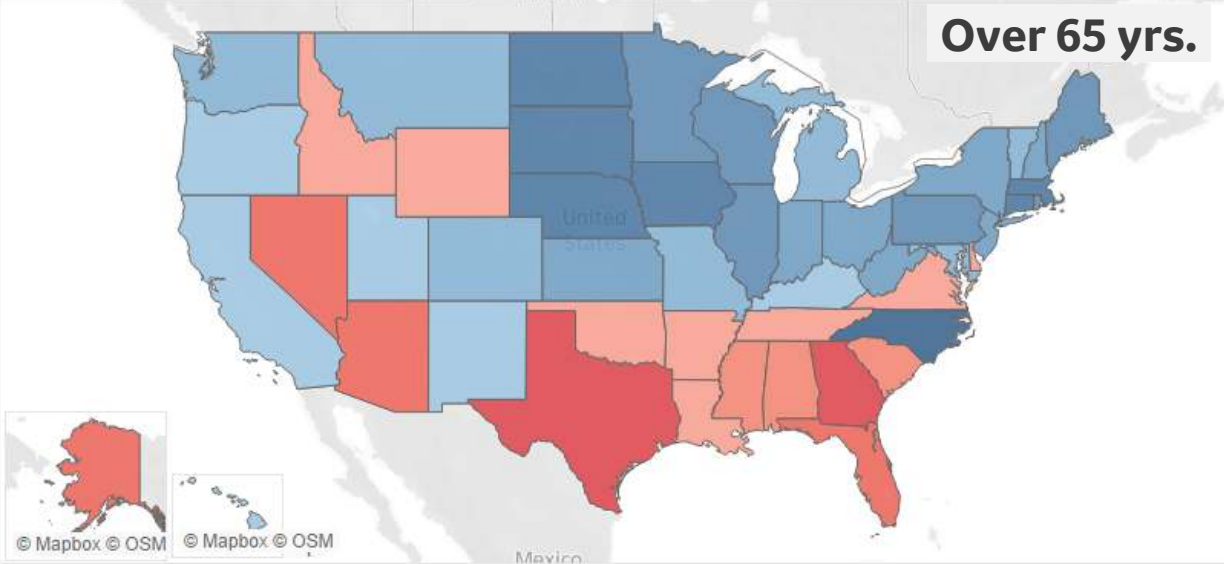
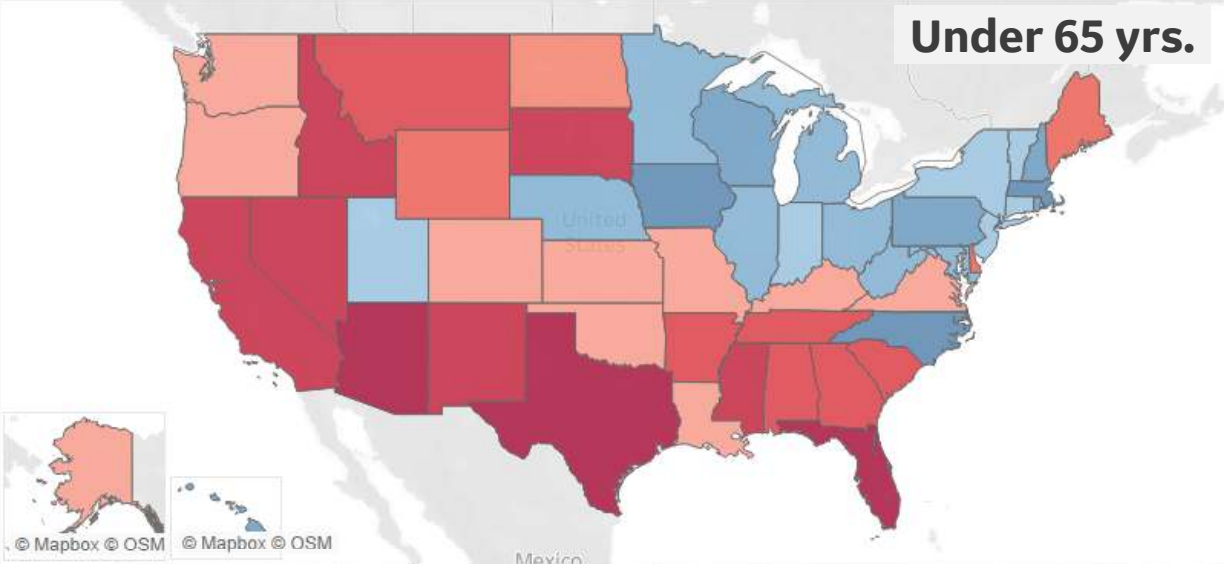


Feature: % Excess Deaths by State & Age Group

2020 compared to 2015-2019 Average



2021 compared to 2015-2019 Average (Weeks 1-38)

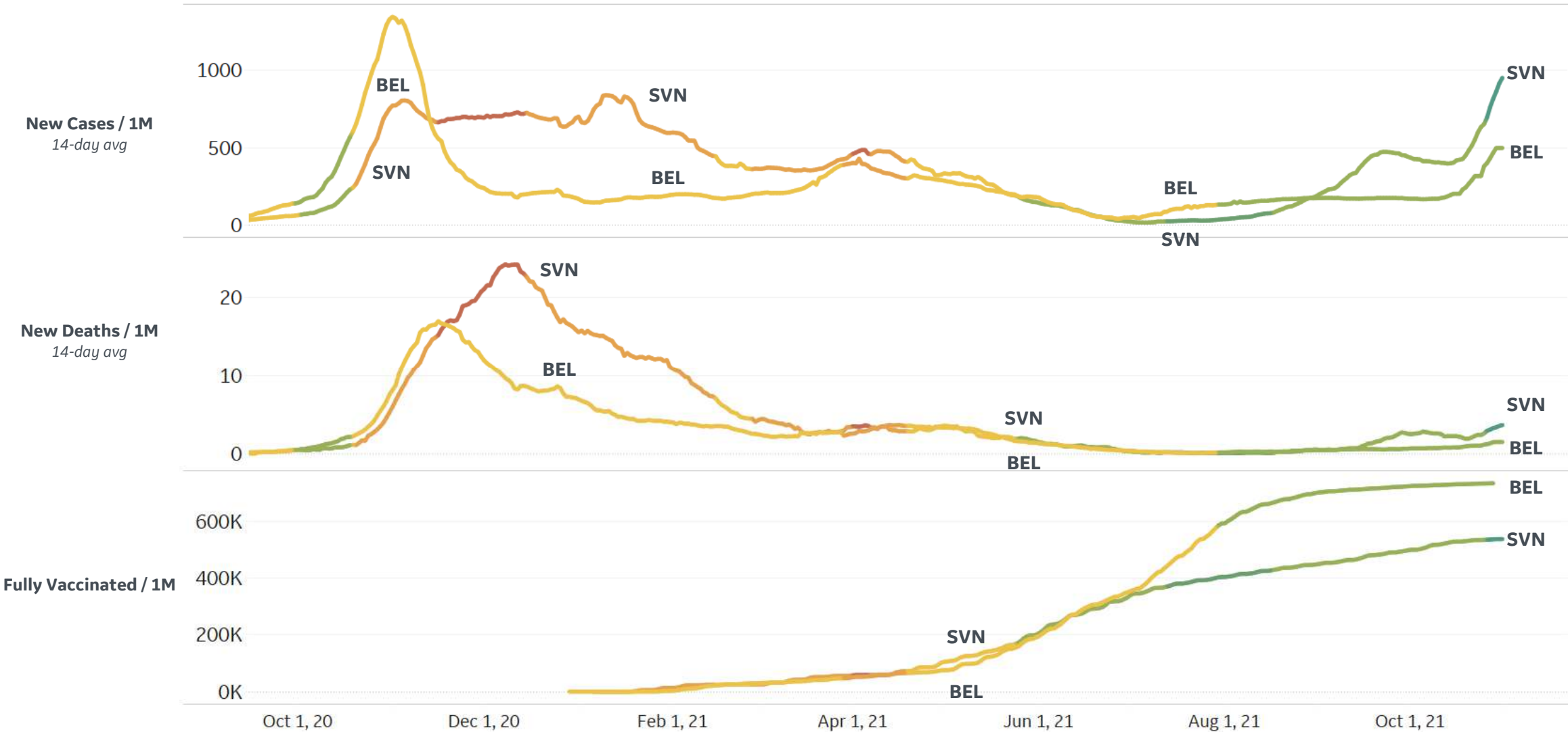


% Excess Deaths = [Total Deaths (2020 or 2021)– Avg Total Deaths 2015-2019] / Avg Total Deaths 2015-2019



