

# COVID-19 UPDATE WEEKLY

03 December 2021



MENTENOVA

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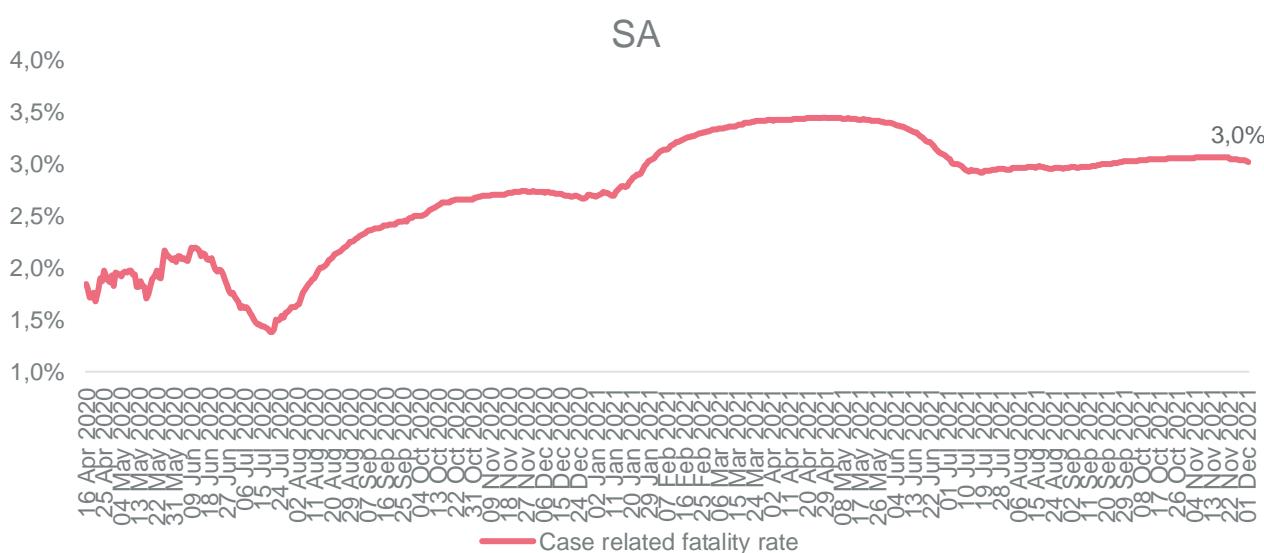
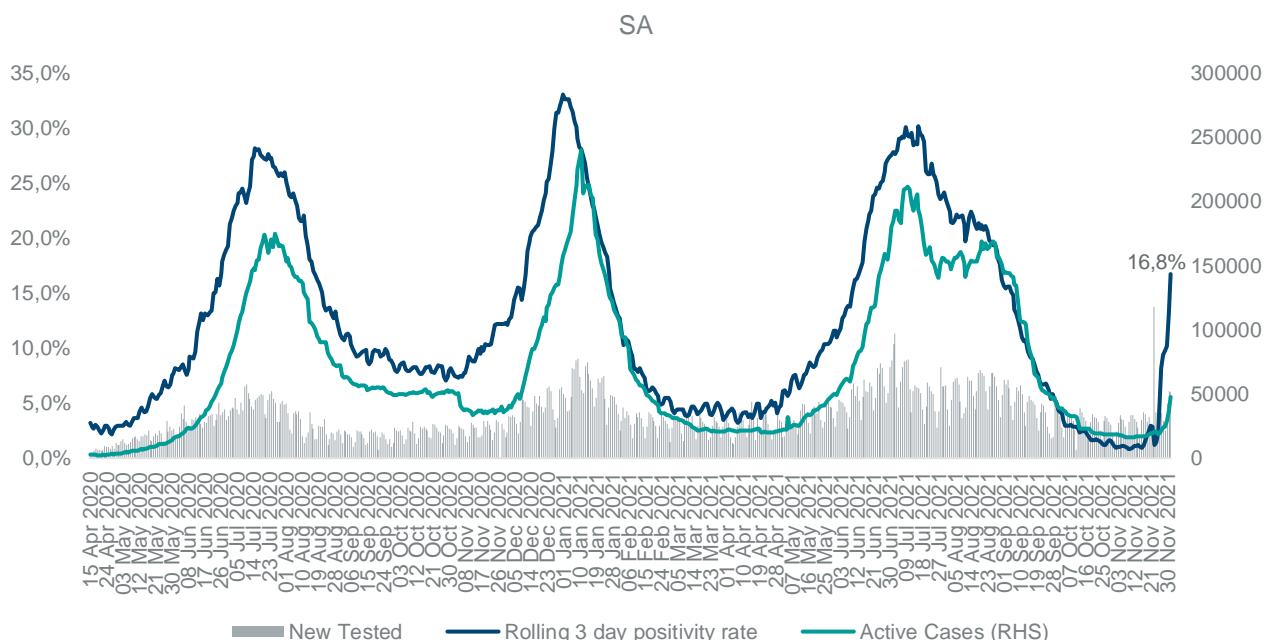


# COVID-19 UPDATE WEEKLY

Our team at Mentenova continues to monitor the progression of the COVID-19 pandemic while the biggest vaccine campaign in history is in full swing. As a team we would like to share this information with you. Please find the updated COVID-19-related charts below.

