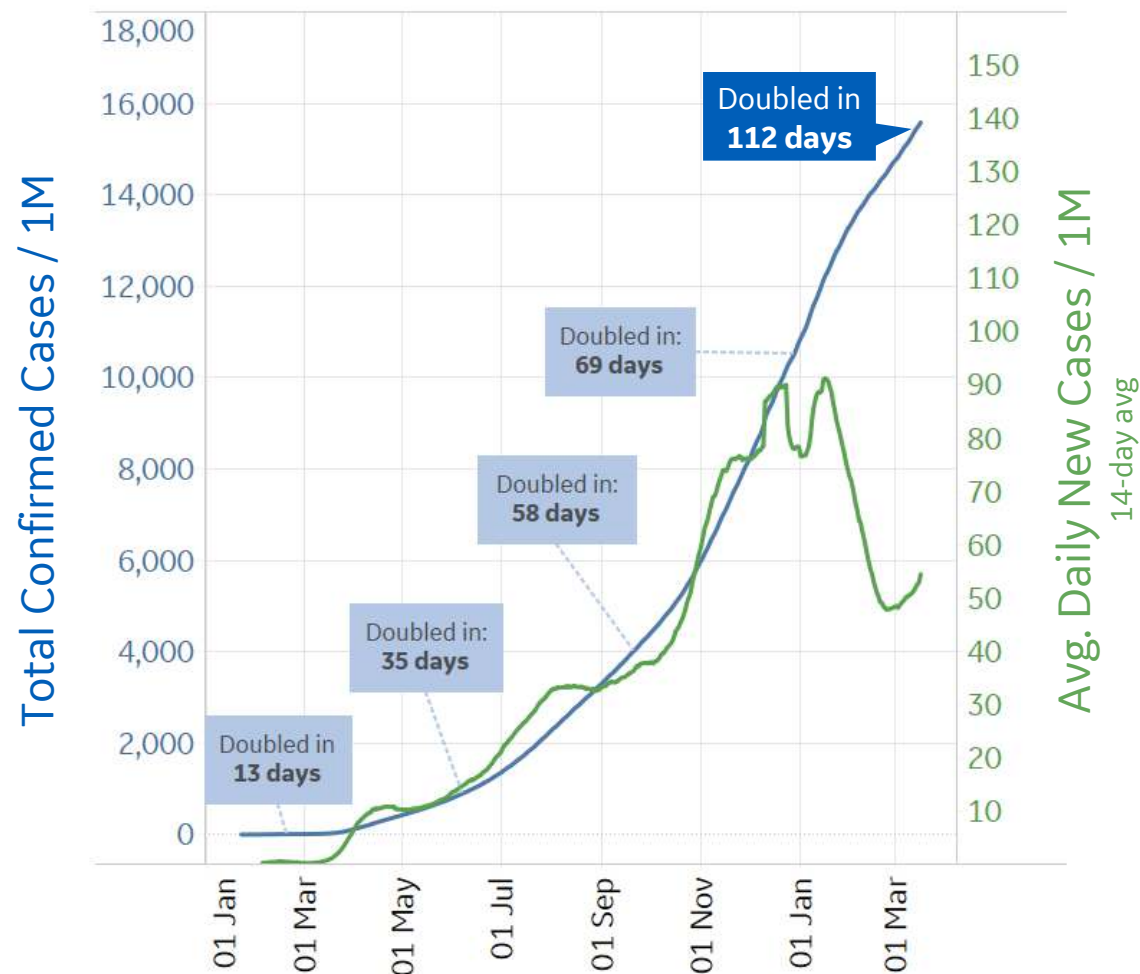




# Global Confirmed & Active Cases

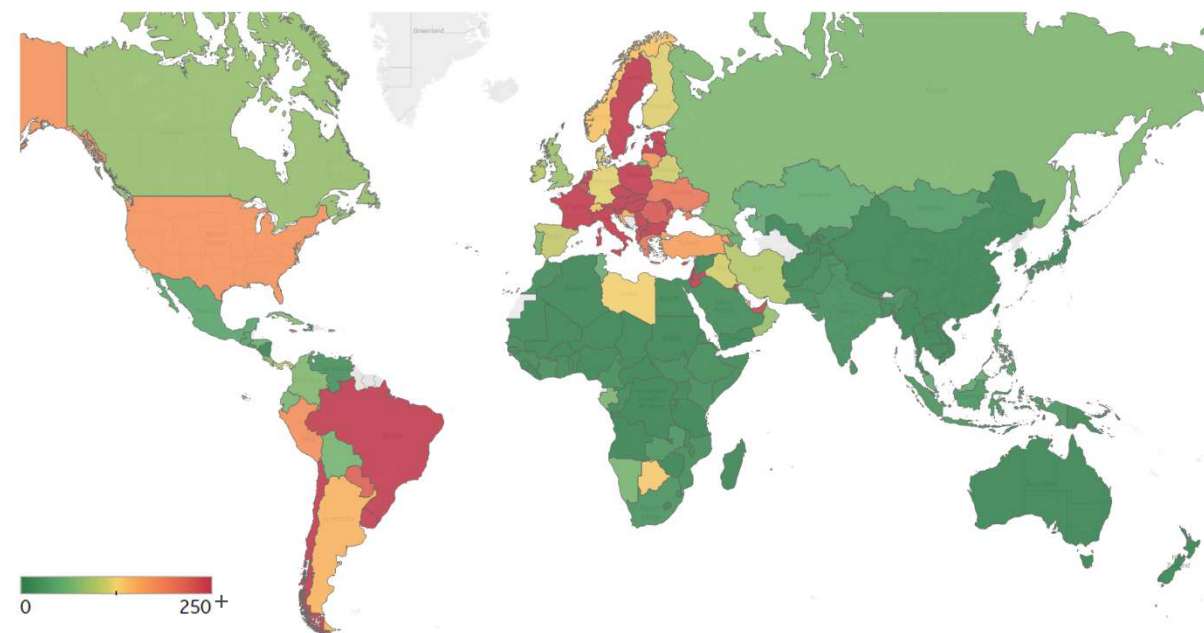


## Trend since 22 Jan 2020



## Avg. Daily New Cases / 1M

Over the last 14 days



Per 1M:	New Today	Change from 30 days ago
Active	26	+9%
Confirmed	62	+11%
Deaths	1	+11%
Recovered	34	+12%
	<b>To Date</b>	<b>Last 30 Days</b>
Worldwide Survival Rate	97.8%	97.7%



