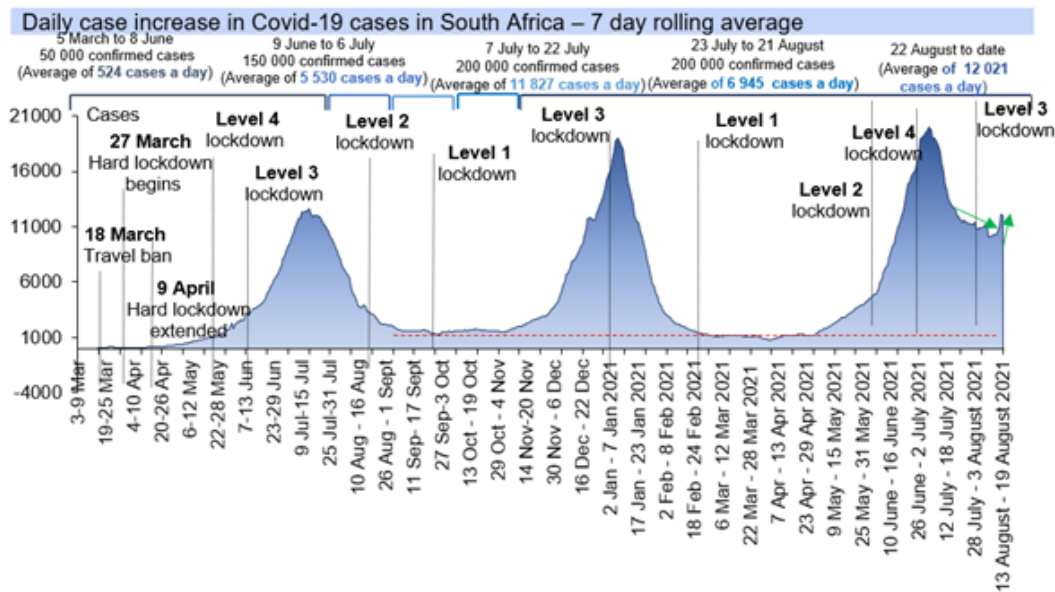


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Friday 20 August 2021

COVID-19: the third wave in South Africa has proved volatile, dipping materially last week but spiking up this week, as the Western Cape and KZN climb on the highly contagious delta variant with fatalities elevated as well

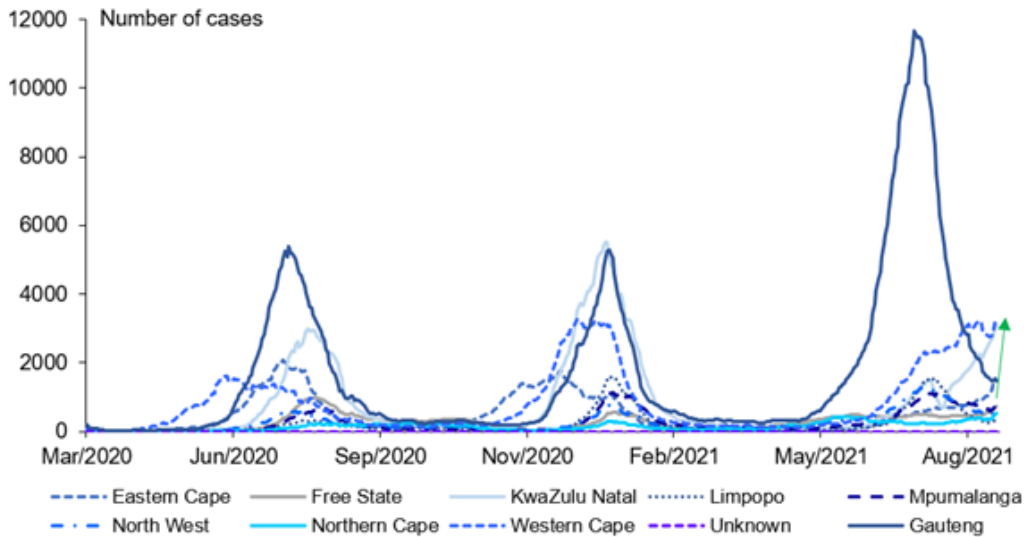


Source: National Department of Health

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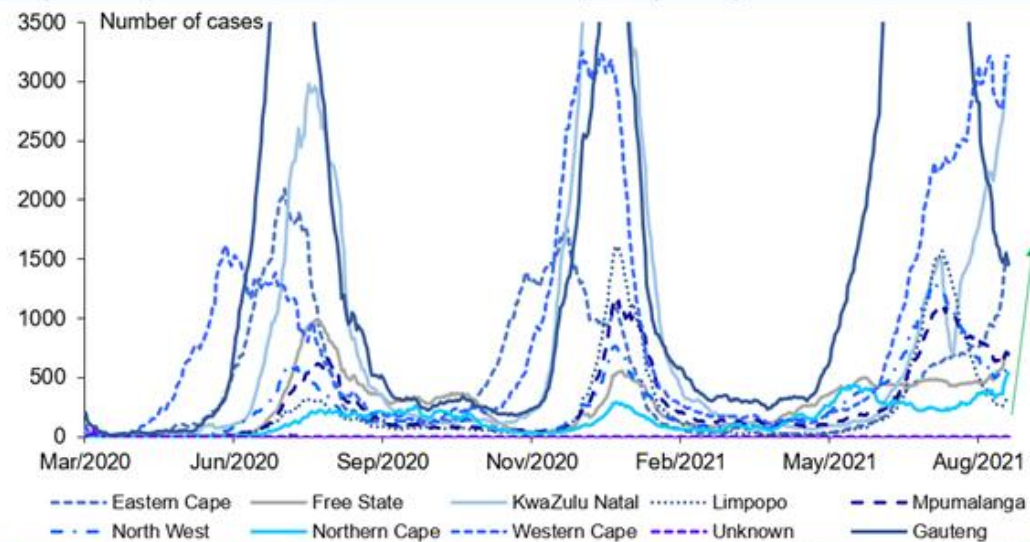


Regional daily case increase in Covid-19 cases – 7 day rolling average



Source: National Department of Health

Regional daily case increase in Covid-19 cases – 7 day rolling average – first 3 500

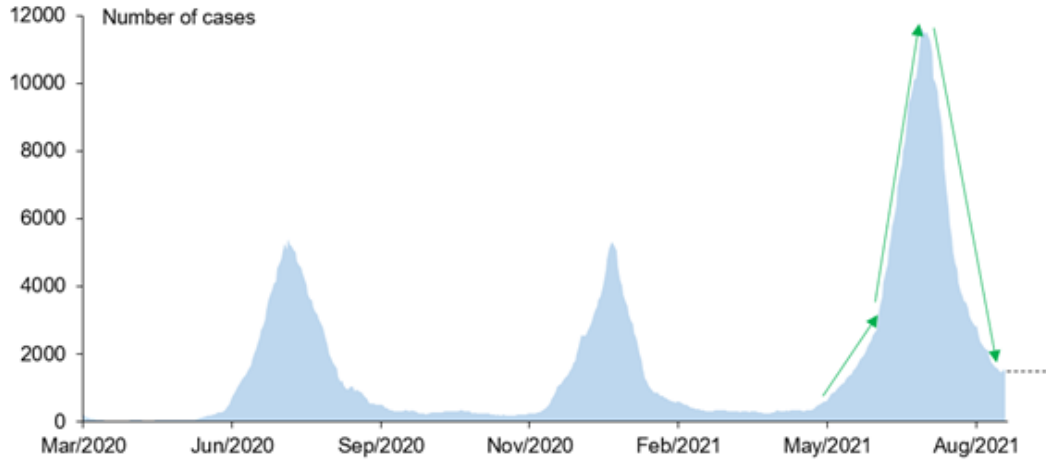


Source: National Department of Health

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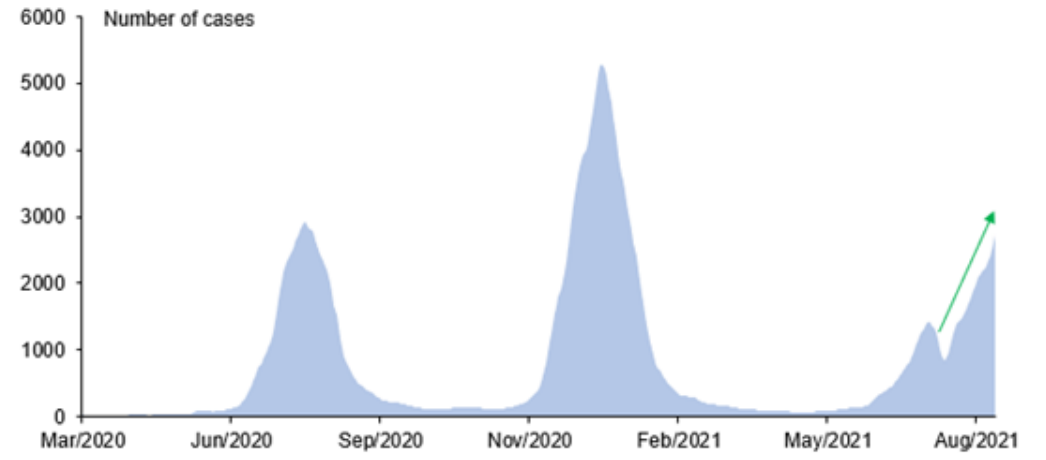


Daily new cases in Gauteng with 7 day rolling average – 19 August 2021



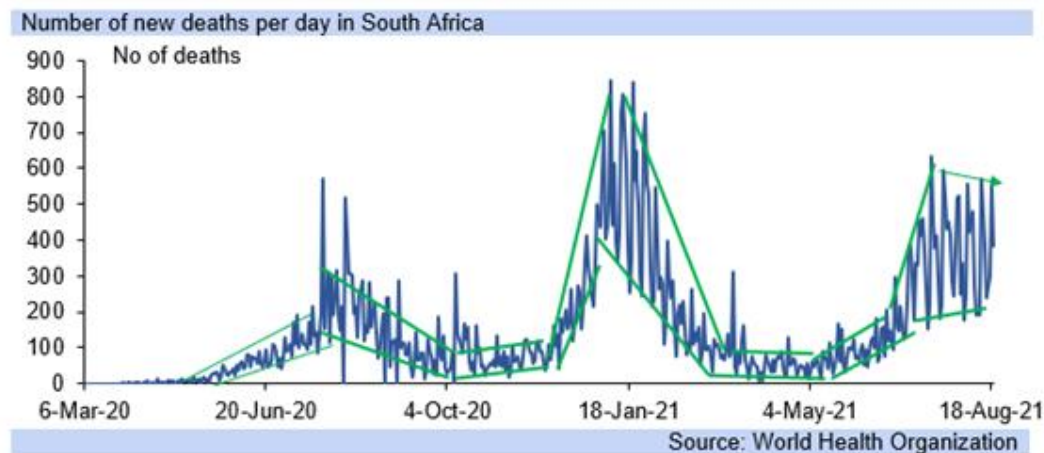
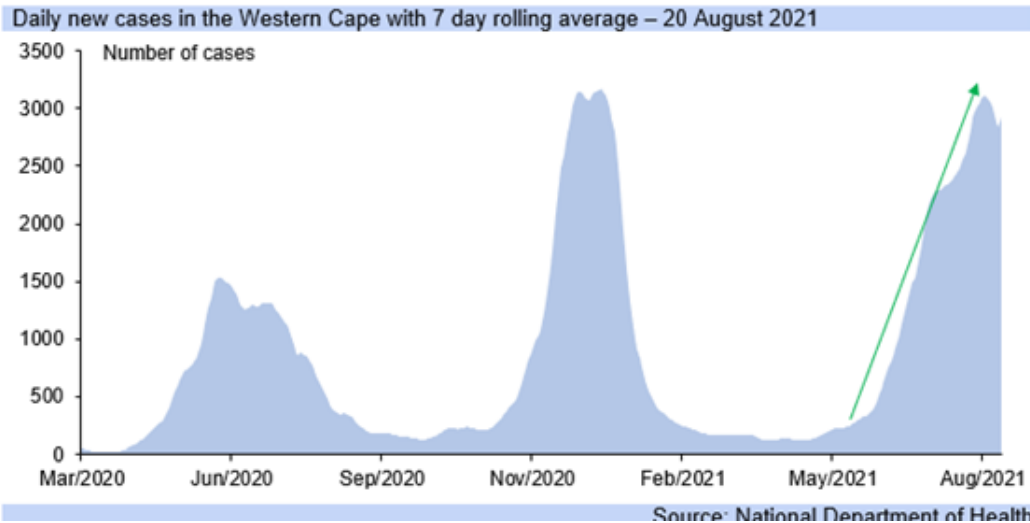
Source: National Department of Health

Daily new cases in KwaZulu Natal with 7 day rolling average – 20 August 2021



Source: National Department of Health

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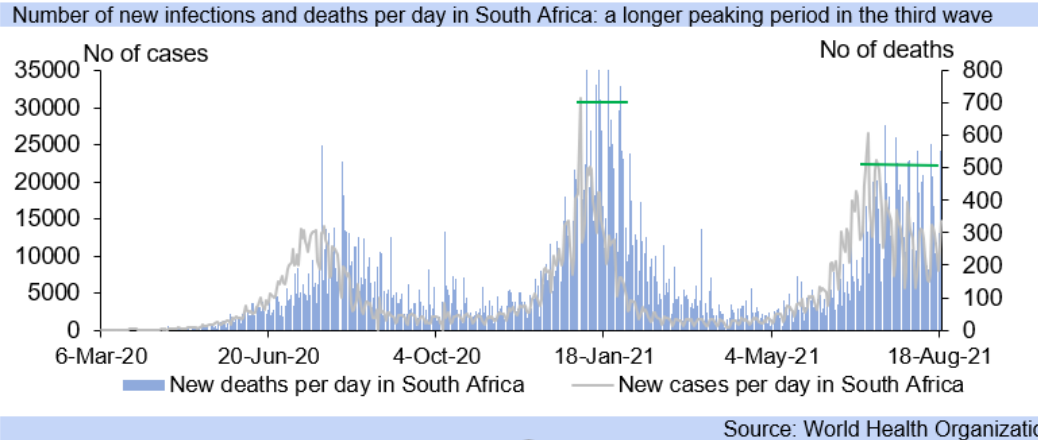
- South Africa's seven day rolling average of new daily cases of COVID-19 infections has risen sharply, to 12 021 from 10 187 a week ago, now back at the level of the last week of July, as the third wave continues to prove uneven through provinces.
- The risk is that this national spike gains momentum, with the Eastern Cape now showing worrying evidence of following the Western Cape. The Northern Cape and Free State, also neighbouring provinces, are seeing a steepening in their curves.
- Limpopo and Mpumalanga are showing a small upturn, having followed Gauteng in their initial third waves. The country has officially recorded 2.7million cases of COVID-19 since early last year, out of a population of 60 million.

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- KZN also replicated Gauteng’s third wave to a lesser extent as Mpumalanga and Limpopo did, and then embarked on a more rampant second leg of its third wave, which is the risk for the other provinces.
- Fatalities from COVID-19 are particularly elevated in the Western Cape, and seeing a protracted and severe trajectory, with the initial slow rollout of the vaccine nationally heavily to blame, along with vaccine hesitancy circulating as well through SA and globally.
- So far, South Africa has administered 10.2million vaccines and has a 10.4% coverage rate of its population, i.e. the number of doses required for each type of vaccine administered to provide full coverage (Bloomberg).
- The opening up of the vaccine to the age group 18 to 34 has seen huge take up today as ‘pro-vaxxers’ desperate to get jabs join many long queues in relief to get the potentially life saving vaccination, a necessity given the virulence of the delta variant.
- With far too many deaths, COVID-19 fatalities are recorded at 78 694 officially but health experts in the field estimate it may be three times this, getting a longed for vaccine shot raises sentiment enormously for those vaccinated and is positive for the economy and SA’s outlook.
- Despite quickening its vaccination pace over the last few months, South Africa is nevertheless at a dangerously low vaccination rate in order to effectively combat the highly contagious delta variant that is driving its third wave, and saw too slow a start its vaccination.

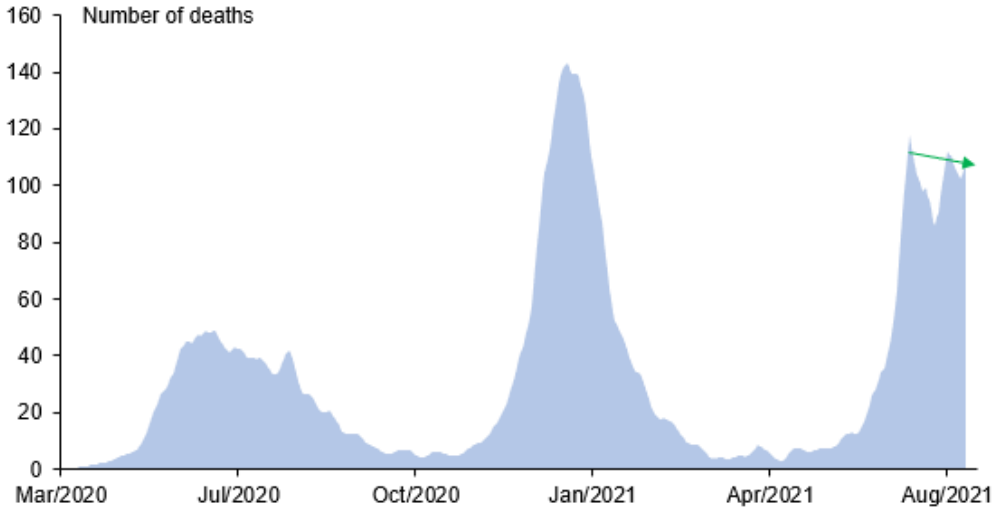
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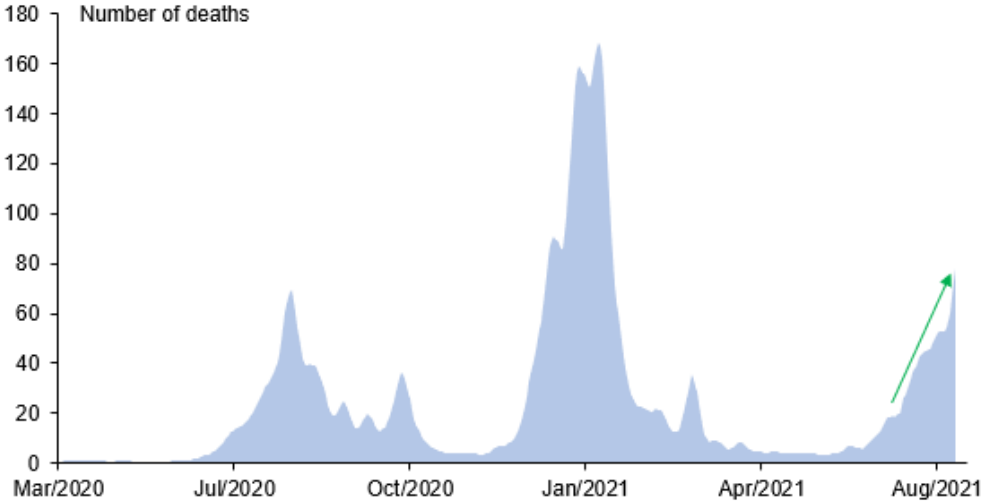


Daily new deaths in the Western Cape with 7 day rolling average – 20 August 2021



Source: National Department of Health

Daily new deaths in KwaZulu Natal with 7 day rolling average – 20 August 2021

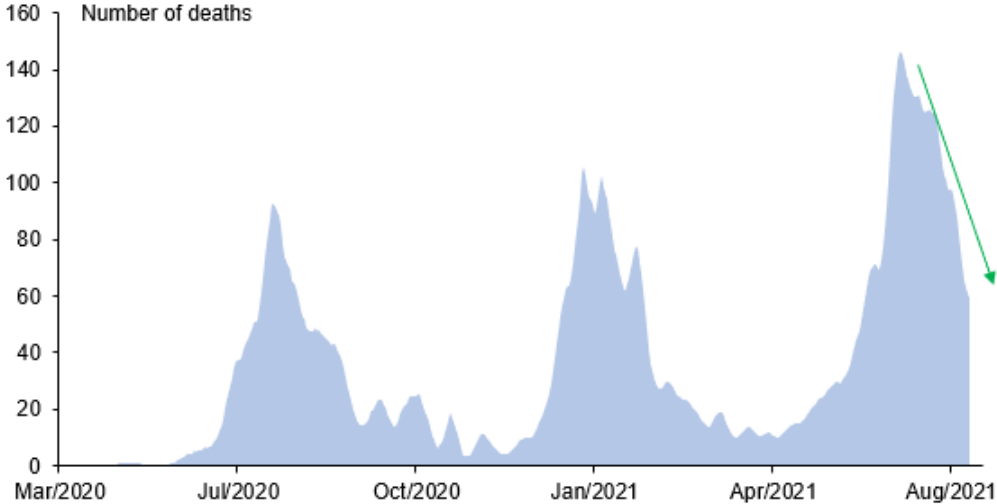


Source: National Department of Health

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Daily new deaths in Gauteng with 7 day rolling average – 20 August 2021



Source: National Department of Health

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Global Vaccination Campaign					
Country	No. of doses administered	Enough for % of people	Given 1+ dose	Fully vaccinated	Daily rate of doses administered
<i>Global Total</i>	4,858,709,370	–	–	–	37,279,555
Mainland China	1,900,127,000	67.9	–	55.5	11,412,714
India	566,488,433	20.7	32.0	9.1	6,116,773
EU	512,372,276	57.7	63.1	56.1	1,872,939
U.S.	359,623,380	56.2	60.2	51.1	823,355
Brazil	168,157,560	41.0	58.0	24.3	2,503,206
Japan	114,664,353	45.4	51.3	39.6	1,083,255
Germany	98,706,065	59.4	63.7	58.3	337,111
U.K.	88,617,595	66.3	71.1	61.6	204,737
Turkey	87,187,648	52.4	54.5	41.4	793,871
Indonesia	86,880,965	16.3	20.7	11.0	1,244,270
France	82,601,608	63.7	72.2	62.0	368,961
Mexico	78,765,073	30.9	43.4	23.4	566,042
Russia	75,404,846	25.7	28.1	22.6	923,834
Italy	74,556,087	61.8	68.1	59.6	197,418
Spain	62,665,513	67.4	75.9	65.8	316,534
Canada	52,042,035	69.3	72.3	62.7	128,499
Pakistan	44,736,977	10.9	17.5	6.3	581,838
Argentina	37,781,963	42.0	59.9	24.1	249,133
Poland	35,621,237	46.9	49.9	48.2	61,639
South Korea	35,118,454	34.0	47.0	20.9	725,552
Saudi Arabia	33,234,504	48.8	62.1	35.3	279,448
Colombia	32,463,196	32.2	41.6	27.6	187,701
Malaysia	29,886,548	45.9	54.1	36.0	499,663
Morocco	29,303,420	41.2	47.7	34.7	281,323
Philippines	29,127,240	13.6	15.1	12.0	428,534
Chile	26,785,123	70.1	74.6	68.3	49,793
Thailand	25,167,060	18.1	27.5	7.9	411,177
Netherlands	22,486,836	65.3	69.1	61.1	75,917
Bangladesh	22,166,720	6.7	9.7	3.7	281,177
Iran	19,894,523	11.9	18.6	5.3	525,830
UAE	17,566,410	81.7	76.5	67.5	39,727
Sri Lanka	17,143,378	39.3	54.9	22.7	261,807
Peru	16,557,999	25.0	28.2	21.7	133,213
Cambodia	16,514,969	50.1	56.2	45.9	236,390
Australia	16,201,270	31.7	40.2	22.0	246,421
Belgium	15,733,985	68.7	72.6	67.7	44,524
Vietnam	15,518,869	8.0	14.5	1.5	488,579
Ecuador	15,516,237	44.9	57.7	32.2	238,237
Portugal	13,791,078	67.1	77.0	66.3	95,290
Israel	12,557,890	69.4	64.9	60.0	77,108
Cuba	12,287,005	54.2	43.0	26.9	183,597
Uzbekistan	12,103,334	18.2	25.8	4.2	135,279
Sweden	11,813,517	57.2	63.9	49.1	70,056
Hungary	11,167,215	57.1	58.3	56.3	5,617
Greece	11,101,460	51.8	54.8	51.9	23,561
Kazakhstan	11,096,951	29.8	33.2	25.9	84,797
Czech Republic	11,090,083	52.1	54.9	50.9	36,724
Dominican Republic	10,743,683	51.9	54.9	47.7	23,173
Ukraine	10,731,749	12.9	18.7	7.0	163,250
Austria	10,245,849	57.8	61.1	57.1	23,596
South Africa	10,167,749	10.4	13.1	7.6	140,285
Taiwan	9,985,997	21.2	39.2	3.1	78,966
Romania	9,640,934	24.8	26.5	25.8	11,735
Switzerland	9,329,591	54.6	56.4	50.8	19,533

Source: Bloomberg Vaccine Tracker, 19 August 2021

Note: Population coverage accounts for the number of doses required for each vaccine administered. The daily rate is a 7-day average; for countries that do not report daily, the last-known average rate is used.

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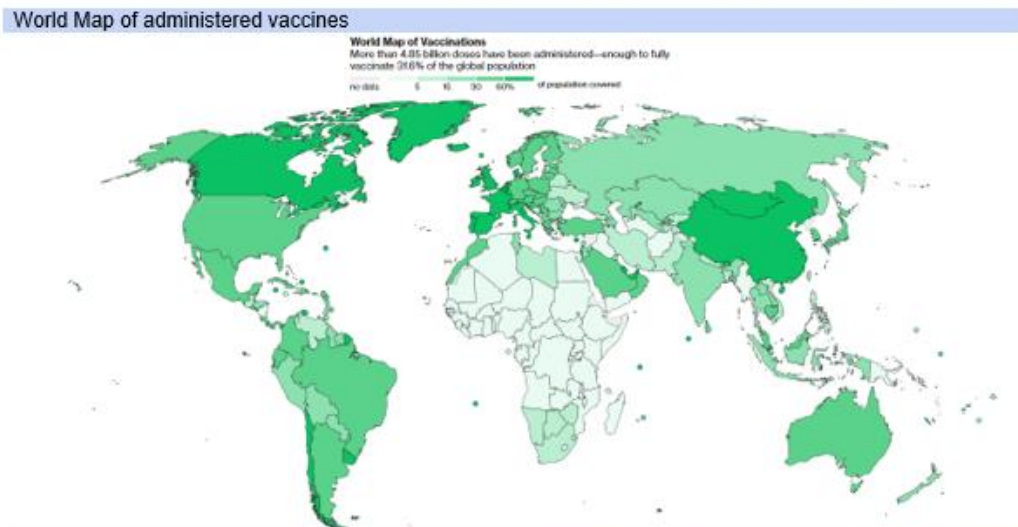


Global Vaccination Campaign (continued)					
Country	No. of doses administered	Enough for % of people	Given 1+ dose	Fully vaccinated	Daily rate of doses administered
Singapore	8,547,113	74.9	79.0	73.1	57,163
Nepal	8,526,673	15.0	16.8	12.8	144,415
Denmark	8,294,775	71.4	75.0	67.9	47,087
Hong Kong	6,881,098	45.7	51.3	40.2	62,010
Ireland	6,499,009	65.6	71.9	64.0	37,382
Egypt	6,477,535	3.3	4.3	2.2	145,397
Finland	6,354,388	57.6	70.5	44.6	43,476
Norway	6,187,431	57.8	70.7	44.8	50,581
Jordan	5,999,613	29.8	32.8	26.3	45,019
Azerbaijan	5,932,734	29.7	35.3	24.1	46,449
Serbia	5,653,169	40.6	41.4	39.8	6,263
El Salvador	5,417,193	42.0	51.2	32.7	66,600
Bolivia	5,215,804	22.6	29.2	18.5	48,101
Uruguay	5,214,574	74.1	75.1	69.3	33,913
Tunisia	4,782,139	20.3	29.3	13.8	149,712
Venezuela	4,678,086	8.4	13.0	4.0	61,644
Slovakia	4,497,928	41.3	42.9	38.8	11,511
Mongolia	4,254,734	64.5	67.4	61.7	5,269
Qatar	4,202,478	75.2	80.3	69.2	23,418
Algeria	4,146,091	4.8	7.9	1.7	25,604
Nigeria	3,967,013	1.0	1.3	0.7	1,002
Costa Rica	3,848,155	37.9	58.1	17.7	34,108
Panama	3,583,003	42.5	62.1	22.8	56,554
Zimbabwe	3,542,340	11.9	14.7	9.1	75,000
Myanmar	3,500,000	3.3	3.5	2.9	3,666
Guatemala	3,423,977	9.7	15.9	3.5	78,127
Laos	3,371,785	23.5	25.5	21.6	75,058
Honduras	3,292,889	16.9	23.8	9.9	115,776
Paraguay	3,278,382	22.9	31.5	14.4	69,237
Croatia	3,182,592	39.1	41.4	38.3	4,813
Lithuania	2,989,653	53.7	57.0	50.4	36,805
Oman	2,951,658	35.2	51.4	19.0	36,875
Belarus	2,684,863	14.2	15.8	12.5	20,445
Lebanon	2,624,507	19.1	33.2	18.4	14,498
New Zealand	2,610,855	26.5	33.6	19.4	38,341
Iraq	2,486,134	3.2	2.1	1.3	77,255
Bahrain	2,436,360	82.1	76.1	72.4	4,743
Kuwait	2,380,000	25.1	56.2	19.4	12,990
Ethiopia	2,326,531	1.2	2.4	-	5,098
Kenya	2,221,704	2.3	2.9	1.6	42,803
Bulgaria	2,188,957	15.7	15.8	15.8	7,186
Tajikistan	1,967,958	10.6	18.9	2.3	84,049
Slovenia	1,831,653	45.3	46.7	41.9	5,603
Afghanistan	1,809,517	2.4	2.1	0.6	21,139
Angola	1,727,488	2.9	3.3	2.4	4,557
Mozambique	1,487,560	2.4	2.9	1.8	14,462
Senegal	1,451,106	4.4	6.8	2.1	13,002
Latvia	1,441,509	37.5	42.8	38.0	4,358
Albania	1,340,339	23.4	26.7	20.0	8,892
Mauritius	1,297,090	51.2	56.9	45.5	9,903
Ghana	1,271,393	2.1	2.9	1.3	761
Ivory Coast	1,246,309	2.4	4.7	0.7	11,560
Uganda	1,235,052	1.6	3.1	<0.1	15,851
Estonia	1,224,290	46.2	52.9	43.6	4,884

Source: Bloomberg Vaccine Tracker, 19 August 2021

Note: Population coverage accounts for the number of doses required for each vaccine administered. The daily rate is a 7-day average; for countries that do not

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Source: Bloomberg Vaccine Tracker, 19 August 2021

Note: "Population covered" divides the doses administered by each vaccine type by the number of doses required for full vaccination. Data gathered from government agencies, public statements, Bloomberg interviews and the WHO and John Hopkins University.

- Enormous attempts are being made by both government and the private sector to increase vaccinations and overcome vaccine hesitancy, which is still plaguing the rollout amongst vulnerable age groups, if to somewhat of a lesser extent.
- In the US new cases of COVID-19 are rising rapidly, with the current death rate high from the infection rate of three weeks ago vs. the same infection rate in US's second wave of November through to March. This is despite coming off a lower base for the US's third wave.
- The US began its third wave at a lower rate of infections than its second wave, starting at a seven-day rolling average of 11 839 cases close to the end of June 2021 for its third wave, compared to a rolling average of 38 216 mid-September 2020 when its second wave started.
- The acceleration in the US's third wave of COVID-19 infections has been much steeper than in its second wave, and this has seen a steeper death tally this time around as deaths typically occur three weeks after infection, if not over a longer period.
- At a seven day rolling average, recorded COVID-19 new deaths are 3.4 times higher in the latest data, at 911 on 19th August this year, than a month ago on 19th of July 2021 when they were at 267, with the 19th of July three weeks after the start of the US's current third wave
- With the US second wave starting gradually, but close to the middle of September, In the second wave, US deaths were at 826 on a seven-day rolling average on 2nd November, but at 1 623 on 2nd December, only double. (All New York times COVID-19 compiled data).

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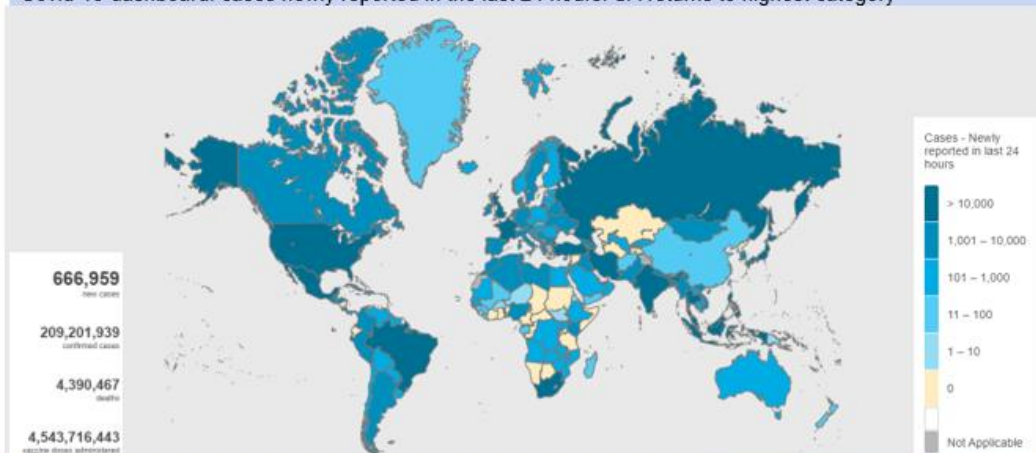
- Three weeks before that the seven-day rolling average of new COVID-19 cases was at 50 810 (12th October 2020), evidencing the slow start to the US's second wave, 1.3 times higher than in mid-September.
- The US's third wave, starting at a seven-day rolling average of 11 839 on 28th June, by 19th July was three times higher at 35 705. Perhaps the comparatively low start of the US's third wave and so lower numbers so far than second wave are not a worry for the government.
- However, the rapidity of the infection rate, the rapid increase in the death rate may become of concern at higher levels, causing more lockdown restrictions if it persists, with the US's third wave proving more virulent and faster than its second wave, and so more worrying.

Covid-19 situation in numbers (official total and new cases in past 24 hours for the 19 August 2021)

Reporting regions	Confirmed	Total confirmed new cases	Total Deaths	Total new deaths	Ratio of deaths to infections
South Africa	2 638 981	14 727	78 377	384	3.0
Region of the Americas	80 950 761	237 716	2 060 376	3 654	2.5
Globally	209 201 939	666 959	4 390 467	10 584	2.1
Eastern Mediterranean Region	13 887 897	71 684	253 687	1 239	1.8
European Region	63 114 795	168 420	1 248 497	1 607	2.0
African Region	5 385 856	25 272	128 839	638	2.4
Western Pacific Region	5 599 355	72 753	78 722	771	1.4
South-East Asia Region	40 262 511	91 114	620 333	2 675	1.5

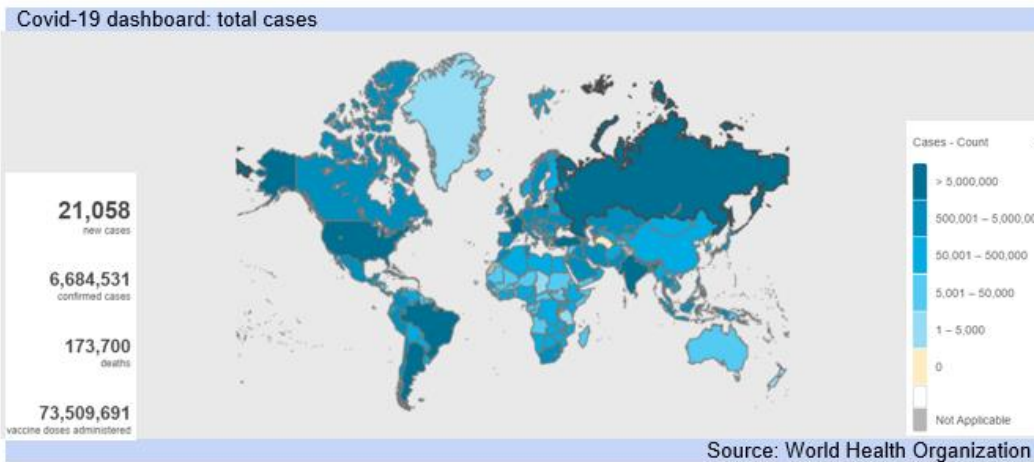
Source: World Health Organization

Covid-19 dashboard: cases newly reported in the last 24 hours: SA returns to highest category

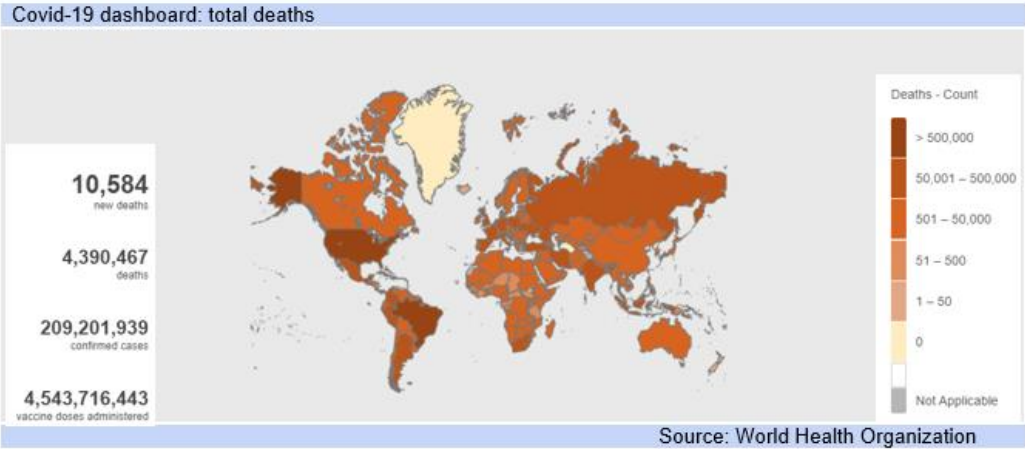


Source: World Health Organization

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Global Vaccination Campaign (continued)

Country	No. of doses administered	Enough for % of people	Given 1+ dose	Fully vaccinated	Daily rate of doses administered
Moldova	1,200,189	22.4	21.6	23.1	10,240
Rwanda	1,073,302	4.3	5.5	3.2	16,854
Cyprus	1,060,680	60.5	64.1	57.0	3,431
Bhutan	1,035,510	69.5	75.3	63.7	2,429
North Macedonia	1,033,584	24.9	27.5	22.2	16,980
Guinea	962,565	3.5	4.5	2.5	1,847
Kyrgyzstan	932,744	7.3	9.7	4.9	18,113
Libya	889,957	6.8	12.7	0.8	13,969
Georgia	883,570	11.9	16.8	6.9	23,950
Bosnia and Herzegovina	865,306	13.1	16.3	9.9	25,572
Sudan	823,881	1.0	1.5	0.4	808
Trinidad and Tobago	800,795	28.7	33.1	24.3	16,122
Malta	788,292	79.8	82.9	82.4	1,075
Malawi	768,728	1.9	2.9	1.5	11,871
Luxembourg	749,999	61.1	65.3	56.7	1,394
Fiji	745,201	41.6	59.6	23.6	7,759
Maldives	653,886	87.9	95.9	79.8	3,818
Kosovo	601,701	16.7	21.6	11.8	6,778
Nicaragua	580,127	4.4	5.9	3.0	5,306
Macau	572,119	42.1	46.3	38.1	4,121
Zambia	536,479	1.5	1.8	1.2	3,580
Iceland	510,908	71.6	77.1	73.5	3,479
Timor-Leste	491,569	19.0	27.0	11.1	6,834
Niger	485,954	1.0	1.7	0.4	8,639
Togo	474,776	2.9	4.0	1.9	1,469
Guyana	434,965	27.7	36.7	18.7	2,689
Botswana	408,023	8.6	11.0	6.8	4,285
Cameroon	395,212	0.8	1.3	0.3	3,847
Jamaica	391,076	7.2	9.4	5.0	3,017
Montenegro	367,434	29.5	31.9	27.1	2,020
-	355,000	-	-	-	223,779
Equatorial Guinea	325,449	12.0	13.8	10.1	925
Gambia	316,363	6.7	7.5	6.0	18,927
Yemen	311,483	0.5	0.9	<0.1	880
Suriname	285,217	23.9	32.6	15.2	2,650
Somalia	279,869	0.9	1.2	-	1,367
Namibia	268,556	5.5	7.6	3.3	3,930
Mali	259,719	0.7	0.9	0.5	8,860
Republic of the Congo	255,988	2.8	3.5	2.1	20,890
Mauritania	253,336	3.1	5.7	0.6	3,276
Cape Verde	236,976	21.5	36.2	6.9	4,599
Brunei	230,324	25.0	37.2	12.8	4,949
Sierra Leone	225,380	1.4	1.9	0.2	20,765
Armenia	220,236	3.7	4.9	2.5	6,052
Tanzania	218,621	0.2	-	-	22,575
Comoros	216,123	12.4	20.0	4.7	3,893
Belize	212,380	26.0	36.8	15.2	1,695
Madagascar	197,001	0.4	0.7	-	178
Barbados	188,324	32.8	35.3	30.3	1,000

Source: Bloomberg Vaccine Tracker, 19 August 2021

Note: Population coverage accounts for the number of doses required for each vaccine administered. The daily rate is a 7-day average; for countries that do not report daily, the last-known average rate is used.

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Global Vaccination Campaign (continued)					
Country	No. of doses administered	Enough for % of people	Given 1+ dose	Fully vaccinated	Daily rate of doses administered
Eswatini	181,290	8.1	10.2	10.4	32,092
Curaçao	179,876	55.2	58.2	52.2	354
Jersey	146,439	–	–	–	220
Seychelles	143,490	74.7	76.9	72.6	158
Aruba	143,030	63.9	66.8	60.9	385
Isle of Man	125,632	73.9	76.5	71.3	6
Gabon	120,627	2.9	3.5	2.3	2,270
Papua New Guinea	113,052	0.7	1.1	0.2	1,830
Samoa	111,250	27.7	39.3	16.0	1,773
Bahamas	110,443	14.5	16.5	12.5	616
Liberia	101,071	1.1	1.9	0.3	161
Greenland	100,226	87.9	122.1	53.7	722
Cayman Islands	99,635	76.6	78.3	75.0	82
Guernsey	97,600	–	–	–	185
Central African Republic	95,862	1.0	1.7	0.3	208
Andorra	91,660	59.5	66.3	52.7	86
DR Congo	86,244	<0.1	0.1	<0.1	12
Bermuda	83,297	66.1	66.8	65.4	46
Gibraltar	78,570	115.5	115.9	115.2	6
Benin	72,999	0.3	0.4	0.2	206
Lesotho	72,948	1.8	2.0	1.8	756
Burkina Faso	71,510	0.2	0.3	0.1	4,729
Antigua and Barbuda	71,434	36.8	40.4	33.2	203
Faroe Islands	69,722	71.1	73.8	68.5	190
Solomon Islands	63,320	4.9	7.6	2.3	957
Micronesia	61,469	29.6	33.1	–	432
St. Lucia	60,761	16.9	18.7	14.6	206
South Sudan	56,989	0.2	0.4	<0.1	153
Djibouti	53,064	2.5	3.0	1.9	515
Tonga	51,816	25.9	30.7	18.7	298
Turks & Caicos	49,107	64.6	67.4	61.8	84
Sint Maarten	47,084	56.1	59.0	53.1	94
San Marino	46,073	67.8	69.7	69.7	2
Saint Kitts and Nevis	44,124	38.7	42.2	35.3	32
Monaco	44,060	56.5	62.7	50.3	245
Sao Tome and Principe	43,987	10.3	15.1	5.6	1
Turkmenistan	41,993	0.4	0.6	0.2	–
Dominica	41,435	29.2	30.3	28.0	101
Chad	40,649	0.1	0.2	0.1	2,054
Grenada	39,121	17.9	20.1	15.7	50
Guinea-Bissau	30,471	0.9	1.6	0.1	262
St. Vincent and the Grenadines	28,063	12.8	15.1	10.4	79
Haiti	20,281	0.1	0.2	<0.1	748
Anguilla	18,457	61.5	63.3	59.8	44
Nauru	14,784	56.9	57.9	55.8	38
St. Helena	7,892	65.8	72.7	58.9	8
Falkland Islands	4,407	73.5	87.7	59.2	202
Montserrat	2,828	28.3	29.2	27.4	6

Source: Bloomberg Vaccine Tracker, 19 August 2021

Note: Population coverage accounts for the number of doses required for each vaccine administered. The daily rate is a 7-day average; for countries that do not report daily, the last-known average rate is used.