## 1. SA AND USA POSITIVITY RATE

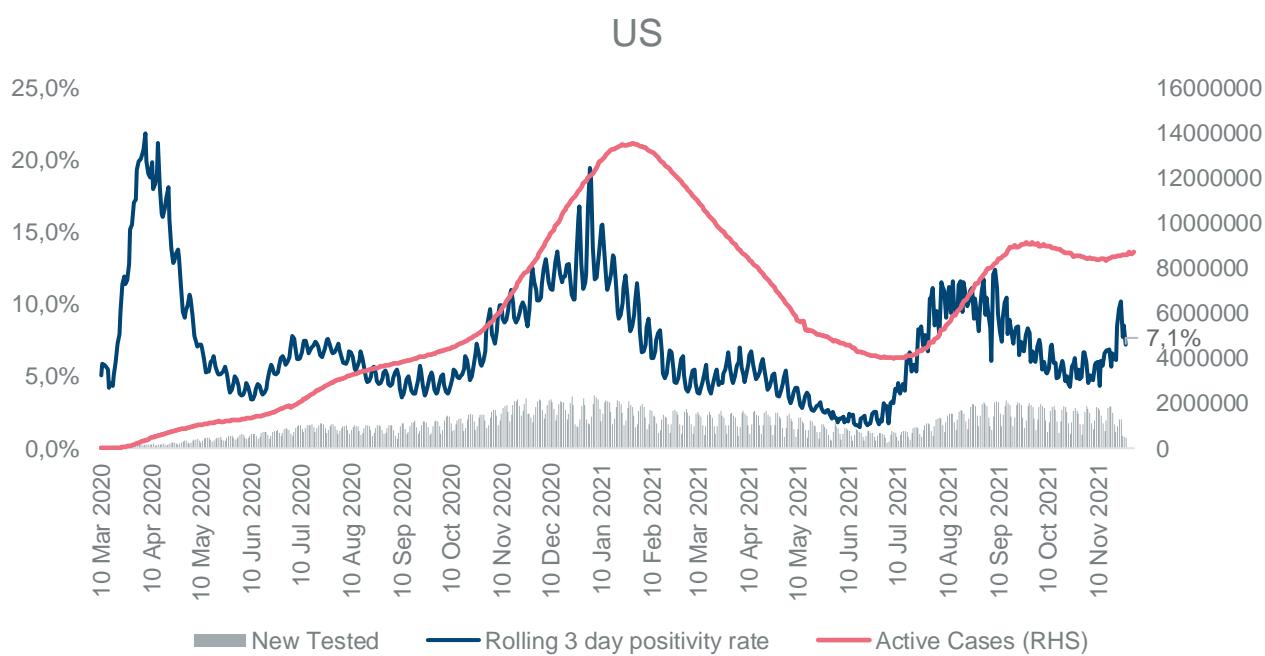
The rolling 3-day positivity rate for South Africa has increased to 16.8%, while the case-related fatality rate has remained unchanged at 3.0% and the total number of vaccine doses administered stands at 26,109,436.





Source: <https://sacoronavirus.co.za/>

The rolling 3-day positivity rate for the US stood at 7.1% on 27 November, which is subject to data revisions.



Source: <https://ourworldindata.org/coronavirus-testing>

<https://www.coronatracker.com/analytics/>



The table below is sorted by number of total cases in descending order.