# New Confirmed Cases & New Deaths

Updated 18 Mar 2021, 3:30 GMT

2

Key

World

North America

Europe

Middle East

Cent & South America

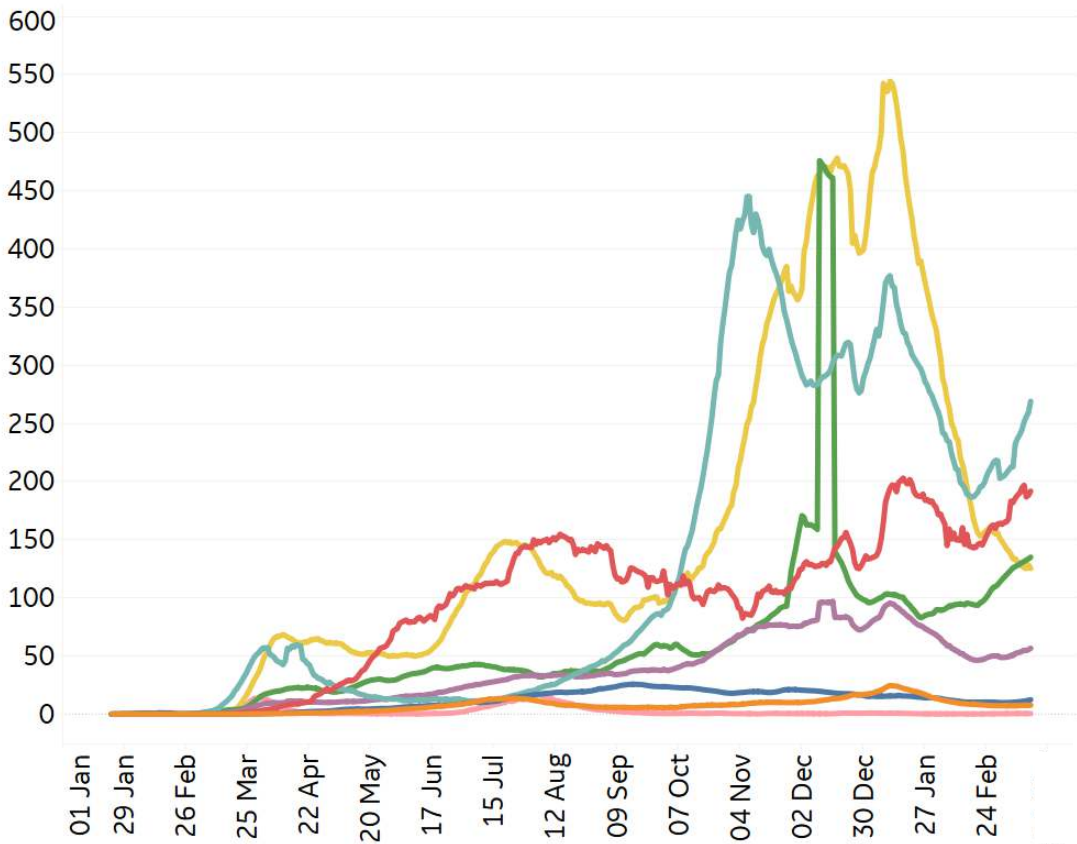
Asia

Africa

Oceania

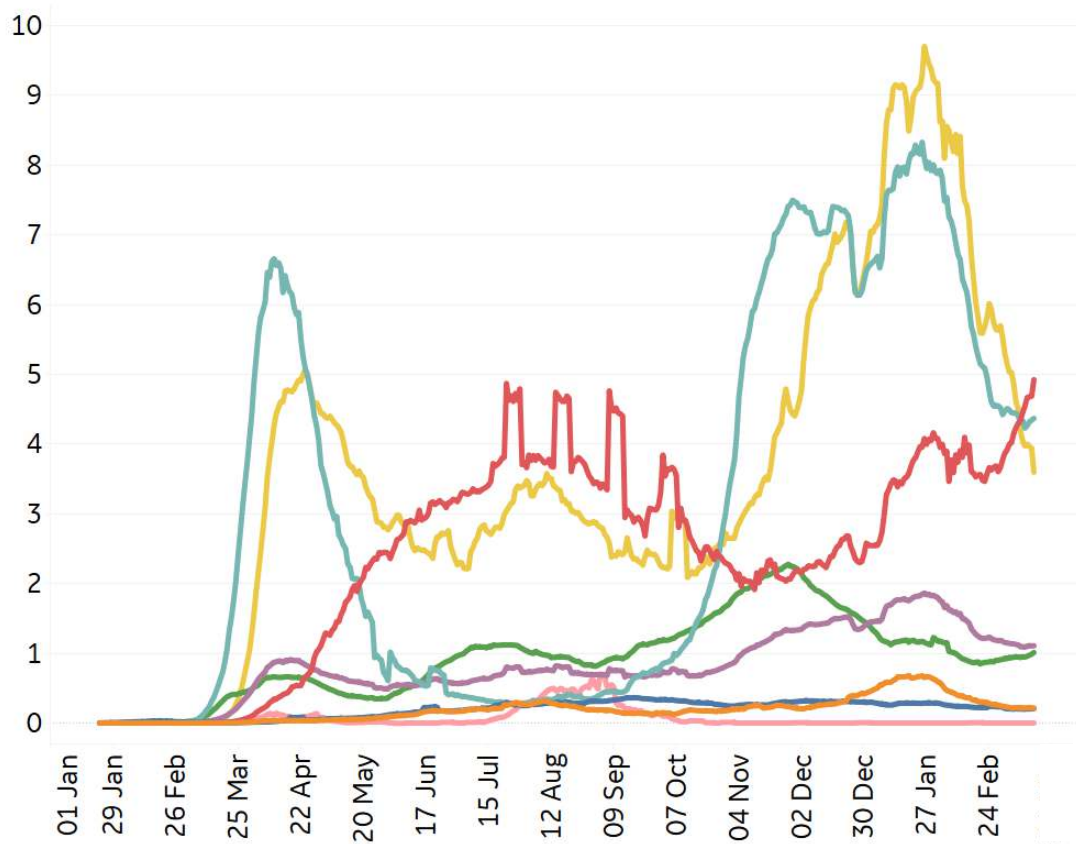
## New Confirmed Cases / 1M

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*



# Top 50 Countries: Per 1M



## 1 - 25

	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago in 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Czechia	1,029	20	131,942	114,725	2,209	5%	30%
Belgium	269	3	70,151	64,866	1,948	17%	10%
Slovenia	349	3	96,923	90,005	1,896	-1%	-40%
UK	85	2	63,079	60,024	1,855	-37%	-53%
Hungary	797	16	54,773	43,318	1,783	103%	51%
Bos. and Herz.	344	13	44,634	38,847	1,718	100%	134%
Italy	373	6	53,898	47,177	1,704	41%	14%
Bulgaria	427	14	41,386	34,605	1,666	78%	73%
Portugal	50	2	79,918	77,372	1,638	-46%	-63%
US	165	4	89,271	85,272	1,622	-16%	-28%
North Macedo..	383	9	54,685	48,182	1,615	62%	44%
Slovakia	354	17	62,191	55,376	1,588	-9%	-3%
Spain	107	3	68,443	65,397	1,552	106%	-28%
Peru	169	4	43,036	39,098	1,491	-19%	-24%
France	384	4	63,861	57,480	1,399	10%	-10%
Panama	93	2	80,788	77,874	1,393	-25%	-36%
Croatia	166	3	61,352	57,916	1,388	54%	-22%
Brazil	323	9	54,590	48,762	1,327	32%	51%
Sweden	415	2	71,816	64,949	1,304	10%	-27%
EU	303	5	54,675	49,415	1,304	29%	-4%
Poland	456	7	51,046	44,182	1,257	72%	20%
Lithuania	178	4	75,778	72,148	1,255	-24%	-9%
Colombia	76	2	45,391	43,202	1,206	-12%	-31%
Argentina	152	2	48,901	45,682	1,196	7%	5%
Switzerland	146	1	66,468	63,374	1,172	16%	-24%

## 26 - 50

	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago in 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Chile	274	5	47,121	42,410	1,140	35%	6%
Romania	247	5	45,161	40,875	1,128	44%	21%
Armenia	197	2	60,504	57,093	1,106	123%	54%
Moldova	373	9	51,317	45,475	1,091	17%	23%
Austria	293	3	55,282	50,391	991	32%	-7%
Netherlands	334	2	69,074	63,911	948	16%	-34%
Latvia	273	5	50,155	45,237	942	-20%	-9%
Kosovo	357	5	42,454	37,155	934	49%	57%
Ireland	107	3	46,106	43,760	922	-26%	-38%
Georgia	91	2	69,108	67,112	917	-12%	-19%
Lebanon	452	7	62,037	54,877	802	19%	-6%
Albania	213	5	41,175	37,093	722	-32%	-4%
Israel	238	2	95,049	90,020	699	-26%	-26%
Ukraine	222	5	34,907	31,444	691	46%	45%
Costa Rica	73	1	41,312	39,777	567	-3%	-20%
Estonia	1,083	8	65,998	50,508	557	39%	38%
Serbia	523	3	60,214	52,889	547	38%	42%
Jordan	745	6	48,552	38,889	539	86%	180%
West Bank an..	419	5	46,791	40,488	506	49%	107%
Denmark	149	0	38,420	36,345	414	37%	-53%
Bahrain	384	1	77,792	72,312	286	-4%	-21%
Kuwait	305	2	49,682	45,002	278	35%	21%
UAE	211	1	43,508	39,975	142	-19%	-28%
Qatar	165	0	59,427	57,039	93	2%	200%
Total World	57	1	15,581	14,474	345	13%	-7%

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

In the past 14 days, confirmed cases in the **EU** increased 8% (+4,243 cases per 1M)

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



# Top 50 Countries: Raw Volume

Updated 18 Mar 2021, 3:30 GMT

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## 1 - 25

	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago in 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
EU	135,083	2,130	24,344,002	22,002,053	580,686	29%	-4%
US	54,745	1,285	29,549,003	28,225,412	536,914	-16%	-28%
Brazil	68,729	1,965	11,603,535	10,364,799	282,127	32%	51%
Mexico	4,446	476	2,169,007	1,902,075	195,119	-22%	-29%
India	25,147	140	11,438,734	10,980,472	159,044	48%	18%
UK	5,764	128	4,282,203	4,074,773	125,927	-37%	-53%
Italy	22,525	360	3,258,770	2,852,433	103,001	41%	14%
Russia	9,469	440	4,360,033	4,128,896	91,395	-16%	2%
France	25,094	267	4,168,411	3,751,917	91,324	10%	-10%
Germany	11,778	203	2,603,064	2,388,109	73,952	29%	-41%
Spain	5,006	120	3,200,024	3,057,619	72,565	106%	-28%
Iran	8,108	80	1,763,313	1,586,747	61,427	1%	1%
Colombia	3,890	99	2,309,600	2,198,231	61,368	-12%	-31%
Argentina	6,874	112	2,210,121	2,064,640	54,036	7%	5%
South Africa	1,181	93	1,530,966	1,463,255	51,560	-22%	-34%
Peru	5,564	145	1,418,974	1,289,120	49,177	-19%	-24%
Poland	17,269	283	1,931,921	1,672,130	47,578	72%	20%
Indonesia	5,359	142	1,430,458	1,308,273	38,753	-26%	-24%
Ukraine	9,687	220	1,526,595	1,375,155	30,239	46%	45%
Turkey	14,894	66	2,911,642	2,693,693	29,623	55%	-13%
Czechia	11,021	216	1,412,962	1,228,585	23,657	5%	30%
Belgium	3,122	35	813,026	751,772	22,572	17%	10%
Canada	3,155	30	921,263	855,542	22,509	4%	-28%
Chile	5,245	87	900,782	810,723	21,789	35%	6%
Romania	4,750	92	868,799	786,342	21,698	44%	21%

## 26 - 50

	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago in 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Hungary	7,702	154	529,122	418,463	17,226	103%	51%
Portugal	513	16	814,897	788,940	16,707	-46%	-63%
Ecuador	1,106	27	302,854	270,466	16,259	-14%	-11%
Netherlands	5,727	29	1,183,567	1,095,113	16,251	16%	-34%
Iraq	4,675	30	768,352	689,951	13,827	20%	39%
Pakistan	2,439	47	612,315	570,260	13,656	58%	11%
Sweden	4,188	19	725,289	655,941	13,172	10%	-27%
Philippines	4,413	46	631,320	567,594	12,848	80%	-43%
Bulgaria	2,966	97	287,568	240,450	11,579	78%	73%
Switzerland	1,263	12	575,253	548,475	10,147	16%	-24%
Austria	2,643	24	497,889	453,844	8,925	32%	-7%
Morocco	398	6	489,622	475,422	8,737	7%	-35%
Japan	1,141	46	449,142	425,018	8,682	1%	-22%
Slovakia	1,935	90	339,538	302,333	8,669	-9%	-3%
Bangladesh	1,257	15	560,887	538,719	8,597	131%	39%
Saudi Arabia	362	6	383,106	371,424	6,578	10%	14%
Israel	2,063	16	822,703	779,170	6,048	-26%	-26%
Panama	403	9	348,580	336,010	6,009	-25%	-36%
Jordan	7,597	64	495,380	396,785	5,497	86%	180%
Lebanon	3,087	49	423,433	374,562	5,474	19%	-6%
Serbia	4,572	26	526,112	462,107	4,778	38%	42%
Belarus	947	8	304,146	287,024	2,112	-18%	-6%
UAE	2,087	9	430,313	395,365	1,406	-19%	-28%
Malaysia	1,395	5	326,034	302,917	1,218	-37%	-51%
Total World	438,498	8,578	120,697,035	112,123,737	2,670,453	13%	-7%

\*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

In the past 30 days, daily new confirmed cases in **Iraq** increased 58%

Top 50 countries selected by Total Cases  
Sorted by Raw Total Deaths  
Excluded countries with population < 1M

N/A\*\* due to inconsistent reporting of Recovered Cases





# United States: Per 1M



## 1 - 25

	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago in 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
New Jersey	408	5	95,066	86,895	2,698	9%	-22%
New York	354	5	90,225	82,636	2,524	-5%	-23%
Rhode Island	333	4	124,367	117,303	2,438	3%	12%
Massachusetts	229	5	87,728	82,141	2,421	-2%	-18%
Mississippi	156	5	101,221	96,892	2,328	-10%	-8%
Arizona	119	5	114,564	110,197	2,277	-20%	-52%
Connecticut	233	2	82,449	77,225	2,187	-12%	-33%
South Dakota	168	2	129,757	125,178	2,161	4%	-45%
Louisiana	112	5	94,338	90,636	2,135	-33%	-14%
Alabama	236	4	103,752	98,728	2,108	20%	-53%
North Dakota	119	2	132,732	129,213	1,954	1%	-25%
Pennsylvania	197	3	76,033	71,367	1,926	-4%	-38%
Indiana	111	2	100,045	96,532	1,913	-12%	-35%
New Mexico	97	2	89,976	86,646	1,841	-30%	-37%
Illinois	125	2	95,646	92,022	1,834	-7%	-28%
Arkansas	98	6	108,508	105,194	1,820	-52%	824%
Iowa	134	4	108,984	105,184	1,793	-12%	-32%
S. Carolina	209	3	103,884	99,043	1,725	-43%	-41%
Georgia	132	4	97,623	93,574	1,722	-41%	-38%
Tennessee	186	1	116,286	111,974	1,706	6%	-56%
Michigan	238	2	67,738	63,308	1,683	57%	-34%
Nevada	139	4	97,338	93,876	1,667	5%	-28%
Kansas	80	1	103,127	100,182	1,645	-44%	-72%
Texas	163	5	94,419	90,407	1,609	-25%	-12%
Delaware	304	5	93,196	87,987	1,555	-7%	42%

## 26 - 51

	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago in 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Ohio	130	1	84,884	81,494	1,539	-21%	-43%
Florida	211	4	92,395	87,796	1,511	-18%	-34%
DC	166	1	60,546	56,288	1,476	20%	-38%
California	73	8	91,824	89,116	1,437	-36%	-24%
West Virginia	172	18	75,897	72,337	1,421	-6%	188%
Missouri	85	2	93,211	90,501	1,417	-29%	-23%
Maryland	143	2	65,289	62,043	1,336	5%	-40%
Montana	167	1	95,758	92,406	1,306	-12%	-41%
Wisconsin	96	1	107,578	104,960	1,234	-19%	-50%
Oklahoma	121	3	109,375	106,195	1,210	-24%	-46%
Minnesota	173	1	88,468	84,906	1,209	20%	135%
Wyoming	94	0	95,639	93,016	1,197	-30%	-45%
Virginia	151	5	69,960	66,599	1,184	-26%	-39%
Kentucky	176	6	93,429	89,794	1,126	-27%	1%
N. Carolina	155	2	84,602	81,205	1,118	-36%	-40%
Nebraska	135	1	106,029	102,987	1,100	-4%	-45%
Idaho	177	3	98,489	95,076	1,079	7%	-11%
Colorado	166	1	77,224	73,726	1,050	-10%	-32%
New Hampshire	191	2	58,152	54,865	884	-23%	-6%
Washington	88	1	46,108	44,162	676	-17%	-42%
Utah	152	2	118,243	115,394	634	-26%	-45%
Oregon	69	1	37,947	36,439	556	-22%	39%
Maine	141	0	35,259	32,896	539	13%	-58%
Alaska	191	0	82,963	79,962	418	0%	-73%
Vermont	174	1	27,319	24,290	345	15%	-40%
Hawaii	46	1	20,230	19,329	318	16%	-8%

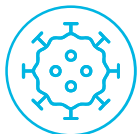
\*Change from 14d ago:  
Compares 14d-avgs. of Daily New Cases/Deaths today with 14d-avgs. from 14d ago