Feature: Cases, Deaths, and Vaccinations in Belgium & Slovenia

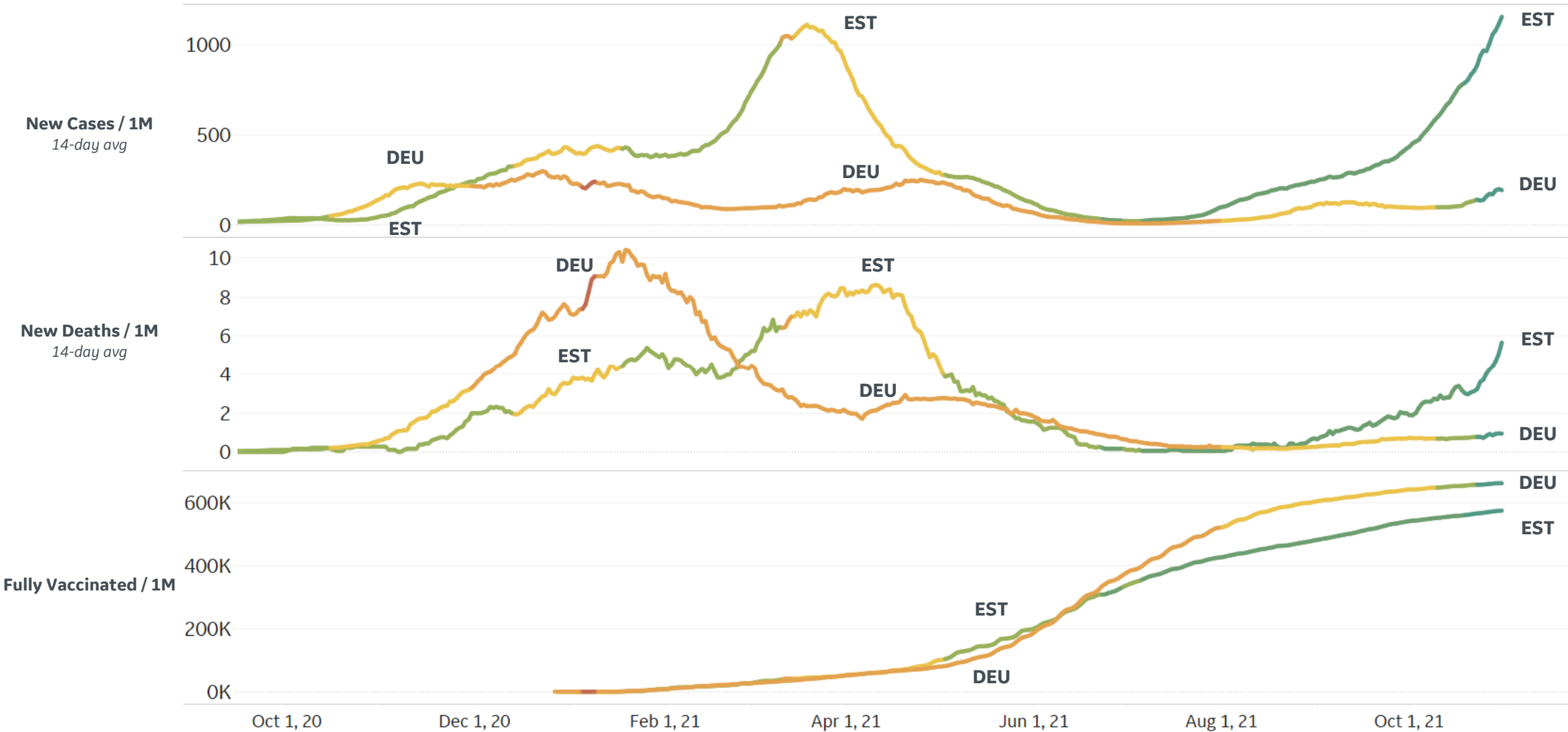
Since 15 Sept 2020. 14-day averages, per 1M. Colored by Oxford Stringency Index, strictness of government lockdown policies





Feature: Cases, Deaths, and Vaccinations in Estonia & Germany

Since 15 Sept 2020. 14-day averages, per 1M. Colored by Oxford Stringency Index, strictness of government lockdown policies





Feature: Trends in CC Ecosystem Cities

Baltimore, MD

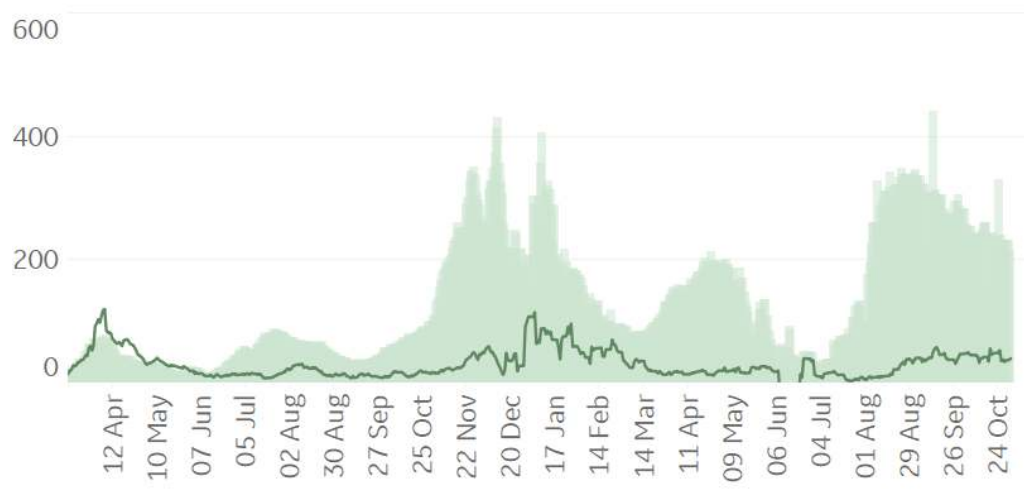
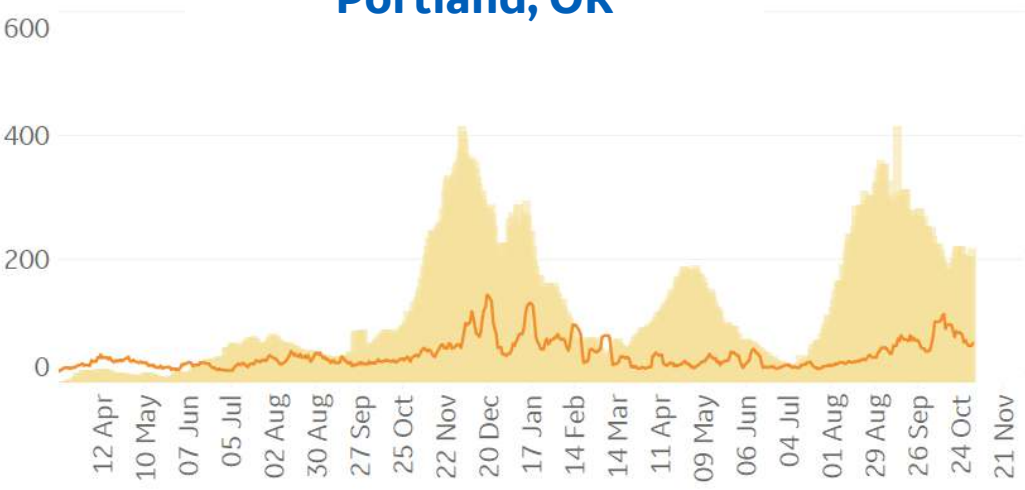
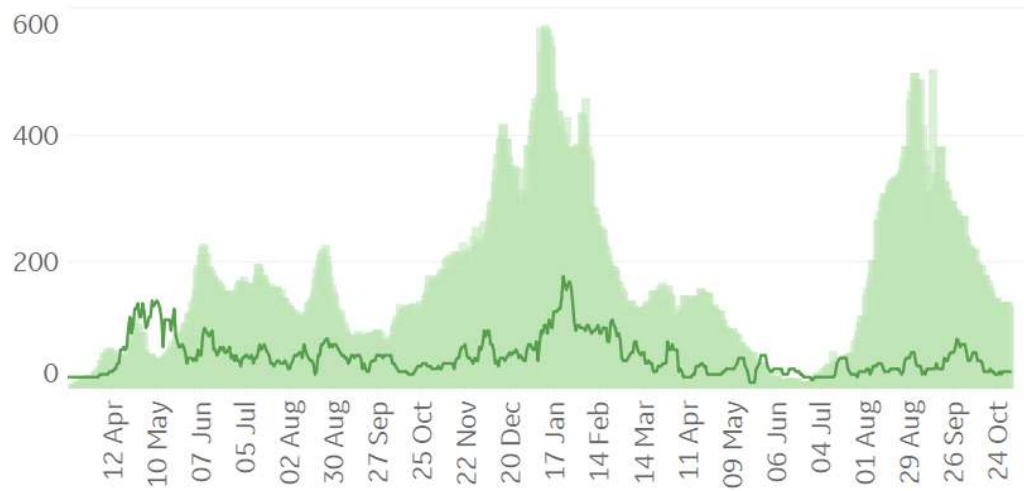
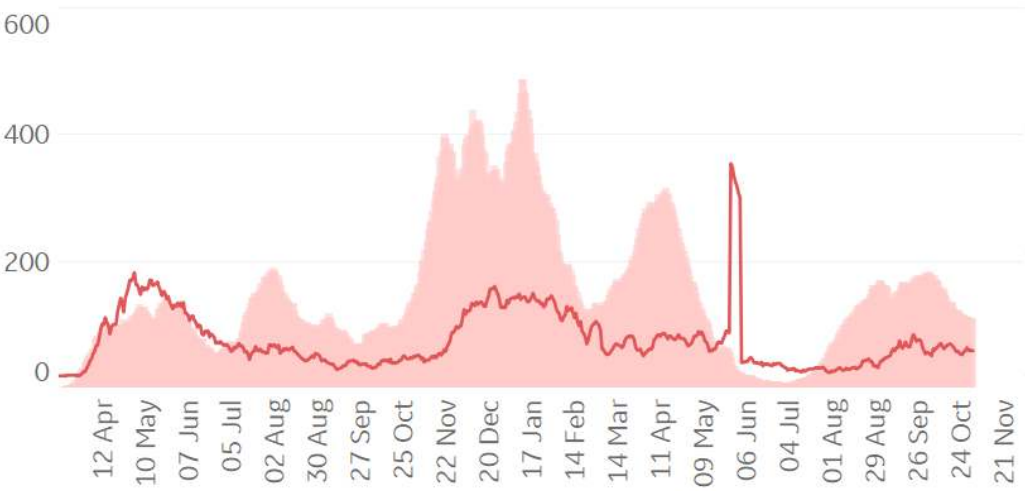
Durham, NC

Portland, OR

Seattle, WA

Daily New Confirmed Cases / 1M (Bars)

Daily New Deaths / 1M (Lines)





