

6<sup>th</sup> December, 2021

## Weekly Press Release

### WEEKLY COVID-19 CASE PROJECTIONS:

#### 1. Summary

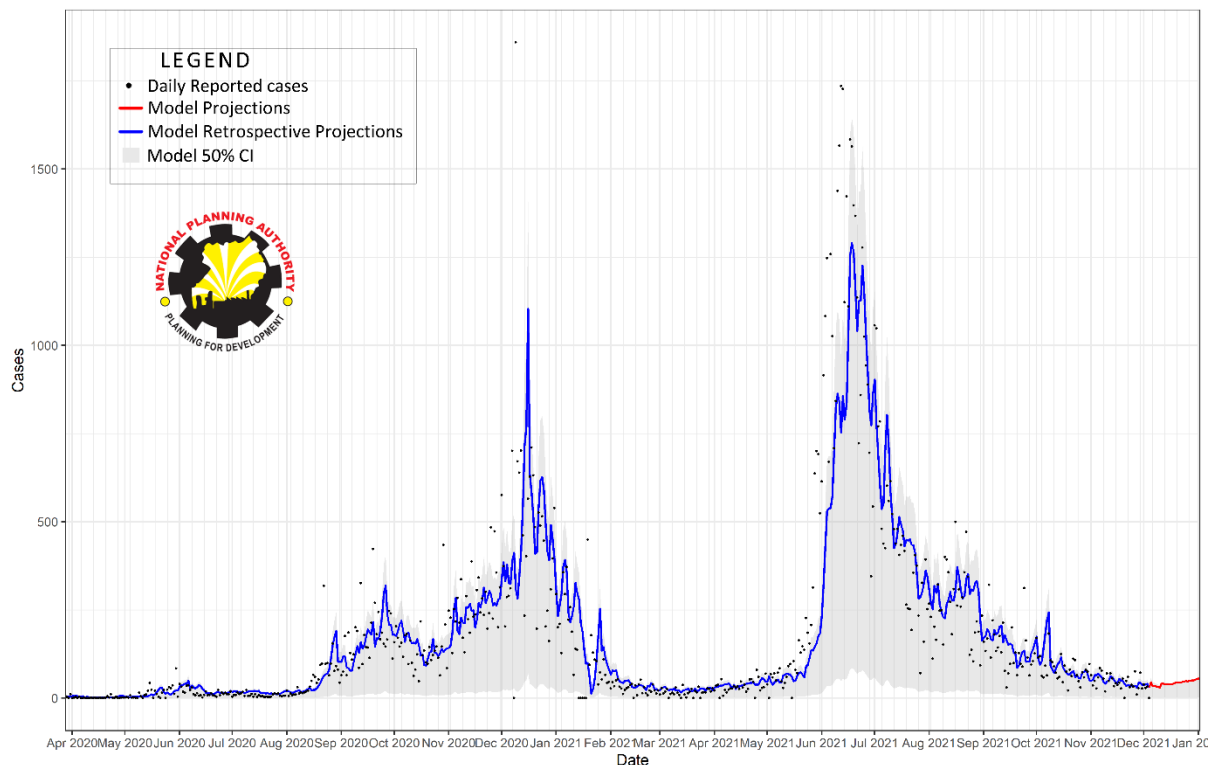
While Uganda has continued to record a low number of new cases, the trend slightly changed in the past week. The model is projecting an increase in new cases for the week of **5<sup>th</sup> to 11<sup>th</sup> December** with an average of **45 new cases** per day and a **weekly total of 312 new cases**. For the week of **12<sup>th</sup> to 18<sup>th</sup> December**, the numbers are projected to increase to a daily average of **47 new cases** and a **weekly total of 330**, **Figure 1** and **2**.

At the continental level, South Africa has experienced an increase in new COVID-19 cases, recording **62,000** new cases for the week ending **4<sup>th</sup> December**. A few other African countries recorded some increase in new COVID-19 cases including; Zimbabwe, Sudan, Mali and Swaziland, **Table 1**. **Figure 3** and **4** highlight the trend of cases in the last 2 months.