Country	Region	Latest Number of Cases	Latest Number of Deaths	Active Cases % of World	Case % Population	Tested per 1000 People	Daily Rate of New Case (2 December)	Rolling 3 Day Average	Daily Rate of New Death (2 December)			Death Rate (2 December)		
		Number of Cases	Deaths	Active Cases	% of World	Population	People	(2 December)	Day Average	Trend	Day Average	Trend	Day Average	Trend
Global		264 260 573	235 681	22 248 787	3.4%	1 547.3	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	2.0%	2.0%
U.S.	North America	48 832 268	785 912	8 656 710	38.9%	14.8%	2.5%	0.1%	0.0%	0.5%	0.3%	0.3%	1.6%	1.6%
India	Asia & Pacific	34 615 757	470 115	99 976	0.4%	1 154.5	0.2%	0.0%	0.1%	0.1%	0.1%	0.1%	1.4%	1.4%
Brazil	LATAM	22 118 782	615 175	152 098	0.7%	10.4%	110.8	0.1%	0.1%	0.0%	0.0%	0.0%	2.8%	2.8%
U.K.	Europe	10 387 320	145 728	1 115 463	5.0%	15.4%	4 994.7	0.5%	0.5%	0.1%	0.1%	0.1%	1.4%	1.4%
Russia	Europe	9 533 593	272 279	824 683	3.7%	6.5%	1 452.0	0.3%	0.3%	0.4%	0.4%	0.4%	2.9%	2.9%
Turkey	Asia & Pacific	8 841 861	77 230	391 853	1.8%	10.5%	726.1	0.2%	0.3%	0.2%	0.2%	0.2%	0.9%	0.9%
France	Europe	8 777 490	120 313	610 004	2.8%	12.1%	2 403.2	0.6%	0.6%	0.1%	0.1%	0.1%	1.5%	1.5%
Spain	Europe	5 189 220	88 122	175 120	0.8%	11.1%	1 157.8	0.3%	0.2%	0.0%	0.0%	0.0%	1.7%	1.7%
Colombia	LATAM	5 074 079	128 643	31 515	0.1%	10.0%	530.6	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	2.5%
Italy	Europe	5 060 430	134 003	208 871	0.9%	8.4%	1 775.4	0.3%	0.3%	0.1%	0.1%	0.1%	2.6%	2.7%
Indonesia	Asia & Pacific	4 256 998	143 850	7 738	0.0%	1.6%	118.4	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	3.4%
Mexico	LATAM	3 894 364	294 715	349 171	1.6%	3.0%	81.5	0.0%	0.1%	0.0%	0.1%	0.1%	7.6%	7.6%
Ukraine	Europe	3 647 163	92 927	535 616	2.4%	8.3%	338.5	0.4%	0.4%	0.6%	0.6%	0.6%	2.5%	2.5%
Poland	Europe	3 596 491	84 656	448 617	2.0%	9.5%	596.1	0.8%	0.7%	0.6%	0.6%	0.6%	2.4%	2.4%
South Africa	Africa	2 988 148	89 915	47 328	0.2%	5.0%	191.8	0.4%	0.5%	0.0%	0.0%	0.0%	3.0%	3.0%
Philippines	Asia & Pacific	2 833 473	48 752	14 807	0.1%	2.6%	211.8	0.0%	0.0%	0.1%	0.2%	0.1%	1.7%	1.7%
Netherlands	Europe	2 726 156	19 974	578 233	2.6%	15.9%	849.5	0.9%	0.8%	0.3%	0.3%	0.3%	0.7%	0.7%
Malaysia	Asia & Pacific	2 644 027	30 521	62 253	0.3%	8.2%	732.3	0.2%	0.2%	0.2%	0.2%	0.2%	1.2%	1.2%
Peru	LATAM	2 236 351	201 176	2 035 175	9.1%	6.8%	584.0	0.0%	0.0%	0.0%	0.0%	0.0%	9.0%	9.0%
Czech Republic	Europe	2 211 972	33 450	305 328	1.4%	20.7%	1 112.9	1.0%	0.9%	0.4%	0.4%	0.4%	1.5%	1.5%
Thailand	Asia & Pacific	2 130 641	20 880	72 761	0.3%	3.1%	22.6	0.2%	0.2%	0.2%	0.2%	0.2%	1.0%	1.0%
Iraq	Middle east	2 082 774	23 850	11 649	0.1%	5.3%	404.7	0.0%	0.0%	0.1%	0.1%	0.1%	1.1%	1.1%
Belgium	Europe	1 809 557	27 120	430 882	1.9%	15.6%	1 902.0	1.3%	1.1%	0.2%	0.2%	0.2%	1.5%	1.5%
Canada	North America	1 807 312	29 790	34 998	0.2%	4.8%	1 234.2	0.2%	0.2%	0.1%	0.1%	0.1%	1.6%	1.6%
Romania	Europe	1 781 957	56 684	33 917	0.2%	9.3%	280.9	0.1%	0.1%	0.1%	0.2%	0.1%	3.2%	3.2%
Chile	LATAM	1 766 493	38 403	68 366	0.3%	9.3%	1 258.2	0.1%	0.1%	0.1%	0.1%	0.1%	2.2%	2.2%
Japan	Asia & Pacific	1 726 864	18 359	160	0.0%	1.4%	66.9	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	1.1%
Bangladesh	Asia & Pacific	1 576 827	27 986	7 180	0.0%	1.0%	46.0	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	1.8%
Israel	Europe	1 344 804	8 199	5 542	0.0%	15.5%	3 448.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.6%
Pakistan	Asia & Pacific	1 286 022	28 753	12 114	0.1%	0.6%	41.5	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	2.2%
Vietnam	Asia & Pacific	1 266 288	25 656	235 320	1.1%	1.3%	288.4	1.1%	1.1%	0.8%	0.8%	0.8%	2.0%	2.0%
Serbia	Europe	1 259 005	11 792	47 774	0.2%	14.4%	738.6	0.2%	0.2%	0.4%	0.4%	0.4%	0.9%	0.9%
Sweden	Europe	1 209 935	15 164	34 499	0.2%	12.0%	989.8	0.2%	0.3%	0.0%	0.0%	0.0%	1.3%	1.3%
Slovakia	Europe	1 192 439	14 606	590 197	2.7%	21.8%	743.7	0.8%	0.9%	0.7%	0.6%	0.6%	1.2%	1.2%
Austria	Europe	1 179 244	12 625	116 568	0.5%	13.1%	11 082.9	0.8%	0.8%	0.6%	0.6%	0.6%	1.1%	1.1%
Portugal	Europe	1 154 817	18 471	57 638	0.3%	11.3%	964.0	0.3%	0.3%	0.1%	0.1%	0.1%	1.6%	1.6%
Hungary	Europe	1 124 726	34 931	170 660	0.8%	11.6%	772.3	0.9%	0.9%	0.6%	0.6%	0.6%	3.1%	3.1%
Kazakhstan	Asia & Pacific	1 056 517	17 871	99 080	0.4%	5.6%	616.3	0.1%	0.1%	0.1%	0.1%	0.1%	1.7%	1.7%
Switzerland	Europe	1 034 675	11 568	158 217	0.7%	12.0%	1 364.0	0.9%	0.9%	0.2%	0.2%	0.2%	1.1%	1.1%
Jordan	Middle east	963 655	11 661	57 917	0.3%	9.4%	726.2	0.5%	0.5%	0.2%	0.2%	0.2%	1.2%	1.2%