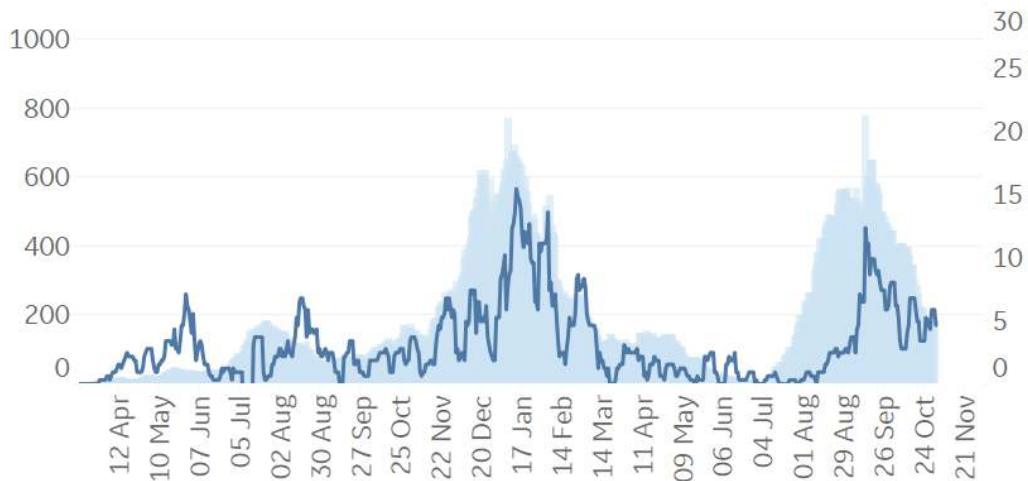
Feature: Trends in CC Ecosystem Cities

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



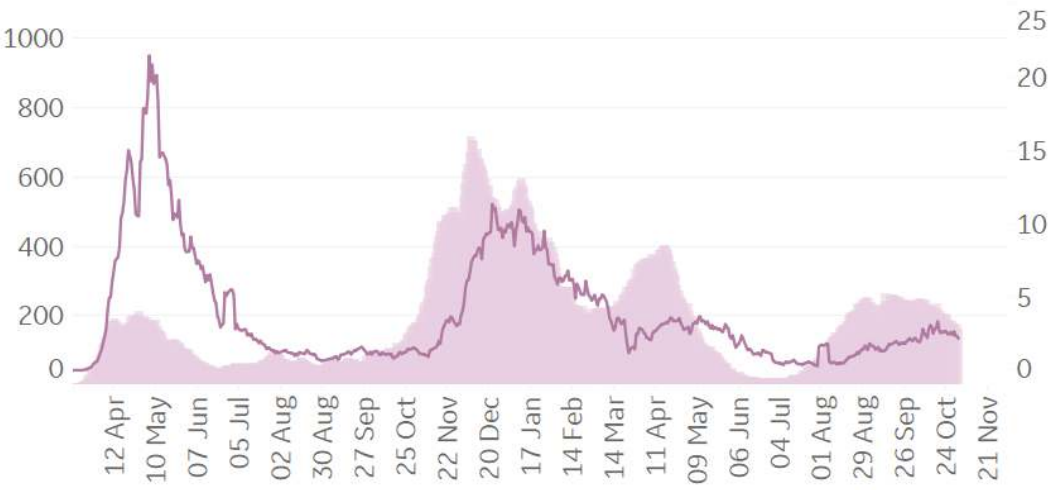
*Bradford last updated 4/16
*Miami and Orlando county deaths last updated 6/6



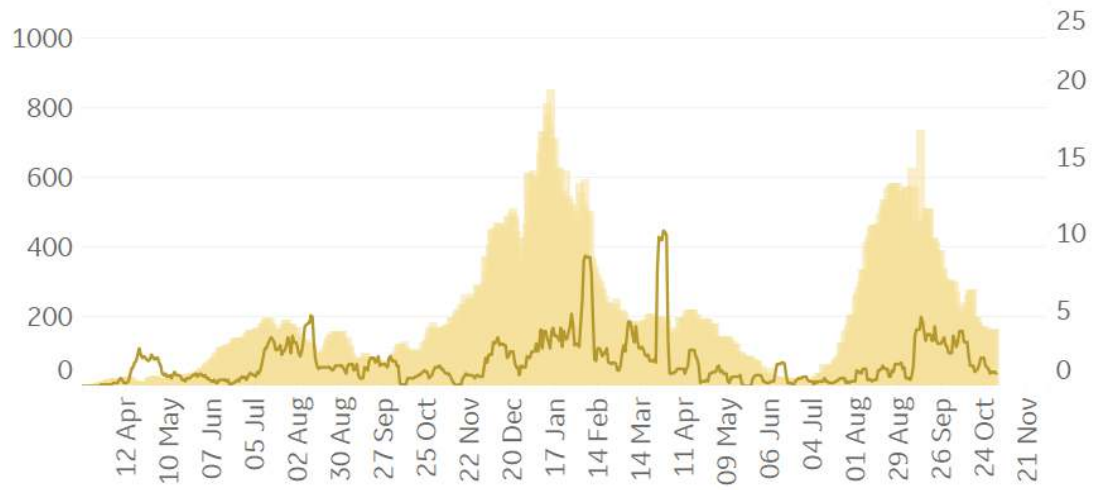
Feature: Trends in CC Ecosystem Cities

Philadelphia, PA

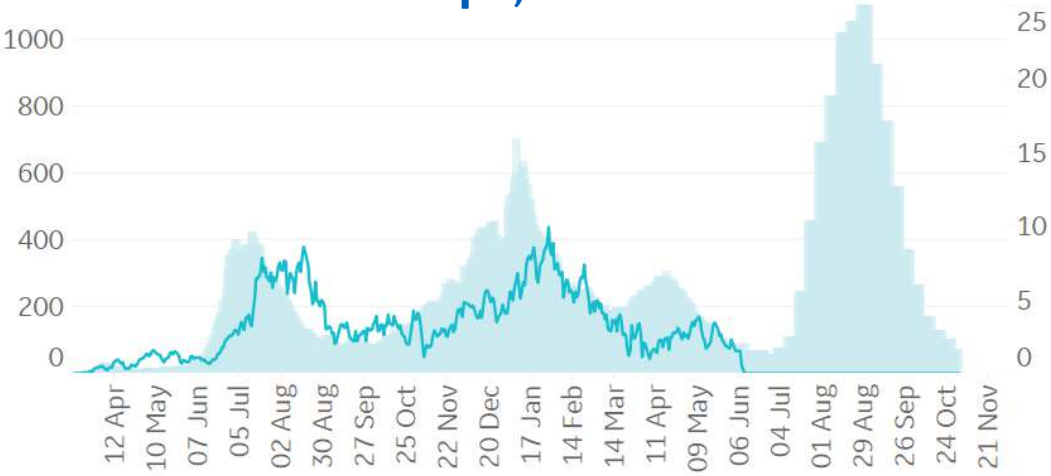
Daily New Confirmed Cases / 1M (Bars)