Estimated Recovered: Cases 14d ago - Deaths today

In the past 30 days, **Illinois** saw a 20% decrease in daily new cases

Sorted by Total Deaths / 1M

N/As due to states revising and updating case counts



# United States: Raw Volume



## 1 - 25

	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago in 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
California	2,897	310	3,628,171	3,521,170	56,796	-36%	-24%
New York	6,896	90	1,755,193	1,607,574	49,110	-5%	-23%
Texas	4,722	153	2,737,763	2,621,440	46,651	-25%	-12%
Florida	4,527	80	1,984,425	1,885,651	32,449	-18%	-34%
Pennsylvania	2,518	39	973,370	913,636	24,660	-4%	-38%
New Jersey	3,622	47	844,398	771,819	23,966	9%	-22%
Illinois	1,582	28	1,212,014	1,166,090	23,236	-7%	-28%
Georgia	1,402	44	1,036,506	993,520	18,287	-41%	-38%
Ohio	1,515	17	992,223	952,592	17,991	-21%	-43%
Michigan	2,372	16	676,494	632,252	16,805	57%	-34%
Massachusetts	1,580	33	604,666	566,156	16,688	-2%	-18%
Arizona	868	35	833,878	802,096	16,574	-20%	-52%
Indiana	746	16	673,528	649,874	12,876	-12%	-35%
N. Carolina	1,630	24	887,311	851,687	11,722	-36%	-40%
Tennessee	1,271	9	794,137	764,687	11,650	6%	-56%
Alabama	1,157	22	508,717	484,084	10,337	20%	-53%
Virginia	1,287	45	597,141	568,455	10,104	-26%	-39%
Louisiana	519	22	438,557	421,346	9,925	-33%	-14%
S. Carolina	1,074	17	534,869	509,942	8,881	-43%	-41%
Missouri	524	10	572,074	555,445	8,694	-29%	-23%
Maryland	864	13	394,716	375,090	8,080	5%	-40%
Connecticut	830	9	293,955	275,329	7,799	-12%	-33%
Wisconsin	560	7	626,364	611,125	7,182	-19%	-50%
Mississippi	463	14	301,250	288,366	6,929	-10%	-8%
Minnesota	974	8	498,926	478,838	6,817	20%	135%

## 26 - 51

	Average over last 7 days		Total Since 22 Jan			Change from 14d Ago in 14 day avg of daily new	
	New Confirmed	New Deaths	Total Confirmed	Estimated Recovered	Total Deaths	Confirmed	Deaths
Colorado	955	7	444,712	424,567	6,048	-10%	-32%
Iowa	423	12	343,851	331,863	5,657	-12%	-32%
Arkansas	296	19	327,456	317,456	5,493	-52%	824%
Washington	672	10	351,109	336,292	5,149	-17%	-42%
Nevada	428	12	299,817	289,154	5,135	5%	-28%
Kentucky	785	26	417,412	401,172	5,029	-27%	1%
Kansas	234	3	300,441	291,863	4,791	-44%	-72%
Oklahoma	480	12	432,793	420,211	4,788	-24%	-46%
New Mexico	204	4	188,664	181,682	3,860	-30%	-37%
Rhode Island	353	4	131,750	124,266	2,583	3%	12%
West Virginia	309	31	136,019	129,638	2,546	-6%	188%
Oregon	292	6	160,051	153,691	2,346	-22%	39%
Nebraska	261	3	205,103	199,218	2,128	-4%	-45%
Utah	487	6	379,081	369,947	2,032	-26%	-45%
Idaho	317	5	176,007	169,907	1,929	7%	-11%
South Dakota	148	2	114,791	110,740	1,912	4%	-45%
Delaware	296	5	90,751	85,679	1,514	-7%	42%
North Dakota	91	1	101,150	98,468	1,489	1%	-25%
Montana	179	2	102,344	98,762	1,396	-12%	-41%
New Hampshire	260	2	79,070	74,601	1,202	-23%	-6%
DC	117	1	42,730	39,725	1,042	20%	-38%
Maine	190	0	47,395	44,219	725	13%	-58%
Wyoming	54	0	55,352	53,834	693	-30%	-45%
Hawaii	65	1	28,643	27,368	450	16%	-8%
Alaska	140	0	60,691	58,496	306	0%	-73%
Vermont	109	1	17,047	15,157	215	15%	-40%

\*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

In the past 14 days, confirmed cases in **DC** increased 5% (+2,896 per 1M) and deaths increased 2% (+35 deaths per 1M)