Cuba	LATAM	962 778	8 305	751	0.0%	8.5%	937.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.9%
Greece	Europe	951 351	18 325	76 448	0.3%	9.1%	2 638.5	0.7%	0.7%	0.5%	0.5%	0.5%	1.9%	1.9%
Morocco	Africa	950 223	14 782	2 876	0.0%	2.6%	275.3	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.6%
Georgia	Europe	857 933	12 256	45 825	0.2%	21.5%	1 225.3	0.4%	0.5%	0.6%	0.6%	0.6%	1.4%	1.4%
Nepal	Asia & Pacific	821 949	11 535	7 045	0.0%	2.8%	152.0	0.0%	0.0%	0.1%	0.1%	0.1%	1.4%	1.4%
U.A.E.	Middle east	742 109	2 148	2 937	0.0%	7.5%	9 595.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%
Tunisia	Africa	717 908	25 381	1 228	0.0%	6.2%	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	3.5%
Bulgaria	Europe	699 180	28 656	103 606	0.5%	10.1%	808.9	0.3%	0.3%	0.4%	0.4%	0.4%	4.1%	4.1%
Lebanon	Middle east	674 000	8 745	30 953	0.1%	9.9%	673.4	0.2%	0.3%	0.0%	0.0%	0.0%	1.3%	1.3%
Belarus	Europe	658 328	5 114	7 110	0.0%	7.0%	1 035.1	0.3%	0.3%	0.3%	0.3%	0.3%	0.8%	0.8%
Croatia	Europe	619 255	11 043	32 603	0.1%	15.5%	788.9	0.9%	0.8%	0.7%	0.7%	0.7%	1.8%	1.8%
Guatemala	North America	618 727	15 967	1 299	0.0%	3.5%	164.6	0.0%	0.1%	0.1%	0.1%	0.1%	2.6%	2.6%
Azerbaijan	Asia & Pacific	591 885	7 905	25 161	0.1%	6.0%	535.2	0.3%	0.3%	0.3%	0.3%	0.3%	1.3%	1.3%
Ireland	Europe	578 064	5 707	124 216	0.6%	11.7%	957.4	0.7%	0.8%	0.0%	0.0%	0.0%	1.0%	1.0%
Costa Rica	LATAM	567 263	7 309	9 425	0.0%	11.1%	506.0	0.1%	0.0%	0.1%	0.1%	0.1%	1.3%	1.3%
Sri Lanka	Asia & Pacific	565 471	14 399	9 948	0.0%	2.6%	111.4	0.1%	0.1%	0.2%	0.2%	0.2%	2.5%	2.5%
Saudi Arabia	Middle east	549 810	8 839	2 005	0.0%	1.6%	876.9	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.6%
Bolivia	LATAM	540 869	19 205	26 315	0.1%	4.6%	226.2	0.2%	0.2%	0.0%	0.0%	0.0%	3.6%	3.6%
Ecuador	LATAM	526 870	33 250	49 740	0.2%	3.0%	92.2	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%	6.3%
Myanmar	Asia & Pacific	523 346	19 120	5 478	0.0%	1.0%	74.4	0.1%	0.1%	0.0%	0.0%	0.0%	3.7%	3.7%
Denmark	Europe	502 493	2 026	96 450	0.4%	8.7%	7 607.0	1.0%	1.0%	0.1%	0.1%	0.1%	0.6%	0.6%
Panama	North America	478 275	7 370	2 704	0.0%	1.1%	962.1	0.1%	0.1%	0.0%	0.0%	0.0%	1.5%	1.5%
Lithuania	Europe	476 354	6 805	28 463	0.1%	17.5%	2 182.0	0.4%	0.4%	0.4%	0.4%	0.4%	1.4%	1.4%
Paraguay	LATAM	463 199	16 475	796	0.0%	6.5%	267.9	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	3.6%
Palestine	Middle east	461 157	4 806	33 189	0.1%	9.1%	525.9	0.1%	0.1%	0.1%	0.1%	0.1%	1.0%	1.0%
South Korea	Asia & Pacific	457 612	3 705	50 488	0.2%	0.9%	128.6	0.0%	0.8%	0.0%	0.0%	0.0%	0.8%	0.8%
Venezuela	LATAM	433 208	5 170	7 602	0.0%	1.5%	111.8	0.2%	0.2%	0.2%	0.2%	0.2%	1.2%	1.2%
Slovenia	Europe	425 288	5 255	30 074	0.1%	20.4%	848.7	0.5%	0.5%	0.3%	0.3%	0.3%	1.2%	1.2%
Kuwait	Middle east	413 419	2 465	291	0.0%	9.7%	1 149.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.6%
Dominican Republic	LATAM	407 629	4 210	2 583	0.0%	3.8%	206.5	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	1.0%
Uruguay	LATAM	400 275	6 132	2 263	0.0%	11.5%	1 119.0	0.1%	0.1%	0.0%	0.0%	0.0%	1.5%	1.5%
Mongolia	Asia & Pacific	382 894	2 011	67 631	0.3%	11.7%	1 022.6	0.1%	0.1%	0.0%	0.0%	0.0%	0.5%	0.5%
Honduras	LATAM	377 859	10 402	245 735	1.1%	3.8%	111.3	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	2.8%
Libya	Africa	373 739	5 476	15 847	0.1%	5.4%	259.7	0.1%	0.1%	0.2%	0.2%	0.2%	1.5%	1.5%
Ethiopia	Africa	371 803	6 784	15 713	0.1%	0.3%	25.9	0.0%	0.0%	0.2%	0.2%	0.2%	1.8%	1.8%
Moldova	Europe	365 165	9 162	7 058	0.0%	9.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	2.5%	2.5%
Egypt	Middle east	360 435	20 594	40 976	0.2%	0.4%	30.7	0.3%	0.3%	0.3%	0.3%	0.3%	5.7%	5.7%
Armenia	Europe	339 977	7 644	12 857	0.1%	11.5%	732.4	0.2%	0.1%	0.3%	0.3%	0.3%	2.2%	2.2%
Oman	Middle east	304 581	4 113	447	0.0%	6.0%	99.8	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	1.4%
Bahrain	Middle east	277 752	1 394	319	0.0%	16.3%	4 138.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%
Bosnia	Europe	276 548	12 656	71 672	0.3%	8.4%	402.2	0.2%	0.3%	0.2%	0.2%	0.2%	4.6%	4.6%
Norway	Europe	275 763	1 093	185 718	0.8%	5.1%	1 512.3	1.5%	1.5%	0.1%	0.1%	0.1%	0.4%	0.4%
Singapore	Asia & Pacific	267 150	735	11 291	0.1%	4.6%	2 770.3	0.4%	0.5%	1.2%	1.2%	1.2%	0.3%	0.3%
Latvia	Europe	255 402	4 232	11 705	0.1%	13.5%	1 920.7	0.3%	0.4%	0.5%	0.5%	0.5%	1.7%	1.7%
Kenya	Africa	255 260	5 335	1 549	0.0%	0.5%	24.6	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	2.

