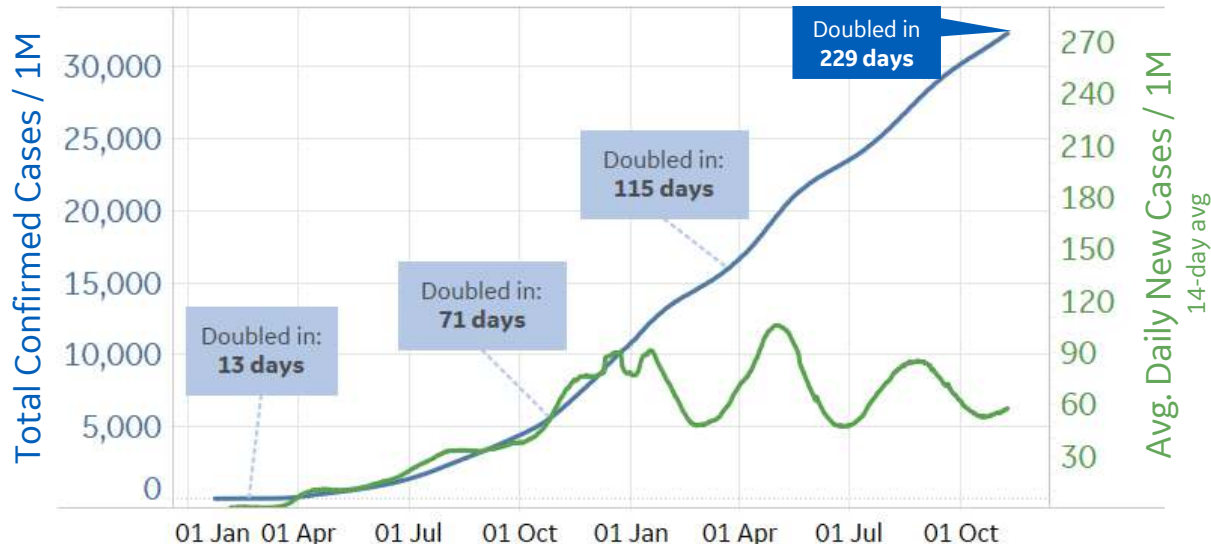


Global Confirmed Cases & Deaths

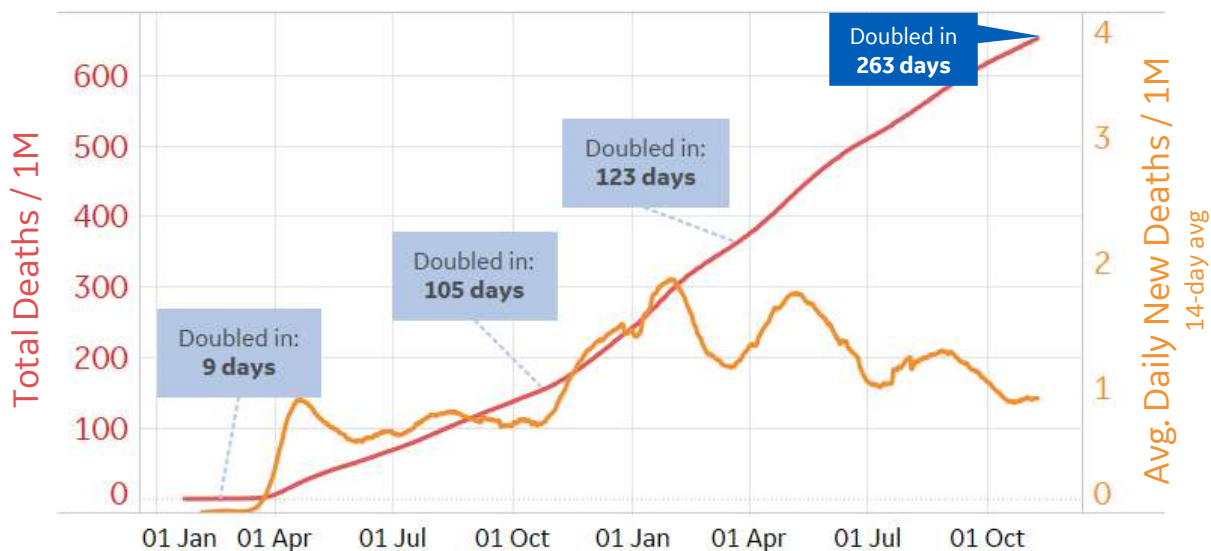
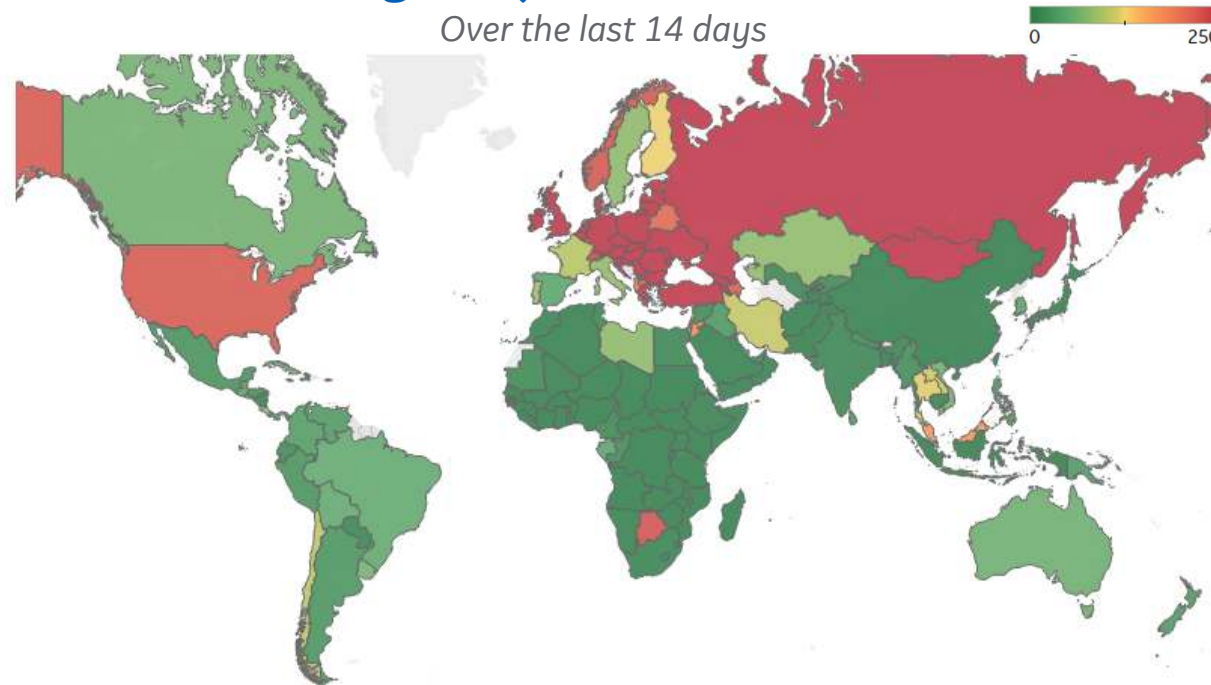


Trend since 22 Jan 2020



Avg. Daily New Cases / 1M

Over the last 14 days



Per 1M:	New Today	Change from 30 days ago
Active	63	+5%
Confirmed	63	+5%
Deaths	1	+4%
Recovered	55	+5%
Worldwide Survival Rate	To Date 98.0%	Last 30 Days 98.4%

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



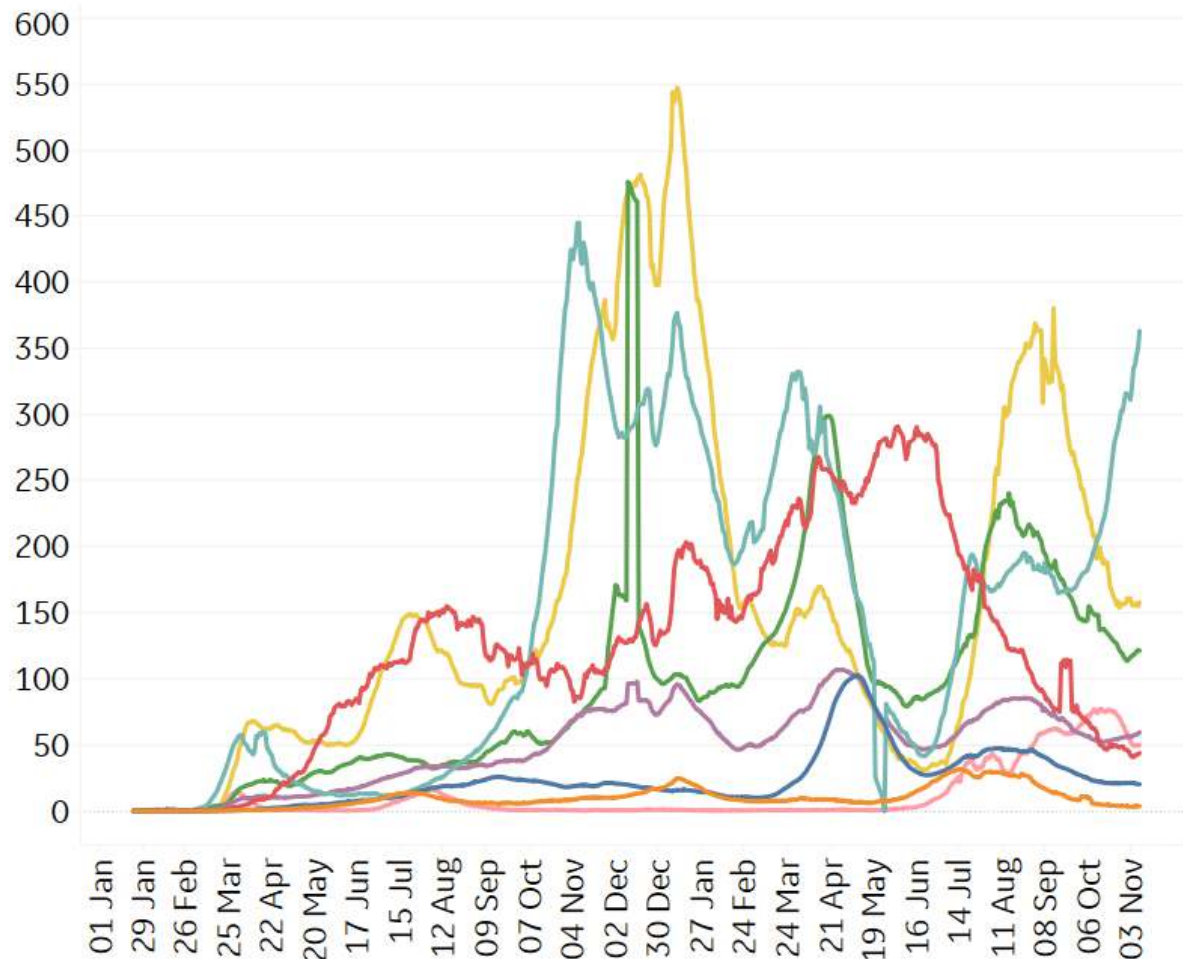
New Confirmed Cases & New Deaths



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

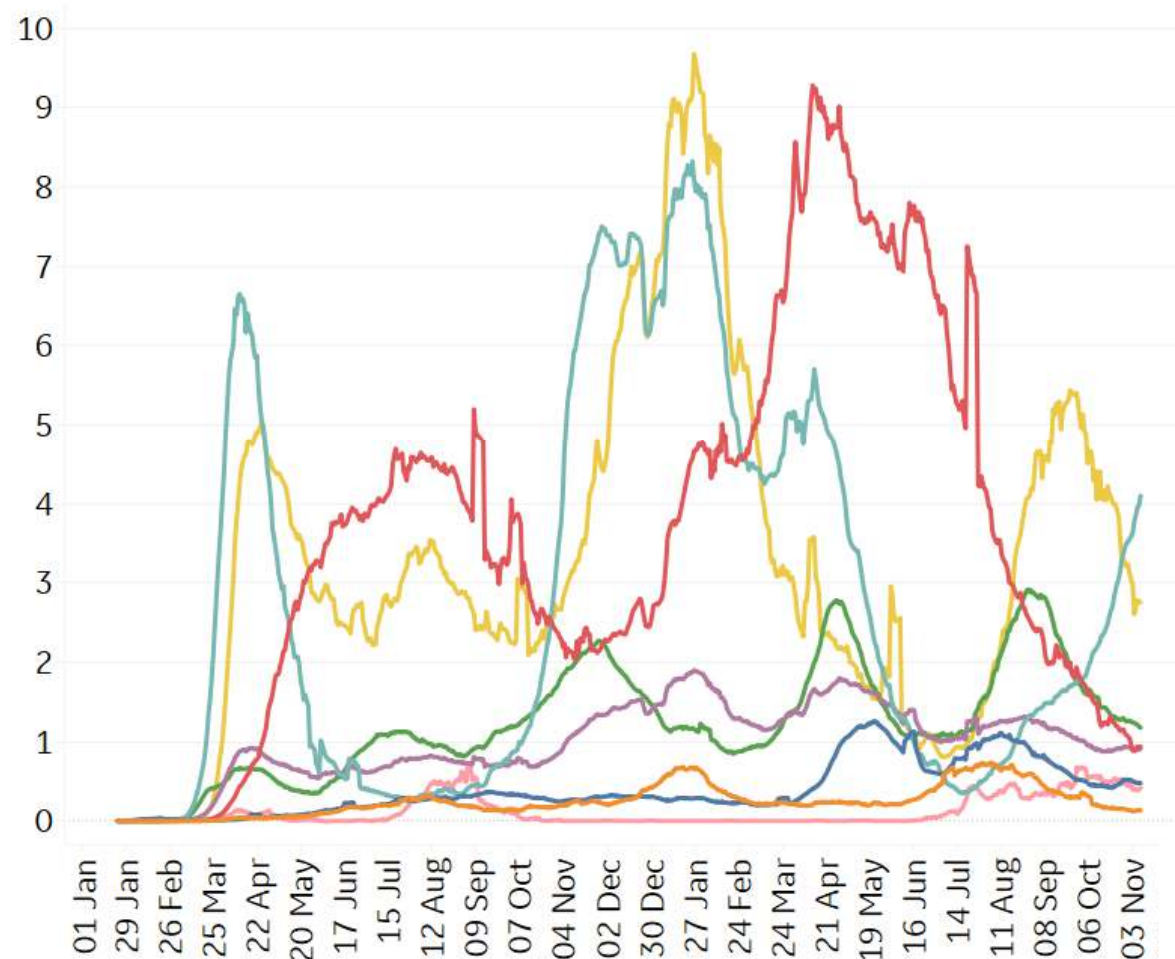
New Confirmed Cases / 1M

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	608	23	91,826	79,140	3,657	23%	39%
North Macedonia	242	7	98,990	92,475	3,476	29%	-15%
Hungary	523	8	94,199	84,791	3,250	182%	215%
Czechia	714	4	169,872	158,767	2,900	182%	254%
Brazil	48	1	102,965	99,389	2,868	-2%	-18%
Romania	417	22	88,947	79,018	2,651	-32%	12%
Georgia	1,205	15	189,274	171,382	2,634	4%	39%
Argentina	26	0	117,225	114,290	2,570	8%	-19%
Colombia	36	1	98,598	95,612	2,507	27%	6%
Slovakia	943	6	95,547	81,354	2,430	104%	93%
Slovenia	1,385	6	171,848	151,893	2,330	93%	97%
Croatia	1,082	10	122,421	106,317	2,325	102%	72%
US	221	3	140,824	135,435	2,283	-7%	-28%
Armenia	571	15	108,409	97,816	2,261	5%	34%
Belgium	964	3	124,148	112,342	2,261	79%	60%
Lithuania	943	12	157,419	141,020	2,254	5%	15%
Italy	89	1	79,597	76,268	2,190	64%	9%
UK	503	3	138,162	128,286	2,096	-15%	26%
Poland	307	3	82,214	76,575	2,055	158%	127%
Moldova	283	11	86,046	79,612	2,019	-19%	25%
Chile	110	1	89,528	86,083	1,982	39%	70%
Spain	64	1	107,627	105,116	1,873	20%	4%
Latvia	934	19	123,130	106,004	1,864	-8%	92%
France	112	1	112,171	108,917	1,822	31%	-3%
EU	323	3	92,902	87,126	1,817	60%	40%

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
Portugal	98	1	107,694	104,665	1,786	29%	-21%
Uruguay	56	0	113,829	111,186	1,753	40%	67%
Panama	28	1	109,745	107,615	1,700	-25%	-36%
Kosovo	9	0	87,184	85,439	1,614	2%	0%
Sweden	79	0	116,552	113,963	1,491	36%	-27%
Costa Rica	67	2	110,513	107,968	1,406	-45%	-36%
Switzerland	281	1	103,308	98,725	1,304	89%	48%
Austria	897	2	99,048	87,709	1,279	133%	64%
Lebanon	97	1	94,773	92,229	1,253	15%	31%
Estonia	1,131	8	155,204	136,976	1,219	26%	114%
Serbia	633	7	135,896	125,169	1,199	-11%	15%
Ireland	697	2	95,700	86,320	1,112	50%	38%
Netherlands	611	1	131,487	123,055	1,110	102%	117%
Jordan	192	1	86,088	82,511	1,092	39%	22%
West Bank and G..	60	1	99,733	97,773	1,034	-45%	-33%
Botswana	375	0	82,262	78,063	1,024	58%	-67%
Israel	108	0	154,210	152,032	939	-34%	-49%
Turkey	338	3	97,955	92,568	857	-6%	0%
Bahrain	19	0	162,848	161,741	819	-44%	-100%
Cuba	48	0	84,443	82,875	730	-63%	-75%
Kuwait	5	0	96,678	96,028	577	-28%	-83%
Mongolia	265	3	112,074	106,768	554	-38%	-38%
Cyprus	178	0	104,316	101,693	478	30%	-45%
Qatar	43	0	83,389	82,619	212	39%	0%
Total World	59	1	32,318	30,859	653	7%	2%