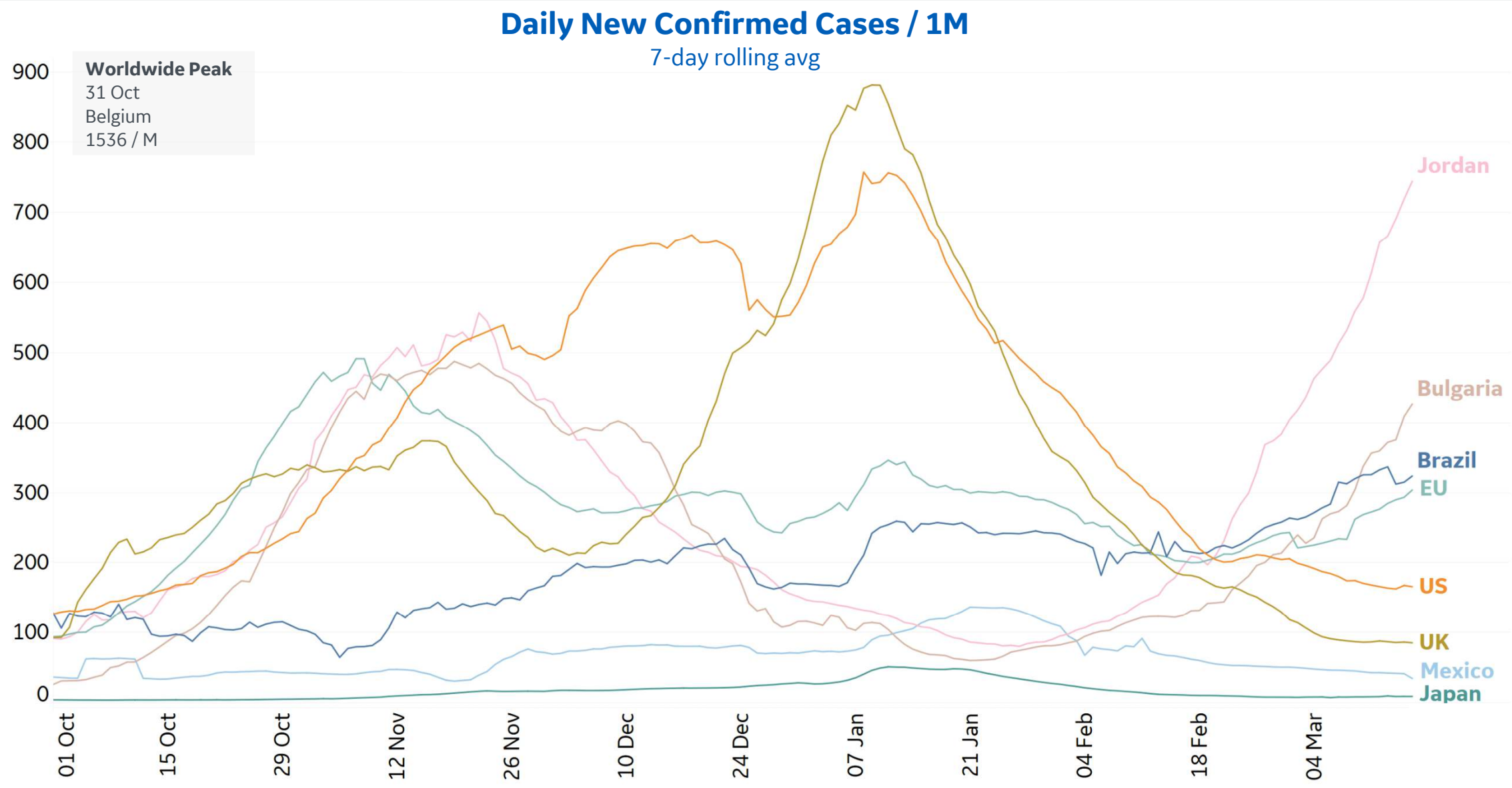
Sorted by Raw Total Deaths

N/As due to states revising and updating case counts





# New Confirmed Cases in Select Countries

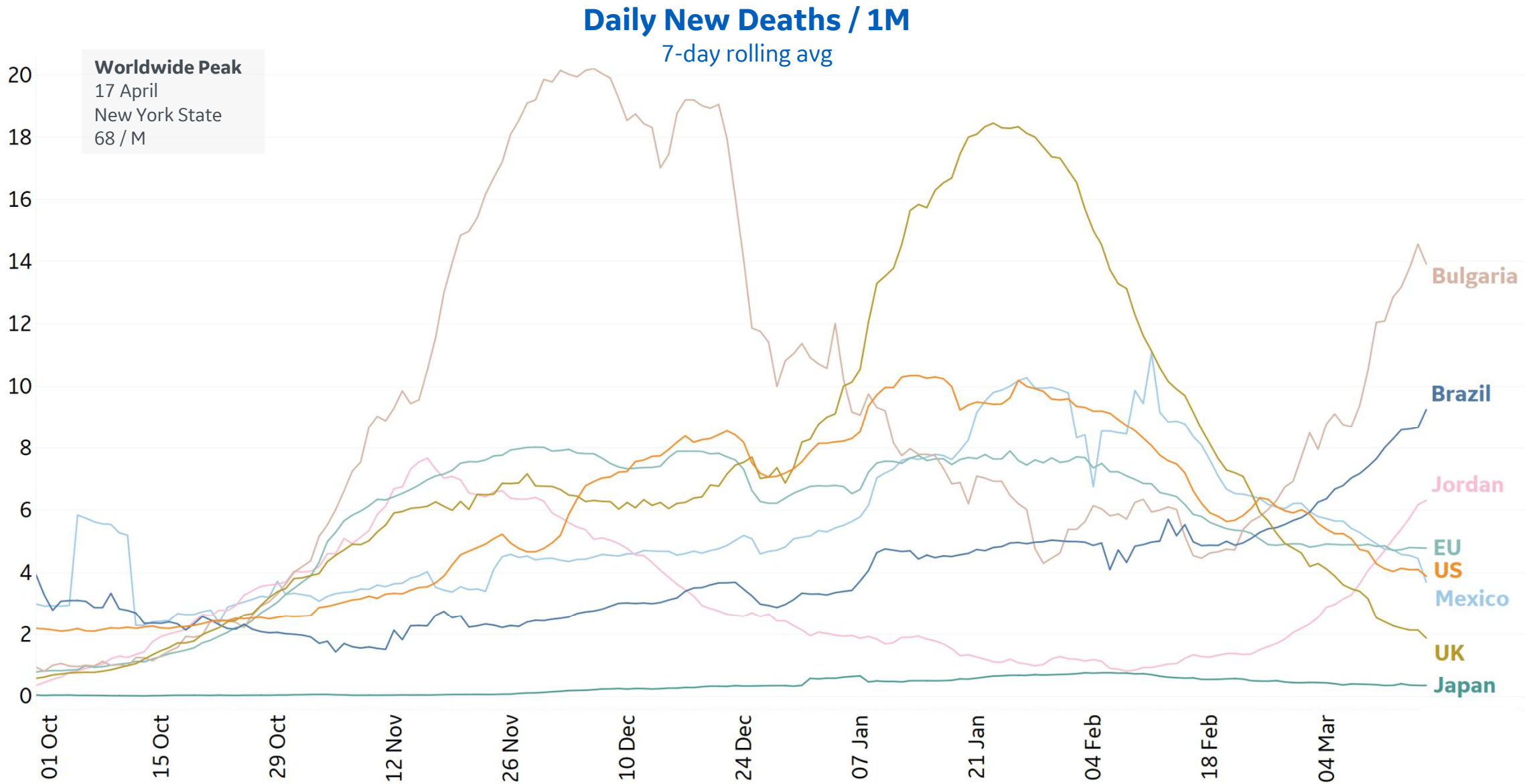




# New Deaths in Select Countries

Updated 18 Mar 2021, 3:30 GMT

8



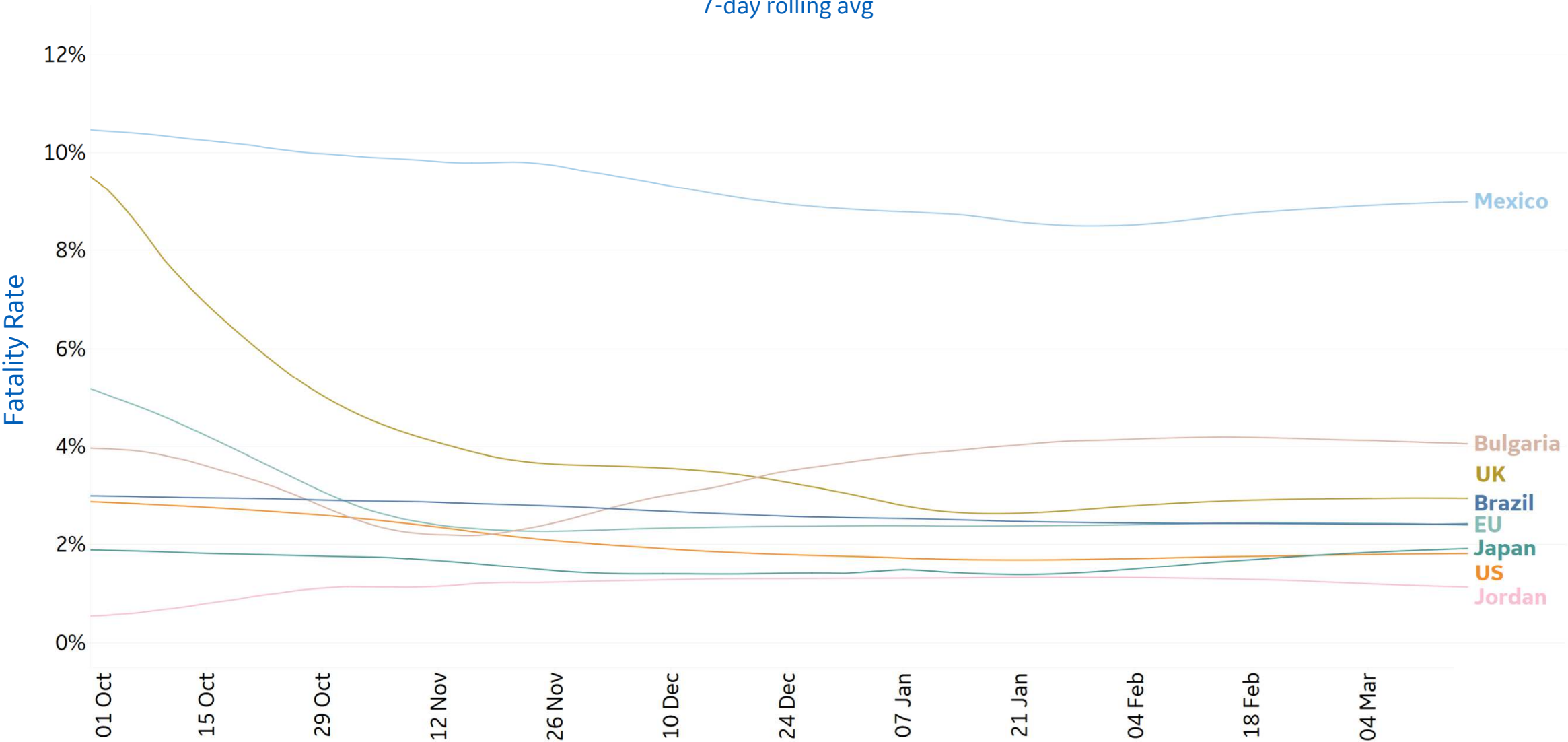






# Fatality Rate in Select Countries

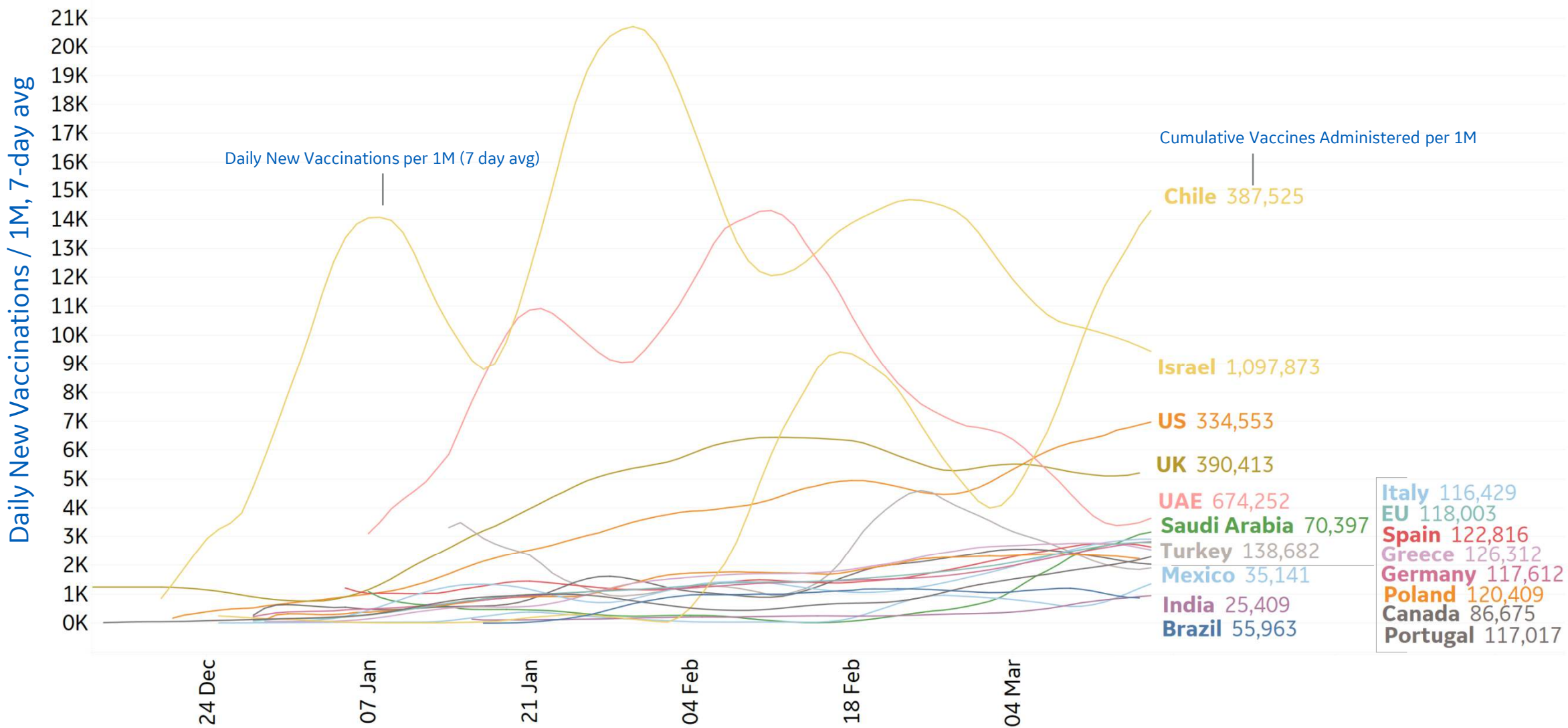
Deaths / Confirmed Cases  
7-day rolling avg





# Daily & Total Vaccinations, Select Countries

Select countries with data available







# US State Vaccinations to Date



State	% Fully Vaccinated	% Rec'd at Least 1 Dose	Population
Alaska	18.3%	28.2%	731,545
New Mexico	17.3%	29.6%	2,096,829
South Dakota	15.7%	27.7%	884,659
Hawaii	14.9%	24.0%	1,415,872
North Dakota	14.9%	26.1%	762,062
West Virginia	14.6%	23.5%	1,792,147
Connecticut	14.5%	27.1%	3,565,287
Maine	14.3%	26.4%	1,344,212
Montana	14.3%	23.8%	1,068,778
Wyoming	14.1%	22.5%	578,759
Iowa	13.6%	24.0%	3,155,070
Nebraska	13.4%	23.3%	1,934,408
Massachusetts	13.2%	25.5%	6,892,503
Wisconsin	13.2%	23.3%	5,822,434
Vermont	13.2%	25.1%	623,989
Minnesota	13.1%	24.1%	5,639,632
Oklahoma	13.1%	24.3%	3,956,971
Virginia	12.9%	22.7%	8,535,519
Arizona	12.9%	22.7%	7,278,717
Washington	12.8%	22.5%	7,614,893
Indiana	12.8%	19.7%	6,732,219
New Jersey	12.7%	24.8%	8,882,190
Maryland	12.7%	22.6%	6,045,680
Colorado	12.7%	21.5%	5,758,736
Delaware	12.6%	21.7%	973,764

**11.6%**  
Total US population  
**fully vaccinated**  
(**115,824 per million**)

**21.4%**  
Total US population  
having received  
**at least 1 dose**  
(**214,053 per million**)

Fully vaccinated people are persons who  
have received all doses required per vaccine

State	% Fully Vaccinated	% Rec'd at Least 1 Dose	Population
Ohio	12.4%	21.1%	11,689,100
North Carolina	12.3%	21.9%	10,488,084
Oregon	12.3%	21.5%	4,217,737
Illinois	12.2%	22.5%	12,671,821
Kentucky	12.2%	23.5%	4,467,673
Idaho	12.0%	19.5%	1,787,065
Michigan	11.9%	21.1%	9,986,857
Louisiana	11.9%	20.3%	4,648,794
New Hampshir..	11.8%	25.0%	1,359,711
Nevada	11.8%	20.9%	3,080,156
Florida	11.6%	20.7%	21,477,737
Kansas	11.5%	21.6%	2,913,314
South Carolina	11.4%	20.4%	5,148,714
Rhode Island	11.3%	26.8%	1,059,361
Pennsylvania	11.3%	22.7%	12,801,989
New York	11.1%	22.6%	19,453,561
Mississippi	11.1%	20.0%	2,976,149
Missouri	10.6%	19.8%	6,137,428
California	10.5%	21.6%	39,512,223
Alabama	10.4%	17.8%	4,903,185
Arkansas	10.4%	19.5%	3,017,804
Texas	10.0%	19.3%	28,995,881
Tennessee	9.9%	18.5%	6,829,174
Georgia	9.9%	16.1%	10,617,423
Utah	8.6%	19.5%	3,205,958



# Feature: Vaccine Efficacy



	Pfizer/BioNTech <sup>1</sup>	Moderna <sup>2</sup>	Johnson & Johnson <sup>3</sup>	AstraZeneca <sup>4</sup>	Sputnik V <sup>5</sup>	Sinopharm <sup>6</sup>
Efficacy	95%	94%	66%	62% / 90%	91.4% / 100%	79% / 100%
Countries that Conducted Trials	Argentina, Brazil, Germany, South Africa, Turkey, US	US	Argentina, Brazil, Chile, Colombia, Mexico, Peru, South Africa, US	UK, South Africa, US	Russia	Morocco, Peru, UAE
Dosing Regimens	2 shots, 21 days apart	2 shots, 28 days apart	1 shot	2 shots, 4-12 weeks apart	2 shots, 21 days apart	2 shots, 2-4 weeks apart
How the Vaccine Works	<b>mRNA<sup>1</sup>:</b> Encases the genetic code of the SARS-CoV-2 spike protein in a fat-based particle	<b>mRNA<sup>2</sup>:</b> Encases the genetic code of the SARS-CoV-2 spike protein in a fat-based particle	<b>Weakened cold virus<sup>3</sup>:</b> Virus is reprogrammed with the SARS-CoV-2 spike protein	<b>Adenovirus<sup>4</sup>:</b> Adds the gene for SARS-CoV-2 to an adenovirus using double stranded DNA	<b>Adenovirus<sup>5</sup>:</b> Adds the gene for SARS-CoV-2 to an adenovirus using double stranded DNA	<b>Inactivated virus<sup>6</sup>:</b> Uses inactivated SARS-CoV-2, teaching the body to create antibodies that attach to spike proteins
Doses Administered in US <sup>7</sup>	56,499,108	54,643,195	1,766,131	-	-	-
Number of Countries Currently Administering Vaccine	77 (Czechia, Israel, Italy, Mexico, Spain, UAE, UK, US)	32 (Austria, Czechia, Israel, Italy, Spain, Switzerland, US)	2 (S. Africa, US)	78 (Brazil, England, India, Italy, Spain, UAE, UK, Wales)	18 (Argentina, Mexico, Russia, UAE)	28 (Argentina, China, Peru, UAE)

1, 2, 3. Source: Time, 9 Mar 2021, "Breaking Down What COVID-19 Vaccine Effectiveness Means"

4. Sources: WHO, 11 Feb 2021, "The Oxford/AstraZeneca Vaccine: what you need to know"; Forbes, 31 Dec 2020, "AstraZeneca-Oxford Vaccine: What's Behind the Efficacy Results?"; NY Times, 11 Mar 2021, "How the Oxford-AstraZeneca Vaccine Works". Oxford/AZ vaccine shows 62% efficacy reported when given 2 full shots 4-12 weeks apart. 90% efficacy reported when first dose is at half strength. Higher efficacy also reported if shots are received 12 weeks apart.