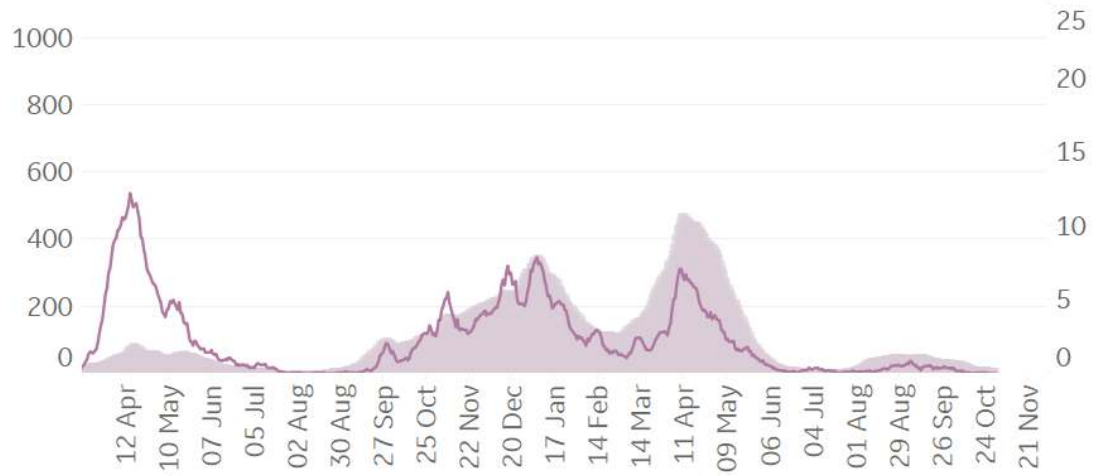
Raleigh, NC



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

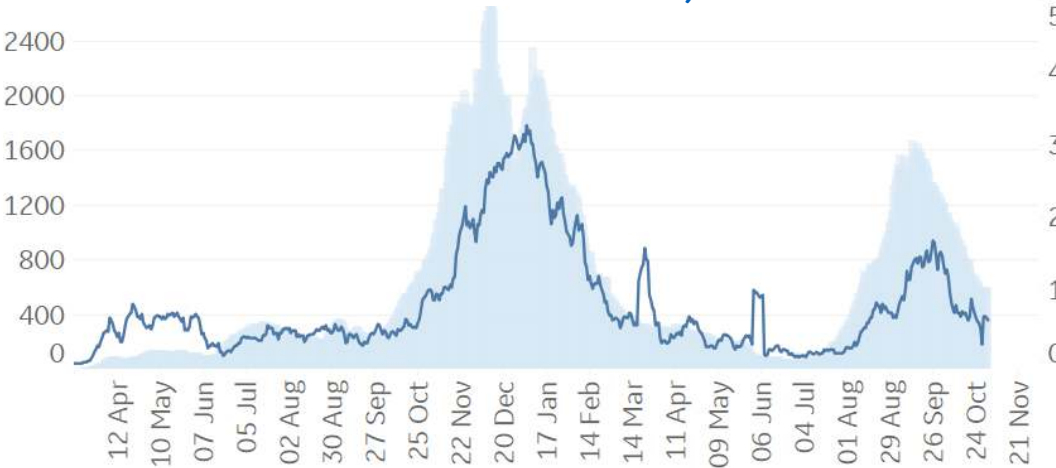
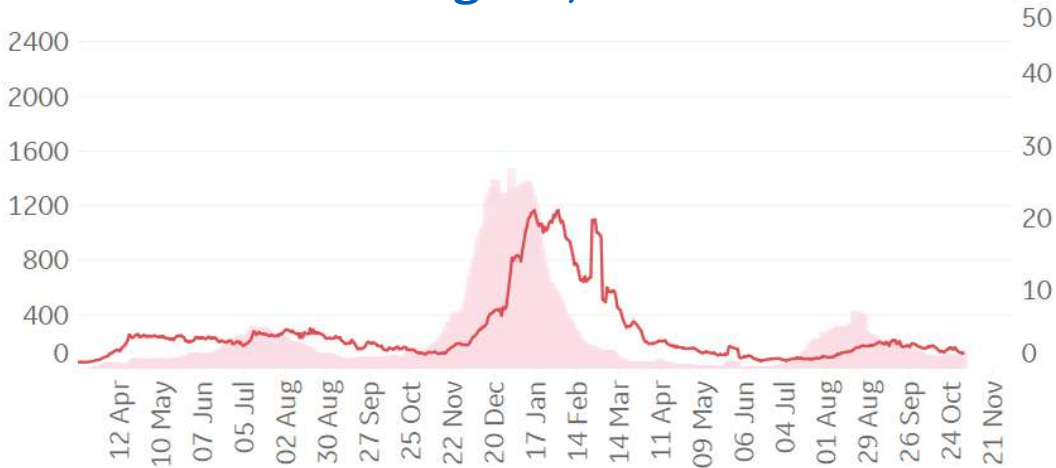
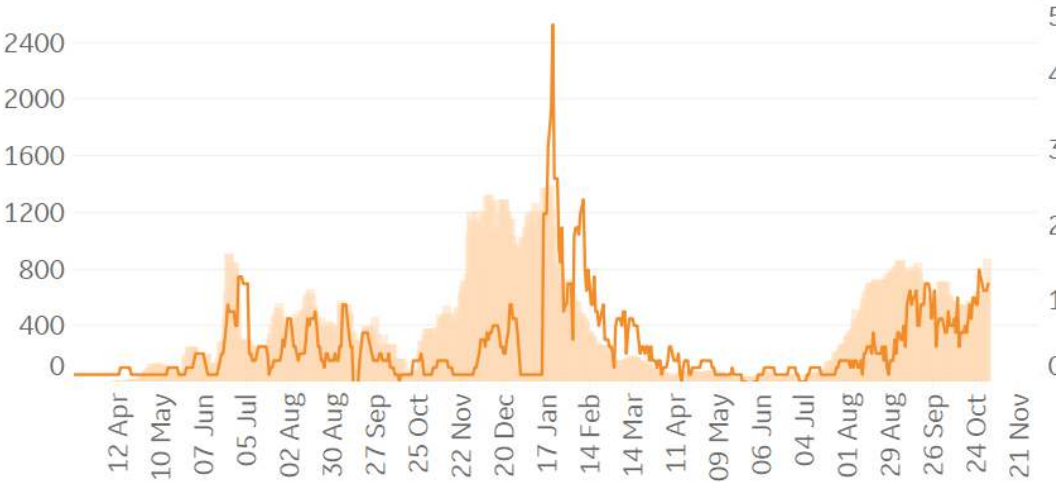
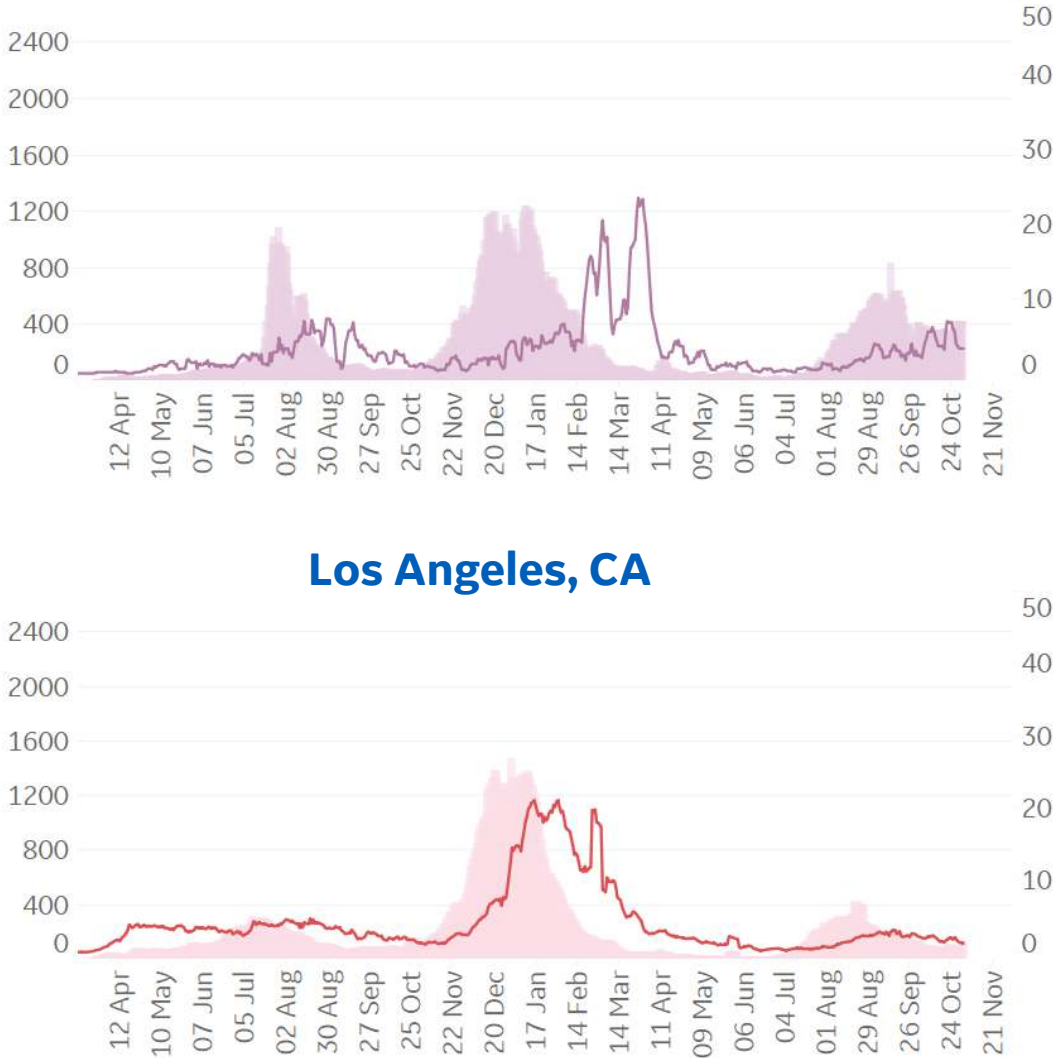
Hanford, CA

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

Per 1M in Region

	Today	Change
Active Cases	81,282	+0.3%
Confirmed	208	+0.3%
Deaths	2	+0.2%
Recovered	192	+0.2%

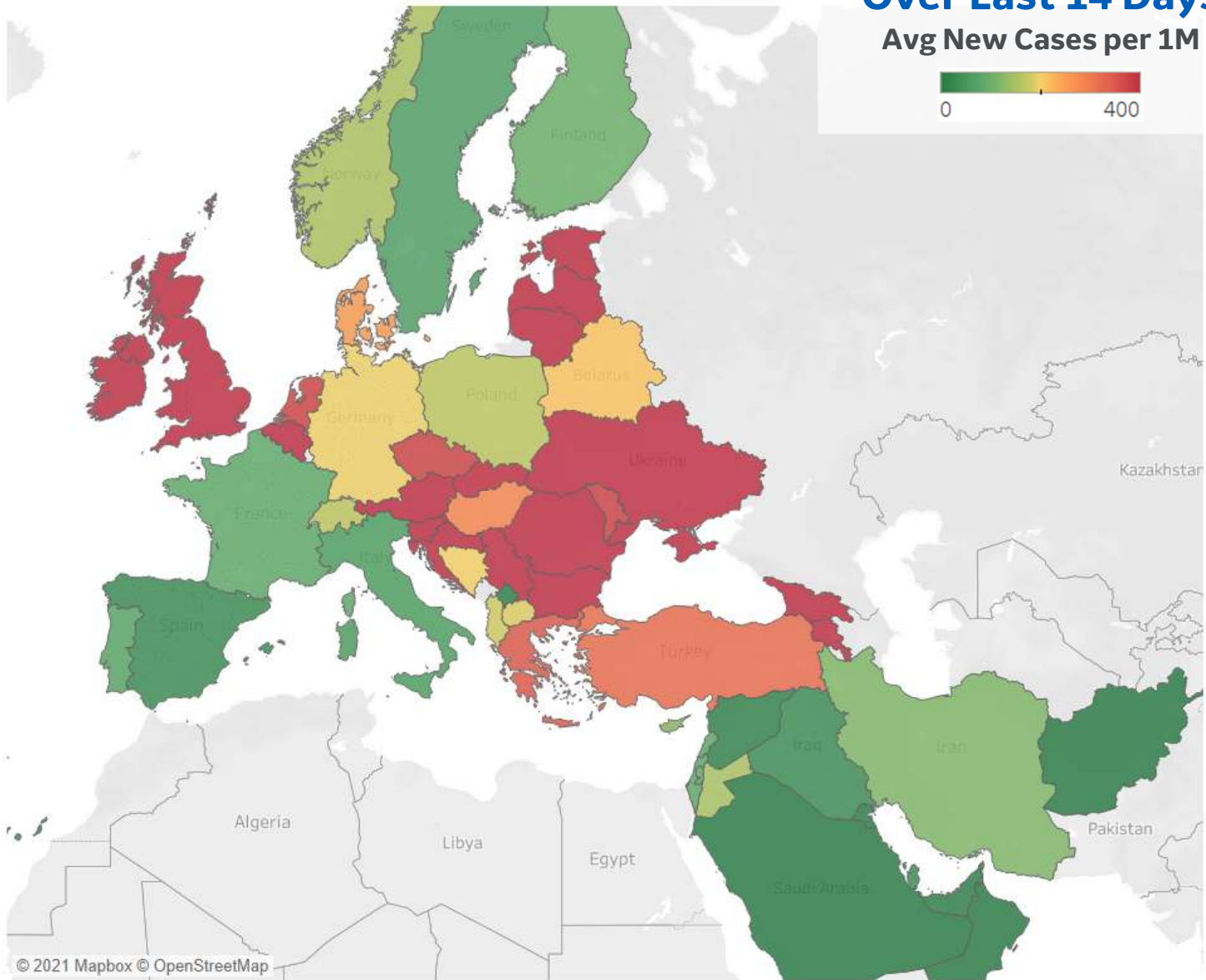
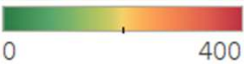
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Latvia	1,251	14
Estonia	1,187	6
Lithuania	1,062	12
Georgia	1,013	10
Slovenia	983	4
Serbia	763	7
Croatia	752	6
Romania	697	22
Bulgaria	647	19
UK	634	2
Armenia	632	14
Slovakia	624	2
Ukraine	499	12
Ireland	459	2
Austria	459	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