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 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		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		New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
EU	143,619	1,355	41,364,604	38,793,078	808,871	60%	40%	Malaysia	4,941	53	2,510,852	2,407,149	29,349	-18%	-20%
US	73,255	1,150	46,613,282	44,829,400	755,647	-7%	-28%	Canada	2,372	24	1,743,338	1,681,539	29,246	-24%	-35%
Brazil	10,198	236	21,886,077	21,125,987	609,573	-2%	-18%	Pakistan	506	13	1,277,560	1,241,248	28,558	-24%	-31%
India	11,554	358	34,377,113	33,740,813	461,389	-19%	54%	Bangladesh	211	4	1,571,228	1,540,080	27,901	-35%	-43%
Mexico	2,796	196	3,826,786	3,494,714	289,734	-28%	-24%	Belgium	11,169	29	1,438,830	1,302,002	26,200	79%	60%
Russia	38,930	1,155	8,689,818	7,906,541	243,405	17%	14%	Iraq	1,087	25	2,064,011	2,024,439	23,372	-30%	-6%
Peru	814	28	2,207,890	1,995,790	200,469	0%	2%	Vietnam	7,136	67	976,672	869,981	22,598	71%	-19%
Indonesia	521	19	4,248,409	4,096,922	143,557	-34%	-38%	Thailand	7,915	63	1,975,591	1,839,454	19,703	-16%	-14%
UK	34,121	171	9,379,286	8,708,811	142,293	-15%	26%	Netherlands	10,472	23	2,253,015	2,108,531	19,025	102%	117%
Italy	5,402	43	4,812,594	4,611,297	132,423	64%	9%	Japan	194	5	1,723,782	1,702,337	18,309	-45%	-57%
Colombia	1,855	37	5,016,959	4,865,015	127,571	27%	6%	Portugal	998	7	1,098,125	1,067,242	18,209	29%	-21%
Iran	8,809	140	5,996,155	5,740,921	127,439	-16%	-17%	Kazakhstan	1,351	26	1,030,911	992,588	17,330	-18%	-23%
France	7,337	42	7,321,767	7,109,407	118,924	31%	-3%	Greece	6,378	53	792,239	703,934	16,361	75%	34%
Argentina	1,161	22	5,298,069	5,165,442	116,143	8%	-19%	Sweden	797	5	1,177,094	1,150,939	15,057	36%	-27%
Germany	28,129	128	4,816,177	4,388,706	96,731	104%	88%	Morocco	167	6	947,451	929,657	14,721	-39%	-32%
South Africa	264	25	2,924,072	2,830,426	89,352	-42%	-29%	Austria	8,080	21	892,065	789,941	11,515	133%	64%
Spain	2,987	27	5,032,056	4,914,659	87,558	20%	4%	Nepal	274	5	814,929	798,276	11,453	-24%	-22%
Poland	11,626	107	3,111,534	2,898,120	77,760	158%	127%	Switzerland	2,428	6	894,093	854,426	11,282	89%	48%
Ukraine	22,865	679	3,233,178	2,836,510	77,156	30%	51%	Jordan	1,958	13	878,366	841,867	11,145	39%	22%
Turkey	28,548	212	8,261,473	7,807,124	72,314	-6%	0%	Georgia	4,808	60	755,046	683,673	10,509	4%	39%
Romania	8,016	418	1,711,137	1,520,119	50,996	-32%	12%	Serbia	5,533	65	1,187,373	1,093,645	10,472	-11%	15%
Philippines	2,131	178	2,805,294	2,716,786	44,521	-49%	13%	Cuba	545	4	956,452	938,695	8,265	-63%	-75%
Chile	2,094	15	1,711,442	1,645,572	37,879	39%	70%	Israel	935	3	1,334,766	1,315,916	8,124	-34%	-49%
Hungary	5,053	74	909,998	819,115	31,398	182%	215%	UAE	74	1	740,500	737,239	2,142	-25%	-35%
Czechia	7,643	40	1,819,158	1,700,234	31,053	182%	254%	Total World	459,895	7,042	250,368,196	239,061,124	5,055,955	7%	2%

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	111	3	170,393	165,146	3,411	-14%
Alabama	116	8	170,553	164,073	3,229	36%	-22%
New Jersey	138	2	136,039	130,863	3,163	0%	-12%
Louisiana	82	2	164,055	159,587	3,145	-20%	-49%
Arizona	420	5	163,815	155,051	2,941	43%	14%
New York	218	2	133,370	127,538	2,917	-2%	-8%
Arkansas	144	6	171,113	166,312	2,819	-18%	35%
Florida	70	5	172,332	168,465	2,813	-32%	-34%
Georgia	63	4	154,561	150,572	2,777	-50%	-44%
Massachusetts	219	2	125,616	119,978	2,770	-12%	-12%
Oklahoma	168	6	164,268	159,256	2,749	-33%	-74%
Rhode Island	252	0	171,646	165,740	2,721	-13%	-60%
S. Carolina	134	4	175,635	170,864	2,699	-27%	-36%
South Dakota	405	4	177,917	169,937	2,563	0%	-4%
West Virginia	442	8	155,444	146,668	2,538	-17%	-19%
Nevada	227	5	144,519	139,122	2,519	8%	-9%
Indiana	266	4	153,759	147,690	2,513	0%	-15%
Pennsylvania	358	5	124,751	117,857	2,493	-6%	-12%
Texas	108	4	147,056	142,901	2,483	-39%	-49%
Connecticut	100	1	113,851	110,043	2,465	-33%	-29%
New Mexico	562	4	136,437	126,900	2,444	21%	-8%
Tennessee	135	3	188,414	183,925	2,416	-24%	-39%
Michigan	489	4	132,146	123,319	2,406	13%	5%
North Dakota	647	5	199,459	187,880	2,397	3%	-4%
Montana	585	8	169,680	158,647	2,267	-30%	-9%

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
	Kansas	307	5	152,079	145,753	2,243	8%
Illinois	211	2	135,761	130,812	2,243	-5%	-20%
Kentucky	255	7	168,620	162,659	2,243	-24%	-23%
Iowa	375	5	156,702	148,763	2,241	19%	14%
Delaware	256	4	150,076	144,266	2,176	-24%	-18%
Wyoming	585	17	183,133	172,507	2,148	-17%	-13%
Ohio	336	0	134,768	128,248	2,144	-5%	-86%
Missouri	180	3	141,506	137,071	2,070	3%	-4%
Idaho	386	9	166,274	158,168	2,058	-39%	-18%
California	145	2	125,949	122,009	1,839	3%	-28%
Maryland	116	2	93,726	90,247	1,817	-13%	-16%
N. Carolina	161	3	142,474	138,332	1,746	-27%	-32%
DC	117	0	92,172	88,822	1,690	-1%	75%
Virginia	149	3	109,768	105,970	1,662	-40%	-34%
Wisconsin	442	4	155,475	148,125	1,645	6%	13%
Minnesota	538	4	145,265	135,513	1,593	34%	21%
Nebraska	445	2	150,327	142,666	1,551	59%	-24%
Colorado	516	6	133,475	124,855	1,476	24%	29%
New Hampshire	477	3	103,932	95,749	1,176	37%	24%
Washington	240	3	97,561	92,908	1,159	-16%	-17%
Oregon	225	8	88,733	84,195	1,095	-8%	11%
Alaska	790	13	196,123	183,390	1,085	-21%	-15%
Utah	513	3	176,102	168,197	1,029	-1%	-3%
Maine	373	4	80,175	74,214	898	13%	81%
Hawaii	78	5	60,132	58,258	679	-8%	72%
Vermont	505	4	68,185	61,857	615	15%	106%

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	5,730	76	4,976,544	4,820,861	72,644	3%	-28%
Texas	3,123	107	4,264,018	4,143,530	72,009	-39%	-49%
Florida	1,500	107	3,701,310	3,618,243	60,418	-32%	-34%
New York	4,247	34	2,594,515	2,481,074	56,749	-2%	-8%
Pennsylvania	4,589	66	1,597,065	1,508,806	31,915	-6%	-12%
Georgia	673	44	1,641,036	1,598,683	29,483	-50%	-44%
Illinois	2,671	22	1,720,345	1,657,629	28,419	-5%	-20%
New Jersey	1,226	16	1,208,321	1,162,347	28,092	0%	-12%
Ohio	3,933	0	1,575,319	1,499,102	25,067	-5%	-86%
Michigan	4,887	42	1,319,724	1,231,568	24,027	13%	5%
Arizona	3,054	36	1,192,365	1,128,573	21,409	43%	14%
Massachusetts	1,511	13	865,806	826,951	19,093	-12%	-12%
N. Carolina	1,688	30	1,494,278	1,450,838	18,317	-27%	-32%
Indiana	1,790	26	1,035,141	994,281	16,916	0%	-15%
Tennessee	921	23	1,286,713	1,256,058	16,500	-24%	-39%
Alabama	570	37	836,255	804,478	15,834	36%	-22%
Louisiana	380	10	762,659	741,887	14,622	-20%	-49%
Virginia	1,276	29	936,928	904,510	14,190	-40%	-34%
S. Carolina	687	20	904,293	879,730	13,896	-27%	-36%
Missouri	1,104	21	868,480	841,262	12,704	3%	-4%
Maryland	703	11	566,637	545,607	10,988	-13%	-16%
Oklahoma	665	24	650,004	630,172	10,879	-33%	-74%
Mississippi	329	8	507,116	491,499	10,153	-14%	-32%
Kentucky	1,141	29	753,338	726,705	10,019	-24%	-23%
Wisconsin	2,572	21	905,245	862,449	9,576	6%	13%

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	3,036	24	819,239	764,241	8,986	34%	21%
Washington	1,830	24	742,919	707,488	8,827	-16%	-17%
Connecticut	356	3	405,910	392,335	8,790	-33%	-29%
Arkansas	433	18	516,386	501,898	8,508	-18%	35%
Colorado	2,970	34	768,646	719,007	8,499	24%	29%
Nevada	699	15	445,142	428,518	7,758	8%	-9%
Iowa	1,182	15	494,407	469,357	7,069	19%	14%
Kansas	894	16	443,055	424,625	6,536	8%	191%
New Mexico	1,179	9	286,086	266,088	5,124	21%	-8%
Oregon	949	35	374,253	355,113	4,620	-8%	11%
West Virginia	793	14	278,578	262,850	4,548	-17%	-19%
Idaho	689	15	297,142	282,657	3,678	-39%	-18%
Utah	1,645	9	564,576	539,231	3,300	-1%	-3%
Nebraska	861	4	290,794	275,975	3,001	59%	-24%
Rhode Island	267	0	181,835	175,579	2,882	-13%	-60%
Montana	625	8	181,350	169,558	2,423	-30%	-9%
South Dakota	359	4	157,396	150,336	2,267	0%	-4%
Delaware	249	4	146,139	140,481	2,119	-24%	-18%
North Dakota	493	4	152,000	143,176	1,827	3%	-4%
New Hampshire	649	4	141,317	130,191	1,599	37%	24%
Wyoming	338	10	105,990	99,840	1,243	-17%	-13%
Maine	502	6	107,772	99,760	1,207	13%	81%
DC	83	0	65,050	62,686	1,193	-1%	75%
Hawaii	111	7	85,139	82,486	962	-8%	72%
Alaska	578	9	143,473	134,158	794	-21%	-15%
Vermont	315	2	42,547	38,598	384	15%	106%