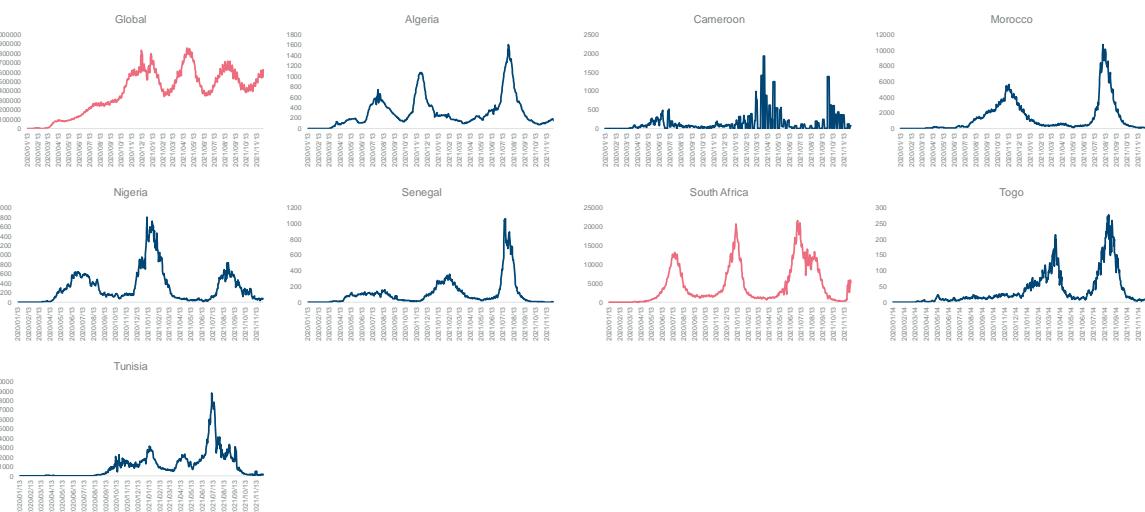


We used recovery data from <https://www.coronatracker.com/analytics/> as recovery data from Bloomberg displayed significant lag. \*Please note that the number of active cases in France are much higher than its neighbouring countries, the French government defines and reports recoveries as the number of people that have been hospitalised and have left the hospital i.e., this is the number of recoveries only among people who underwent treatment in a hospital.