5. Sources: Bloomberg Quint, 14 Dec 2020, "Russia's Sputnik V Vaccines Efficacy Confirmed at 91.4%"; NY Times, 3 Feb 2021, "How Gamaleya's Vaccine Works". Sputnik V (Gam-Covid-Vac) vaccine reported 91.4% efficacy when shots given 21 days apart. 100% efficacy reported in severe coronavirus cases.

6. Source: NY Times, 15 Mar 2021, "How the Sinopharm Vaccine Works". Sinopharm, when reported by Chinese regulators, has 79% efficacy. 100% efficacy reported in protection against moderate to severe cases. Vaccines administered Source: Reuters, 9 Feb 2021, "Over 43 million doses of Sinopharm's COVID-19 vaccines used globally: state media".

7. Doses administered reported for the U.S. by Our World in Data as of 17 Mar 2021. Reliable data hard to find for most countries.



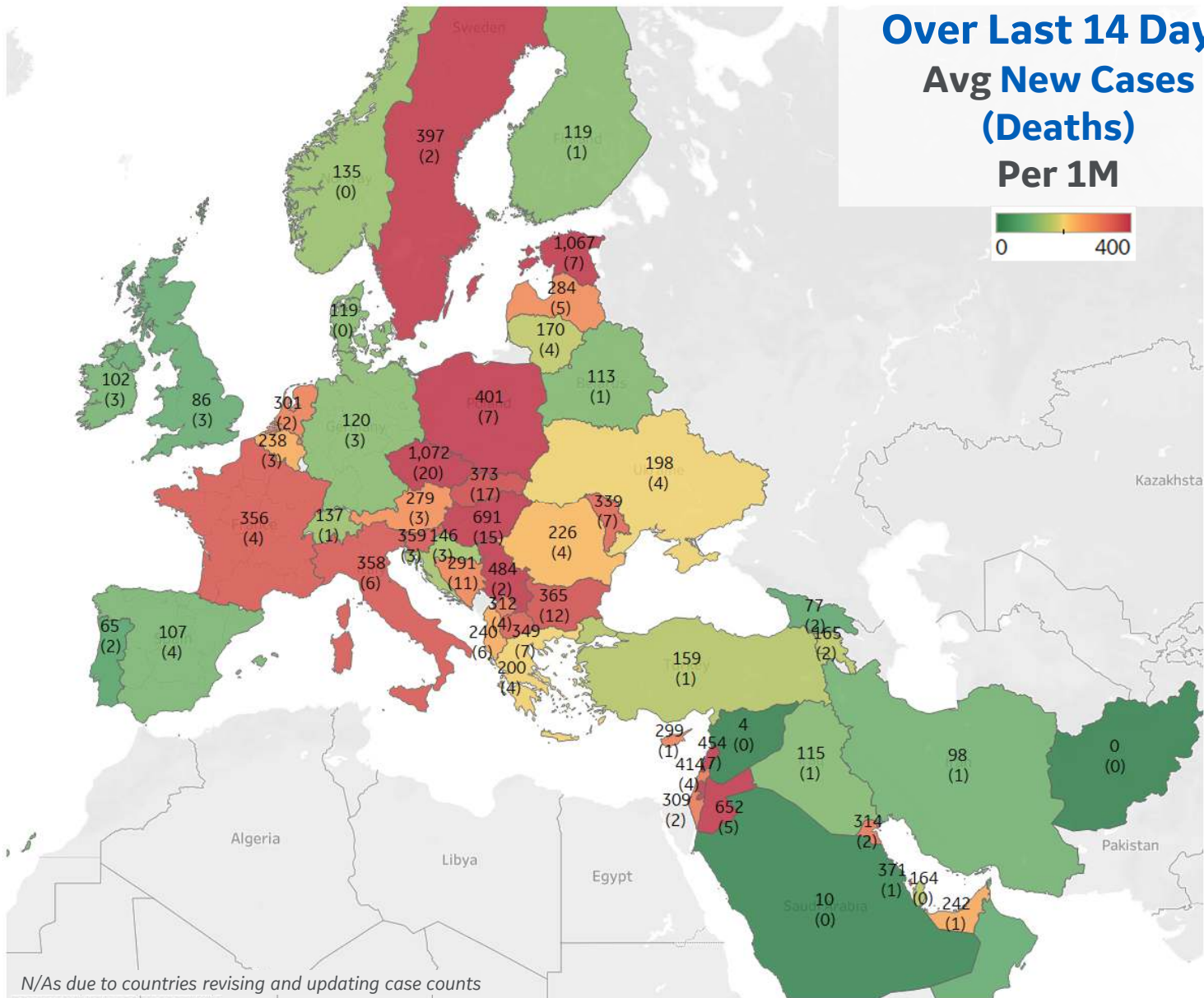
## Per 1M in Region

	Today	Change
Active Cases	18,073	+0.7%
Confirmed	245 new	+0.6%
Deaths	4 new	+0.4%
Recovered	112 new	+0.5%

## Most Daily New Cases / 1M

Czechia	1,072
Estonia	1,067
Hungary	691
Jordan	652
Serbia	484
Lebanon	454
Poland	401
Sweden	397
Slovakia	373

\* Excludes regions with population < 1M





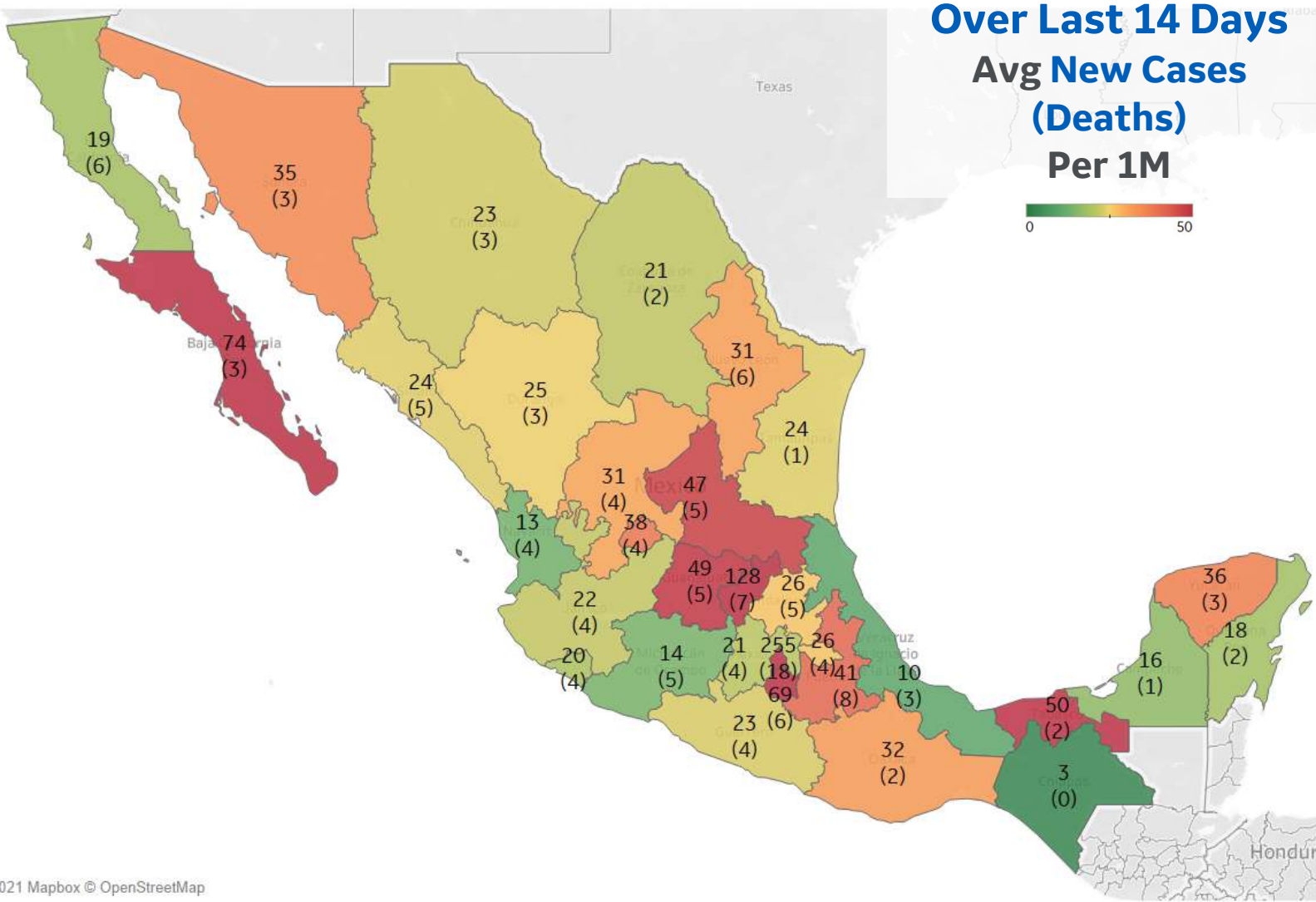


## Per 1M in Region

	Today	Change
Active Cases	1,999	-1.2%
Confirmed	10 new	+0.1%
Deaths	1 new	+0.1%
Recovered	32 new	+0.2%

## Most Daily New Cases / 1M

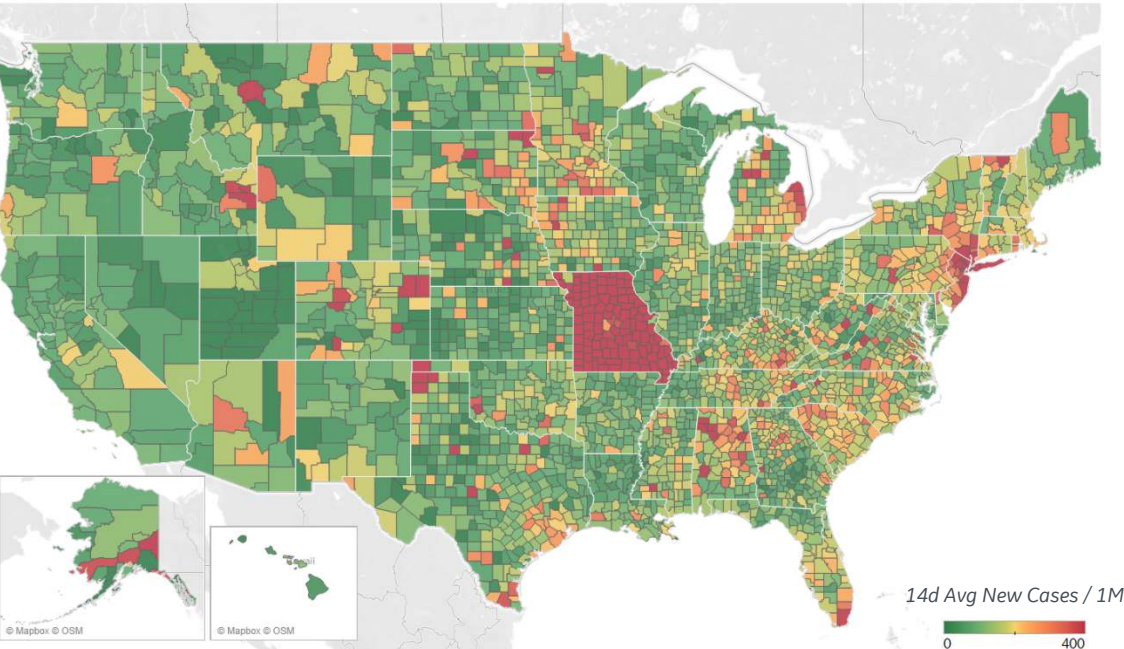
Distrito Federal	255
Querétaro	128
Baja California Sur	74
Morelos	69
Tabasco	50
Guanajuato	49
San Luis Potosí	47
Nacional	44
Puebla	41
Aguascalientes	38