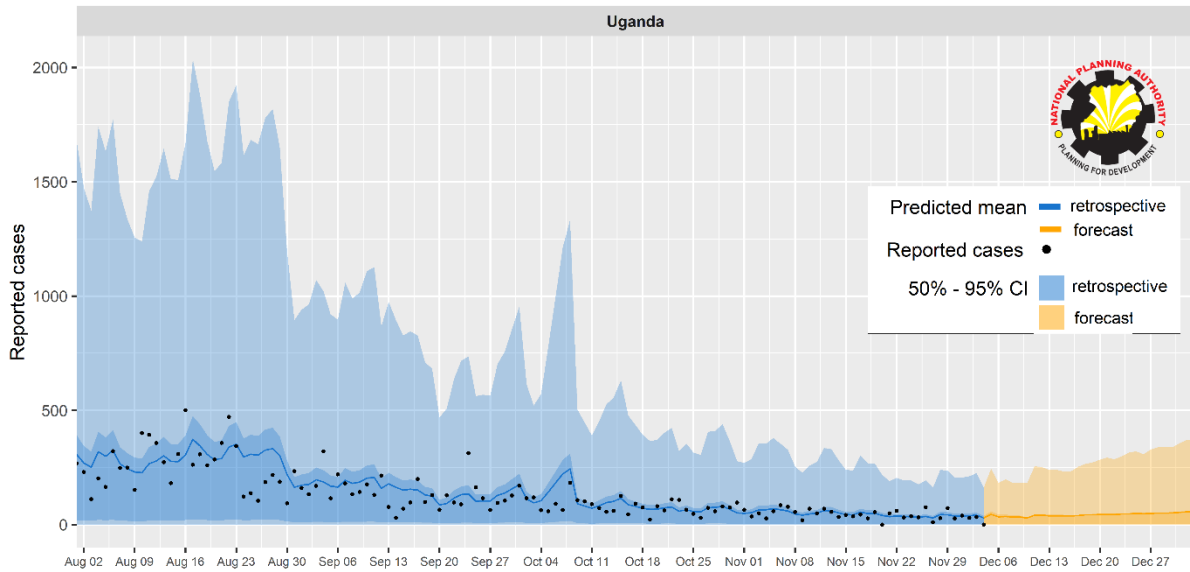
In most countries in Africa, internal factors are driving new cases with the exception of Lethoso, Benin, Republic of Congo, Central African Republic and South Sudan, where external factors are the major contributors to new cases.

At the global level, among the top 20 countries, France, Czechia, Belgium, Vietnam, Italy, Hungary, Spain and Switzerland, experienced an increase in new cases over the past 3 weeks.

UGANDA COVID-19 PROJECTED VS REPORTED CASES



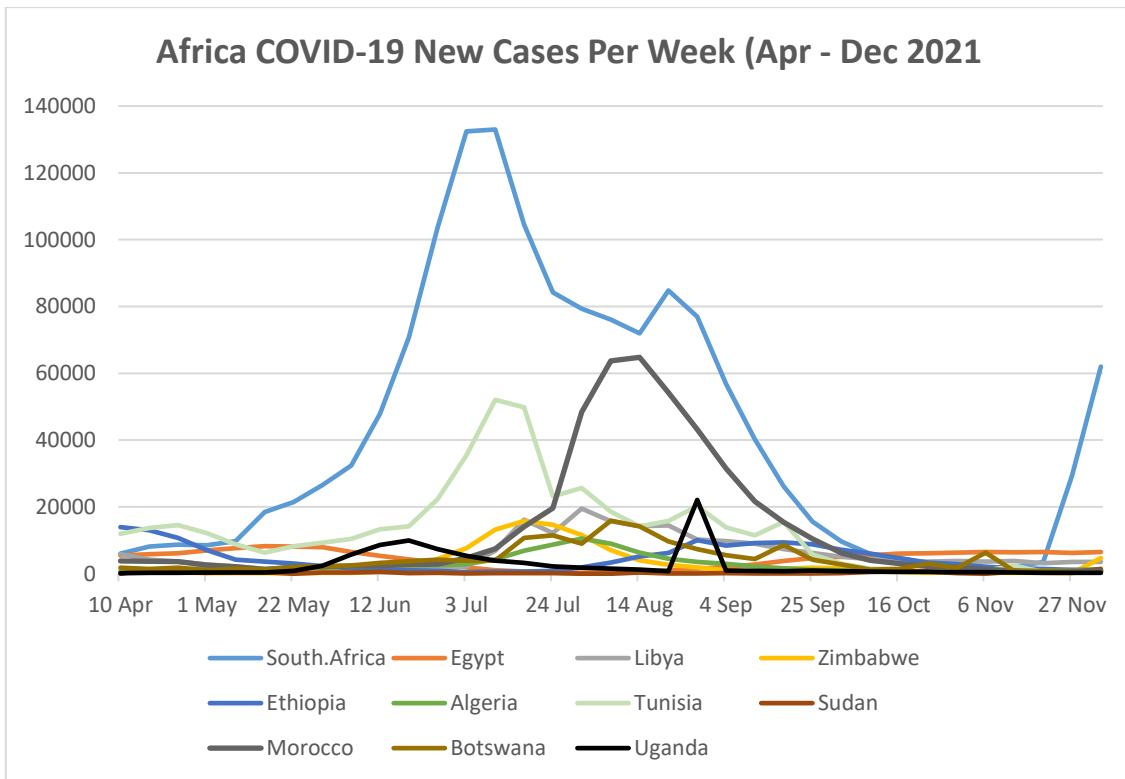
**Figure 1: Model Projections and reported cases from March 2020 to date**



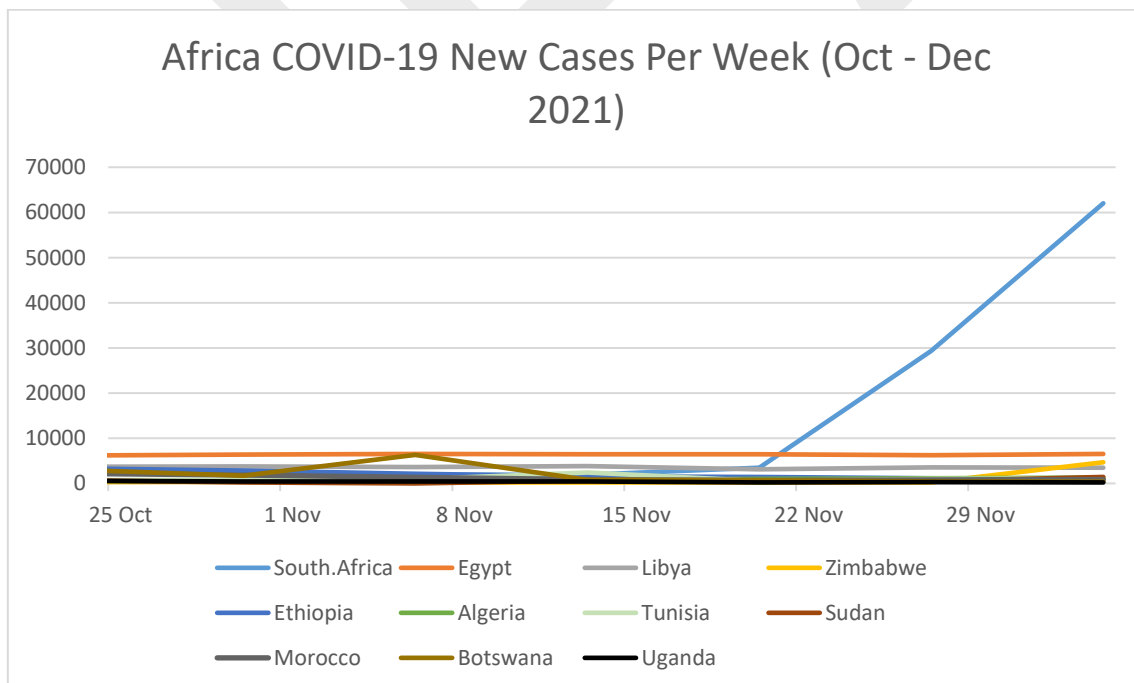
**Figure 2: Short Term Model Projections – August to December 2021**

**Table 1: Reported and projected cases for top 10 African countries**

Country	Reported Cases			Projections	
	3 Week Total (14 <sup>th</sup> Nov – 4 <sup>th</sup> Dec)	Weekly Total (28 <sup>th</sup> Nov - 4 <sup>th</sup> Dec)	Daily Average (5 <sup>th</sup> – 11 <sup>th</sup> Dec)	Weekly Total (5 <sup>th</sup> – 11 <sup>th</sup> Dec)	Daily average (5 <sup>th</sup> – 11 <sup>th</sup> Dec)
South Africa	94,892	62,021	8,860.14	74,446.50	10,635.21
Egypt	19,234	6,493	927.57	6,400.26	914.32
Libya	10,204	3,493	499.00	3,319.56	474.22
Zimbabwe ↑	5,130	4,687	669.57	4,234.92	604.99
Ethiopia ↓	3,444	913	130.43	1,315.38	187.91
Algeria	3,424	1,317	188.14	1,180.64	168.66
Tunisia ↓	2,641	1,115	159.29	1,067.45	152.49
Sudan ↑	2,396	1,433	204.71	1,071.03	153.00
Morocco ↓	2,344	853	121.86	1,083.52	154.79
Botswana ↓	1,601	393	56.14	923.02	131.86



**Figure 3: Trend of COVID-19 cases on the African Continent from April, 2021 to date**



**Figure 4: Trend of COVID-19 cases on the African Continent from September, 2021 to date (expanded view of Figure 3)**

## 2. Model Projections

### 2.1. Bi-weekly projections

The model was run on 21<sup>st</sup> November 2021 to estimate the number of new cases between 21<sup>st</sup> November and 4<sup>th</sup> December and the projections are given in Table 2.

*Table 2 – Bi-weekly projection of new cases*

Week	Projected New Covid-19 cases	Projected Daily Average
5 <sup>th</sup> – 11 <sup>th</sup> Dec	311.50	44.50
12 <sup>th</sup> Dec – 18 <sup>th</sup> Dec	330.32	47.20

A comparison of the previous weeks' projections and actual reported cases is given in Table 3.

*Table 3 – Projection of new cases for past weeks*

Week	Projected New Covid-19 cases		Actual Reported cases	
	Weekly	Daily Average	Weekly	Daily Average
28 <sup>th</sup> Nov – 4 <sup>th</sup> Dec	236.26	33.75		
21 <sup>st</sup> – 27 <sup>th</sup> Nov	253.63	36.23		
14 <sup>th</sup> – 20 <sup>th</sup> Nov	340.75	48.68	239	34.14
7 <sup>th</sup> – 13 <sup>th</sup> Nov	351	50.18	397	57
31 <sup>st</sup> Oct – 6 <sup>th</sup> Nov	395	56.36	417	60
24 – 30 <sup>th</sup> Oct	431	61.56	430	61
17 - 23 <sup>rd</sup> Oct	516	74	443	74
10 <sup>th</sup> – 16 <sup>th</sup> Oct	604	86	550	78
3 <sup>rd</sup> – 9 <sup>th</sup> Oct 2021	1,129	161	687	98
26 <sup>th</sup> Sep – 2 <sup>nd</sup> Oct 2021	934	133	676	121
19 <sup>th</sup> – 25 <sup>th</sup> Sep 2021	871	110	983	140
12 <sup>th</sup> – 18 <sup>th</sup> Sep 2021	1,177	168	787	112
5 <sup>th</sup> – 11 <sup>th</sup> Sept 2021	1,357	194	830	119
29 <sup>th</sup> Aug – 4 <sup>th</sup> Sept 2021	1,124	160	922	132
22 <sup>nd</sup> – 28 <sup>th</sup> Aug 2021	1,184	169	1048	150
15 <sup>th</sup> – 21 <sup>st</sup> Aug 2021	1,252	178	1050	150
8 <sup>th</sup> – 14 <sup>th</sup> Aug 2021	1,420	203	1,204	172
1 <sup>st</sup> – 7 <sup>th</sup> Aug 2021	1,586	215	1,547	221
25 <sup>th</sup> – 31 <sup>st</sup> July 2021	2,158	308	1,812	259
18 <sup>th</sup> – 24 <sup>th</sup> July 2021	3,177	454	2,141	305
11 <sup>th</sup> – 17 <sup>th</sup> July 2021	4,011	573	3,219	460
4 <sup>th</sup> – 10 <sup>th</sup> July 2021	5,808	830	3,903	558
27 <sup>th</sup> June – 3 <sup>rd</sup> July 2021	7,259	1,037	5,347	764
20 <sup>th</sup> – 26 <sup>th</sup> June 2021	10,468	1,495	7,329	1,047
13 <sup>th</sup> – 19 <sup>th</sup> June 2021	10,144	1,449	9,926	1,418
6 <sup>th</sup> – 12 <sup>th</sup> June 2021	7,005	1,001	8,574	1,225



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*Table 4 – Reported and Projected cases for African countries with the highest recorded cases*

Country	Reported Cases							Projections			
	Last 3 Weeks Total	28 <sup>th</sup> Nov – 4 <sup>th</sup> Dec 2021						5 <sup>th</sup> – 11 <sup>th</sup> Dec		12 <sup>th</sup> – 18 <sup>th</sup> Dec	
		01/12/21	02/12/21	03/12/21	04/12/21	Week Total	Daily Average	Week Total	Daily average	Weekly Total	Daily average
South Africa	94,892	354	-	-	-	62,021	8,860.14	74,446.50	10,635.21	86,166.86	12,309.55
Egypt	19,234	136	131	143	144	6,493	927.57	6,400.26	914.32	6,311.70	901.67
Libya	10,204	171	135	151	127	3,493	499.00	3,319.56	474.22	3,286.70	469.53
Zimbabwe ↑	5,130	-	-	-	-	4,687	669.57	4,234.92	604.99	3,851.86	550.27
Ethiopia ↓	3,444	192	198	191	185	913	130.43	1,315.38	187.91	1,497.71	213.96
Algeria	3,424	8,561	11,535	16,055	16,366	1,317	188.14	1,180.64	168.66	1,060.38	151.48
Tunisia ↓	2,641	-	-	49	86	1,115	159.29	1,067.45	152.49	963.86	137.69
Sudan ↑	2,396	97	164	241	210	1,433	204.71	1,071.03	153.00	884.19	126.31
Morocco ↓	2,344	52	-	243	54	853	121.86	1,083.52	154.79	1,256.14	179.45
Botswana ↓	1,601	938	919	933	892	393	56.14	923.02	131.86	1,484.69	212.10
Mauritania	1,441	73	69	60	42	395	56.43	336.39	48.06	285.07	40.72
Nigeria	1,440	66	72	126	114	643	91.86	644.21	92.03	675.04	96.43
Mali ↑	1,169	-	234	-	-	512	73.14	459.05	65.58	398.90	56.99
Kenya ↓	1,132	145	260	-	-	468	66.86	498.97	71.28	501.72	71.67
Cameroon ↓	958	712	1,042	1,062	1,082	354	50.57	1,492.97	213.28	1,903.86	271.98
Swaziland ↑	896	-	-	-	-	840	120.00	1,320.93	188.70	1,665.00	237.86
Republic of Congo	817	76	96	95	53	133	19.00	339.18	48.45	488.91	69.84
Gabon ↓	785	138	198	151	219	179	25.57	208.55	29.79	241.71	34.53
Uganda ↓	762	39	29	33	-	228	32.57	311.50	44.50	330.32	47.20
Burkina Faso ↓	719	574	529	541	-	289	41.29	176.41	25.20	119.41	17.06

**Table 5 – Countries recording the highest number of new COVID-19 cases in the last 3 weeks**

Country	Last 3 Weeks	Reported Cases							Week Total	Daily Average
		28/11/2021	29/11/2021	30/11/2021	01/12/2021	02/12/2021	03/12/2021	04/12/2021		
US	1,995,816	40,824	196,973	117,098	135,379	140,875	157,899	61,013	850,061	121,437.29
Germany	1,140,953	23,325	50,745	68,680	75,456	73,279	62,193	43,500	397,178	56,739.71
United Kingdom	896,133	36,507	42,144	39,713	47,235	53,067	50,573	41,457	310,696	44,385.14
Russia	716,977	32,786	33,170	31,990	32,196	32,757	32,316	32,374	227,589	32,512.71
France ↑	591,502	31,581	8,279	44,882	49,408	48,370	49,572	51,624	283,716	40,530.86
Turkey ↓	495,218	21,655	24,317	25,216	22,556	21,747	21,495	20,374	157,360	22,480.00
Poland ↓	458,960	20,574	13,133	19,100	29,076	27,354	26,961	25,575	161,773	23,110.43
Netherlands ↓	445,793	22,133	21,443	22,154	18,515	23,043	21,529	22,613	151,430	21,632.86
Czechia ↑	348,509	22,106	-	17,662	22,042	21,205	18,683	17,743	119,441	17,063.00
Belgium ↑	342,755	-	47,836	16,566	20,409	23,113	17,910	-	125,834	17,976.29
Ukraine ↓	307,889	8,245	6,494	11,212	12,601	14,163	14,391	13,806	80,912	11,558.86
Vietnam ↑	276,432	12,936	13,770	13,972	14,508	13,698	14,492	13,998	97,374	13,910.57
Austria ↓	245,186	10,478	8,526	8,186	10,367	8,882	6,738	7,304	60,481	8,640.14
Italy ↑	241,576	12,927	7,972	12,757	15,073	16,810	17,015	16,627	99,181	14,168.71
Slovakia	224,257	9,057	7,642	10,433	12,362	9,877	17,538	11,794	78,703	11,243.29
Hungary ↑	195,085	-	27,830	6,390	11,152	10,466	10,143	-	65,981	9,425.86
India ↓	187,053	8,309	6,990	8,954	9,765	9,216	8,603	-	51,837	7,405.29
Brazil ↓	184,409	4,043	3,843	9,710	11,413	12,910	10,627	8,838	61,384	8,769.14
Spain ↑	155,802	-	22,911	10,261	10,536	14,500	13,738	-	71,946	10,278.00
Switzerland ↑	135,595	-	19,405	8,423	10,467	9,546	9,958	-	57,799	8,257.00