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

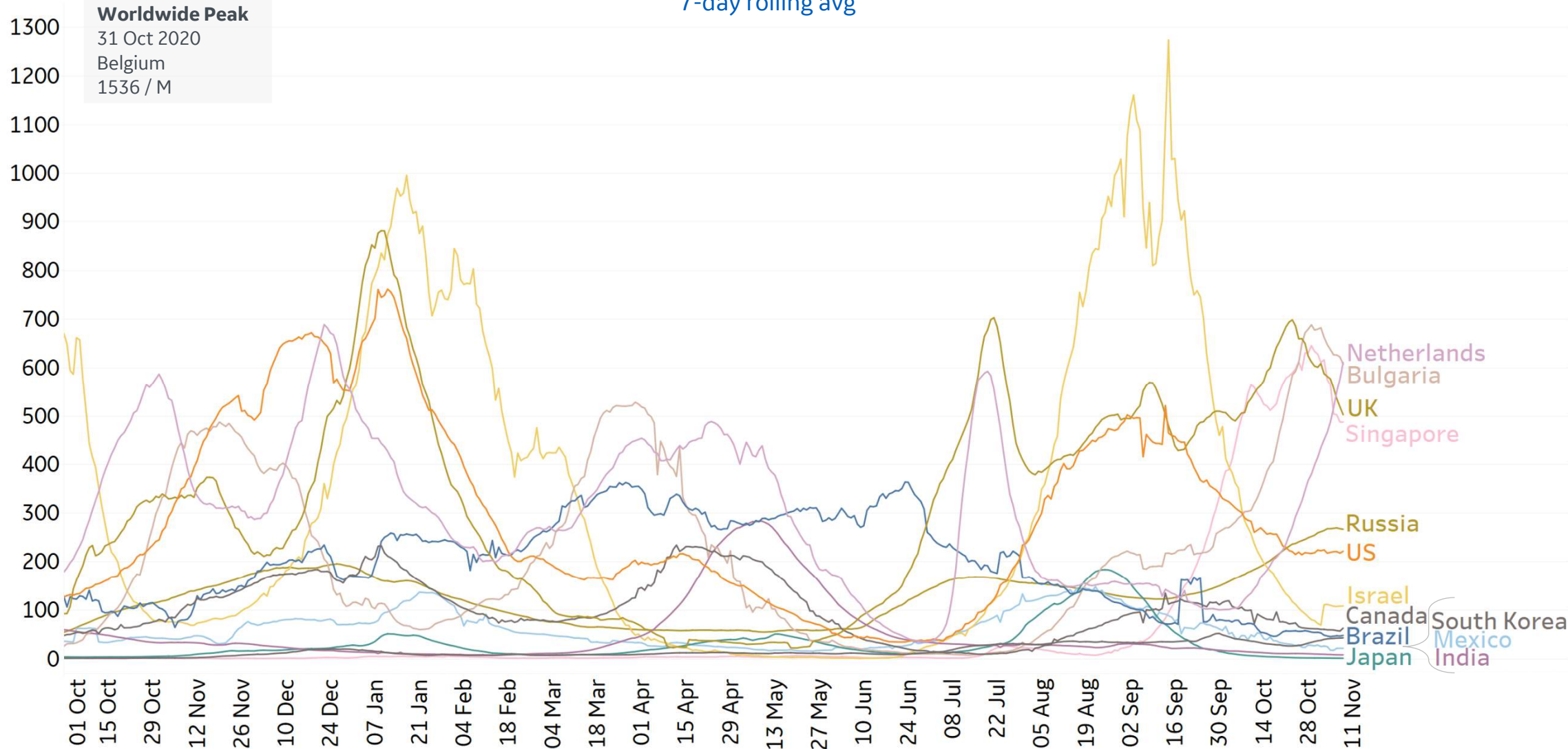


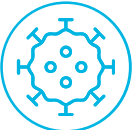
New Confirmed Cases in Select Countries



Daily New Confirmed Cases / 1M

7-day rolling avg



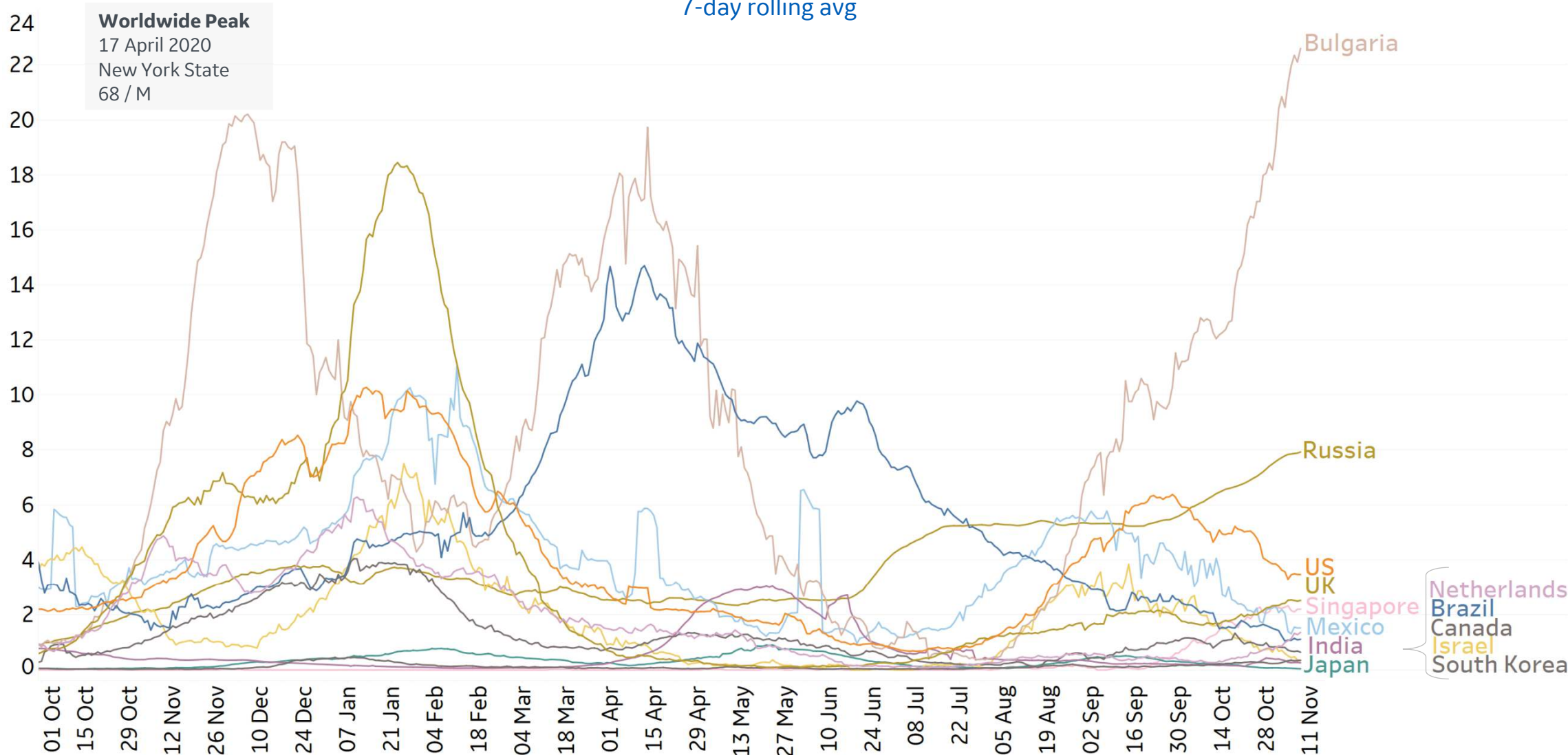


New Deaths in Select Countries



Daily New Deaths / 1M

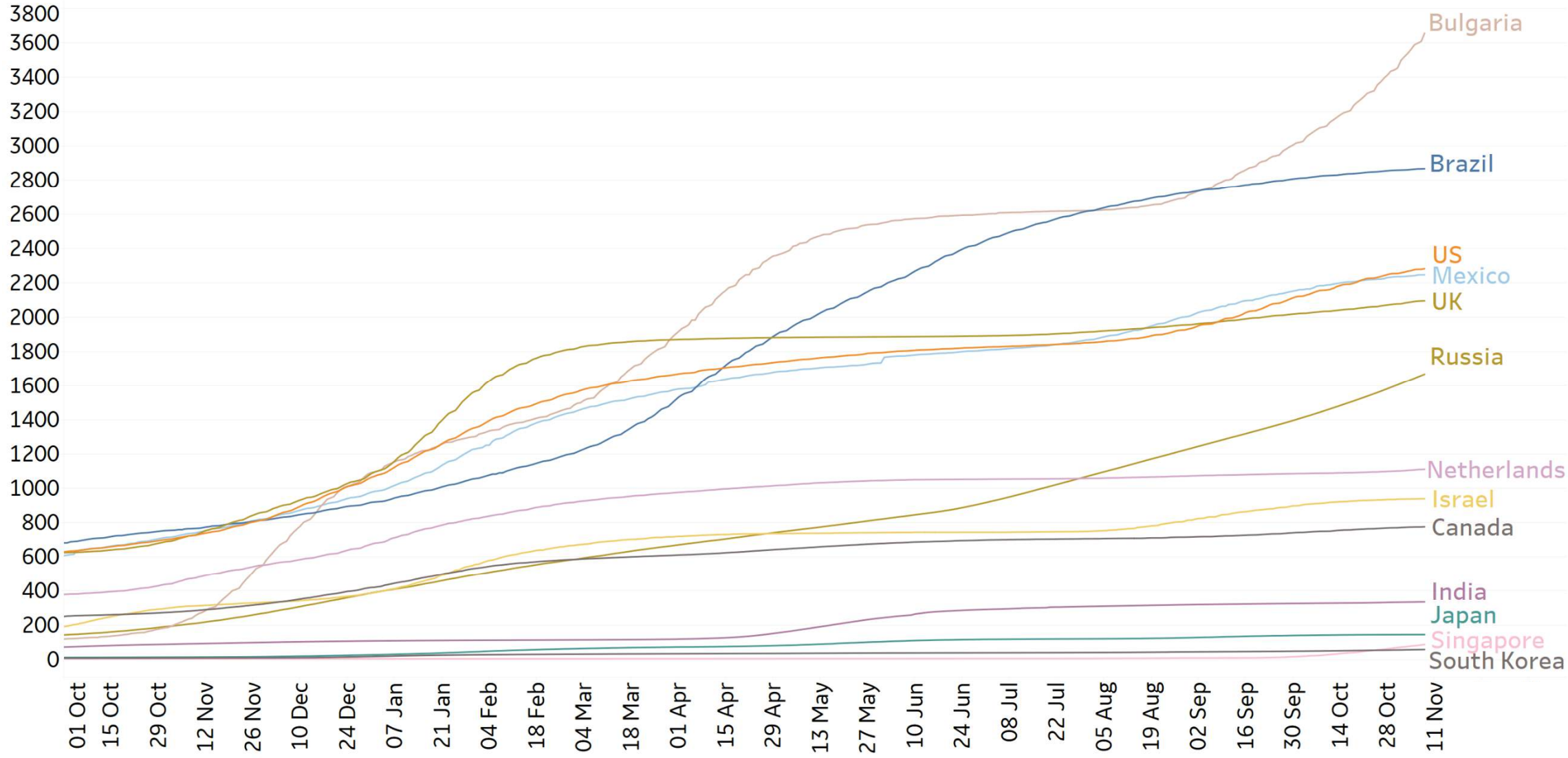
7-day rolling avg





Cumulative Deaths in Select Countries

Cumulative Deaths / 1M

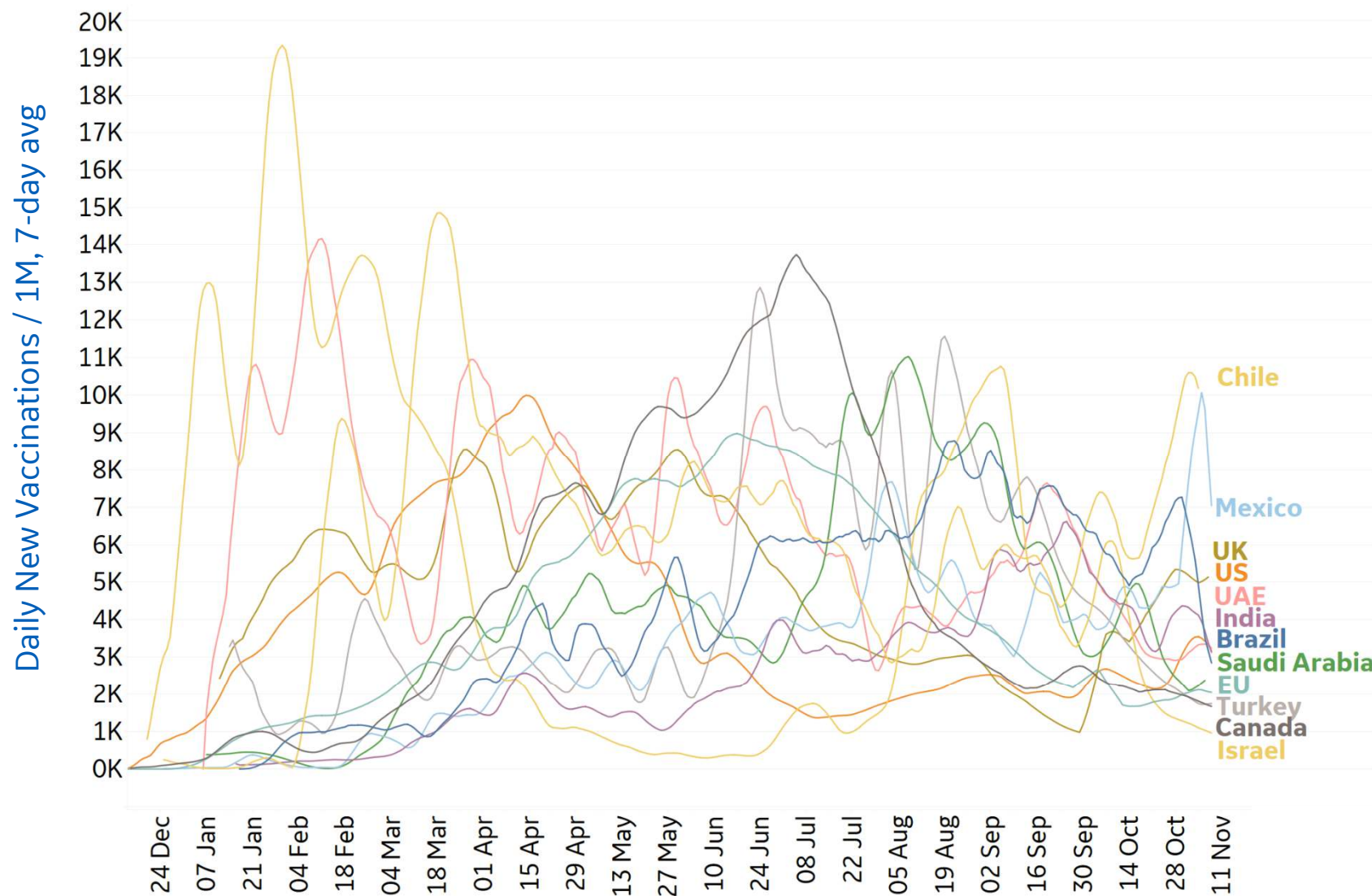




Daily & Total Vaccinations, Select Countries

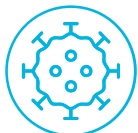


Select countries with data available



	Total Vaccinations per 1M	% of Population Fully Vaccinated
UAE	2,158,476	88.5%
Israel	1,847,713	66.4%
Canada	1,568,277	75.6%
UK	1,567,598	67.5%
Spain	1,557,170	80.0%
France	1,533,007	70.7%
Italy	1,506,686	72.0%
Turkey	1,393,925	58.4%
Germany	1,350,667	66.6%
EU	1,347,932	66.0%
Brazil	1,313,034	57.9%
US	1,305,463	58.2%
Mexico	995,530	48.3%
India	788,574	25.0%

*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	71.7%	80.6%	623,989
Rhode Island	71.4%	79.1%	1,059,361
Connecticut	71.1%	80.1%	3,565,287
Maine	71.0%	77.6%	1,344,212
Massachusetts	70.1%	81.4%	6,892,503
New York	67.2%	75.1%	19,453,561
New Jersey	66.8%	75.9%	8,882,190
Maryland	66.3%	73.4%	6,045,680
Washington	63.9%	69.9%	7,614,893
Virginia	63.6%	72.0%	8,535,519
New Hampshire	63.4%	79.0%	1,359,711
Oregon	63.2%	69.0%	4,217,737
New Mexico	62.5%	73.0%	2,096,829
Colorado	62.1%	68.4%	5,758,736
California	61.8%	75.4%	39,512,223
Minnesota	61.6%	66.0%	5,639,632
Pennsylvania	61.1%	79.8%	12,801,989
Illinois	61.0%	66.5%	12,671,821
Delaware	60.2%	69.6%	973,764
Florida	60.2%	69.6%	21,477,737
Hawaii	60.1%	79.6%	1,415,872
Wisconsin	58.7%	63.3%	5,822,434
Nebraska	56.5%	61.4%	1,934,408
Iowa	55.8%	60.1%	3,155,070
Utah	54.1%	61.6%	3,205,958

57.2%
Total US population
fully vaccinated
(572,322 per million)

67.0%
Population Age 12+
fully vaccinated
(670,167 per million)

66.0%
Total US population
having received
at least 1 dose
(659,910 per million)

77.3%
Population Age 12+
having received
at least 1 dose
(772,728 per million)

State	% Fully Vaccinated	% Rec'd at Least 1 Dose	Population
Michigan	53.8%	58.8%	9,986,857
Texas	53.7%	61.8%	28,995,881
Kansas	53.6%	63.4%	2,913,314
Arizona	53.6%	61.8%	7,278,717
Nevada	53.5%	64.1%	3,080,156
South Dakota	53.3%	62.9%	884,659
North Carolina	53.2%	65.6%	10,488,084
Alaska	53.1%	60.0%	731,545
Ohio	52.2%	56.3%	11,689,100
Kentucky	51.1%	58.1%	4,467,673
Montana	50.9%	57.4%	1,068,778
Oklahoma	50.5%	60.3%	3,956,971
South Carolina	50.4%	58.2%	5,148,714
Indiana	50.1%	54.2%	6,732,219
Missouri	50.1%	57.4%	6,137,428
Georgia	48.6%	57.3%	10,617,423
Arkansas	48.4%	58.6%	3,017,804
Louisiana	48.0%	54.2%	4,648,794
Tennessee	48.0%	54.9%	6,829,174
North Dakota	47.9%	55.7%	762,062
Mississippi	46.0%	52.4%	2,976,149
Alabama	45.1%	55.0%	4,903,185
Wyoming	44.4%	51.5%	578,759
Idaho	44.3%	49.6%	1,787,065
West Virginia	41.1%	49.2%	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

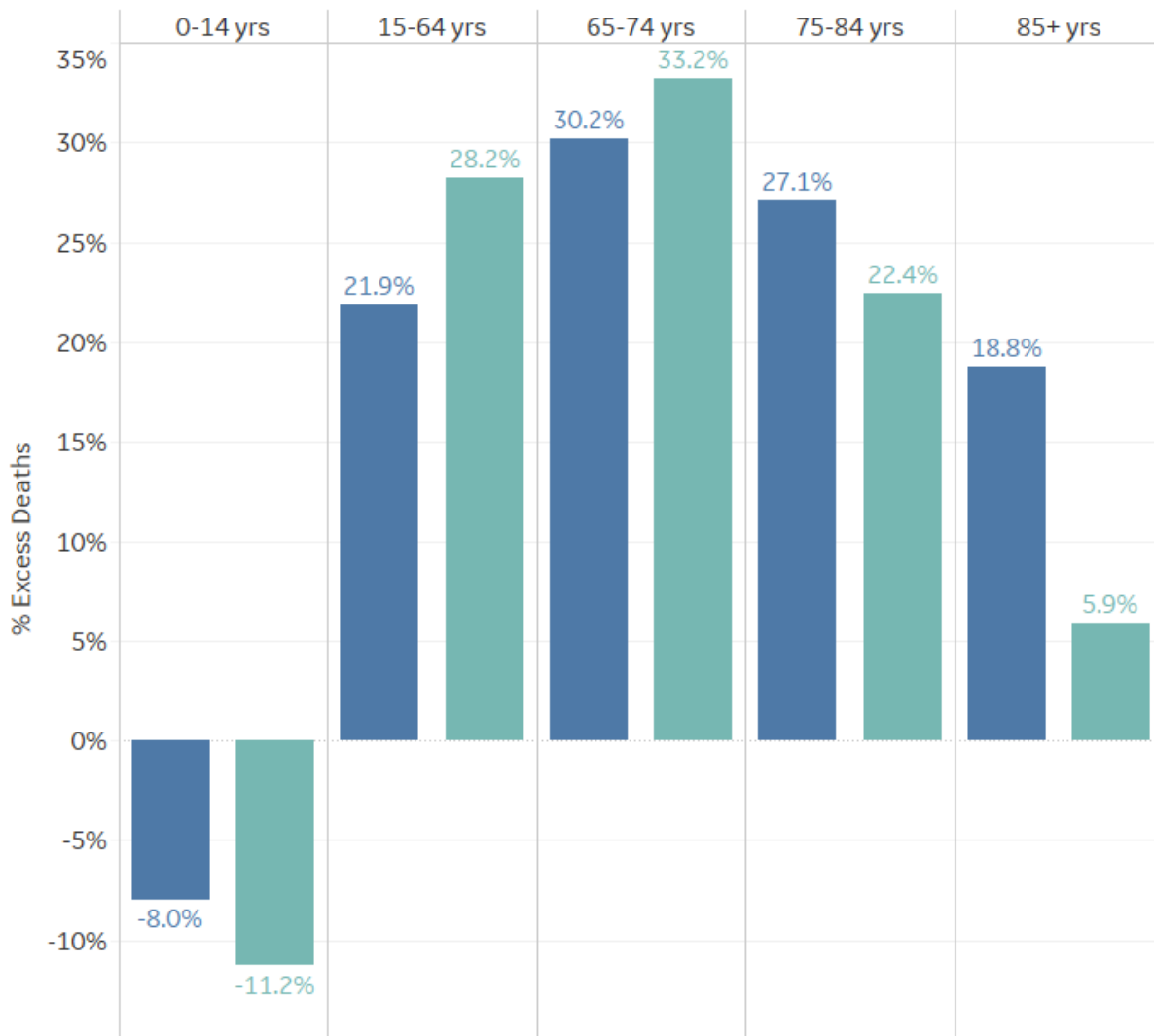


Feature: Excess Deaths Variance by Age Group, UK & US



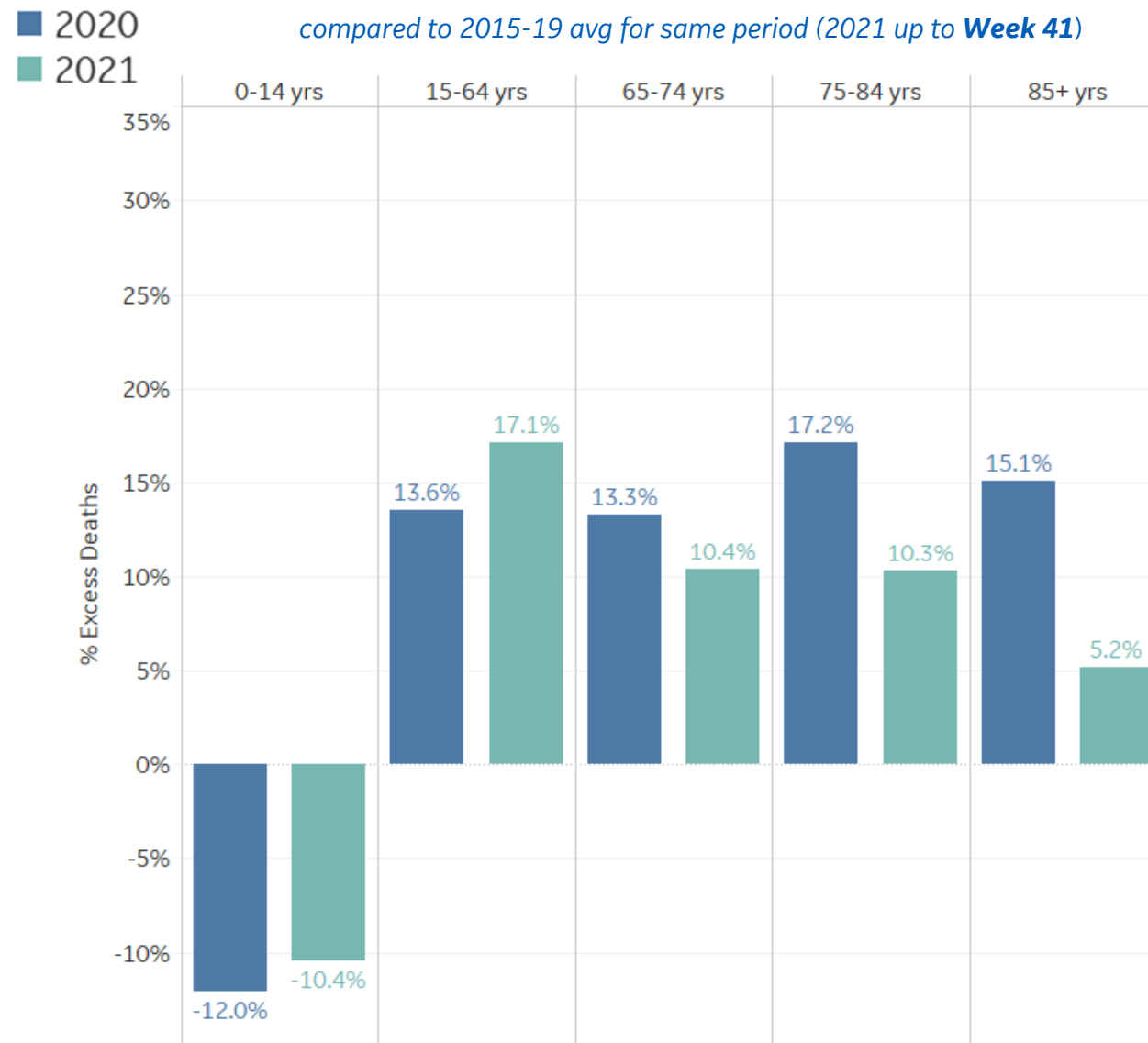
US Excess Deaths

compared to 2015-19 avg for same period (2021 up to **Week 37**)