Mexico

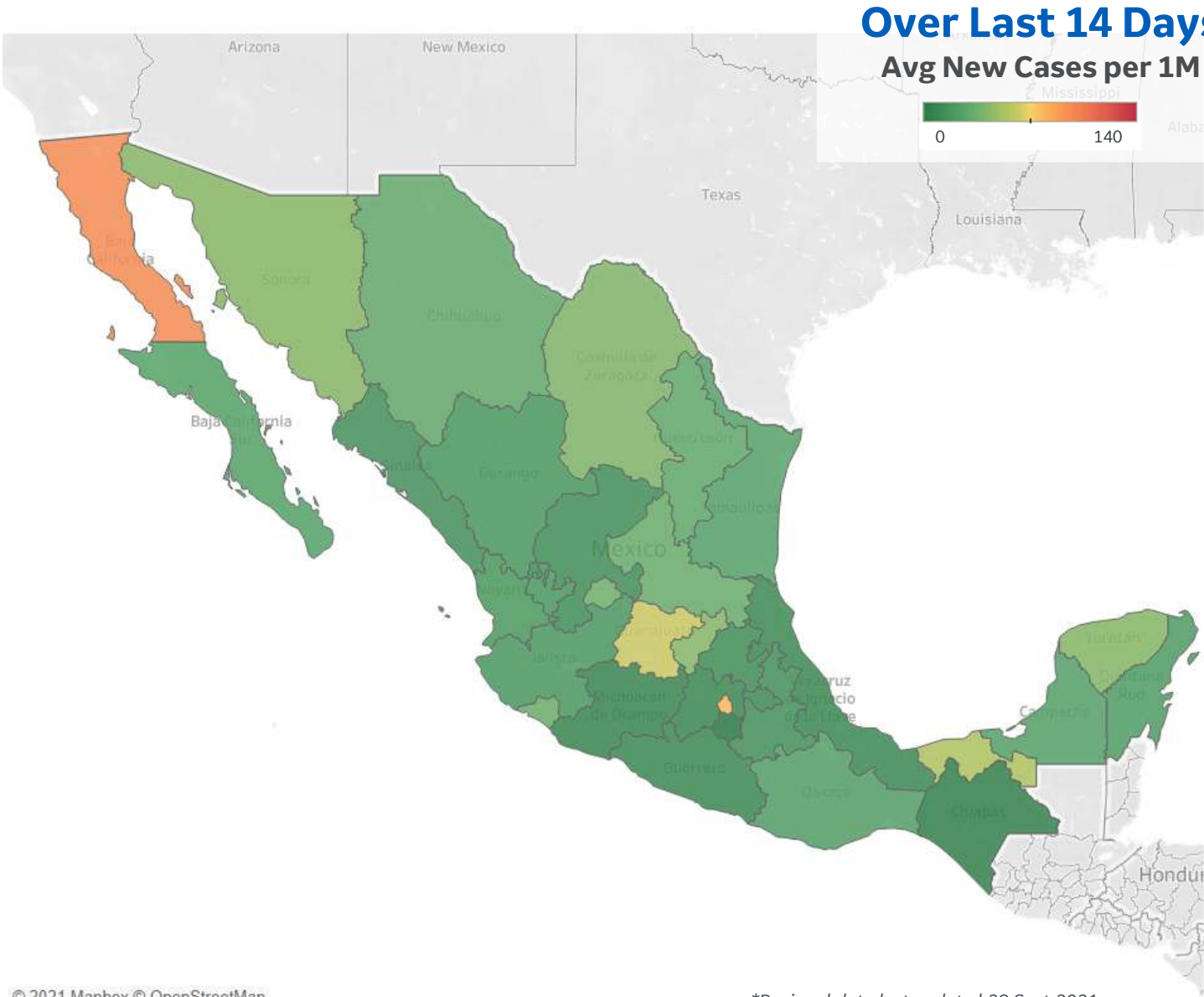
Per 1M in Region

	Today	Change
Active Cases	27,292	+0.0%
Confirmed	0	+0.0%
Deaths	0	+0.0%
Recovered	11	+0.0%

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

	Cases	Deaths
Baja California	95	4
Distrito Federal	77	3
Guanajuato	63	3
Tabasco	55	3
Sonora	43	3
Querétaro	43	3
Yucatán	43	2
Coahuila	41	2
Aguascalientes	36	3
Colima	34	3
San Luis Potosí	33	2
Chihuahua	31	1
Nuevo León	31	3
Nacional	28	2
Baja California Sur	26	2

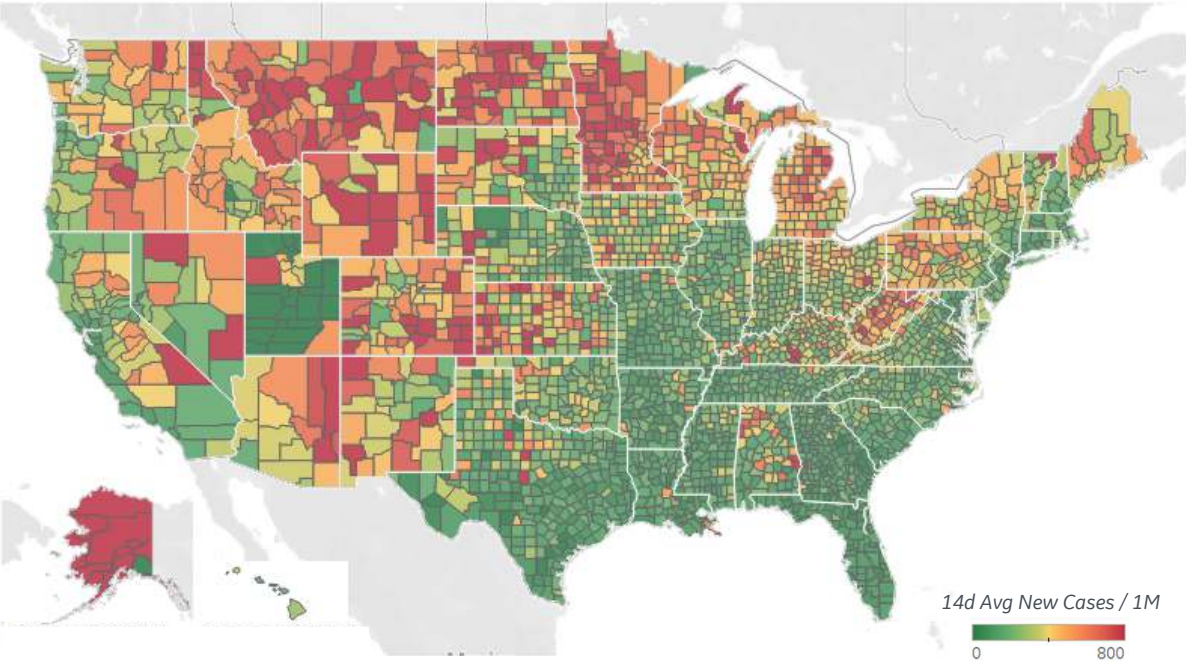
Top 15 countries selected by 14-day avg new cases per 1M
Excl. countries with population < 1M





US Counties: Recent Cases and Deaths

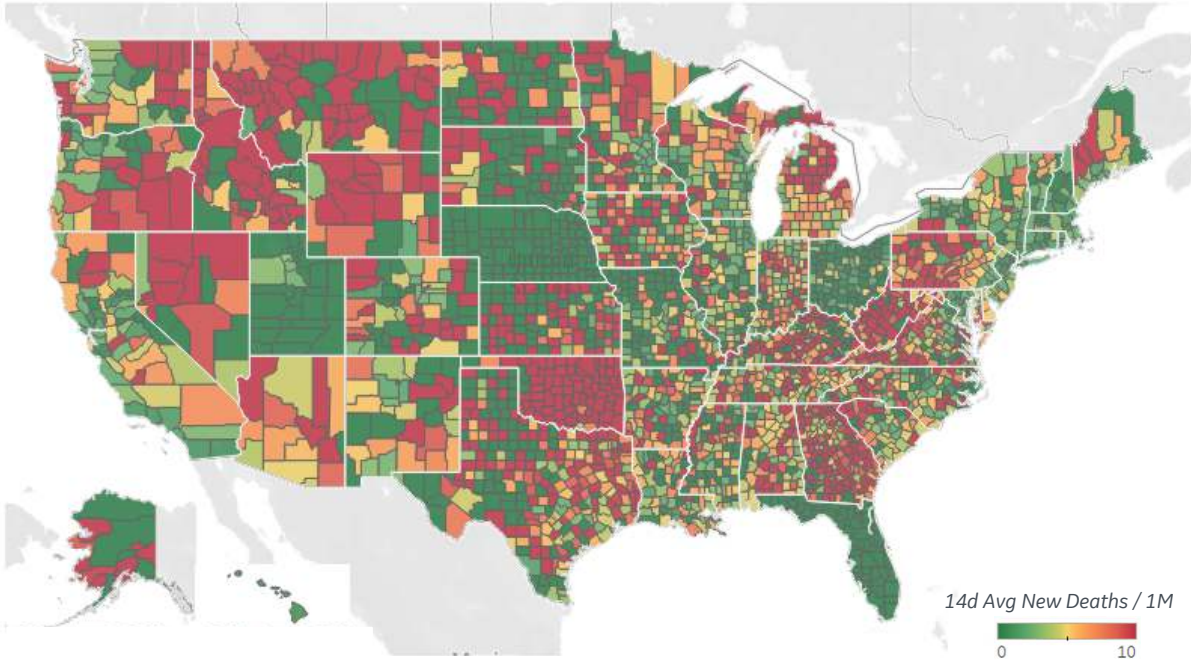
Average New Cases per 1M Over Last 14 Days



