

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

## Weekly Press Release

### WEEKLY COVID-19 CASE PROJECTIONS

#### 1. Summary

The model is projecting that the trend of daily new cases being recorded will be slightly going up in the coming 2 weeks. For the week of **5<sup>th</sup> to 11<sup>th</sup> September**, an average of **194 new cases** per day are being projected and a **weekly total of 1,357 new cases**. For the week of **12<sup>th</sup> to 18<sup>th</sup> September**, cases are expected to increase to a daily average of **200 new cases** and a **weekly total of 1,403**.

On the continental outlook, South Africa, Morocco and Tunisia have had the highest recorded cases over the last three weeks. Among our neighbouring countries, **Kenya and Rwanda are among the top ten in terms of reported cases over the past three weeks**. The model projects that for the week ending **11<sup>th</sup> September**, 2021, Kenya will record daily average of **883** and a weekly total of about **6,181** new cases which is a decrease from the previous week. For the case of **Rwanda**, the projections for the week ending **11<sup>th</sup> September** are a daily average of **447**, with a weekly total of about **3,129** new cases, also a decrease from the previous week. Table 1 shows the reported and projected daily and weekly cases for the top 10 African countries with the highest number of cases on the continent.

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

Country	Reported Cases			Projections	
	Total Last 3 weeks	Weekly Total: 29 <sup>th</sup> Aug to 4 <sup>th</sup> Sept	Daily Average: 29 <sup>th</sup> Aug to 4 <sup>th</sup> Sept	Weekly Total: 5 <sup>th</sup> - 11 <sup>th</sup> Sept	Daily Average: 5 <sup>th</sup> - 11 <sup>th</sup> Sept
South Africa	214,359	56,823	8,118	62,623	8,946
Morocco	124,629	31,510	4,501	34,487	4,927
Tunisia	50,107	13,914	1,988	13,313	1,902
Libya	33,488	9,714	1,388	9,868	1,410
Ethiopia	25,710	8,391	1,199	7,522	1,075
Botswana	22,559	5,524	789	5,147	735
Kenya	19,445	5,103	729	6,181	883
Nigeria	13,008	4,069	581	4,391	627
Algeria	10,746	2,988	427	3,155	451
Rwanda	10,066	3,282	469	3,129	447

*It is thus important to note that some of the immediate neighboring countries have higher number of cases and they are increasing and there is need to strengthen the cross-border movements restrictions and testing.*

## 2. Model Projections

### 2.1. Bi-weekly projections

The model was run on 6<sup>th</sup> September 2021 to estimate the number of new cases between 5<sup>th</sup> and 18<sup>th</sup> September 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> Sept 2021	1,357.10	193.87
12 <sup>th</sup> – 18 <sup>th</sup> Sep 2021	1,403.27	200.47

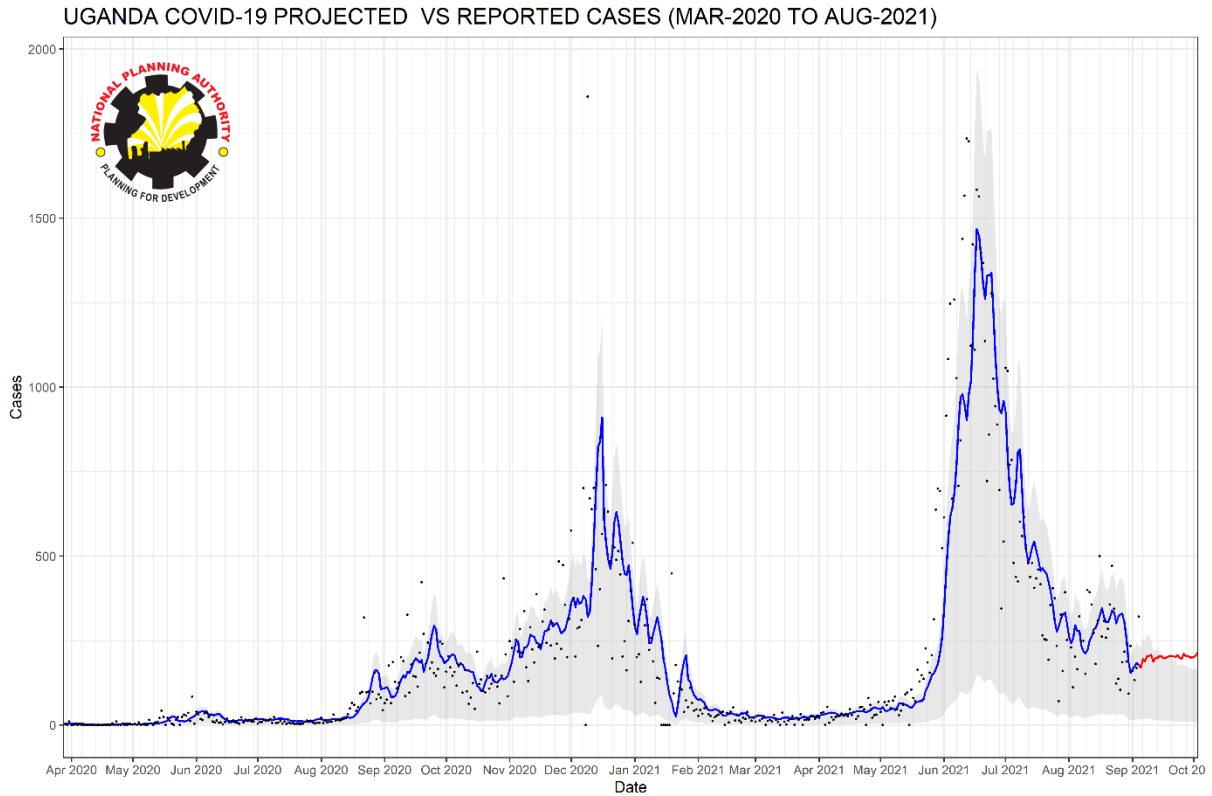
A comparison of the previous weeks' projections and actual reported cases is given in **Table 3**.

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

Week	Projected New Covid-19 cases		Actual Reported cases	
	Weekly	Daily Average	Weekly	Daily Average
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

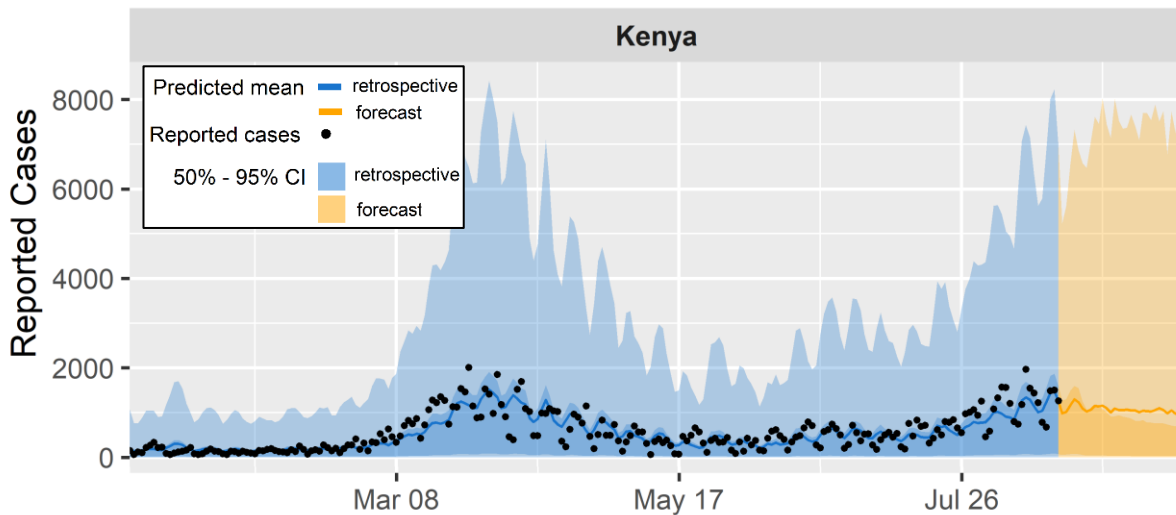
### 2.2. Projected trend of new cases

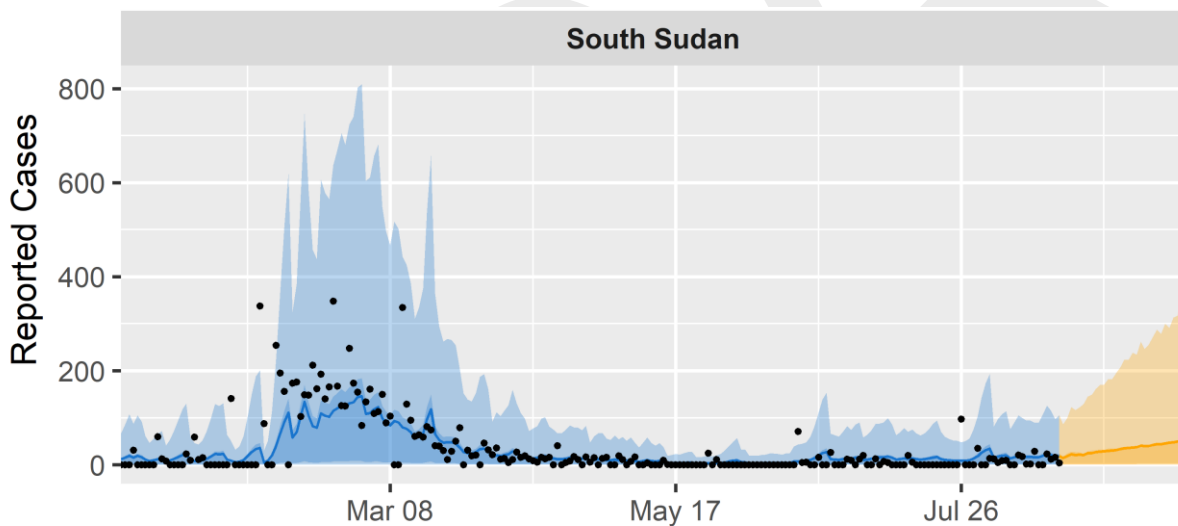
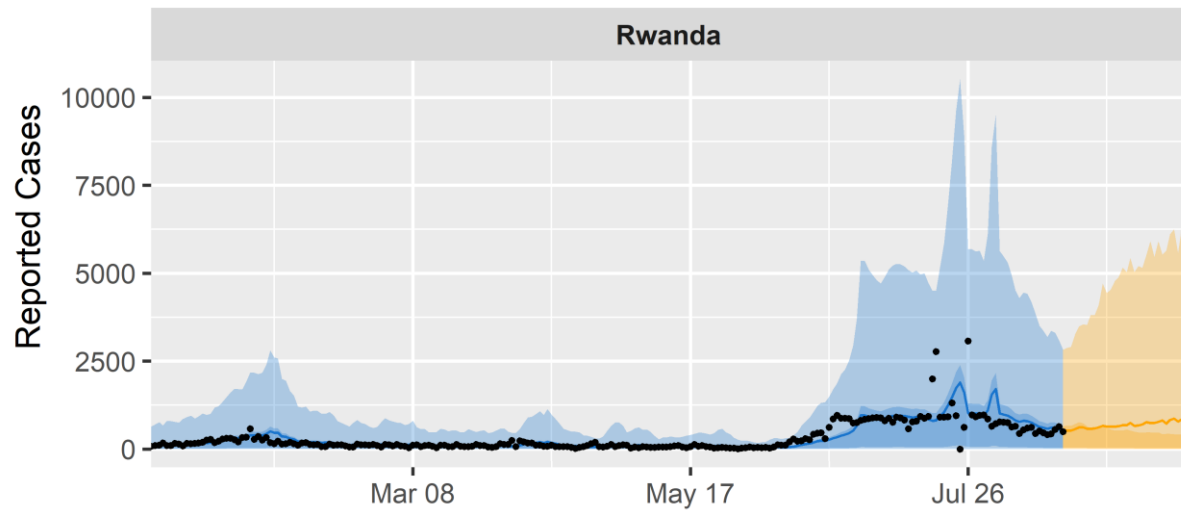
Figure 1 gives a comparison of the model predictions against reported cases from Jan 2021 to date.



**Fig 1: Model Projections and reported cases**

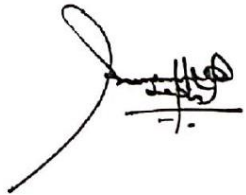
### 2.3. COVID-19 Case outlook for selected Countries





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

Country	Reported Cases									Projections			
	Last 3 weeks	29/08	30/08	31/08	01/09	02/09	03/09	04/09	Weekly Total: 29 <sup>th</sup> Aug to 4 <sup>th</sup> Sep	Daily Average: 29 <sup>th</sup> Aug to 4 <sup>th</sup> Sept	Weekly Average: 5 <sup>th</sup> -11 <sup>th</sup> Sept	Daily Average: 5 <sup>th</sup> -11 <sup>th</sup> Sept	
South Africa	214,359	7,740	5,644	7,084	9,544	9,202	9,199	8,410	56,823	8,117.57	62,622.77	8,946.11	
Morocco	124,629	3,841	2,676	4,899	6,020	5,383	4,381	4,310	31,510	4,501.43	34,486.56	4,926.65	
Tunisia	50,107	2,265	2,165	1,282	2,134	1,883	1,976	2,209	13,914	1,987.71	13,312.82	1,901.83	
Libya	33,488	2,003	1,678	1,501	1,665	1,479	1,388	0	9,714	1,387.71	9,867.73	1,409.68	
Ethiopia	25,710	1,040	693	1,324	1,217	1,643	1,354	1,120	8,391	1,198.71	7,522.27	1,074.61	
Botswana	22,559	0	3,134	0	0	2,390	0	0	5,524	789.14	5,146.59	7,35.228	
Kenya	19,445	363	346	565	1,018	970	1,001	840	5,103	729.00	6,180.84	882.98	
Nigeria	13,008	362	460	626	582	631	444	964	4,069	581.29	4,391.48	627.35	
Algeria	10,746	491	412	506	447	388	393	351	2,988	426.86	3,154.56	450.65	
Rwanda	10,066	371	518	496	570	485	490	352	3,282	468.86	3,128.90	446.99	



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