UK Excess Deaths

compared to 2015-19 avg for same period (2021 up to **Week 41**)



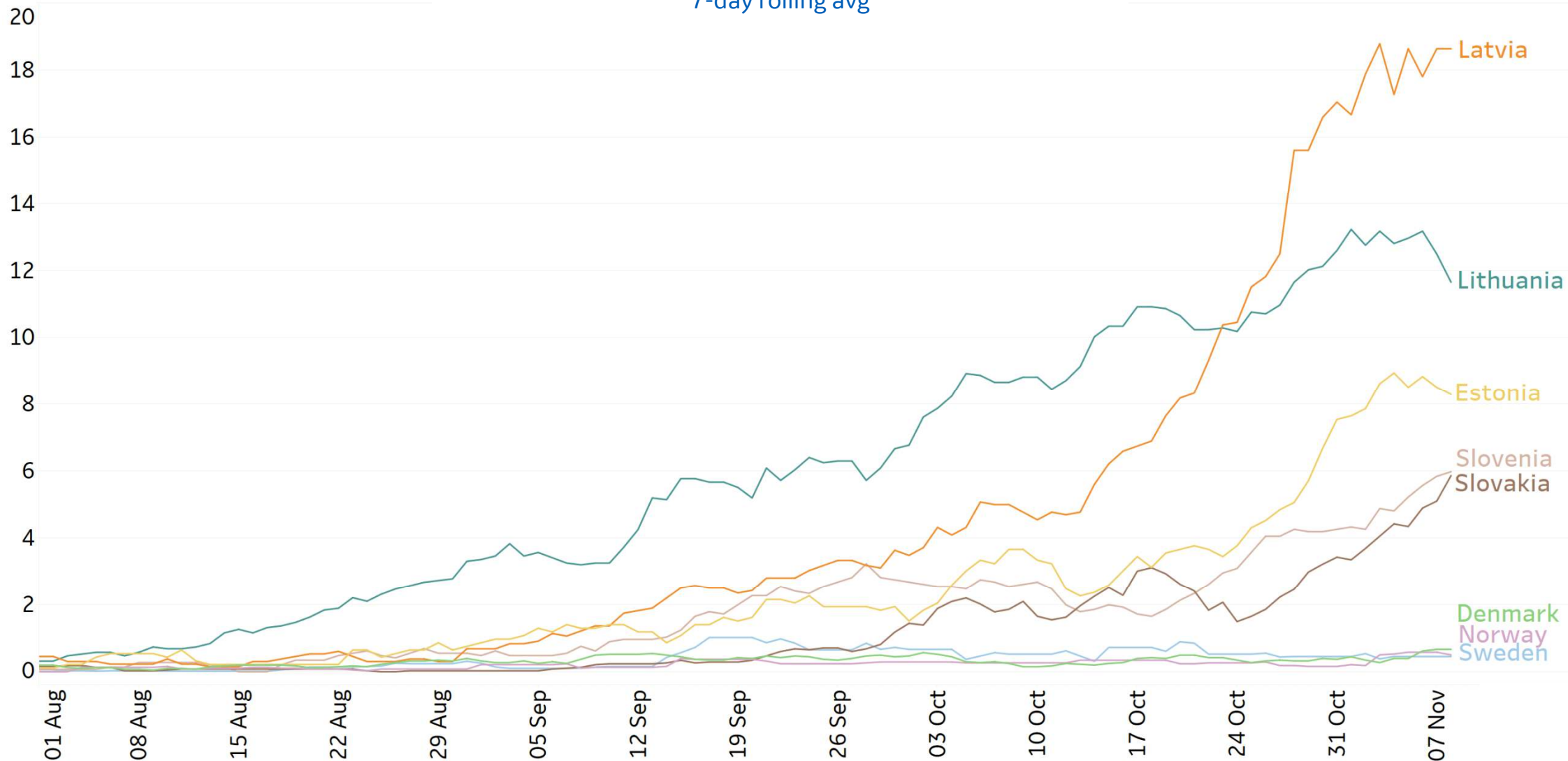


New Deaths in Select European Countries



Daily New Deaths / 1M

7-day rolling avg

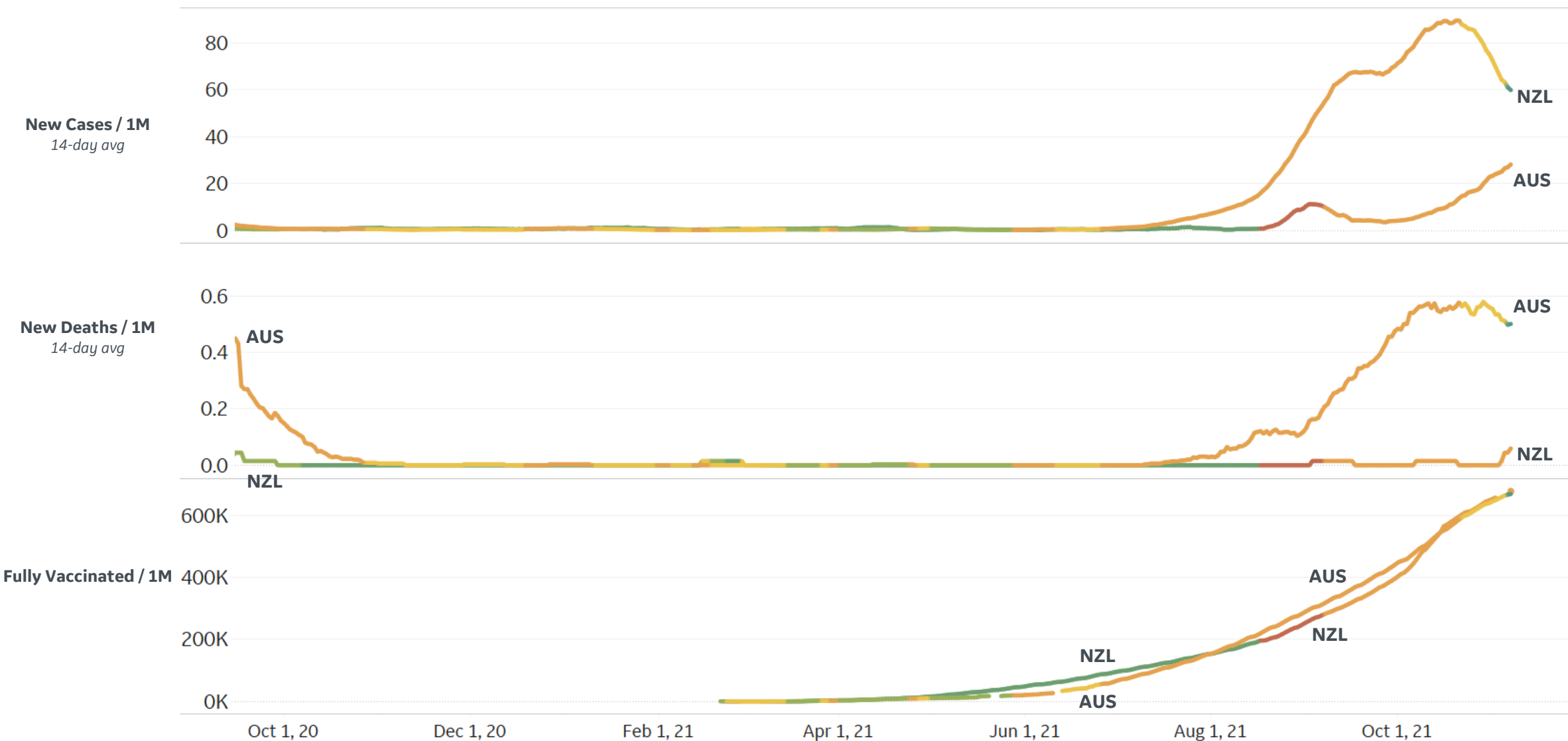


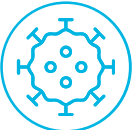


Feature: Cases, Deaths, and Vaccinations in Australia & New Zealand



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

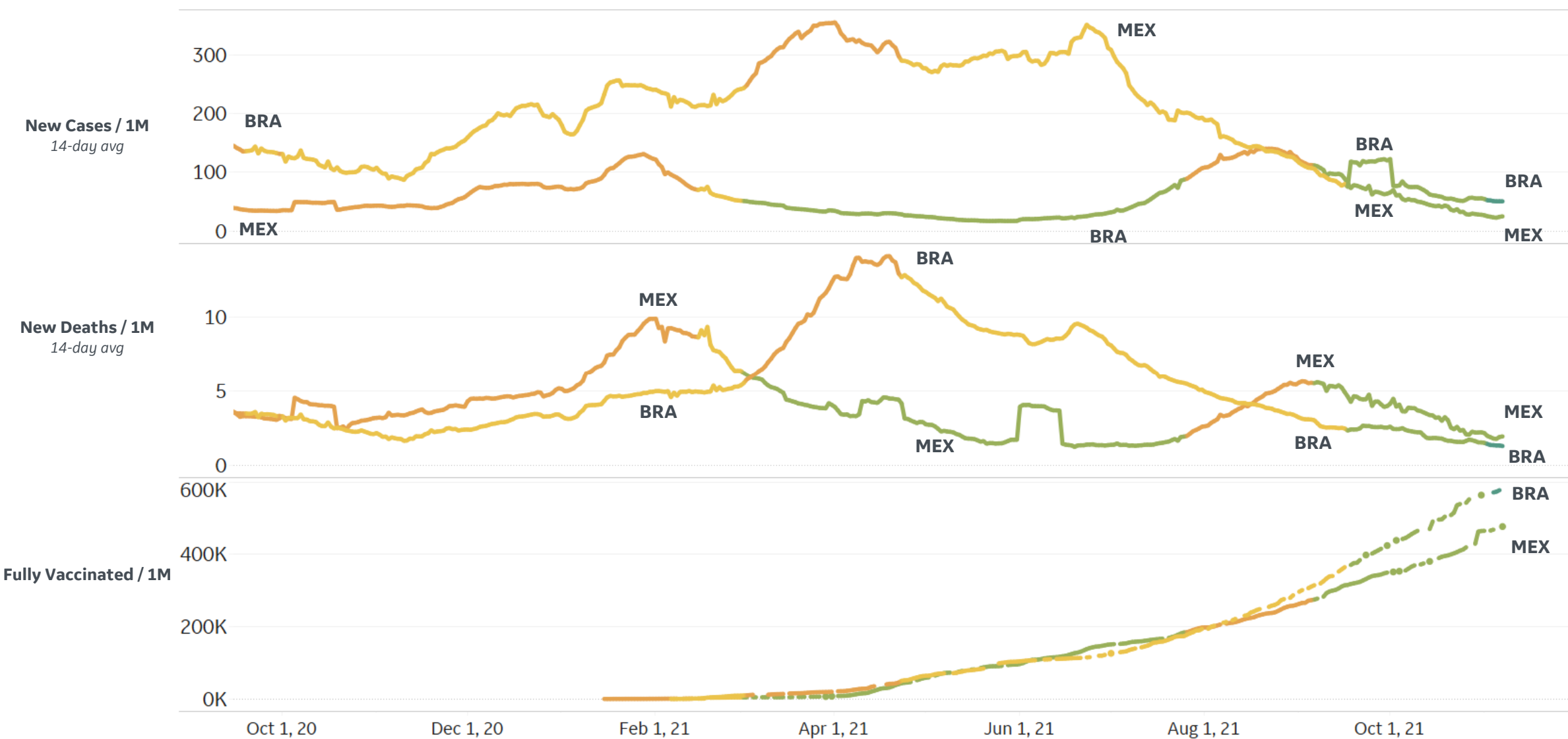


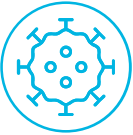


Feature: Cases, Deaths, and Vaccinations in Brazil & Mexico



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

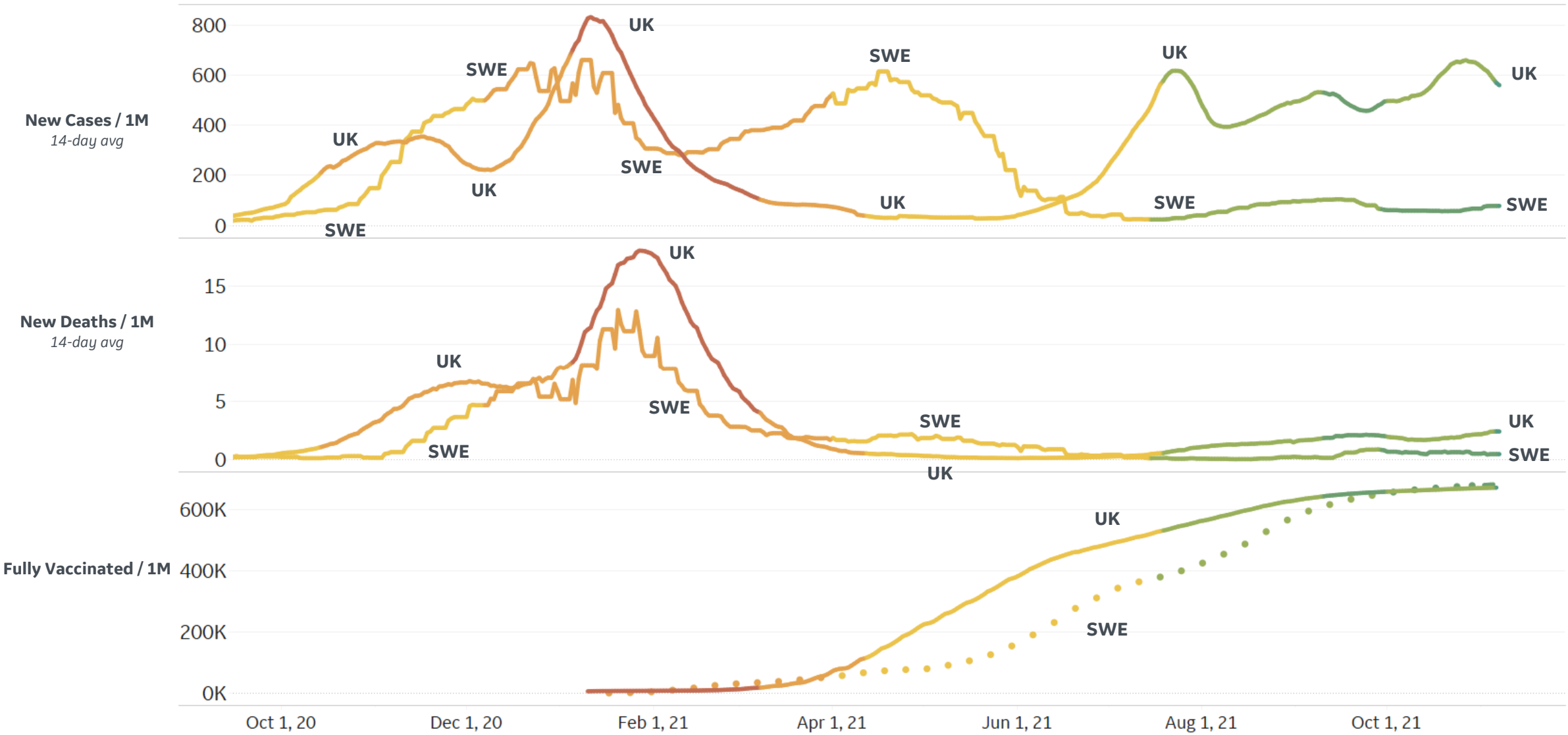




Feature: Cases, Deaths, and Vaccinations in Sweden & UK



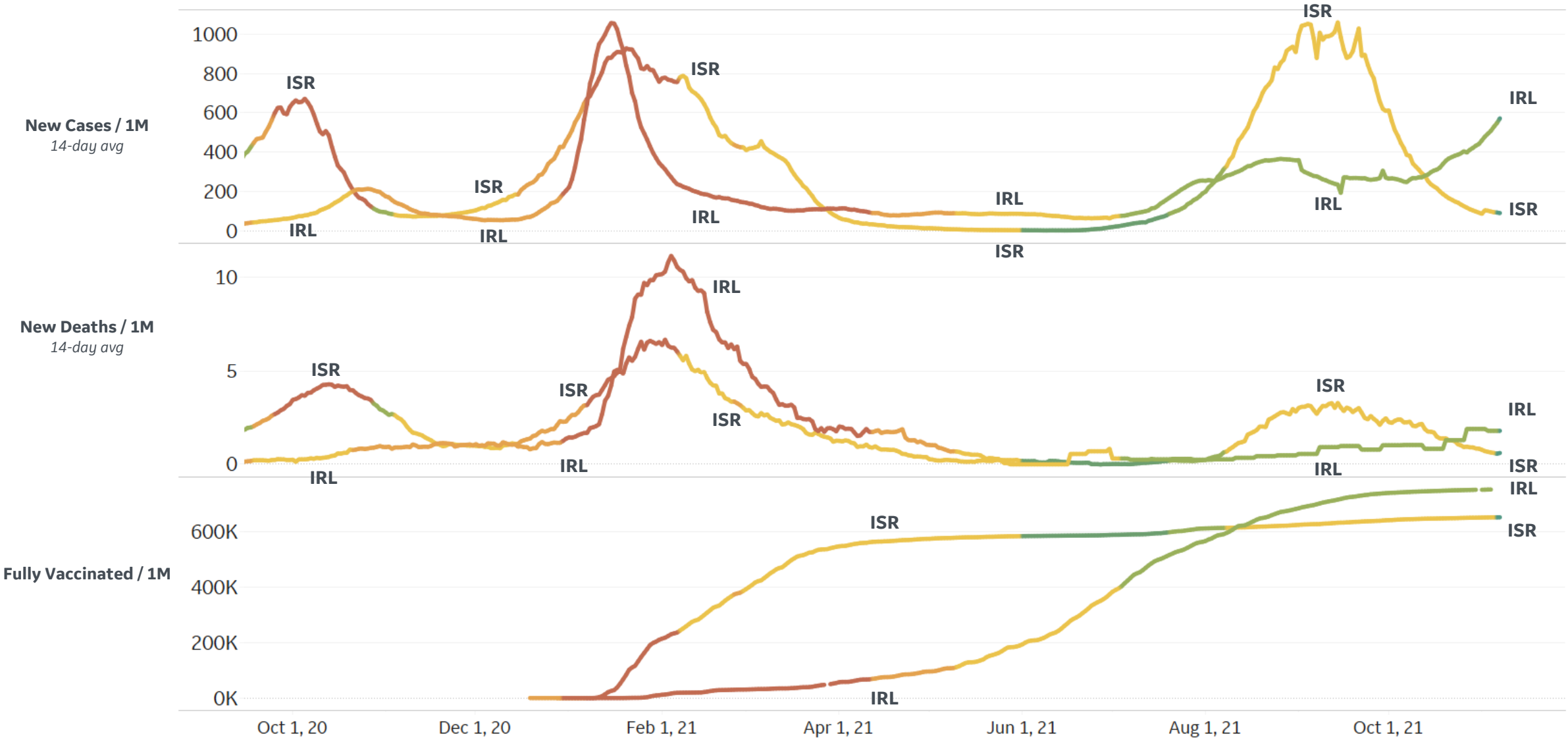
Since 15 Sept 2020. 14-day averages, per 1M. Colored by Oxford Stringency Index, strictness of government lockdown policies