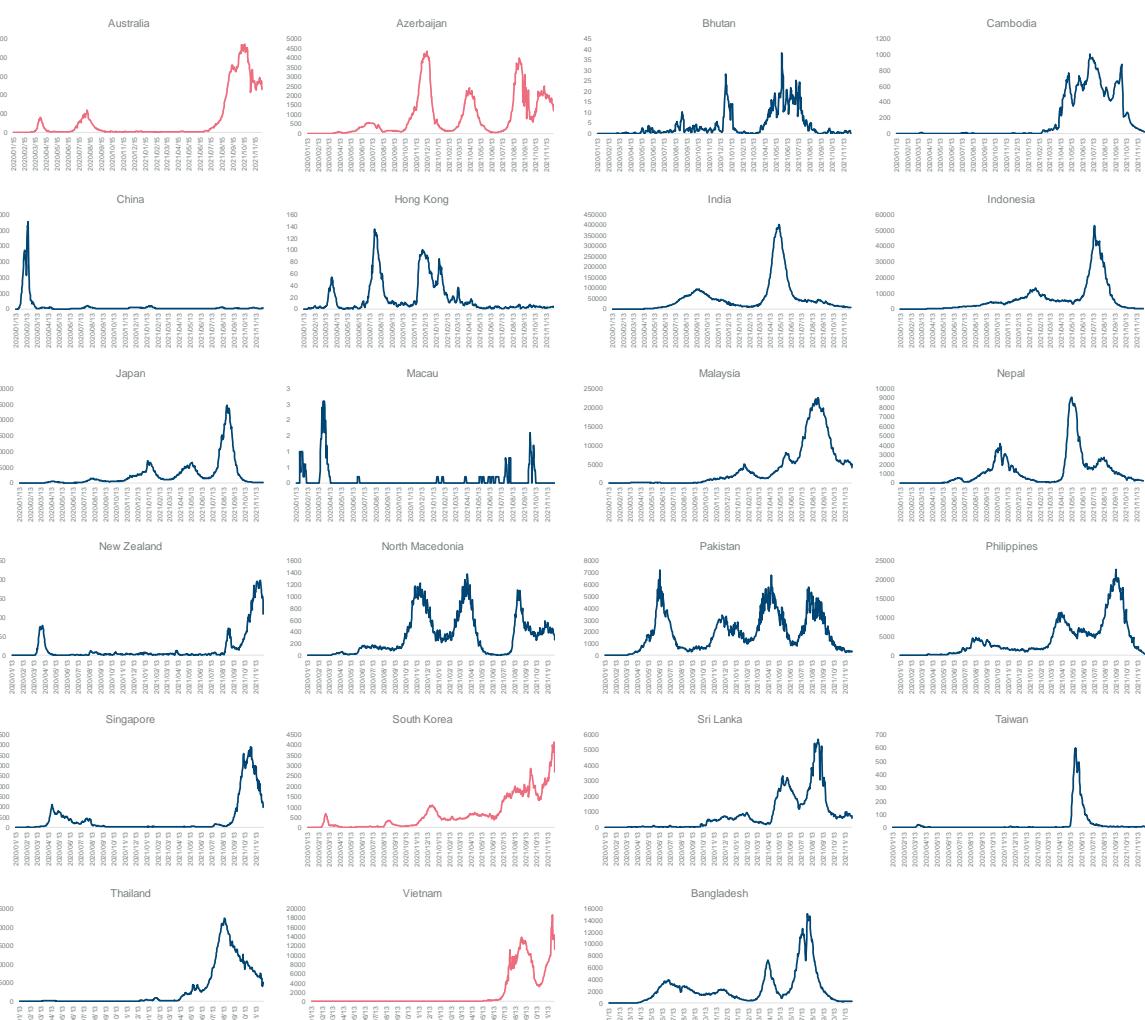


### Rolling 5 day average of new cases (grouped per region):

Global and Africa

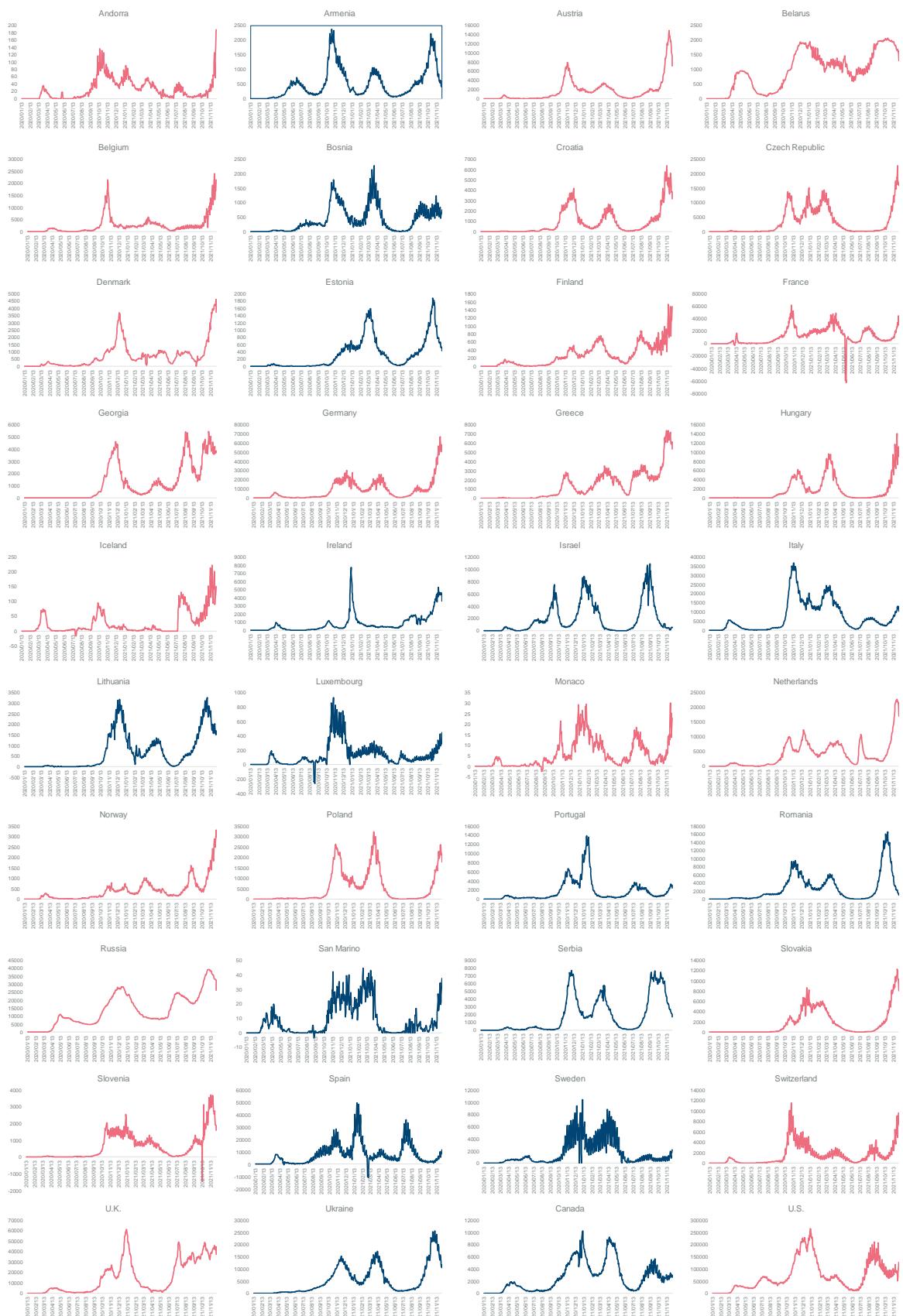


Asia and Pacific



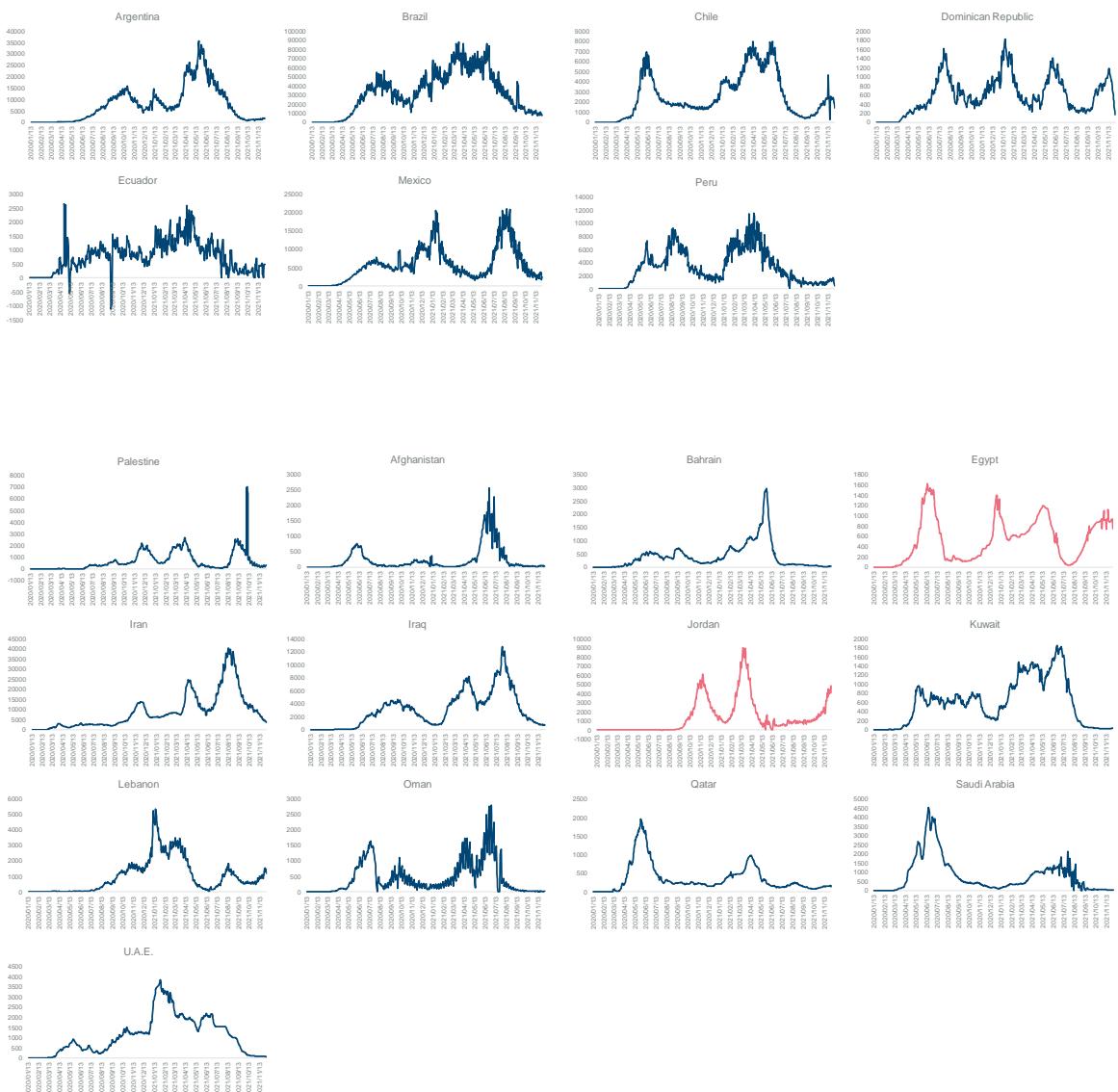


Europe and North America





LATAM



Middle East



### Vaccine tracker (top 30 countries by number of doses administered):

Countries and regions	Doses administered ▼	Doses per 100 people	% of population			Daily rate of doses administered
			given 1+ dose	fully vaccinated	booster dose	
Global Total/	8,095,029,854	-	-	-	-	36,914,066
Mainland China	2,516,380,000	179.7	87.5	79.3	-	8,537,571
India	1,257,592,793	92.0	57.9	33.2	-	7,783,162
EU	648,356,609	145.9	71.4	68.8	10.8	2,792,300
U.S.	462,263,845	139.2	70.4	59.4	12.6	979,814
Brazil	310,770,495	147.9	78.1	70.7	8.0	1,009,832
Indonesia	238,828,284	89.5	52.5	36.2	-	1,287,132
Japan	197,329,920	156.4	79.1	77.3	-	127,066
Mexico	132,840,902	104.1	60.4	51.0	-	237,910
Russia	128,735,921	87.7	45.7	38.9	3.1	714,674
Germany	124,401,062	149.7	71.6	68.7	13.5	696,680
Pakistan	124,054,300	60.6	39.5	24.8	-	325,188
Vietnam	122,083,464	126.6	73.8	52.8	-	1,511,169
Turkey	120,516,813	144.9	67.7	60.7	16.5	114,006
U.K. +	116,467,922	174.4	76.4	69.5	23.8	428,565
France	106,416,640	164.2	80.2	78.5	13.4	393,547
Iran	104,781,077	125.8	68.9	56.9	1.1	225,685
Bangladesh	99,871,848	60.0	37.1	22.2	-	1,098,959
Italy	96,951,797	160.6	78.3	74.8	11.8	337,590
Thailand	93,753,156	134.7	69.4	59.6	4.9	469,172
Philippines	89,070,292	83.0	41.5	34.4	0.4	1,505,991
South Korea	85,609,485	165.6	82.4	79.5	6.5	254,052
Spain	76,899,564	165.4	82.5	80.9	11.0	189,487
Argentina	68,874,746	153.3	81.8	66.8	4.7	301,303
Canada +	60,816,867	162.1	79.9	76.9	-	84,211
Colombia	57,521,265	114.2	74.1	48.8	-	362,687
Malaysia	53,517,981	164.3	79.3	77.9	7.4	172,968
Morocco	48,851,348	137.3	68.9	68.4	-	18,879
Saudi Arabia	47,449,878	139.2	72.2	65.9	-	29,772
Poland	42,033,071	110.7	55.0	53.9	8.2	147,299
Peru	41,843,357	126.2	67.8	55.7	2.7	261,691
Chile	40,995,489	214.6	88.3	84.5	44.8	101,795
Egypt	40,644,158	40.9	26.1	15.4	-	349,741
Australia	39,386,849	154.3	78.5	73.9	1.8	93,428
Uzbekistan	33,672,515	101.3	52.6	17.7	-	238,320
Taiwan	31,810,156	134.8	77.4	57.4	-	268,248
Sri Lanka	29,687,682	136.2	73.1	63.1	-	6,610
Cambodia	28,774,496	174.5	85.8	81.1	13.9	37,712
Cuba	28,434,067	250.9	89.7	81.3	-	70,260
Myanmar	28,100,411	53.2	31.2	19.8	-	318,748

The data is sourced from Bloomberg, unless stated otherwise.



MENTENOVA

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