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

Anchorage Municipality, AK	1,115
Weld County, CO	622
Ada County, ID	554
El Paso County, CO	548
Anoka County, MN	534
Larimer County, CO	511
Spokane County, WA	508
Davis County, UT	481
Brown County, WI	468
Kent County, MI	465

Average New Deaths per 1M Over Last 14 Days



Top 10 by New Deaths Avg New Deaths/ 1M

Stanislaus County, CA	28
Oklahoma County, OK	25
Tulsa County, OK	18
Cleveland County, OK	16
Spartanburg County, SC	11
Anchorage Municipality, AK	10
Clayton County, GA	9
Sedgwick County, KS	9
McLennan County, TX	9
Jefferson County, TX	8

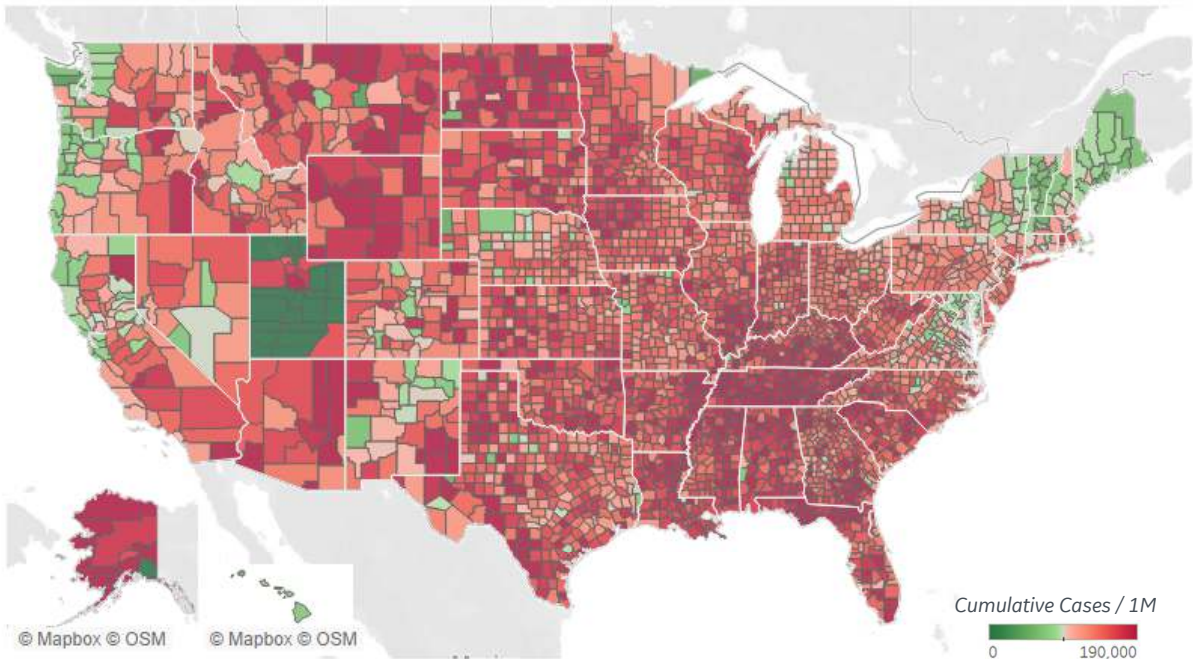
Note: Lists includes counties ≥ 250K population

*Data last updated 12 October
*Nebraska data not available



US Counties: Cumulative Cases and Deaths

Confirmed **Cases** per 1M to date

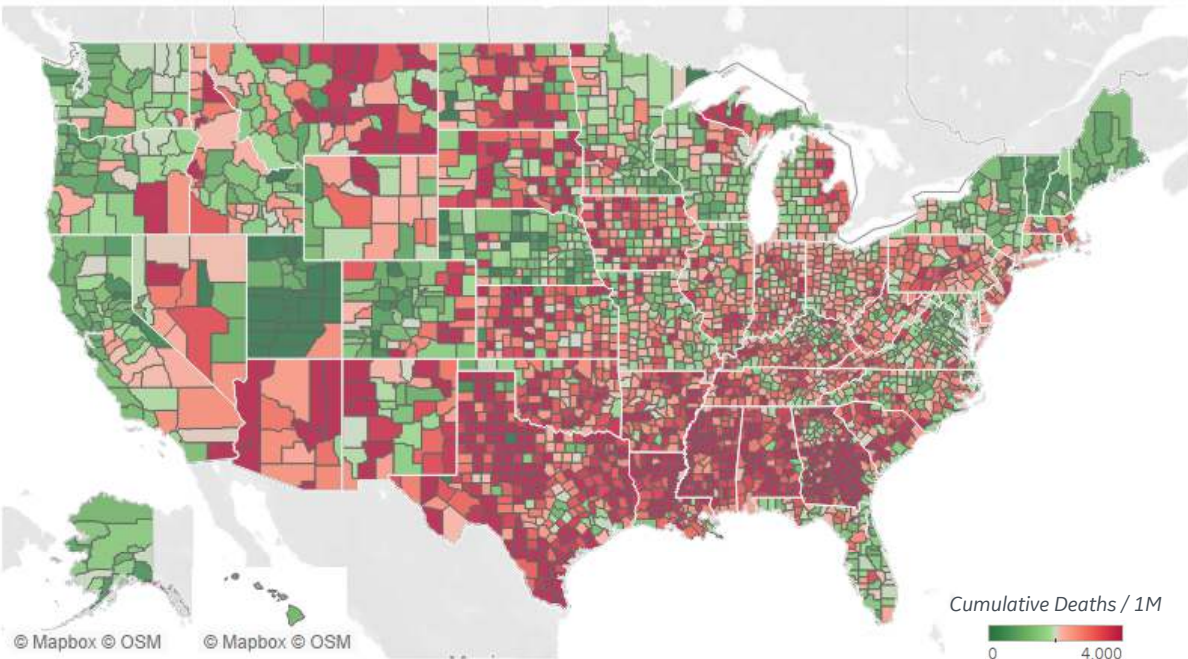


Top 10 Counties

Total Confirmed Cases / 1M

Miami-Dade County, FL	249,881
Lubbock County, TX	211,728
Webb County, TX	205,388
Greenville County, SC	201,197
Anchorage Municipality, AK	199,743
Utah County, UT	198,700
Spartanburg County, SC	193,758
Osceola County, FL	192,683
Galveston County, TX	187,643
Rutherford County, TN	186,328

Reported **Deaths** per 1M to date



Top 10 Counties

Total Reported Deaths/ 1M

New York City*	6,439
Cameron County, TX	4,202
Passaic County, NJ	4,015
Hidalgo County, TX	3,977
Essex County, NJ	3,948
Ocean County, NJ	3,885
Spartanburg County, SC	3,724
Union County, NJ	3,674
Hampden County, MA	3,570
Hudson County, NJ	3,554

*Data last updated 12 October

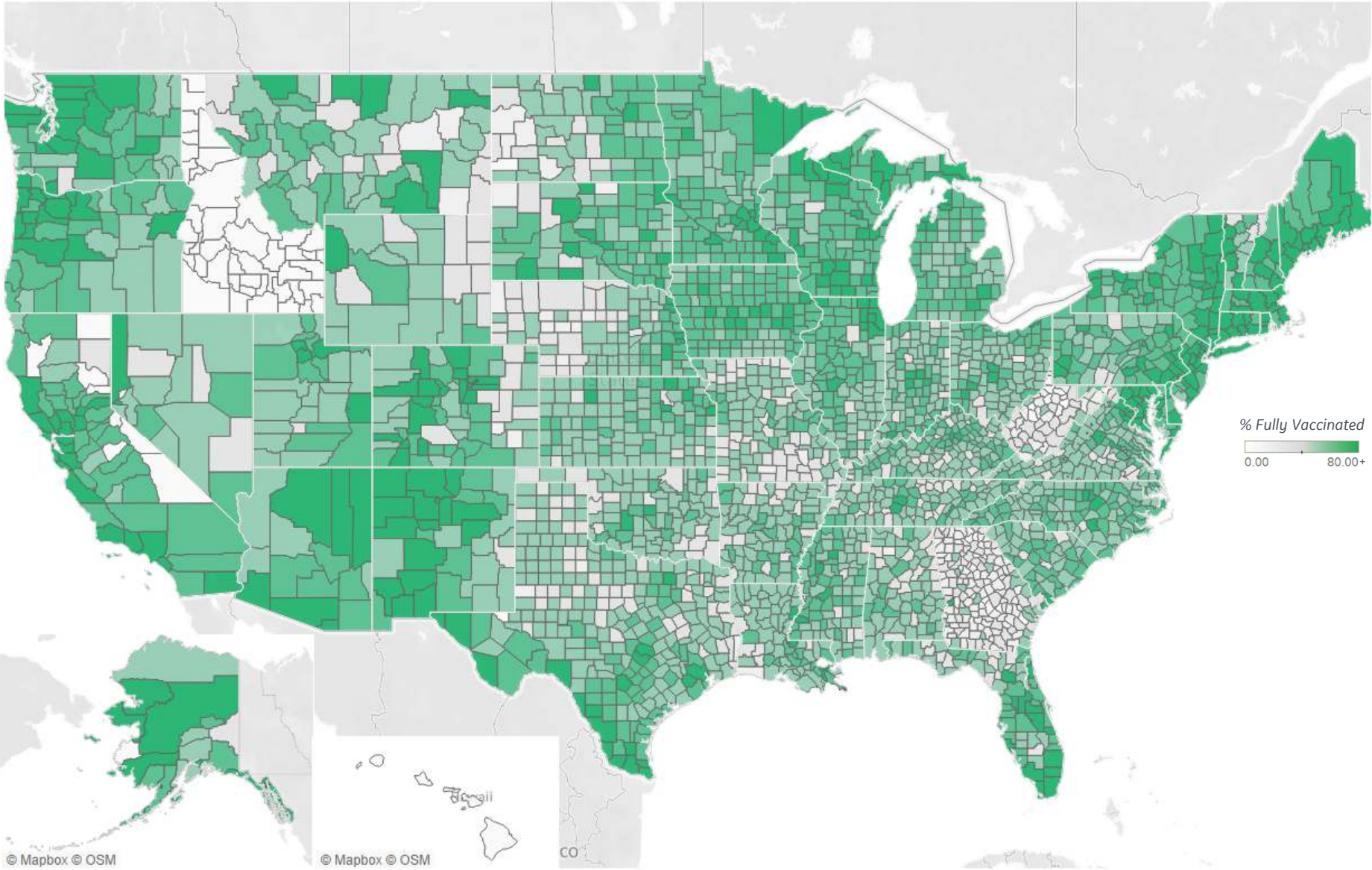
* New York City counties aggregated into one reporting area