Feature: Cases, Deaths, and Vaccinations in Ireland & Israel

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

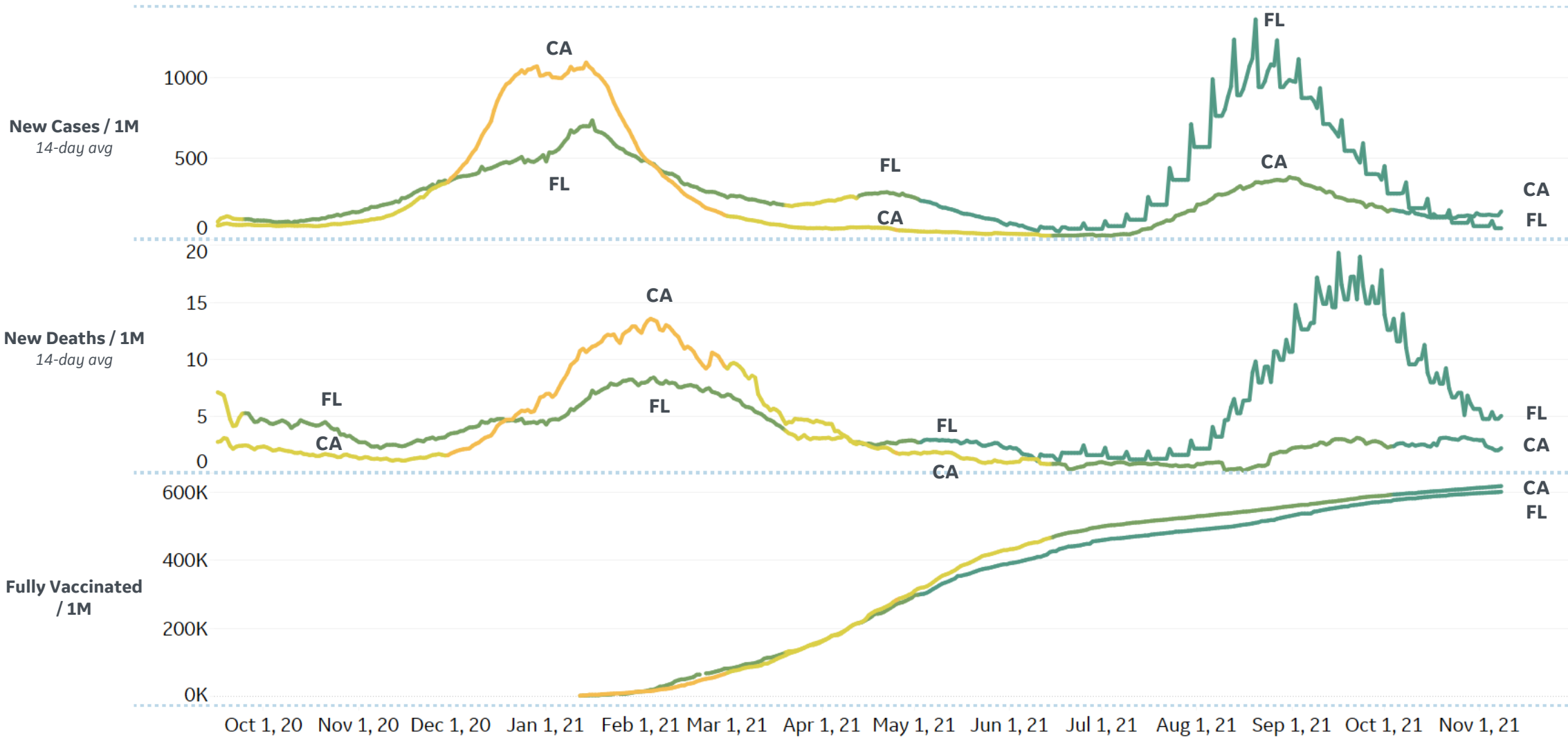




Feature: Cases, Deaths, and Vaccinations in California & Florida



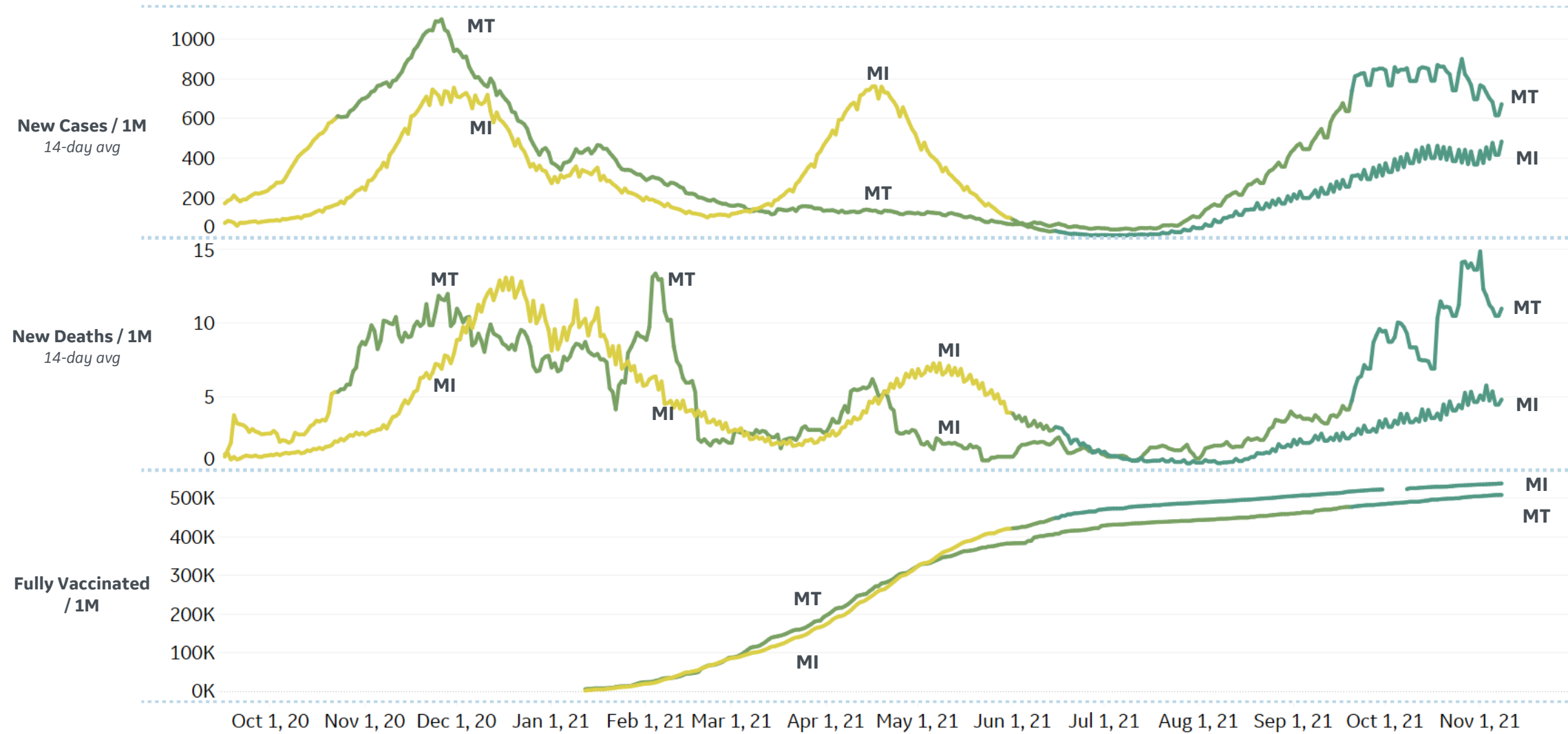
Since 15 Sept 2020. 14-day averages, per 1M. Colored by Oxford Stringency Index, strictness of government lockdown policies





Feature: Cases, Deaths, and Vaccinations in Michigan & Montana

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

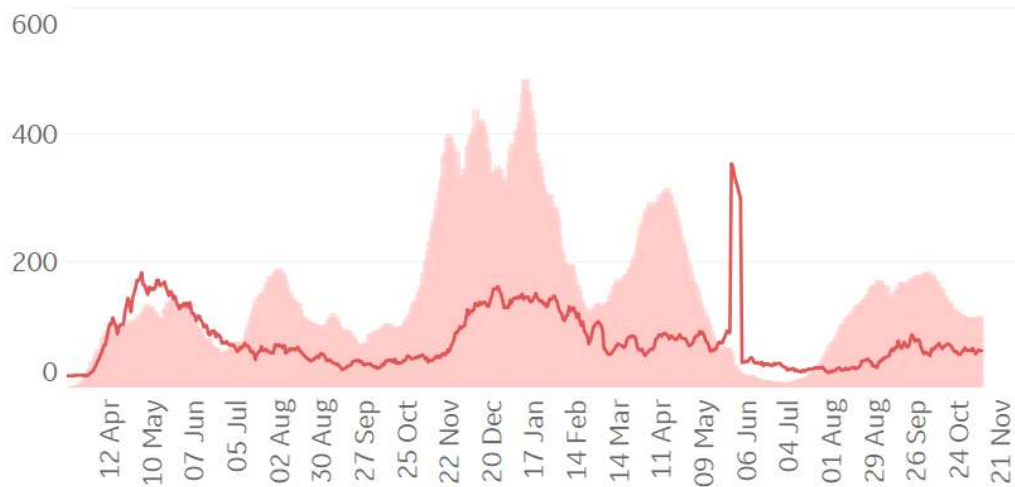




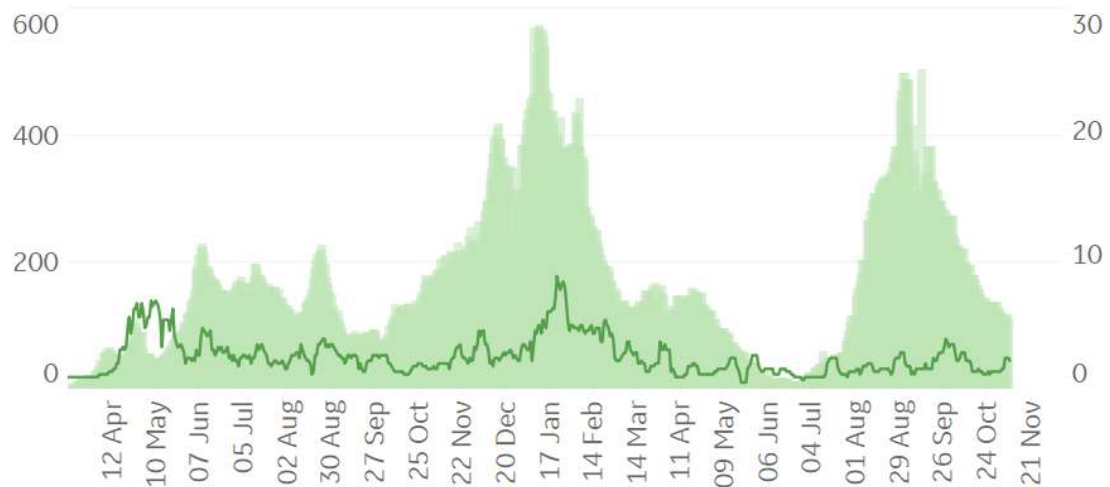
Feature: Trends in CC Ecosystem Cities



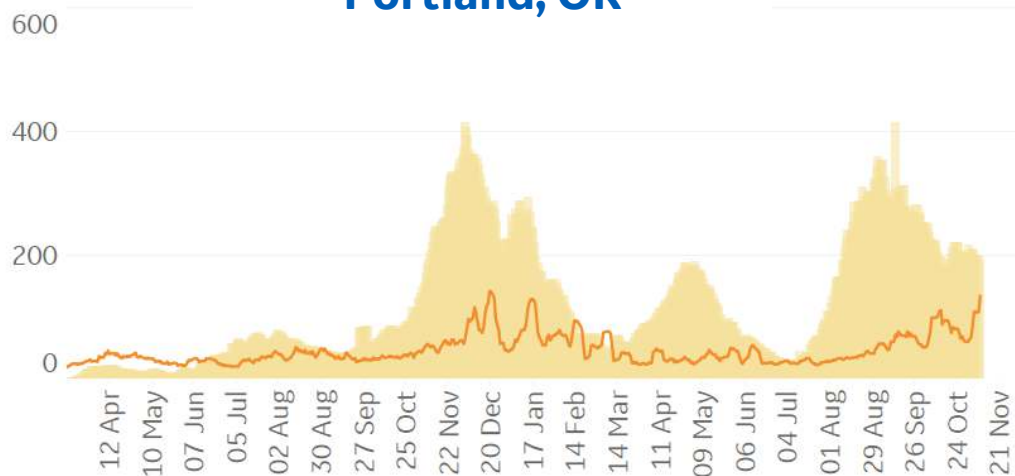
Baltimore, MD



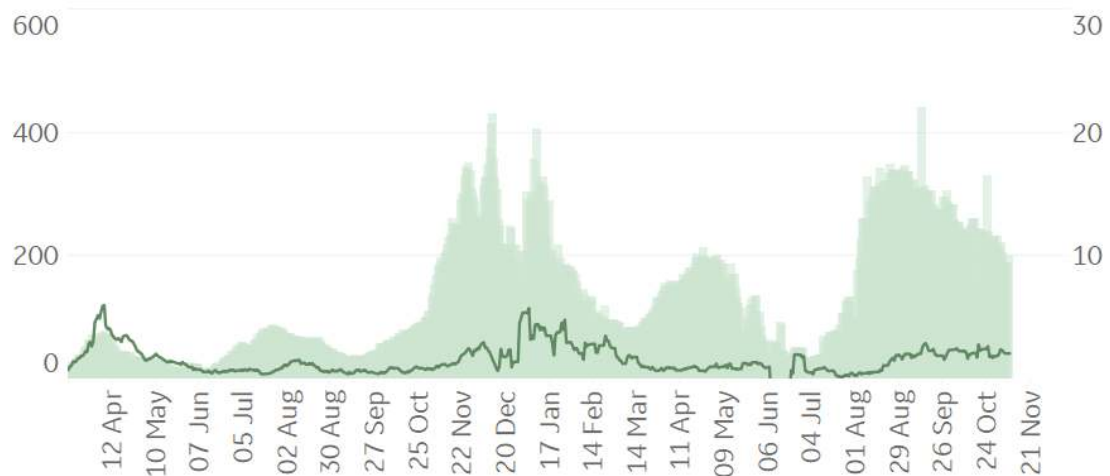
Durham, NC



Portland, OR



Seattle, WA



Daily New Confirmed Cases / 1M (Bars)

7-day Rolling Avg

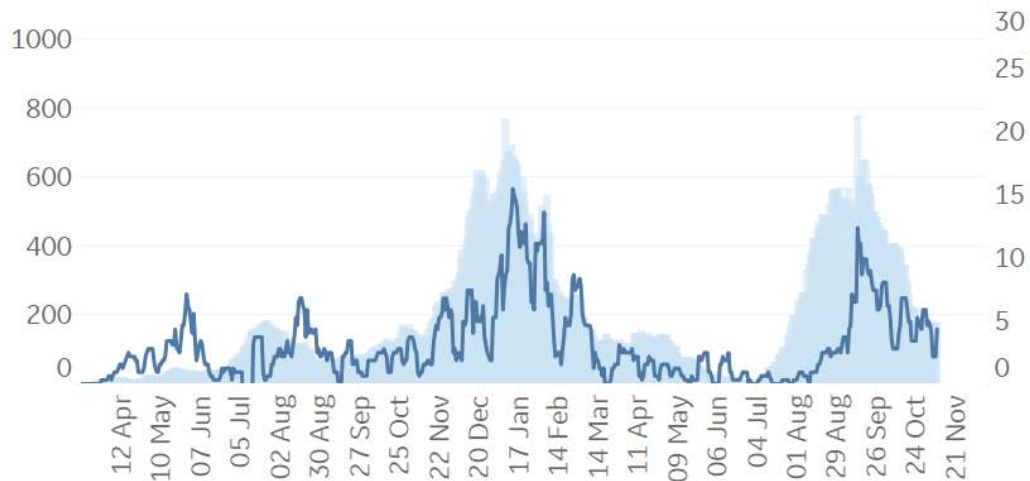
Daily New Deaths / 1M (Lines)
7-day Rolling Avg



Feature: Trends in CC Ecosystem Cities



Asheville, NC



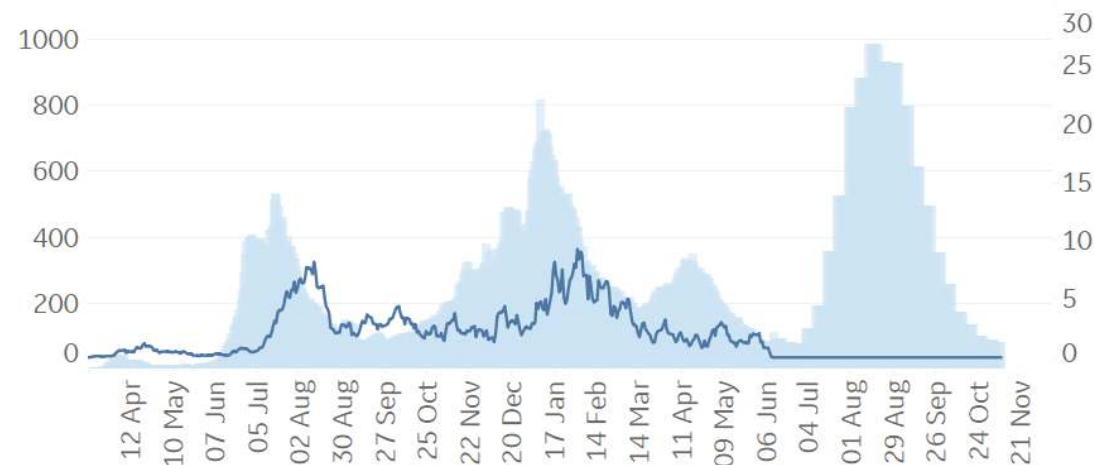
Bradford, UK



Miami, FL



Orlando, FL

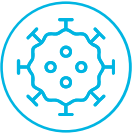


Daily New Confirmed Cases / 1M (Bars)
7-day Rolling Avg

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

*Bradford last updated 4/16

*Miami and Orlando county deaths last updated 6/6



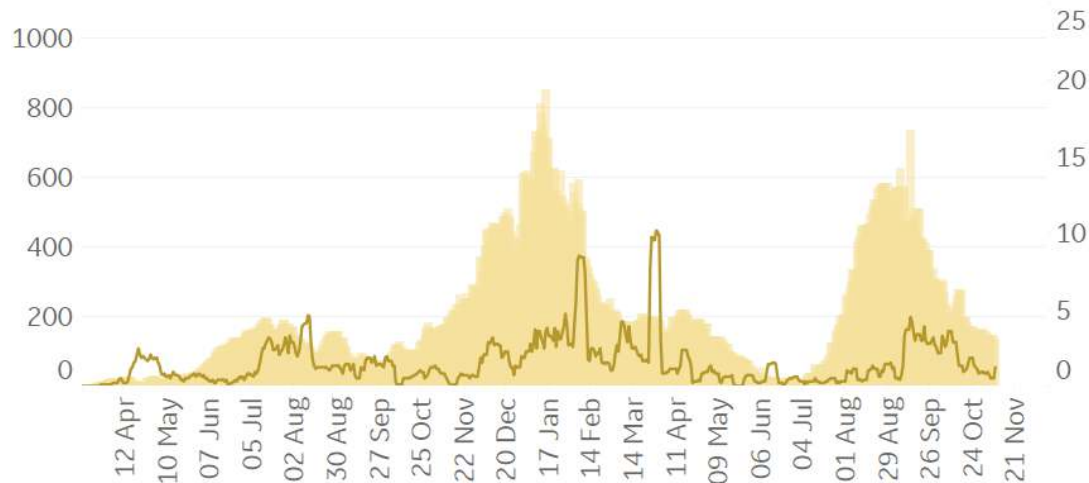
Feature: Trends in CC Ecosystem Cities



Philadelphia, PA



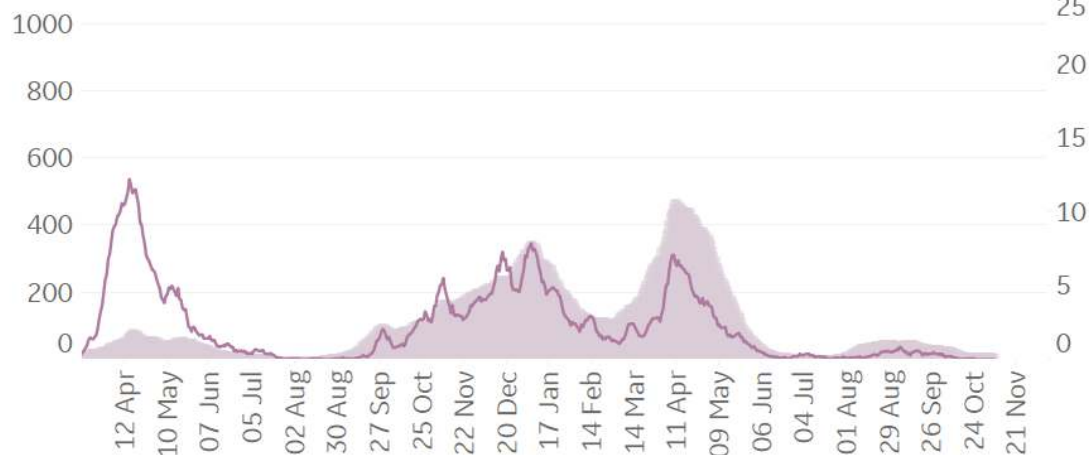
Raleigh, NC



Tampa, FL



Toronto, CA

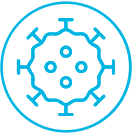


Daily New Confirmed Cases / 1M (Bars)

7-day Rolling Avg

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

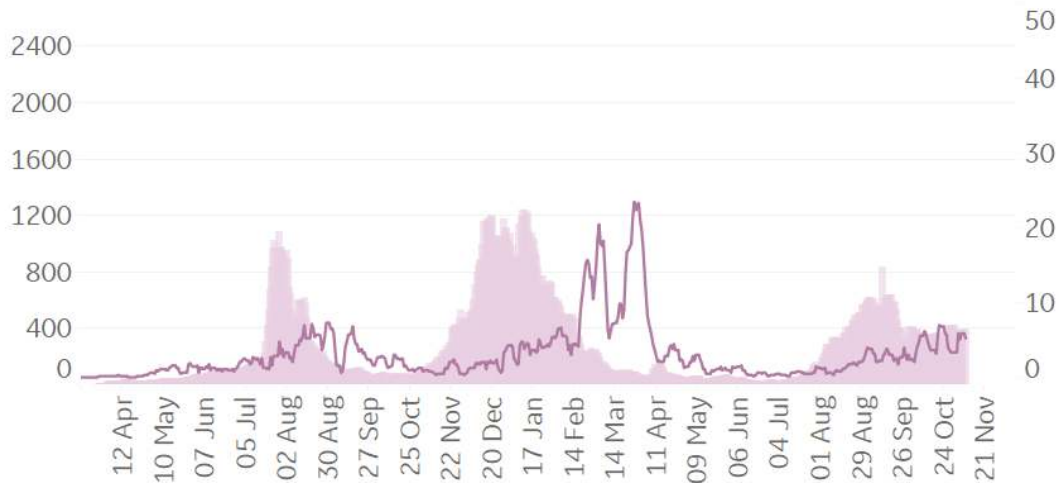
*Tampa county deaths last updated 6/6



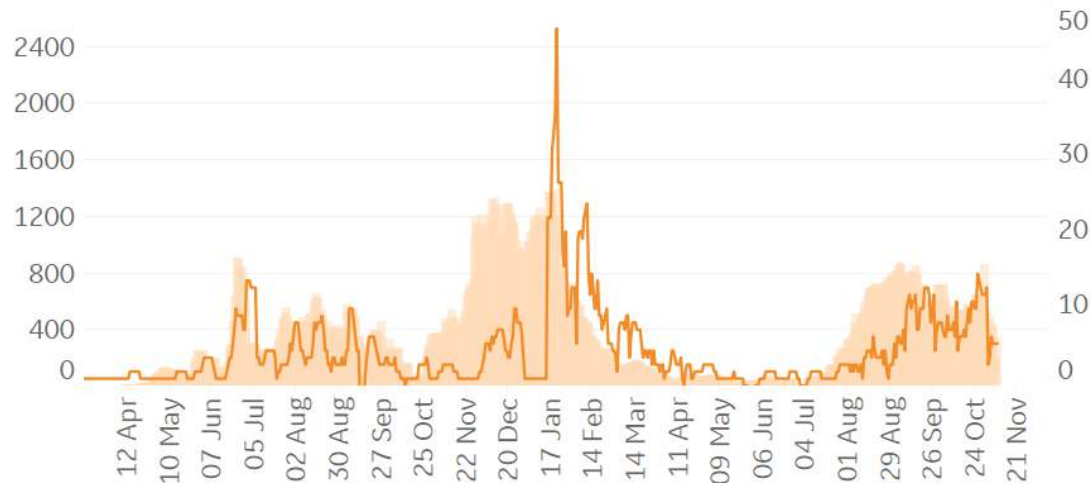
Feature: Trends in CC Ecosystem Cities



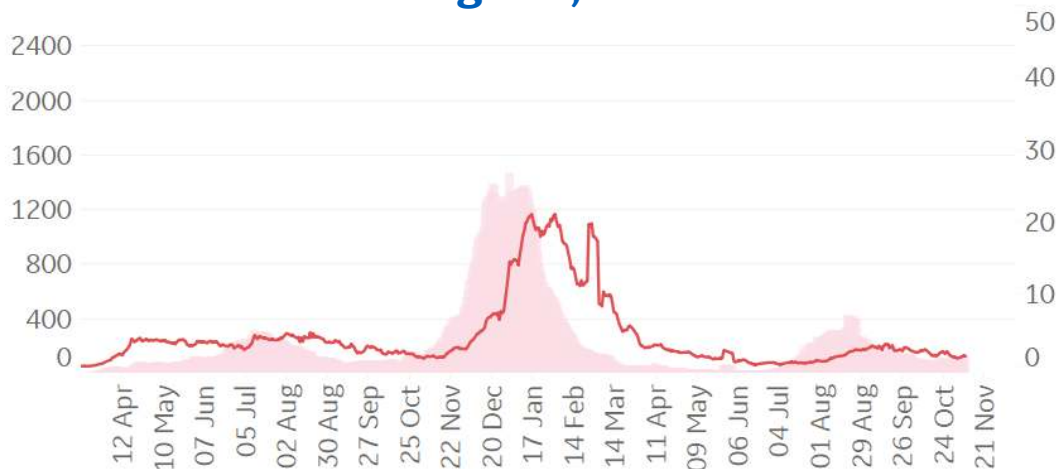
Bakersfield, CA



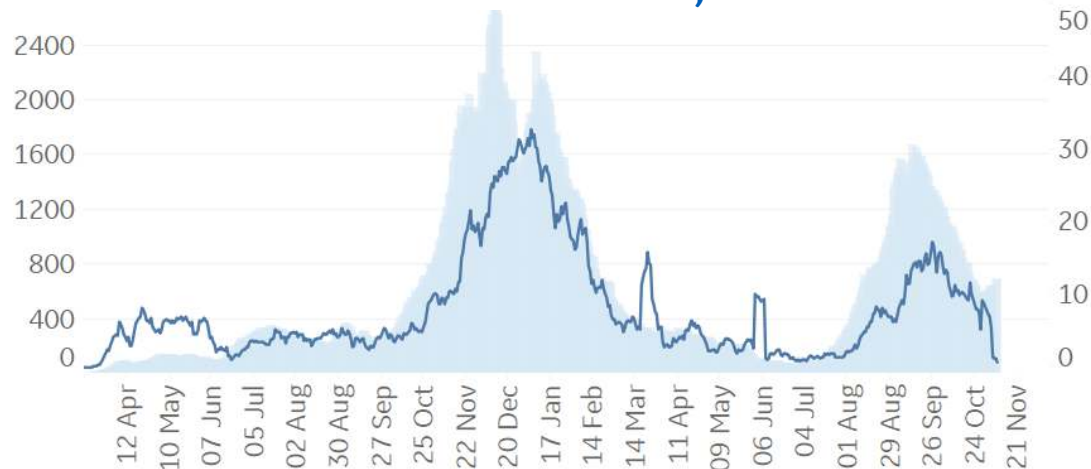
Hanford, CA



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	83,183	+0.3%
Confirmed	264	+0.3%
Deaths	3	+0.2%
Recovered	201	+0.3%

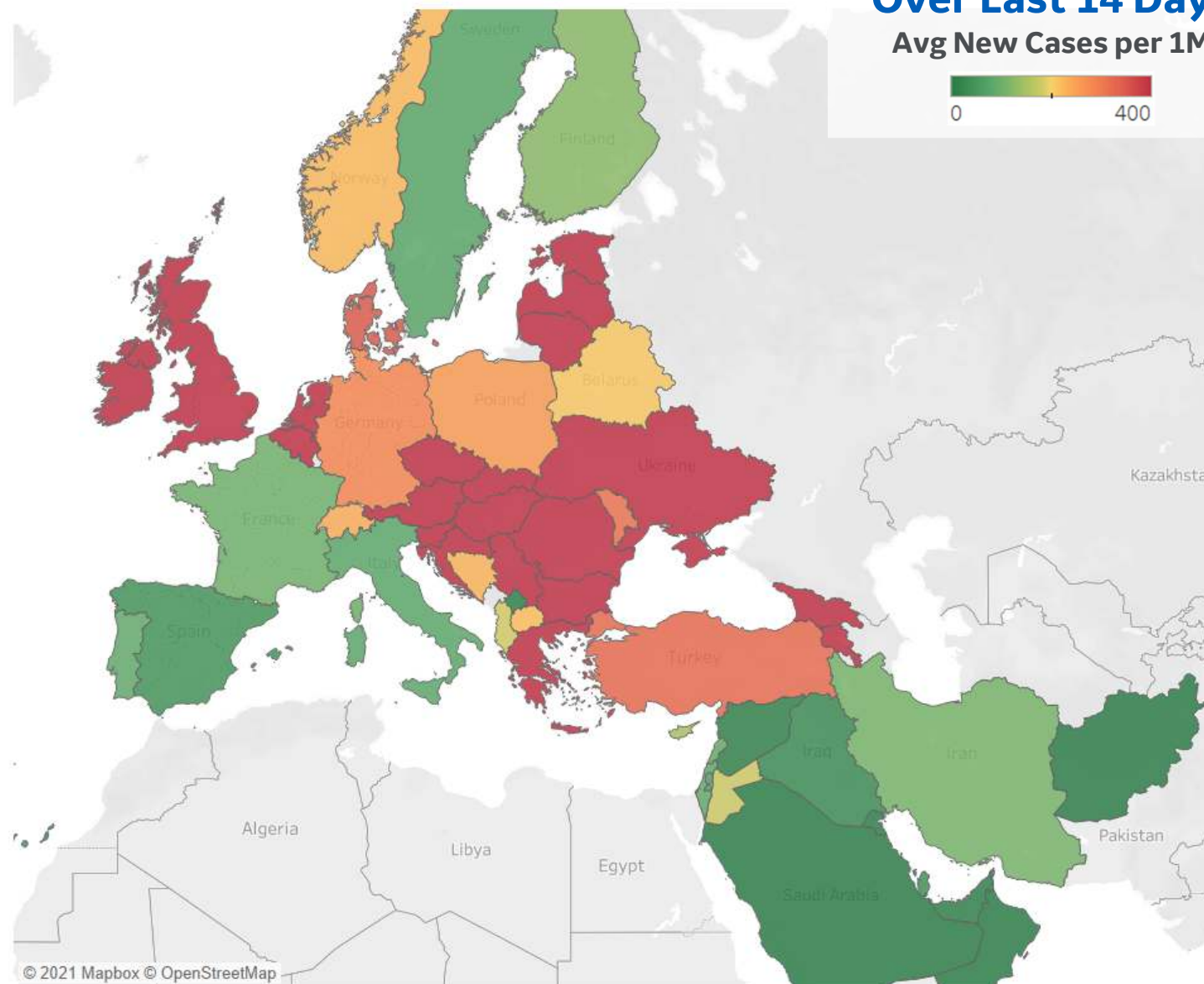
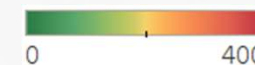
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Slovenia	1,259	5
Estonia	1,215	8
Latvia	1,090	18
Georgia	1,090	13
Lithuania	1,010	12
Croatia	984	8
Slovakia	840	5
Austria	719	2
Belgium	682	2
Serbia	681	7
Bulgaria	645	22
Armenia	595	16
Ireland	591	2
Czechia	586	3
UK	556	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	27,433	+0.0%
Confirmed	0	+0.0%
Deaths	0	+0.0%
Recovered	22	+0.1%

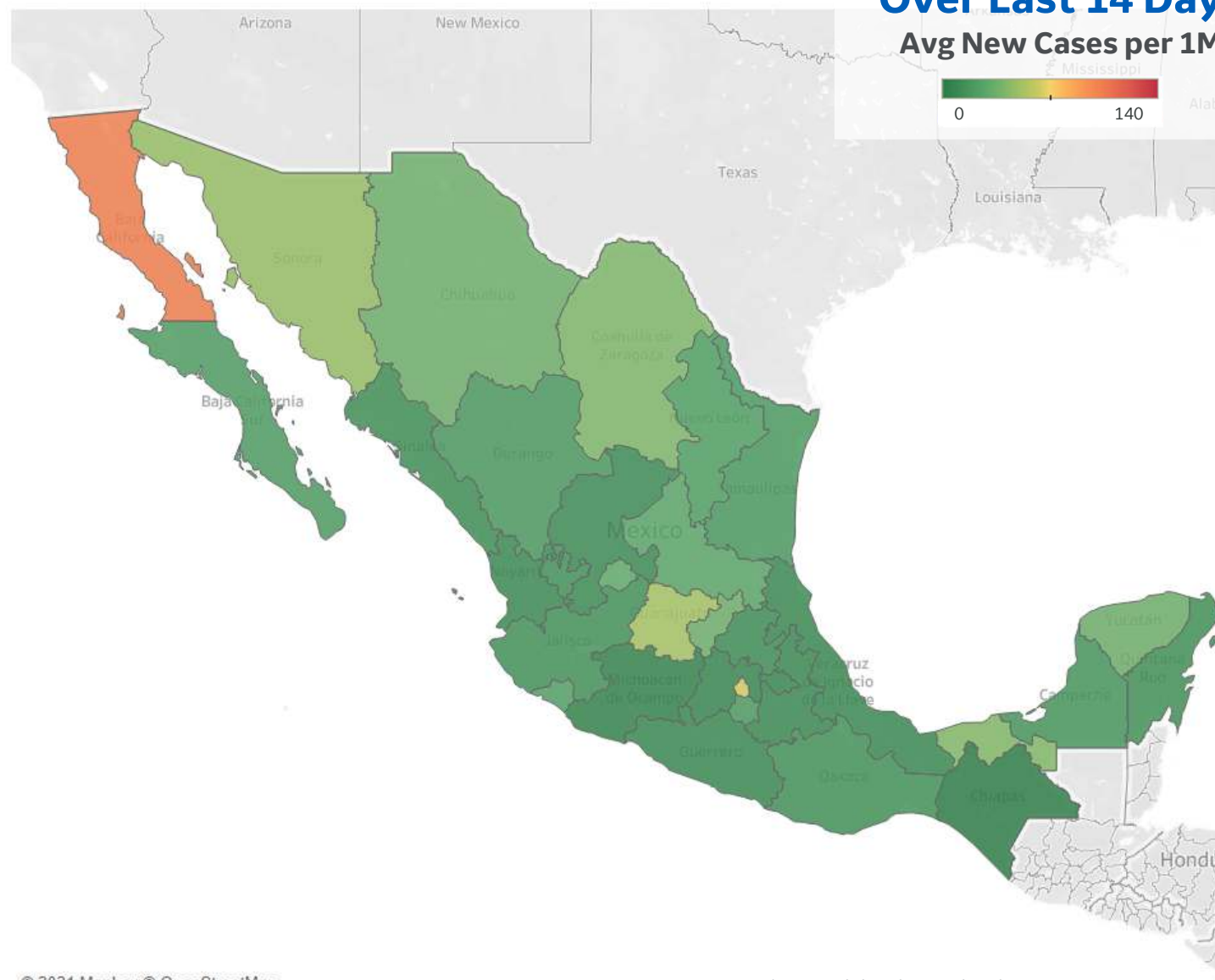
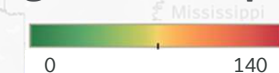
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Baja California	103	4
Distrito Federal	64	3
Guanajuato	51	2
Sonora	47	3
Tabasco	41	3
Coahuila	40	2
Yucatán	35	2
Querétaro	35	2
Chihuahua	35	1
Aguascalientes	29	3
San Luis Potosí	28	2
Nacional	24	2
Colima	24	3
Nuevo León	23	2
Baja California Sur	21	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

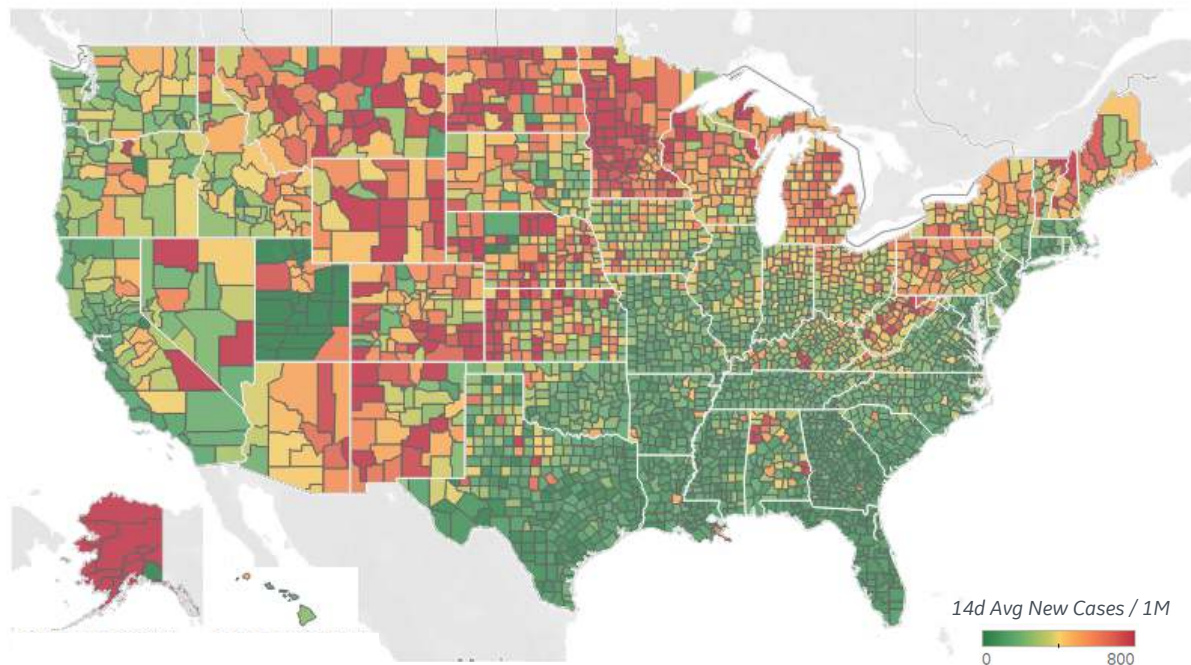




US Counties: Recent Cases and Deaths



Average New Cases per 1M Over Last 14 Days

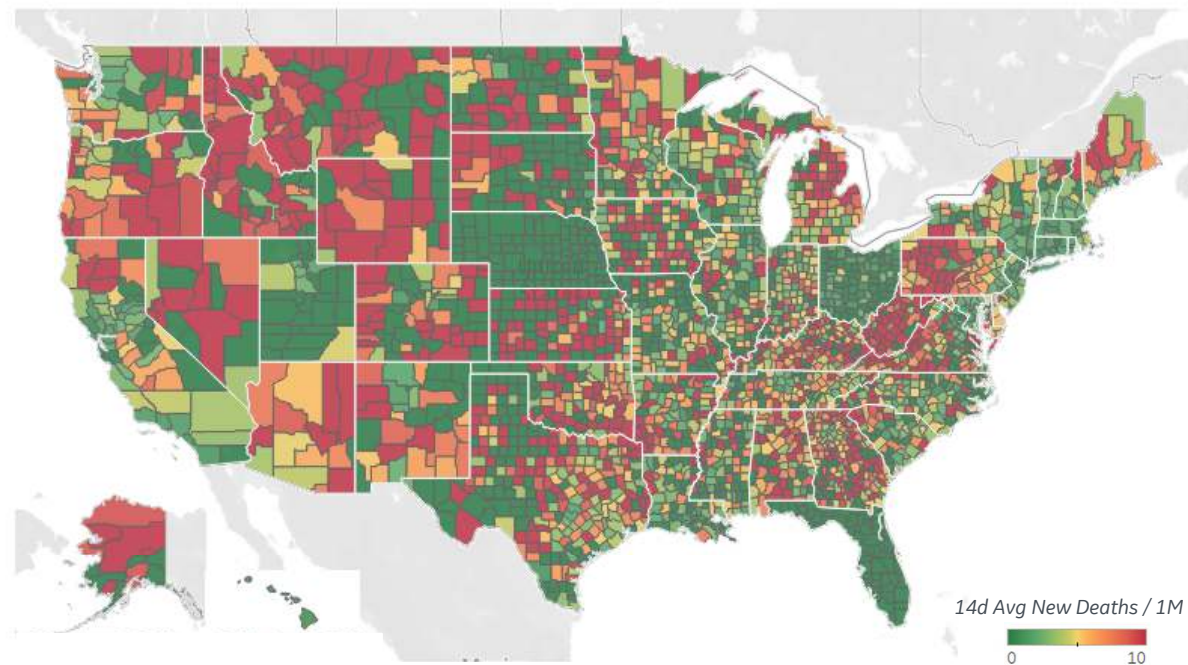


Top 10 by New Confirmed

Avg New Confirmed Cases / 1M

Anchorage Municipality, AK	759
Weld County, CO	634
Anoka County, MN	601
El Paso County, CO	600
Ottawa County, MI	575
Larimer County, CO	557
Davis County, UT	538
Washington County, MN	535
Erie County, PA	530
Dakota County, MN	510

Average New Deaths per 1M Over Last 14 Days



Top 10 by New Deaths

Avg New Deaths/ 1M

Anchorage Municipality, AK	11
Sedgwick County, KS	10
Spartanburg County, SC	9
Clayton County, GA	9
McLennan County, TX	8
Weld County, CO	8
York County, PA	8
El Paso County, CO	7
Luzerne County, PA	7
Westmoreland County, PA	7

*Data last updated 12 October

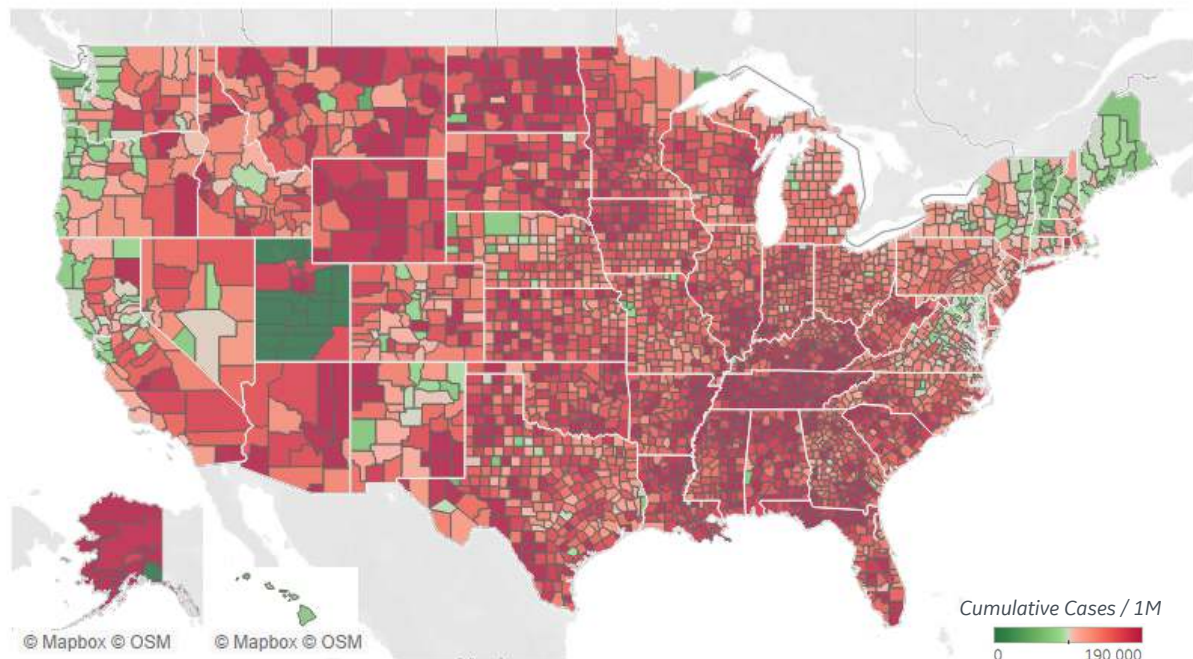
*Nebraska data not available



US Counties: Cumulative Cases and Deaths



Confirmed **Cases** per 1M to date

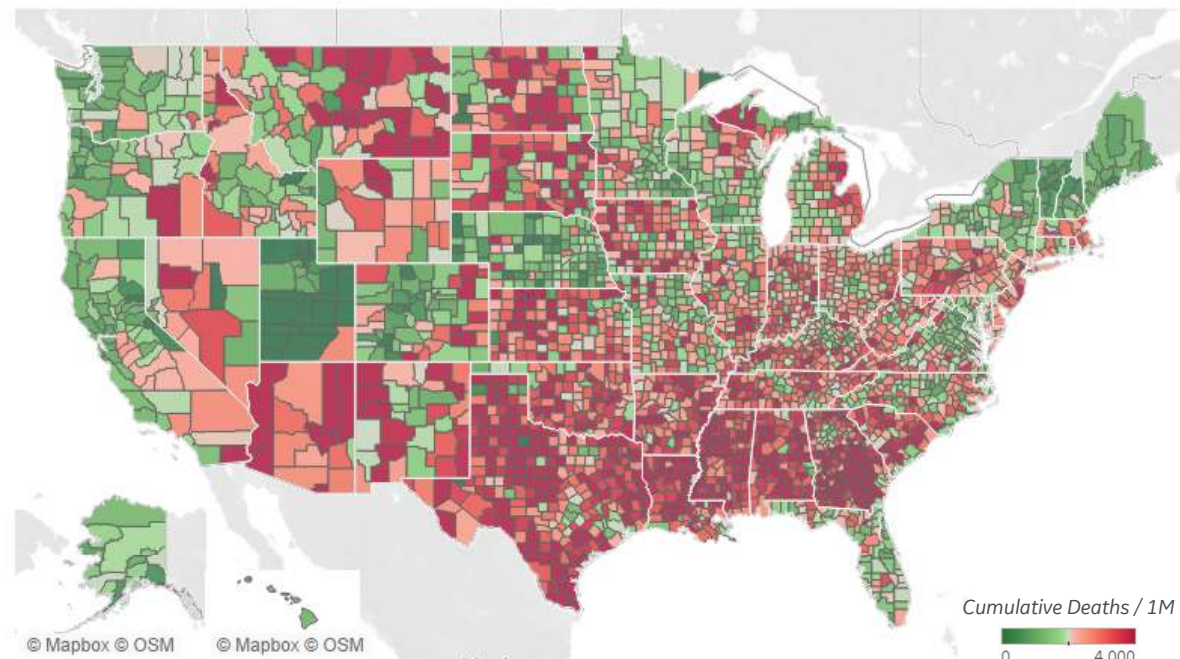


Top 10 Counties

Total Confirmed Cases / 1M

Miami-Dade County, FL	250,579
Lubbock County, TX	212,806
Webb County, TX	205,793
Anchorage Municipality, AK	204,632
Utah County, UT	202,320
Greenville County, SC	202,318
Spartanburg County, SC	194,640
Osceola County, FL	193,258
Galveston County, TX	188,309
Rutherford County, TN	187,442

Reported **Deaths** per 1M to date



Top 10 Counties

Total Reported Deaths/ 1M

New York City*	6,451
Cameron County, TX	4,232
Passaic County, NJ	4,027
Hidalgo County, TX	3,996
Essex County, NJ	3,959
Ocean County, NJ	3,900
Spartanburg County, SC	3,784
Union County, NJ	3,681
Hampden County, MA	3,587
Hudson County, NJ	3,553

*Data last updated 12 October

* New York City counties aggregated into one reporting area



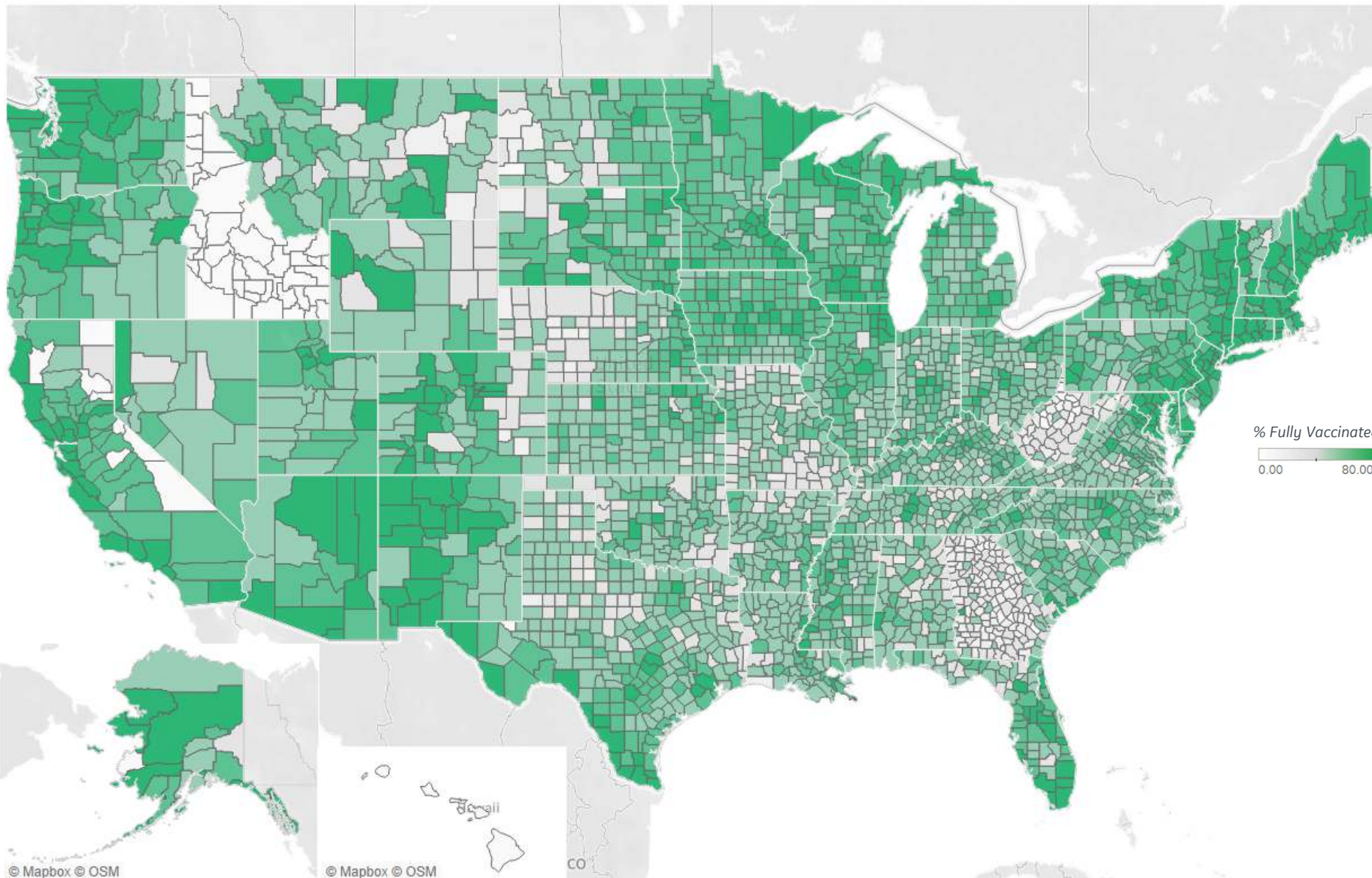
US Counties: Fully Vaccinated (12+) Population



Top 20 Counties

Population Age 12+ Fully Vaccinated

Montgomery County, MD	91
Marin County, CA	89
Howard County, MD	88
Cumberland County, ME	88
Santa Clara County, CA	88
Dane County, WI	85
San Mateo County, CA	84
Fairfield County, CT	84
Contra Costa County, CA	84
Nassau County, NY	83
King County, WA	83
San Francisco County, CA	83
Alameda County, CA	82
Westchester County, NY	82
New London County, CT	81
Multnomah County, OR	81
Middlesex County, MA	81
Morris County, NJ	80
Norfolk County, MA	80
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



Per 1M in Region

	Today	Change
Active Cases	45,416	+0.3%
Confirmed	127	+0.3%
Deaths	1	+0.1%
Recovered	92	+0.2%

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

	Cases	Deaths
Saskatchewan	142	3
Alberta	106	2
British Columbia	100	1
Quebec	62	0
Ontario	29	0
Manitoba	93	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	78,887	+0.04%
Confirmed	33	+0.04%
Deaths	1	+0.04%
Recovered	31	+0.04%

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

	Cases	Deaths
Trinidad and Tobago	197	7
Chile	105	1
Dom. Rep.	81	0
Costa Rica	81	3
Uruguay	64	0
Cuba	60	0
Bolivia	51	0
Brazil	51	1
El Salvador	44	1
Guatemala	43	3
Colombia	34	1
Venezuela	33	0
Jamaica	32	3
Panama	31	0
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	100,097	+0.0%
Confirmed	27	+0.0%
Deaths	1	+0.0%
Recovered	27	+0.0%

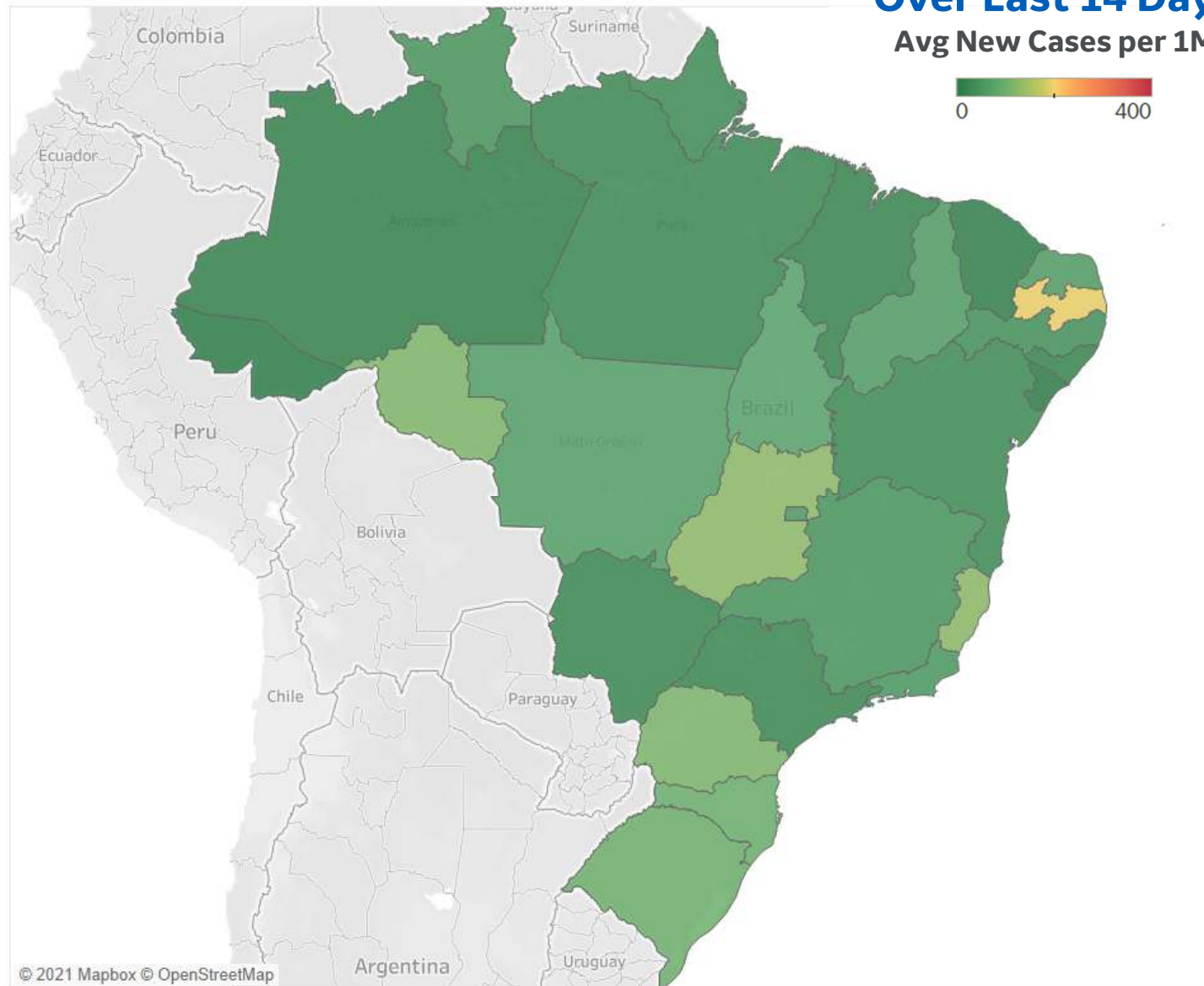
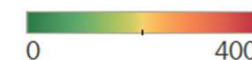
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Paraíba	196	1
Goiás	125	2
Espírito Santo	125	3
Rondônia	113	1
Paraná	111	2
Rio Grande do Sul	96	2
Santa Catarina	94	2
Tocantins	72	1
MatoGrosso	66	1
Rio Grande do Norte	62	1
Piauí	61	1
Distrito Federal	53	3
Rio de Janeiro	51	2
Minas Gerais	46	1
Pernambuco	39	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	14,761	+0.1%
Confirmed	19	+0.1%
Deaths	0.5	+0.2%
Recovered	19	+0.1%

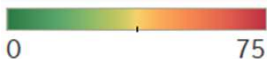
Average Daily New Cases & Deaths per 1M Over Last 14 Days

	Cases	Deaths
Singapore	549	2
Mongolia	339	3
Russia	264	8
Azerbaijan	217	3
Malaysia	164	2
Thailand	119	1
Laos	114	0
Kazakhstan	80	1
Vietnam	62	1
South Korea	40	0
Papua New Guinea	31	1
Sri Lanka	31	1
Philippines	29	2
Myanmar	17	0
Kyrgyzstan	14	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

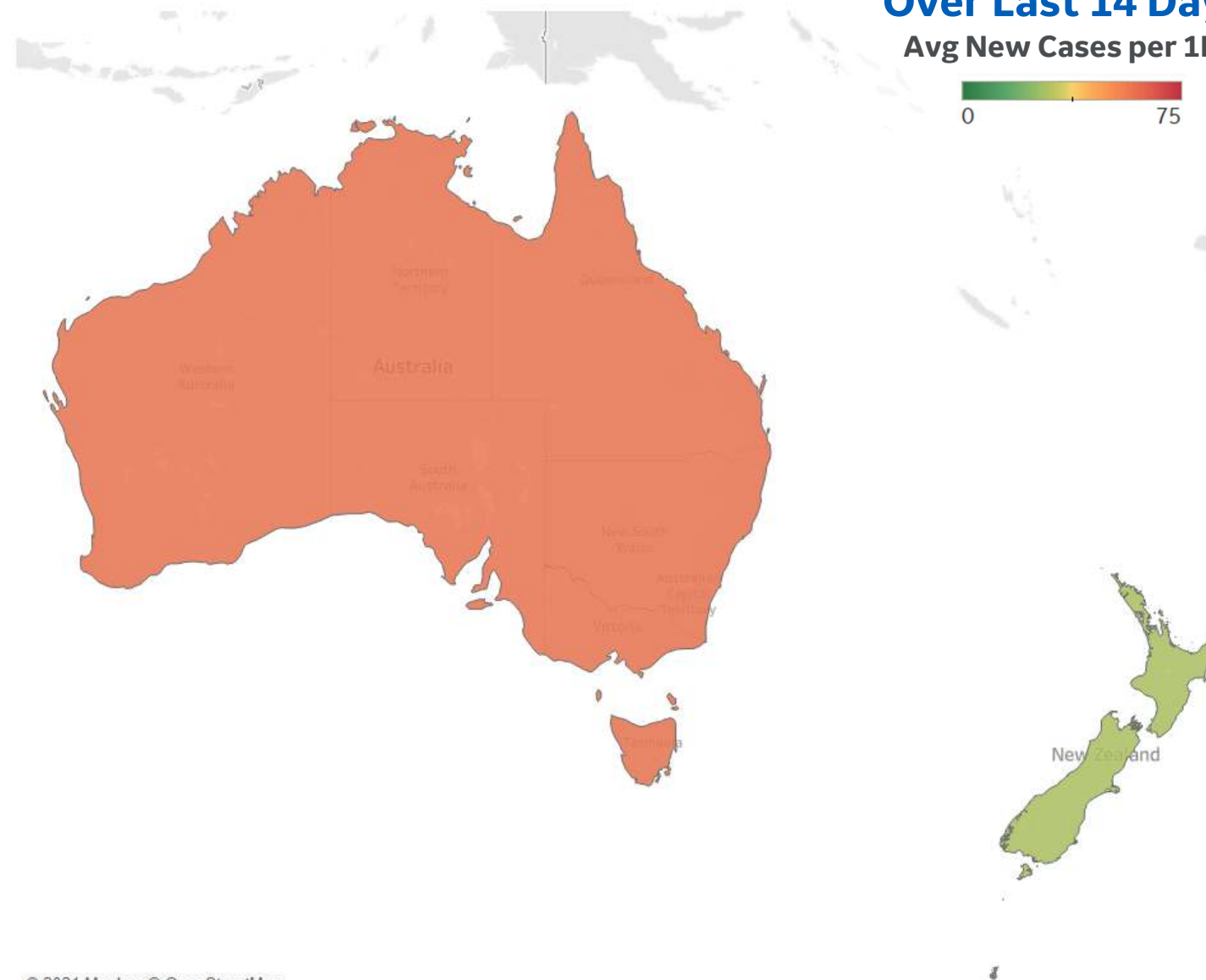
	Today	Change
Active Cases	7,700	+0.6%
Confirmed	47	+0.6%
Deaths	0.5	+0.6%
Recovered	61	+0.9%

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

	Cases	Deaths
Australia	58	1
New Zealand	29	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



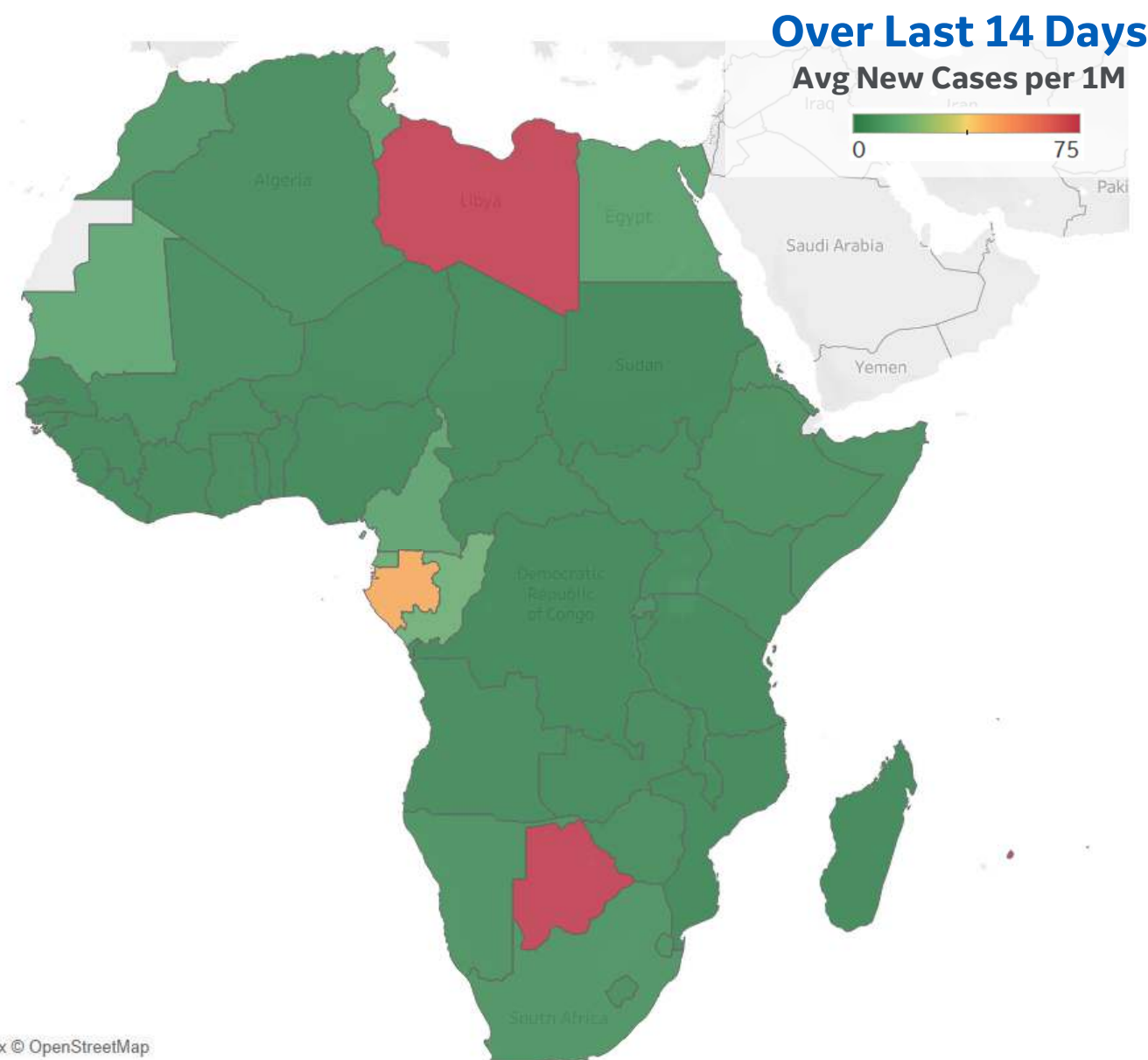
Per 1M in Region

	Today	Change
Active Cases	6,219	+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	227	0
Mauritius	78	3
Libya	78	2
Gabon	45	1
Congo (Brazzaville)	17	1
Eq. Guinea	15	0
Mauritania	12	0
Cameroon	11	0
Tunisia	9	1
Egypt	9	1
Morocco	6	0
South Africa	5	1
Namibia	5	0
Eswatini	4	0
Eritrea	3	0

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





** 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/>