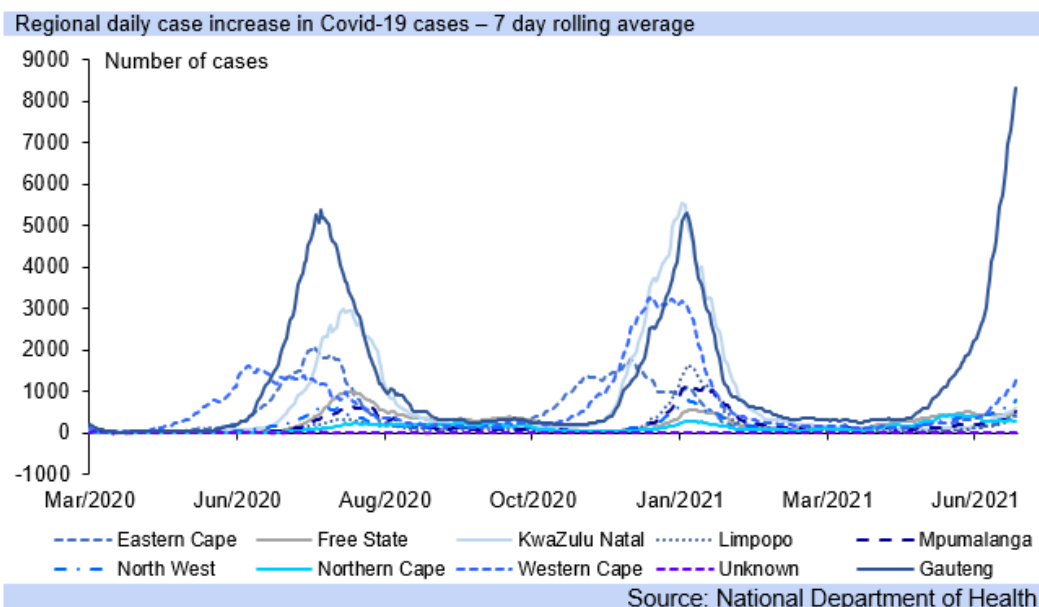
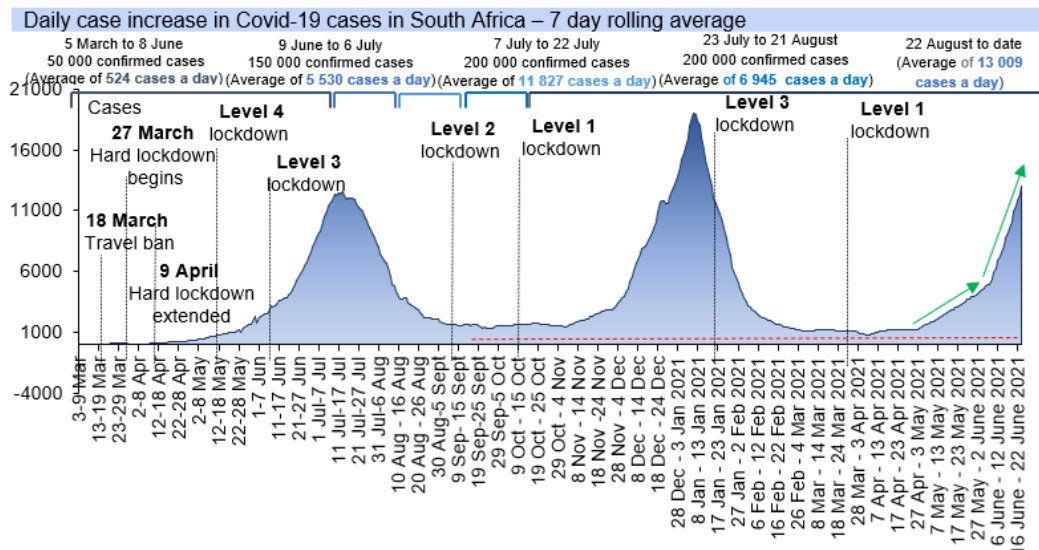


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Friday 25 June 2021

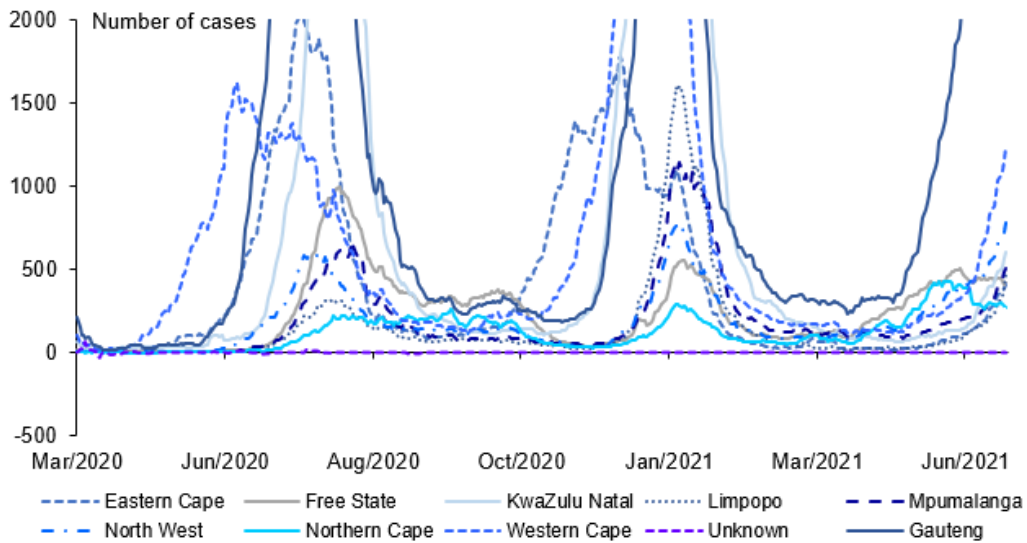
COVID-19: The third wave continues to build in SA, strongly led by Gauteng, with the Western Cape and North West Provinces following suit, with tighter lockdown restrictions for Gauteng a sensible province by province approach



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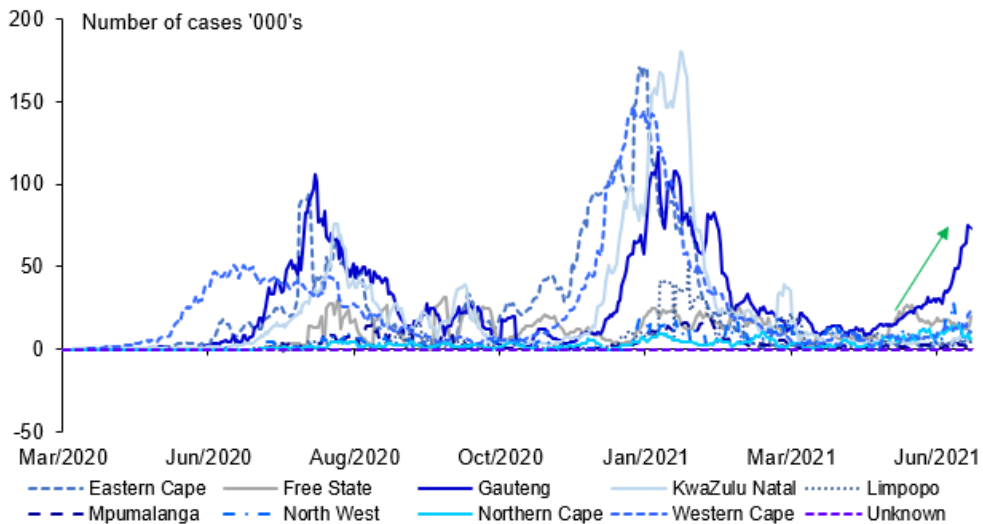


Regional daily case increase in Covid-19 cases – 7 day rolling average – first 2000



Source: National Department of Health

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

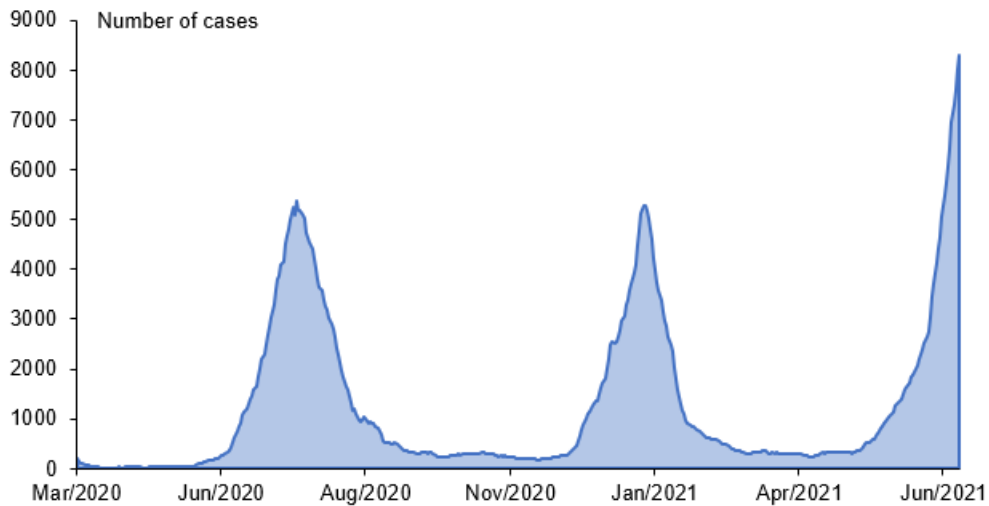


Source: World Health Organization

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Daily new cases in Gauteng with 7 day rolling average – 21 June 2021



Source: National Department of Health

- South Africa's seven-day rolling average in new COVID-19 cases is at 13 009 up from last week's 9 124, and 5 959 before that, as the third wave continues to build rapidly in South Africa, with Gauteng's caseload now at 588 009, up a massive 58 136 individuals in a week.
- Mobility data (compiled by Our World in Data) shows a rise in May 2021 on the number of visits and time spent at retail outlets and places of recreation, along with visits to grocery and pharmacy stores and people leaving their homes, tying in with the sharp rise in the third wave.
- The google data further shows that there has been a 20% drop off so far in individuals going into workplaces since the third wave began in South Africa, although this was closer to 70% last year in level 5 lockdown.
- Indeed, overall physical attendance at workplaces have remained below pre-pandemic levels overall for South Africa, evidencing that many have remained working from home since March last year, typically down by around 20%.
- The duration of time people spent at home in level five rose by close to 40% compared to pre-pandemic (February 2020), and currently is rising to 20%, from closer to 10% above February 2020's level of time in periods from level 3 restrictions with no covid waves.
- This shows that South Africans are managing their exposures to others as the waves of Covid-19 wax and wane, and that visits to parks and transit stations (public transport stations) have been curtailed in particular, although responsiveness is to a lesser extent for workplaces.
- With individuals better able to control their freedom of choice in deciding on attending parks and using public transport, as opposed to physically being in workplaces, this

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indicates more individuals would probably choose to work from home than is being allowed.

- Additionally, many visits to grocery and pharmacy stores, as well as places of entertainment and retail outlets are the travels of workers at these places. Nevertheless, there is also indication of a sharp rise in individuals shopping and visiting restaurants etc. versus level 5.
- South Africa has vaccinated 2 550 248 individuals (4.2% of its population), up from 1 974 099 a week ago. There is strong evidence of pent-up demand, which will be released into stronger economic growth on approaching herd immunity (75% of the population vaccinated).

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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>	2,808,617,063	–	–	–	42,611,827
Mainland China	1,095,902,000	39.1	–	–	21,536,000
EU	342,969,315	38.6	48.5	30.4	3,955,869
U.S.	320,687,205	50.1	53.7	45.6	816,831
India	307,246,600	11.2	18.2	3.9	5,511,527
Brazil	93,763,174	22.3	32.7	11.9	1,335,971
U.K.	75,564,430	56.6	65.4	47.8	381,796
Germany	69,516,383	41.8	52.3	33.5	837,620
France	50,921,718	39.3	50.8	31.0	578,869
Italy	48,147,074	39.9	53.8	27.8	561,287
Turkey	45,430,540	27.3	36.9	17.7	951,949
Mexico	41,368,066	16.2	22.4	13.7	445,644
Spain	38,293,871	41.2	51.8	33.6	492,646
Indonesia	38,076,742	7.1	9.5	4.8	545,419
Japan	35,788,723	14.2	19.6	8.7	1,161,762
Canada	34,011,651	45.3	65.0	13.0	468,911
Russia	33,000,000	11.2	12.3	10.2	529,412
Poland	27,512,324	36.2	43.2	31.4	289,906
Chile	21,966,892	57.5	63.9	51.0	138,713
South Korea	19,563,615	18.9	29.3	8.5	288,248
Argentina	18,921,680	21.1	33.7	8.4	249,865
Morocco	18,432,231	25.9	27.4	24.4	167,189
Saudi Arabia	16,998,050	24.9	–	–	96,985
Colombia	16,038,817	15.9	20.8	10.3	330,997
UAE	14,834,355	69.0	47.3	35.7	93,191
Netherlands	14,477,525	42.0	51.1	31.0	201,450
Pakistan	13,484,364	3.3	5.1	1.7	202,736
Israel	10,678,689	59.0	61.0	57.0	5,662
Bangladesh	10,119,041	3.0	3.5	2.6	5,624
Hungary	10,103,330	51.7	55.7	47.7	61,191
Belgium	10,033,213	43.8	57.5	32.1	142,248
Romania	8,991,259	23.2	24.1	22.8	33,999
Thailand	8,400,320	6.0	8.6	3.4	199,505
Portugal	7,856,097	38.2	47.8	28.7	108,648
Greece	7,722,093	38.0	42.9	31.0	68,225
Czech Republic	7,570,988	35.5	45.8	28.1	96,265
Sweden	7,229,002	35.0	43.6	26.4	79,608
Austria	7,125,249	40.2	51.4	30.1	82,652
Australia	6,999,198	13.7	23.2	–	111,410
Philippines	6,948,549	3.2	4.7	1.8	121,763
Peru	6,800,417	10.3	12.1	8.4	137,551
Switzerland	6,731,891	39.4	47.8	31.0	78,789
Dominican Republic	6,675,351	32.2	41.9	22.5	89,195
Malaysia	6,554,500	10.1	14.6	5.5	206,507
Cambodia	5,924,894	18.0	19.8	16.2	67,852
Serbia	5,146,241	36.9	38.7	35.2	32,378
Cuba	5,113,926	22.6	20.9	–	147,093
Singapore	5,029,006	44.1	52.1	36.1	42,203
Iran	4,968,642	3.0	4.8	1.1	29,294
Denmark	4,889,111	42.1	54.3	29.9	60,568
Kazakhstan	4,428,255	11.9	14.8	9.0	77,341
Egypt	4,138,935	2.1	3.4	0.7	55,994
Finland	3,921,189	35.5	55.6	15.5	53,890
Norway	3,799,770	35.5	42.9	28.1	46,204

Source: Bloomberg Vaccine Tracker, 24 June 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
Uruguay	3,691,706	52.5	62.0	42.8	35,383
Ireland	3,679,531	37.2	47.5	26.9	65,889
Mongolia	3,599,447	54.6	57.9	51.3	8,859
Slovakia	3,399,122	31.2	36.3	26.1	37,341
Hong Kong	3,394,594	22.6	27.3	17.8	44,861
Sri Lanka	3,345,165	7.7	11.4	–	59,279
Nepal	3,232,604	5.7	8.8	2.6	11,312
Azerbaijan	3,146,350	15.8	20.4	11.1	38,353
Ecuador	3,133,387	9.1	12.0	6.1	49,321
Nigeria	3,104,802	0.8	1.0	–	94,471
Jordan	3,099,657	15.4	20.9	9.9	66,526
Uzbekistan	3,035,784	4.6	5.4	–	42,316
Myanmar	2,994,900	2.8	3.4	2.3	112,785
Qatar	2,956,057	52.9	59.0	46.8	14,273
Ukraine	2,664,331	3.2	5.3	1.0	63,289
Vietnam	2,626,337	1.4	2.6	0.1	121,863
South Africa	2,550,248	2.6	3.9	0.8	82,307
Croatia	2,424,695	29.8	35.9	23.7	29,357
El Salvador	2,294,464	17.8	19.8	15.8	9,014
Bolivia	2,205,639	9.5	14.1	5.0	27,548
Costa Rica	2,150,520	21.2	27.8	14.6	34,906
Lithuania	2,116,008	38.0	43.9	33.8	18,699
Ethiopia	1,987,301	1.0	2.1	–	3,896
Bahrain	1,978,826	66.7	70.6	62.7	9,679
Angola	1,842,289	3.1	4.4	1.7	203,790
Taiwan	1,746,130	3.7	7.3	0.1	81,147
Bulgaria	1,695,298	12.2	13.4	11.1	10,794
Tunisia	1,661,855	7.1	10.3	3.8	28,868
Lebanon	1,617,230	11.8	17.4	11.8	29,052
Panama	1,421,046	16.8	21.7	12.3	14,806
Slovenia	1,386,073	34.5	39.1	30.8	8,287
Venezuela	1,302,992	2.3	3.9	0.5	80,433
Ghana	1,232,876	2.0	2.8	–	222
Kenya	1,201,325	1.3	2.1	–	8,062
Zimbabwe	1,146,378	3.8	4.7	3.0	4,452
Kuwait	1,120,000	11.8	–	–	40,000
Laos	1,100,013	7.7	10.0	5.4	14,720
Latvia	1,092,435	28.4	33.4	26.1	11,957
Belarus	1,068,413	5.6	7.4	3.9	20,498
New Zealand	1,019,364	10.3	13.0	7.7	15,958
Uganda	935,184	1.2	2.1	<0.1	14,604
Estonia	914,530	34.5	41.4	30.9	7,579
Albania	912,874	15.9	18.5	13.3	8,378
Guatemala	880,570	2.5	4.0	0.9	19,321
Iraq	813,493	1.0	1.4	0.7	10,325
Cyprus	768,273	43.9	51.6	36.1	5,688
Afghanistan	765,890	1.0	1.6	0.5	12,986
Ivory Coast	728,874	1.4	2.5	0.3	2,591
Mauritius	706,948	27.9	38.4	–	21,754
Moldova	667,835	12.5	15.6	9.3	10,049
Paraguay	662,804	4.6	7.6	3.4	121,951
Malta	640,729	64.9	71.6	60.6	4,409
Senegal	630,943	1.9	3.1	0.8	8,038
Sudan	629,692	0.7	1.2	–	8,483
Rwanda	578,569	2.3	2.8	1.8	4,576

Source: Bloomberg Vaccine Tracker, 24 June 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
Honduras	541,792	2.8	5.0	–	25,362
Guinea	524,765	1.9	2.8	1.1	12,506
Luxembourg	505,986	41.2	48.8	33.9	6,491
Maldives	499,609	67.2	84.8	49.5	854
Malawi	491,717	1.2	1.9	–	12,001
Bhutan	484,189	32.5	65.0	–	70
North Macedonia	471,347	11.3	13.1	9.5	5,836
Mozambique	438,382	0.7	1.1	–	3,342
Iceland	387,812	54.3	72.3	48.9	4,662
Libya	370,066	2.8	5.6	–	2,665
Togo	347,246	2.1	3.3	–	9,527
Oman	323,269	3.9	6.0	1.9	1,511
Guyana	319,096	20.3	28.6	12.0	4,072
Macau	311,919	22.9	32.4	13.7	5,454
Montenegro	281,741	22.6	24.0	21.3	1,644
Fiji	265,037	14.8	28.2	–	3,992
Equatorial Guinea	257,146	9.5	10.9	8.0	1,058
Niger	255,587	0.5	1.0	–	6,938
Yemen	251,385	0.4	0.8	–	3,883
Georgia	245,380	3.3	4.2	2.4	3,461
Madagascar	196,291	0.4	0.7	–	5,468
Trinidad and Tobago	195,540	7.0	12.1	–	6,700
Jamaica	194,315	3.6	6.0	–	2,738
Somalia	190,399	0.6	0.9	–	4,682
Timor-Leste	189,266	7.3	12.8	–	11,248
Mali	179,634	0.5	0.7	–	1,580
Nicaragua	167,500	1.3	2.6	–	82
Curaçao	163,328	50.1	53.9	46.3	431
Suriname	161,829	13.6	22.2	–	5,953
Barbados	153,350	26.7	31.3	22.1	902
Botswana	153,100	3.2	6.4	–	731
Kosovo	149,121	4.1	6.9	1.4	4,369
Zambia	147,220	0.4	0.8	–	797
Mauritania	140,701	1.7	3.3	0.2	10,588
Seychelles	137,676	71.7	73.6	69.8	48
Tajikistan	132,075	0.7	1.3	–	4,195
Namibia	132,060	2.7	4.5	0.9	2,767
Aruba	122,680	54.8	59.3	50.2	622
Jersey	119,975	–	–	–	481
Cameroon	102,400	0.2	0.3	–	1,395
Isle of Man	99,839	58.7	73.5	43.9	975
Sierra Leone	97,315	0.6	1.1	–	789
Belize	95,452	11.7	18.4	–	1,593
Cayman Islands	86,711	66.7	72.2	61.2	126
Comoros	84,360	4.8	4.9	–	57
Guernsey	78,684	–	–	–	377
Armenia	78,135	1.3	2.2	0.4	2,822
Gibraltar	78,047	114.8	115.3	114.2	21
Liberia	78,642	0.8	1.6	–	1,276
Bermuda	76,526	60.7	65.1	16.4	40
Algeria	75,000	0.1	–	–	6,248
Cape Verde	74,321	6.8	12.8	–	3,321

Source: Bloomberg Vaccine Tracker, 24 June 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
Republic of the Congo	73,410	0.8	0.7	–	1,446
Bahamas	68,119	8.9	13.2	–	848
Brunei	65,971	7.2	11.8	2.6	593
Antigua and Barbuda	60,011	30.9	36.4	–	268
Andorra	55,028	35.7	47.0	24.4	1,935
DR Congo	52,856	<0.1	<0.1	–	1,906
St. Lucia	50,869	14.1	16.6	11.7	214
Gabon	50,496	1.2	1.7	0.7	1,566
Micronesia	47,588	22.9	27.0	–	306
Faroe Islands	45,456	46.4	54.8	37.9	640
Greenland	45,034	39.5	60.7	18.3	480
San Marino	44,386	65.3	67.5	65.6	102
Turkmenistan	41,993	0.4	0.6	0.2	–
Gambia	40,810	0.9	1.3	–	1,458
Dominica	38,646	27.2	28.4	26.0	69
Papua New Guinea	38,176	0.2	0.4	–	16,772
Turks & Caicos	38,110	50.1	59.7	40.6	69
Samoa	37,572	9.3	17.4	–	1,040
Lesotho	36,837	0.9	1.8	–	1,091
Sint Maarten	36,209	43.1	48.5	37.7	310
Monaco	35,291	45.2	49.9	40.6	189
Eswatini	34,897	1.8	3.1	–	1,618
South Sudan	32,959	0.1	0.2	–	1,368
Saint Kitts and Nevis	32,804	28.8	38.8	–	250
Grenada	29,157	13.4	17.5	9.3	175
Tonga	28,667	14.3	28.7	–	370
Djibouti	26,796	1.2	1.9	–	247
Benin	26,518	0.1	0.2	–	438
Sao Tome and Principe	24,908	5.8	6.3	–	99
St. Vincent and the Grenadines	22,980	10.4	13.1	7.8	101
Solomon Islands	21,469	1.7	2.8	–	323
Guinea-Bissau	18,035	0.5	1.0	–	238
Burkina Faso	17,775	<0.1	0.1	–	–
Anguilla	15,198	50.7	61.2	18.9	37
Nauru	9,324	35.9	57.7	14.0	104
St. Helena	7,091	59.1	59.4	58.8	120
Chad	5,324	<0.1	<0.1	–	–
Falkland Islands	4,407	73.5	87.7	59.2	202
Montserrat	2,600	26.0	27.9	24.1	2
Kyrgyzstan	937	<0.1	<0.1	–	21
Bosnia and Herzegovina	–	–	–	–	–
Central African Republic	–	–	–	–	6,44
Montserrat	2,600	26.0	27.9	24.1	2
Kyrgyzstan	937	<0.1	<0.1	–	21
Bosnia and Herzegovina	–	–	–	–	–
Central African Republic	–	–	–	–	6,444

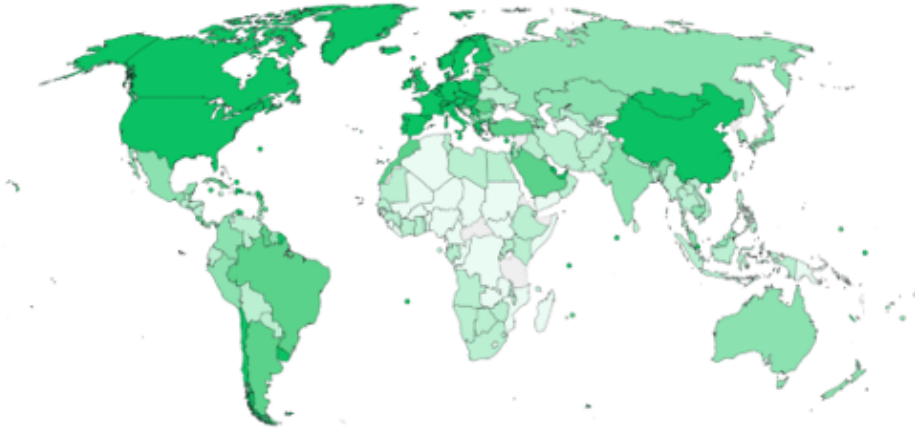
Source: Bloomberg Vaccine Tracker, 24 June 2021

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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World Map of administered vaccines



Source: Bloomberg Vaccine Tracker, 24 June 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 websites, press conferences, public statements and Bloomberg interviews.

- Comparisons to before the pandemic (January/February 2020) shows South Africans are making more physical visits to retailers and places of recreation versus individuals in the UK, Ireland, France, Germany, Austria, Spain, Italy, Brazil, India and Japan.
- While this is likely evidencing increased online activity in many of these countries compared to domestically, it likely also shows some increased restraint among these countries as well, two of which are not high-income countries.
- Middle income to high income economies in the list above have tended to show more time has been spent at home, which is typically the case for physical workplace visits as well compared to the base period (January 3rd to February 6th 2020).
- However, Google ... also note(s) that we should avoid comparing places across regions or countries; this is because there may be local differences in categories which could be misleading."
- The "dataset from Google measures visitor numbers to specific categories of location (e.g. grocery stores; parks; train stations) every day and compares this change relative to baseline day before the pandemic outbreak."
- The "anonymized data provided by apps such as Google Maps" has been used by Our World in Data to produce "a regularly updated dataset that shows how peoples' movements have changed throughout the pandemic" using a "rolling seven-day average".
- In the Western Cape, the National Department of Health (NDoH) shows the total caseload now at 313 560, up 8 722 individuals in a week (vs. 6 095 w/w the previous week), while the North West Province shows a total caseload of 89 980, up 5 444 w/w (vs. 3 967 w/w).
- The Eastern Cape shows a total caseload of 204 175, up 2 831 w/w (vs. 1 934 w/w in the previous week), the Free State's total case load is at 111 953, up 2 923 w/w (3 098 w/w),

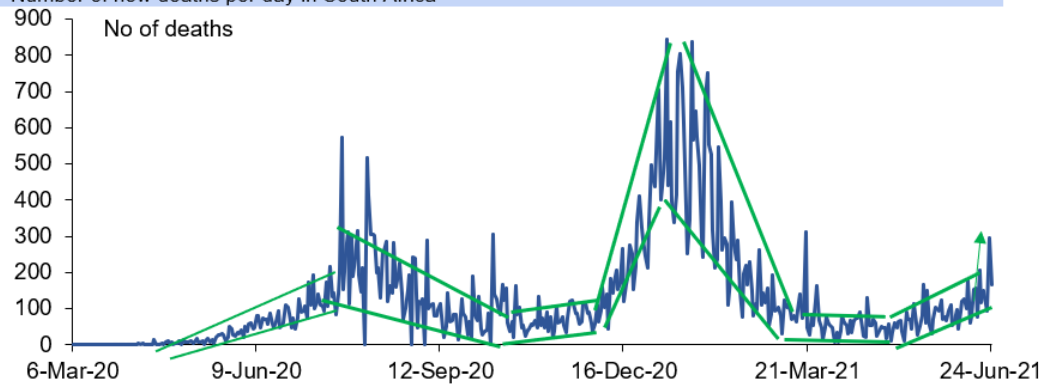
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the Northern Cape at 57 758, up 1 913 w/w (2 055) and Gauteng 58 136 w/w (vs. 40 162 w/w).

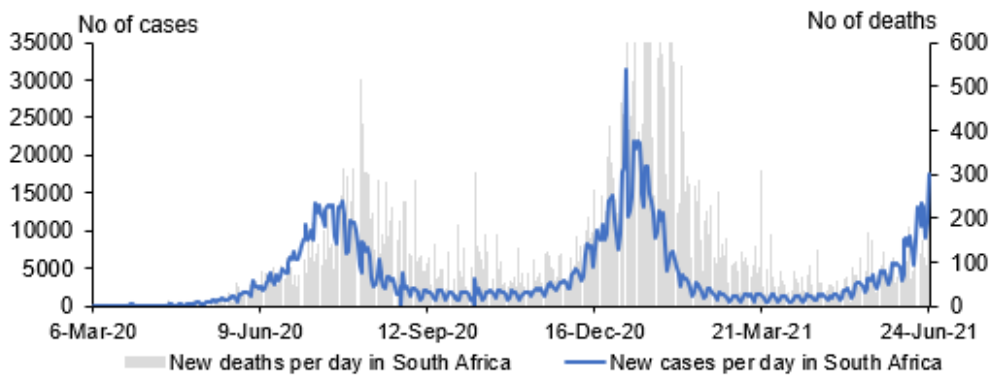
- KwaZulu Natal is at 349 301, up 4 196 w/w (versus 1 898 w/w), Limpopo at 71 691, up 3 319 w/w (vs. 1 026 w/w) and Mpumalanga at 90 716 is up 3 570 w/w (vs. 2 328 w/w). The third wave has been building in most provinces according to the NDoH data.

Number of new deaths per day in South Africa



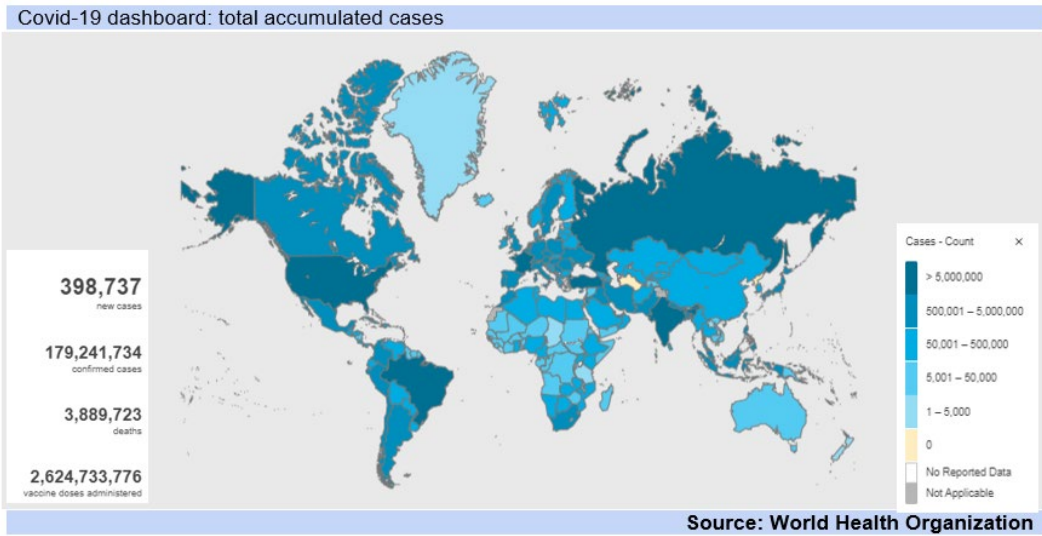
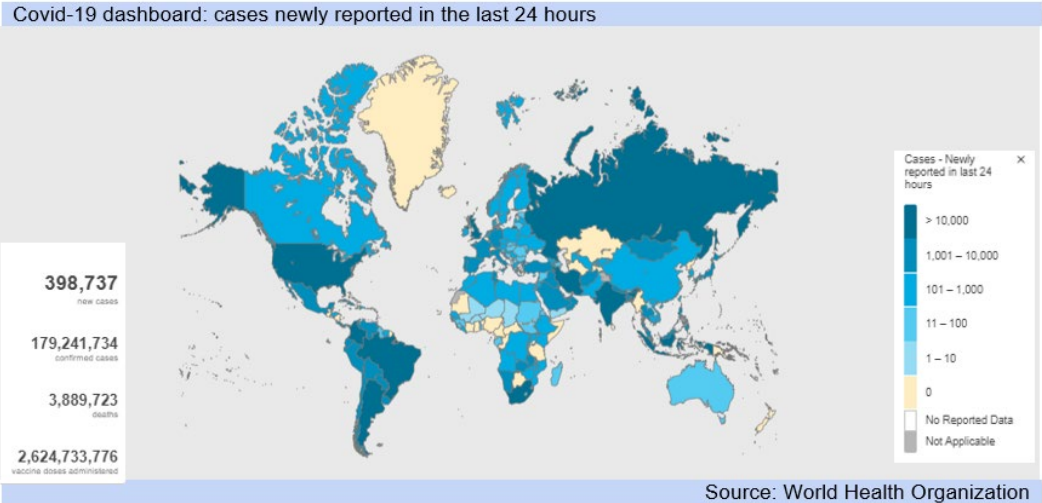
Source: World Health Organization

Number of new infections and deaths per day in South Africa

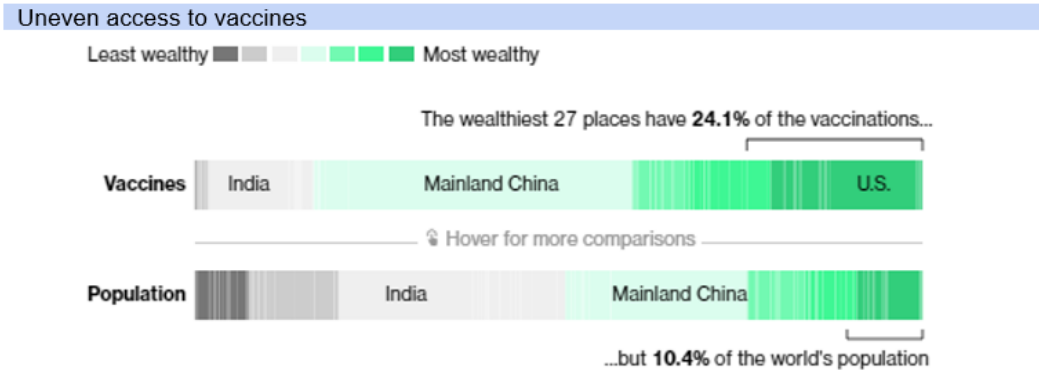


Source: World Health Organization

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Source: Bloomberg, 24 June 2021

Note: Vaccine access calculations account for the number of doses needed for full protection; some vaccines require a two-dose regimen while others require just a single dose. Countries and regions are ordered by GDP per capita (PPP).