Note: Lists includes counties > 250K population



US Counties: Fully Vaccinated (12+) Population

Updated 2 Nov 2021, 3:30 GMT 24



Top 20 Counties

% of Eligible Population Fully Vaccinated

Montgomery County, MD	91
Marin County, CA	88
Howard County, MD	88
Cumberland County, ME	88
Santa Clara County, CA	88
Dane County, WI	85
Fairfield County, CT	84
San Mateo County, CA	84
Contra Costa County, CA	83
Nassau County, NY	83
King County, WA	82
San Francisco County, CA	82
Alameda County, CA	82
Westchester County, NY	81
New London County, CT	81
Multnomah County, OR	81
Middlesex County, MA	80
Morris County, NJ	80
Norfolk County, MA	79
Onondaga County, NY	77

* Data last updated 05 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	44,945	+0.2%
Confirmed	77	+0.2%
Deaths	1	+0.1%
Recovered	144	+0.3%

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

	Cases	Deaths
Saskatchewan	190	4
Alberta	127	2
British Columbia	112	1
Quebec	53	0
Ontario	25	0
Manitoba	76	1

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	78,587	+0.03%
Confirmed	26	+0.03%
Deaths	1	+0.03%
Recovered	38	+0.05%

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

	Cases	Deaths
Trinidad and Tobago	161	5
Costa Rica	107	3
Cuba	100	1
Chile	92	1
Dom. Rep.	73	0
Uruguay	59	0
Brazil	55	1
Guatemala	53	3
Bolivia	41	1
Panama	38	0
Jamaica	37	3
El Salvador	36	2
Venezuela	35	0
Colombia	30	1
Argentina	26	0

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	99,769	+0.0%
Confirmed	18	+0.0%
Deaths	0.5	+0.0%
Recovered	35	+0.0%

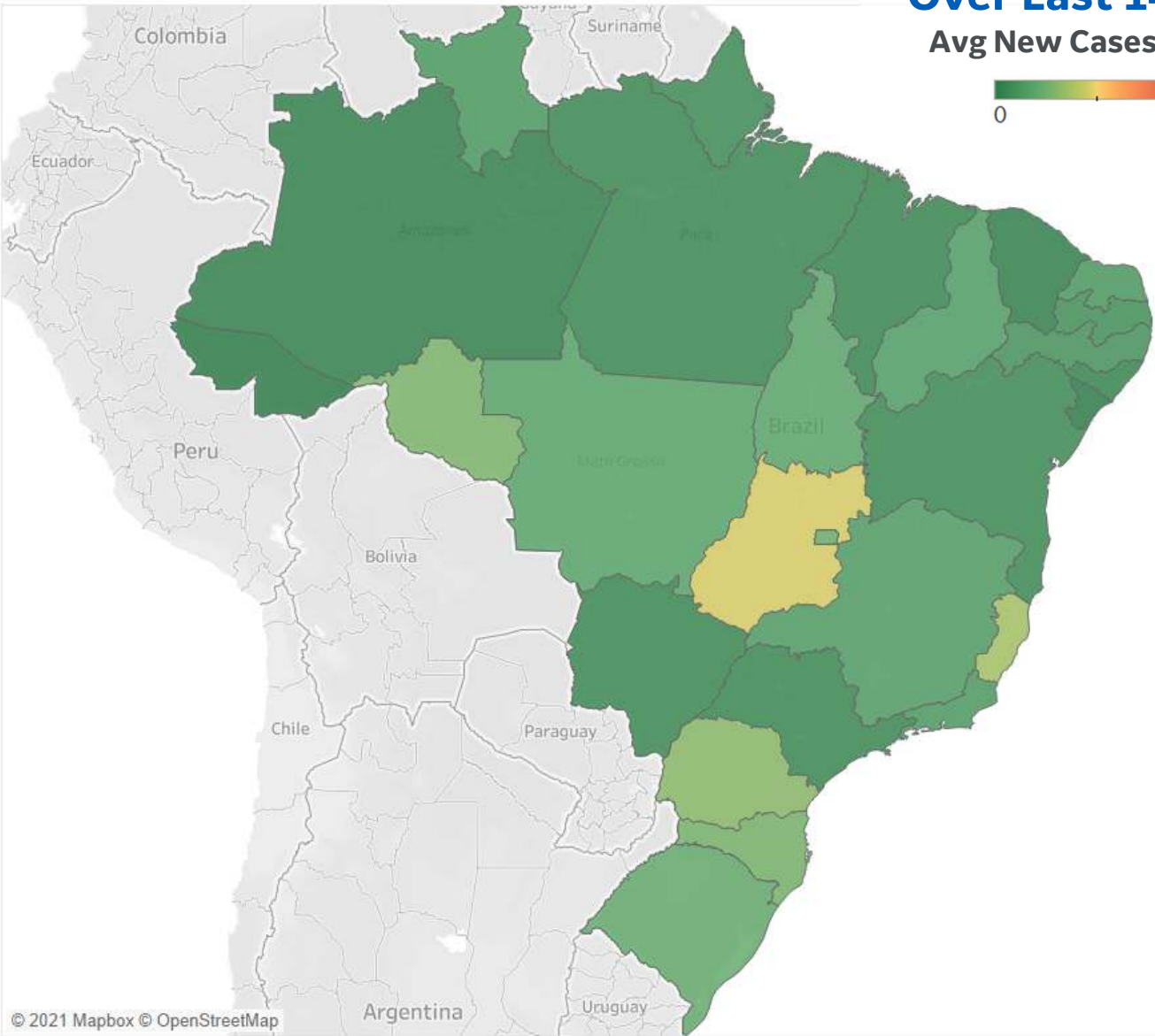
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Goiás	186	3
Espírito Santo	146	3
Paraná	123	4
Rondônia	112	1
Santa Catarina	107	2
Distrito Federal	94	4
Rio Grande do Sul	86	2
Tocantins	79	2
MatoGrosso	75	1
Piauí	62	1
Minas Gerais	60	1
Rio de Janeiro	58	3
Rio Grande do Norte	54	1
Pernambuco	43	1
Paraíba	38	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	14,624	+0.1%
Confirmed	19	+0.1%
Deaths	0.5	+0.2%
Recovered	19	+0.1%

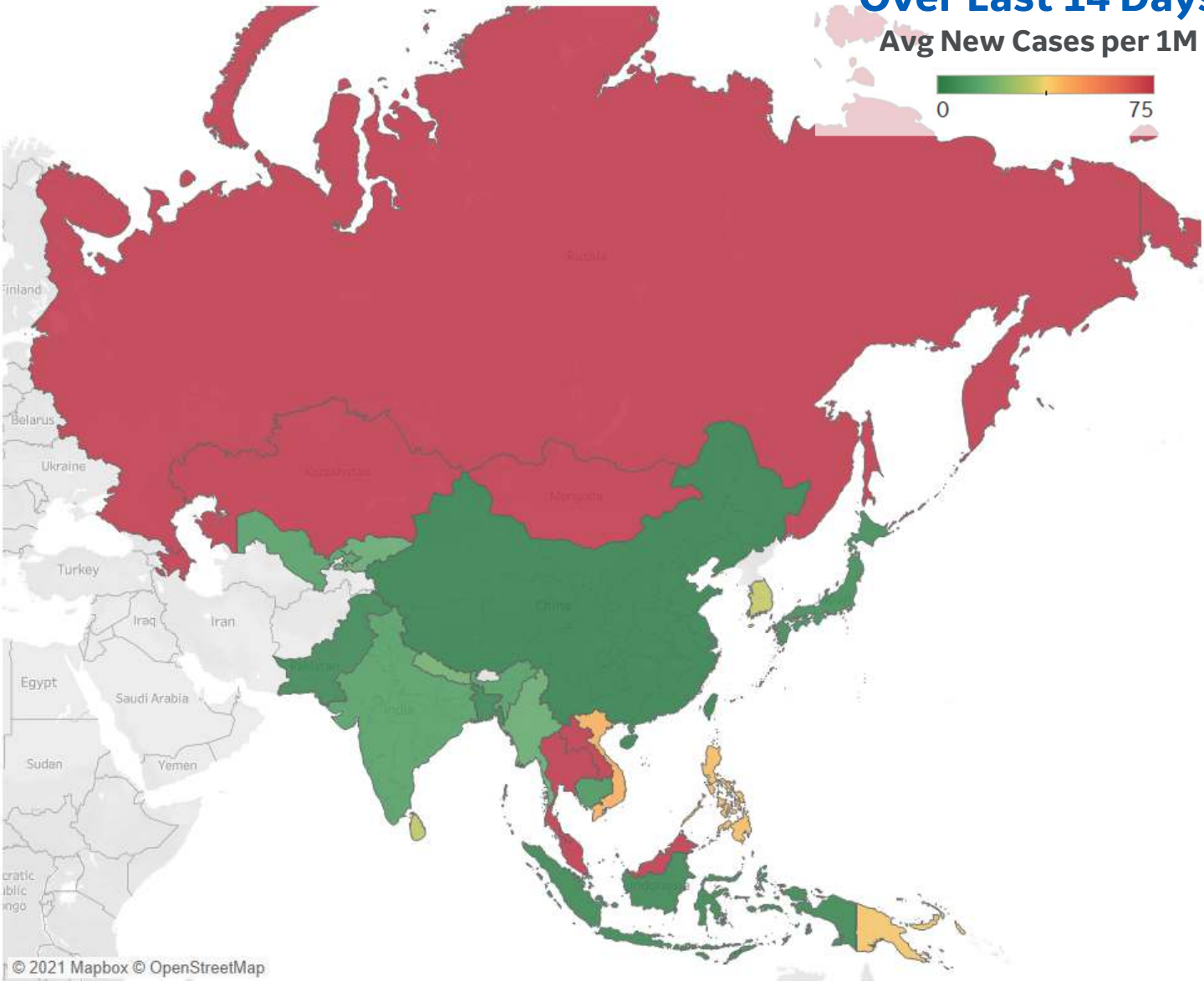
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Singapore	612	2
Mongolia	447	4
Russia	251	7
Azerbaijan	205	2
Malaysia	177	2
Thailand	129	1
Kazakhstan	91	2
Laos	85	0
Vietnam	44	1
Philippines	41	2
Papua New Guinea	40	0
South Korea	33	0
Sri Lanka	31	1
Nepal	18	0
Myanmar	16	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