# US Counties: Recent Cases and Deaths

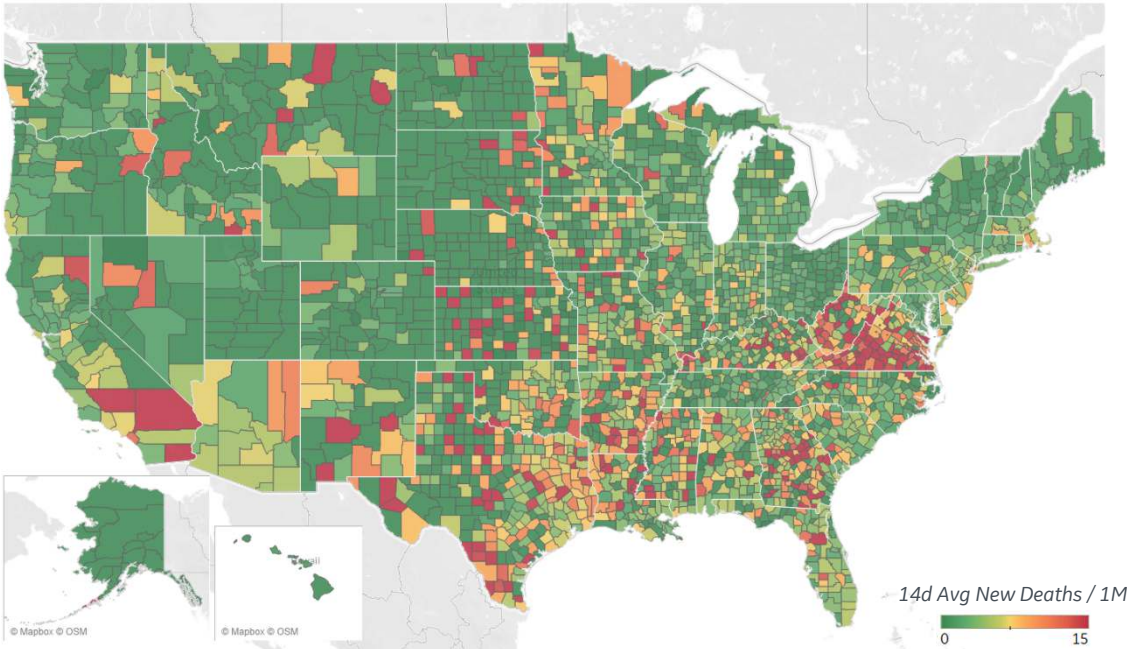
## Average New Cases per 1M Over Last 14 Days



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

St. Charles County, MO	1,314
Greene County, MO	961
Jackson County, MO	664
Monmouth County, NJ	556
Rockland County, NY	521
Ocean County, NJ	495
Morris County, NJ	480
Orange County, NY	476
Nassau County, NY	460
New York City*	452

## Average New Deaths per 1M Over Last 14 Days



### Top 10 by New Deaths Avg New Deaths/ 1M

San Bernardino County, CA	34
Kern County, CA	19
Marion County, FL	18
Henrico County, VA	13
Orange County, CA	12
Chesterfield County, VA	11
El Paso County, TX	10
Bristol County, MA	9
Webb County, TX	9
Hampden County, MA	9

**Note:** Lists includes counties  
≥ 250K population

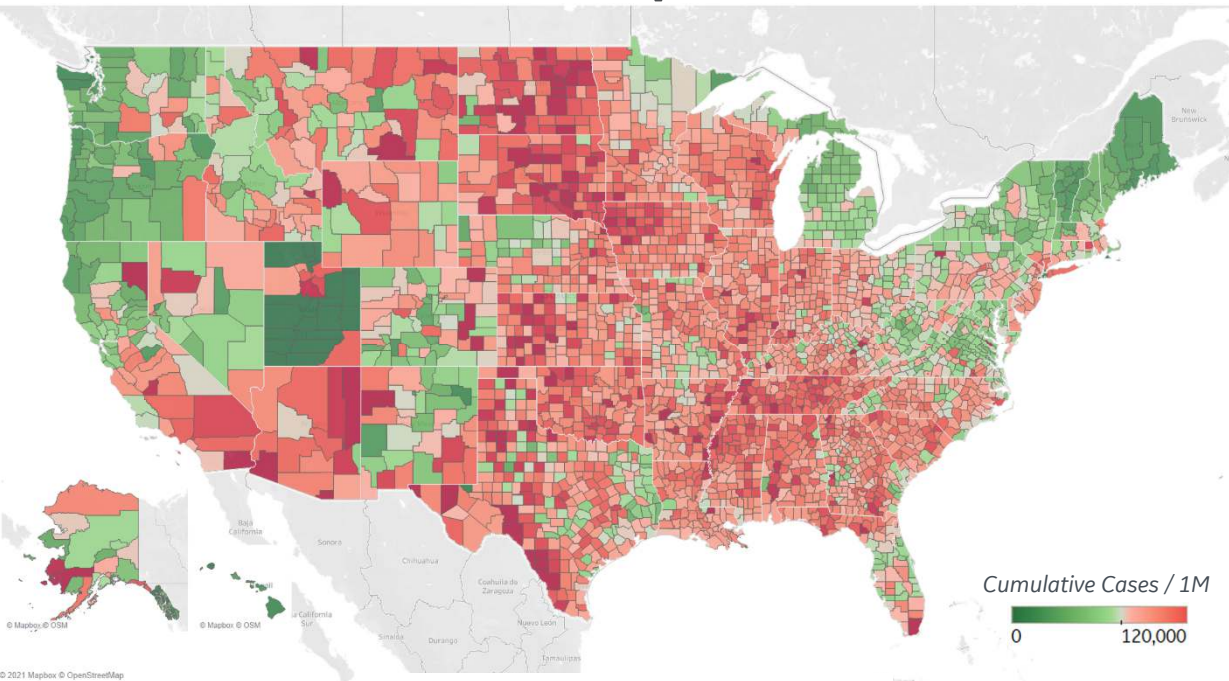




# US Counties: Cumulative Cases and Deaths

Updated 18 Mar 2021, 3:30 GMT

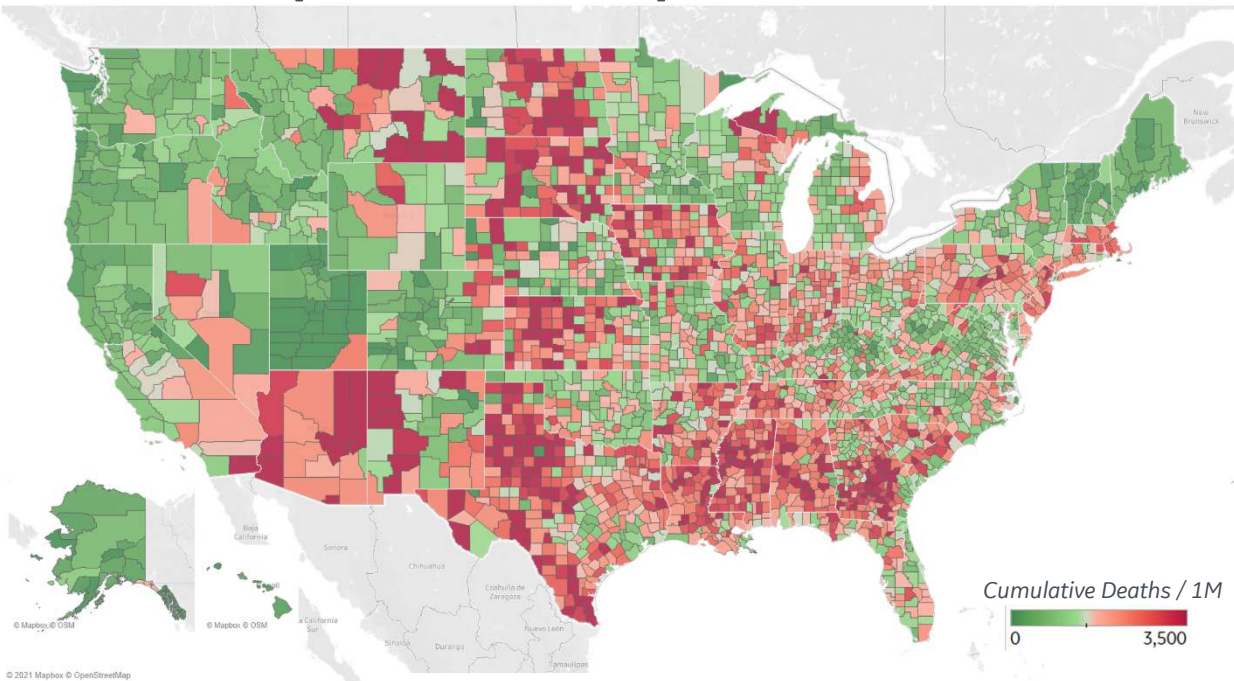
## Confirmed **Cases** per 1M to date



### Top 10 Counties Total Confirmed Cases / 1M

Miami-Dade County, FL	157,851
Lubbock County, TX	155,817
Webb County, TX	155,184
El Paso County, TX	151,528
Utah County, UT	144,093
San Bernardino County, CA	132,532
Providence County, RI	132,298
Greenville County, SC	126,903
Rockland County, NY	126,385
Brown County, WI	125,723

## Reported **Deaths** per 1M to date



### Top 10 Counties Total Reported Deaths / 1M

New York City*	5,637
Cameron County, TX	3,637
Passaic County, NJ	3,475
Essex County, NJ	3,417
Union County, NJ	3,277
Ocean County, NJ	3,188
Hidalgo County, TX	3,121
Hudson County, NJ	3,064
Hampden County, MA	2,995
El Paso County, TX	2,954

\* New York City counties aggregated into one reporting area

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





## Per 1M in Region

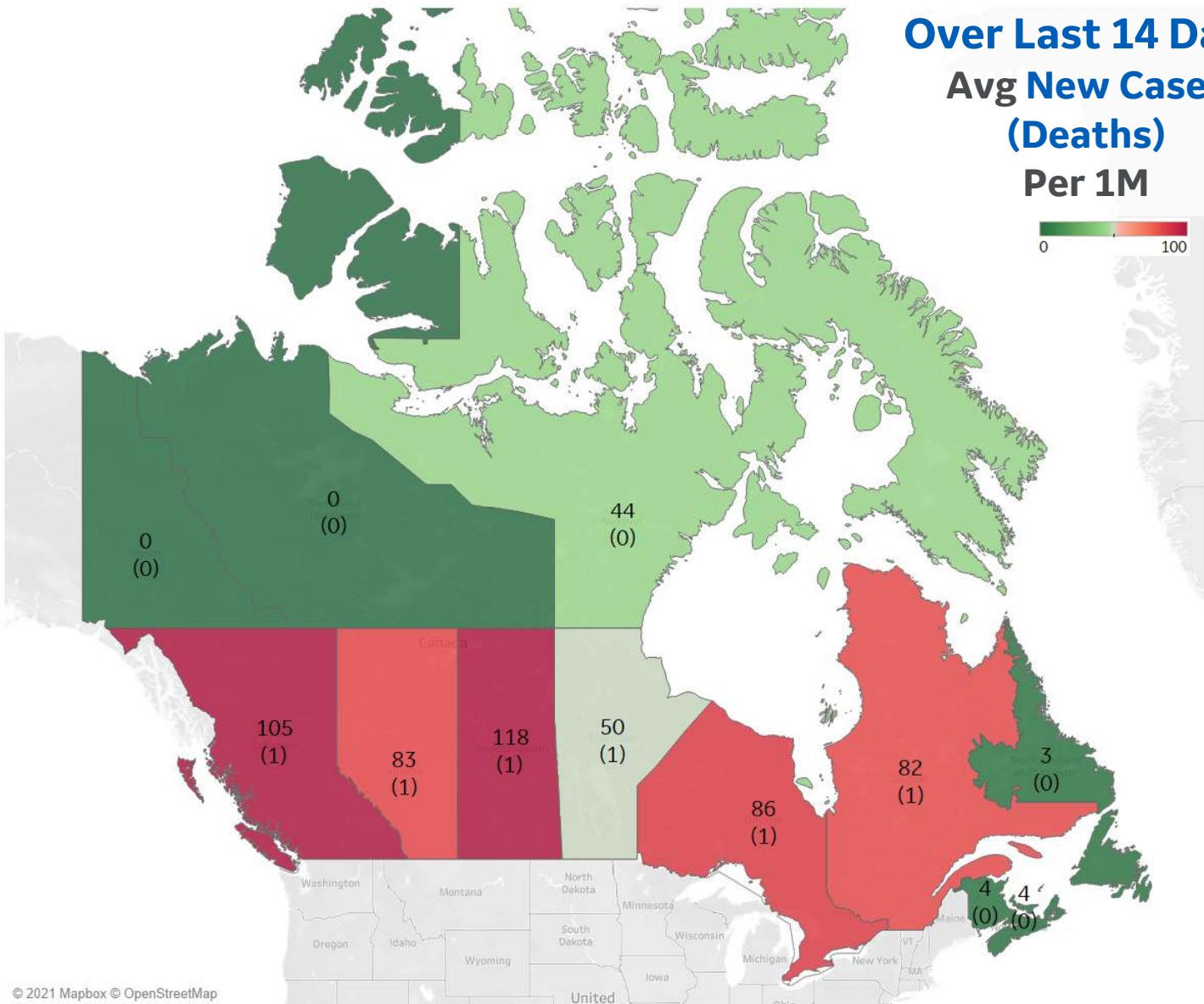
	Today	Change
Active Cases	827	-0.3%
Confirmed	76 new	+0.3%
Deaths	1 new	+0.1%
Recovered	77 new	+0.3%

## Most Daily New Cases / 1M

Saskatchewan	118
British Columbia	105
Quebec	82
Alberta	83
Ontario	86
Manitoba	50

\* Excludes regions with population < 1M

## Over Last 14 Days Avg New Cases (Deaths) Per 1M





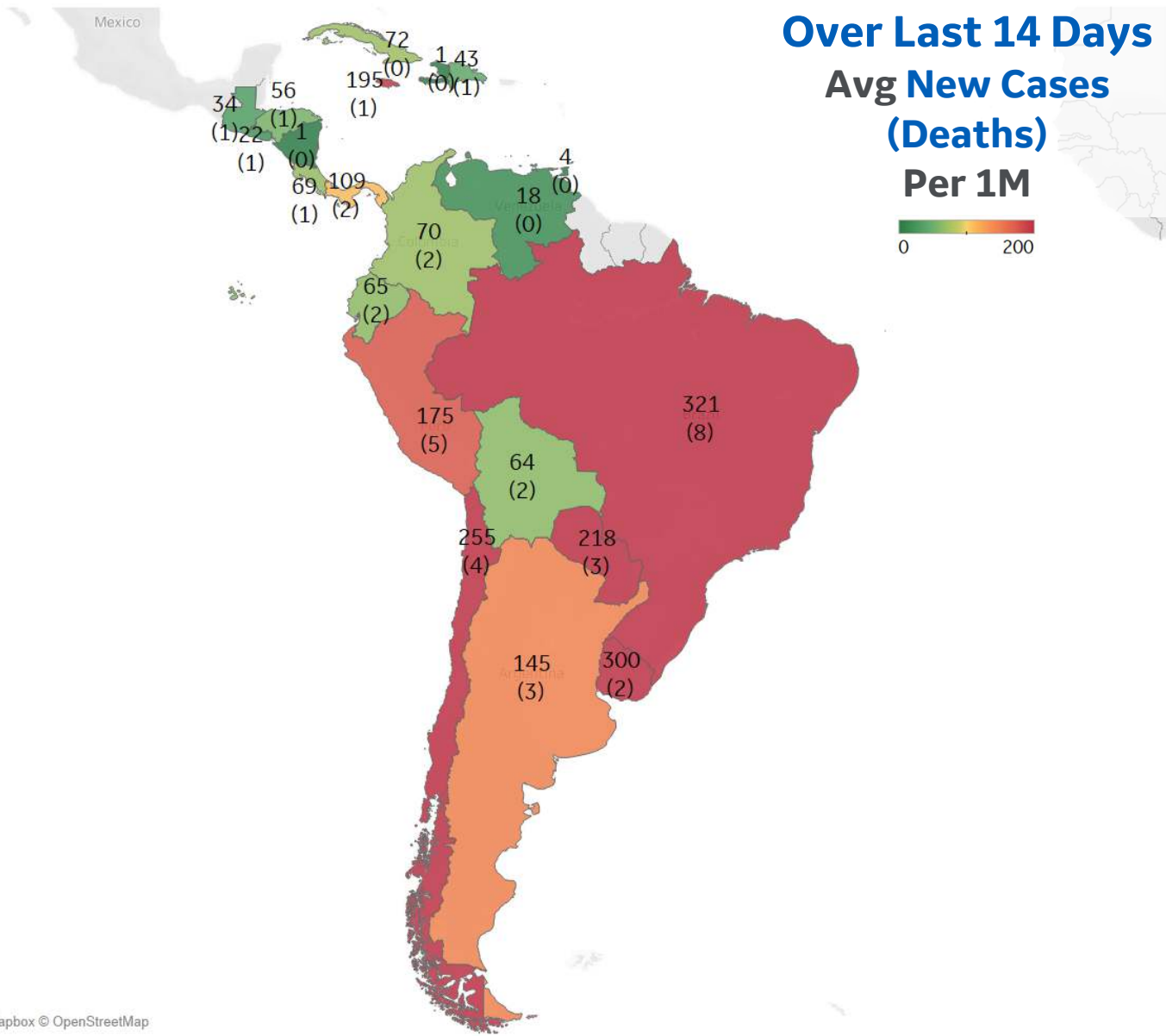
## Per 1M in Region

	Today	Change
Active Cases	3,167	+1.2%
Confirmed	225 new	+0.6%
Deaths	7 new	+0.7%
Recovered	181 new	+0.5%

## Most Daily New Cases / 1M

Brazil	321
Uruguay	300
Chile	255
Paraguay	218
Jamaica	195
Peru	175
Argentina	145
Panama	109
Cuba	72
Colombia	70

\* Excludes regions with population < 1M





# Brazil



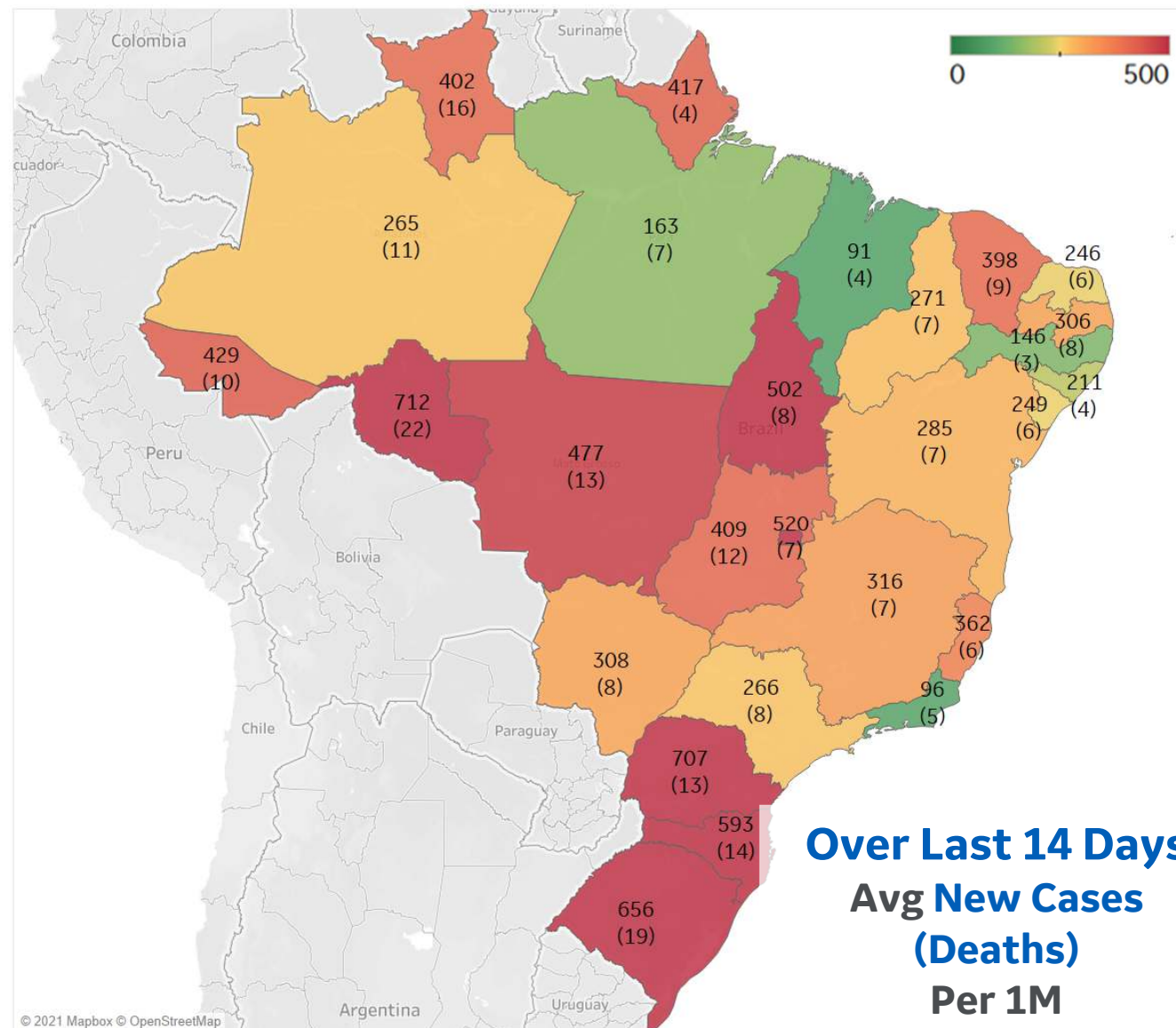
## Per 1M in Region

	Today	Change
Active Cases	4,988	+1.5%
Confirmed	395 new	+0.7%
Deaths	13 new	+1.0%
Recovered	308 new	+0.6%

## Most Daily New Cases / 1M

Rondônia	712
Paraná	707
Rio Grande do ..	656
Santa Catarina	593
Distrito Federal	520
Tocantins	502
MatoGrosso	477
Goiás	409
Ceará	398
Espírito Santo	362

\* Excludes regions with population < 1M







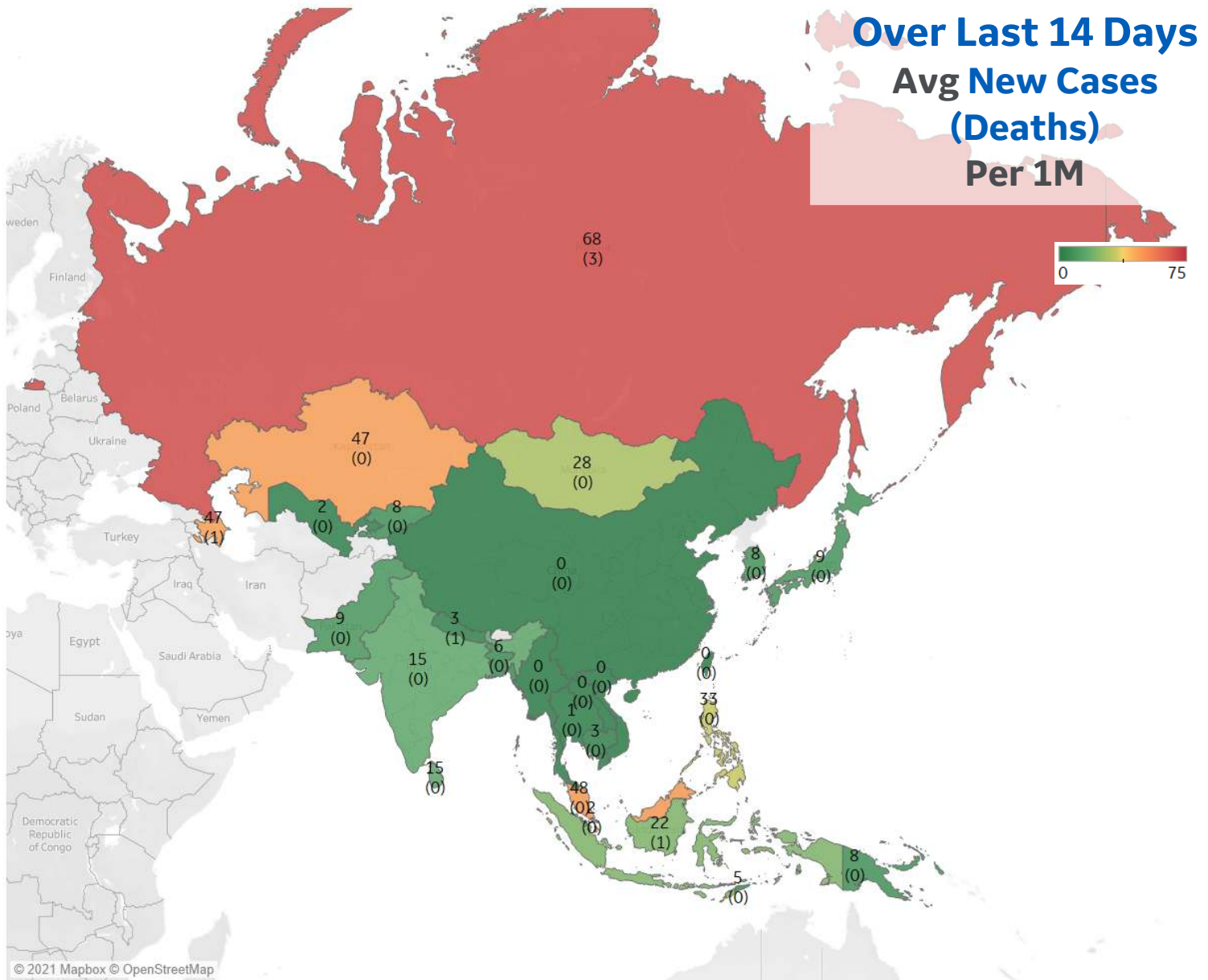
## Per 1M in Region

	Today	Change
Active Cases	200	+1.3%
Confirmed	13 new	+0.3%
Deaths	0.2 new	+0.3%
Recovered	11 new	+0.2%

## Most Daily New Cases / 1M

Russia	68
Malaysia	48
Kazakhstan	47
Azerbaijan	47
Philippines	33
Mongolia	28
Indonesia	22
India	15
Sri Lanka	15
Pakistan	9

\* Excludes regions with population < 1M



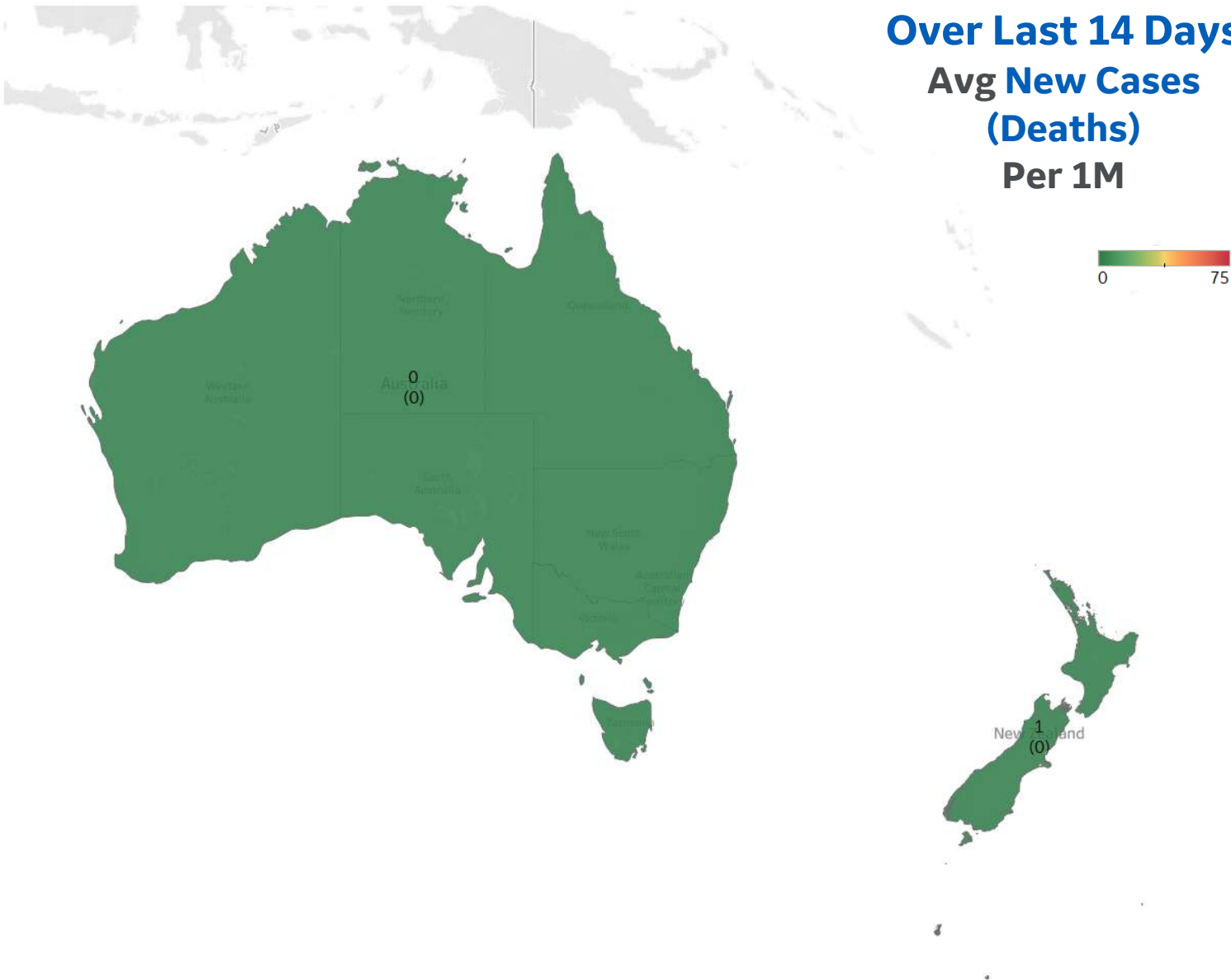


Per 1M in Region

	Today	Change
Active Cases	173	+0%
Confirmed	1 new	+0%
Deaths	0 new	+0%
Recovered	0 new	+0%

Most Daily New Cases / 1M

New Zealand	1
Australia	0





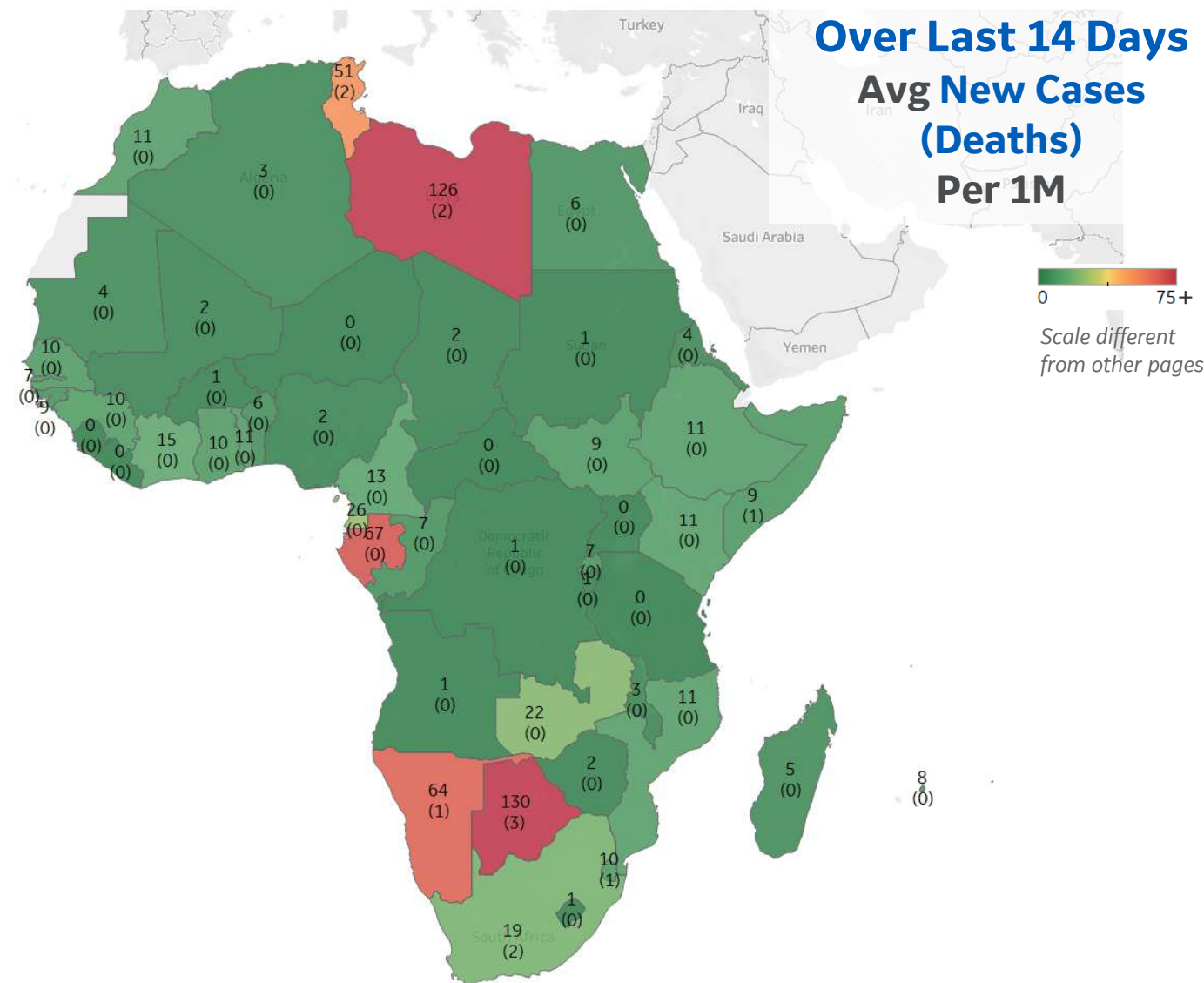
## ..... Per 1 M in Region .....

	Today	Change
Active Cases	227	-0.6%
Confirmed	7 new	+0.2%
Deaths	0.2 new	+0.3%
Recovered	8 new	+0.3%

### Most Daily New Cases / 1M

Botswana	130
Libya	126
Gabon	67
Namibia	64
Tunisia	51
Eq. Guinea	26
Zambia	22
South Africa	19
Cote d'Ivoire	15
Cameroon	13

\* Excludes regions 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>

Worldwide Survival Rate, last 30d calculation =

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

**Vaccine Efficacy:**

<https://ourworldindata.org/covid-vaccinations>

<https://time.com/5945177/covid-19-vaccine-effectiveness/>

<https://www.who.int/news-room/feature-stories/detail/the-oxford-astrazeneca-covid-19-vaccine-what-you-need-to-know>

<https://www.forbes.com/sites/katherinehignett/2021/12/31/astrazeneca-oxford-vaccine-whats-behind-the-efficacy-results/?sh=2c6e95e8211c>

<https://www.nytimes.com/interactive/2020/health/oxford-astrazeneca-covid-19-vaccine.html>

<https://www.bloombergquint.com/coronavirus-outbreak/sputnik-v-vaccine-s-efficacy-confirmed-at-91-4-pc-rdif-gamaleya-center>

<https://www.nytimes.com/interactive/2021/health/gamaleya-covid-19-vaccine.html>

<https://www.nytimes.com/interactive/2020/health/sinopharm-covid-19-vaccine.html>