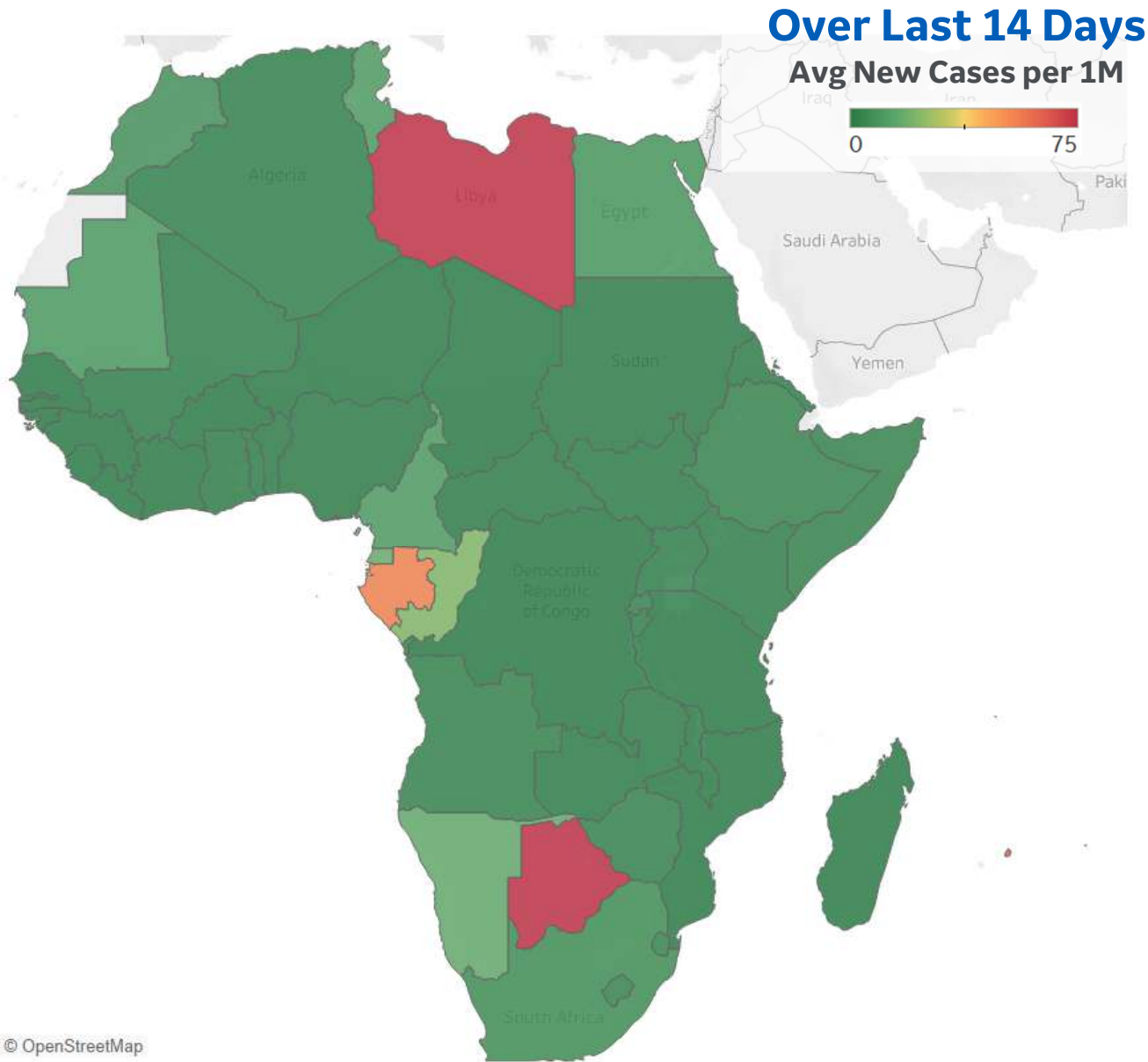
Per 1M in Region

	Today	Change
Active Cases	6,195	+0.05%
Confirmed	3	+0.05%
Deaths	0.1	+0.1%
Recovered	5	+0.1%

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

	Cases	Deaths
Botswana	98	1
Libya	76	2
Mauritius	64	2
Gabon	54	1
Congo (Brazzaville)	22	1
Eq. Guinea	18	0
Namibia	16	0
Cameroon	11	0
Tunisia	11	1
Mauritania	10	0
Egypt	9	0
Morocco	8	0
South Africa	7	1
Ethiopia	4	0
Eswatini	4	0

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





Africa

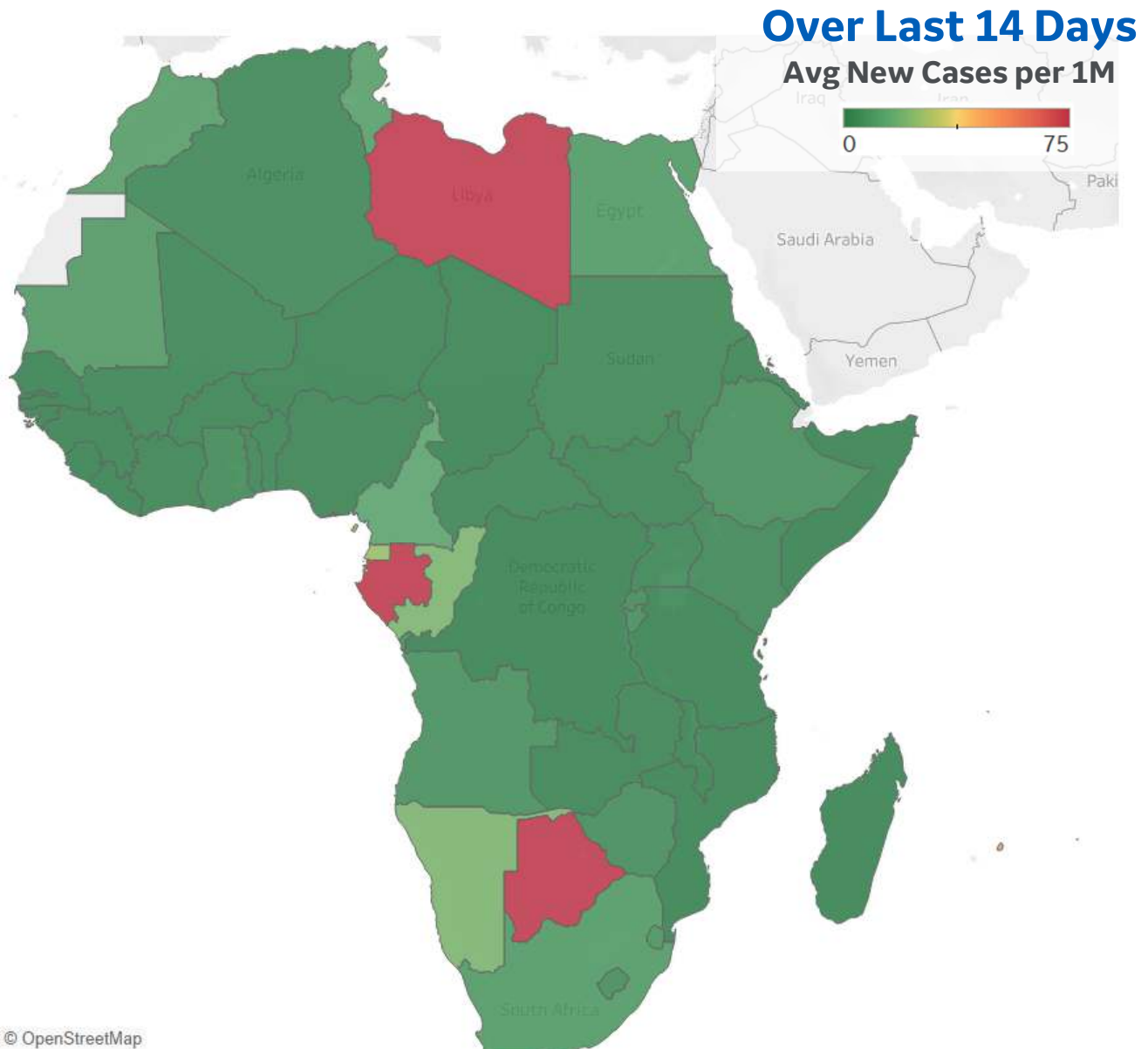
Per 1M in Region

	Today	Change
Active Cases	6,169	+0.0%
Confirmed	2	+0.0%
Deaths	0.1	+0.1%
Recovered	3	+0.1%

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

	Cases	Deaths
Botswana	136	1
Gabon	79	1
Libya	77	2
Mauritius	48	2
Eq. Guinea	26	0
Congo (Brazzaville)	20	0
Namibia	20	1
Cameroon	13	0
Tunisia	11	1
Morocco	10	0
South Africa	9	1
Egypt	9	0
Mauritania	8	0
Eswatini	7	1
Angola	5	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>

CDC Excess Deaths by State:

https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm