

Corona Virus Disease (COVID-19) Situational Report

Report No.307 Date of Issue 31st January 2021, 3pm

HIGHLIGHTS

- This is the last day of the **44th week** of the COVID-19 outbreak in **Sierra Leone** (Epi week 04 of 2021).
- As of **31st January, 2021**, there were **3,593 confirmed** COVID-19 cases, **79 deaths** and **2282 recoveries** in Sierra Leone
- 1041 COVID 19 tests (106 departures)** were performed in the last 24 hours in five laboratories with a daily positivity of **6.2 %**
- There were **65 new COVID-19 cases**, **4 recoveries** and **0 death** reported in the last 24 hours.
- The new cases were from WAU (**34**), WAR (24), Bo (1), Moyamba (1), Pujehun (1) and four (4) arrivals. Eight (8) of these cases were departures, twenty nine (29) local travellers, twenty four (24) routine test and four (4) arrivals.
- Current bed occupancy in COVID-19 community treatment and care centres (CTC/CCC) nationally is **20.4 %**
- Total **COVID 19 tests** conducted to date is **109,684** (14.31/1,000)
- Case Fatality Rate (CFR) is **2.2%** (excluding community deaths)
- Nationwide cumulative discharges from quarantine homes is **13,527**
- 245 (6.8%)** COVID-19 cases are among **health workers**
- Distribution of Dec/Jan cases by source** (N=1181): Suspect cases 37.6%; Departures 29.2 %; Surge cases 1.6%; Arrivals 9.7%; contacts 1.3%; local travellers 8.0%
- Distribution of Dec/Jan cases by district** (N=1181): WAU 64.3 %; WAR 19.6%; Kambia 0.4%; Bo 1.3 %; Kenema 1.1%; Tonkolili 0.3%; Pujehun 0.8 %; Kono 0.3%; inbound travellers 9.6%
- How stringent are COVID-19 public health measures in the Mano River Union? - See Fig 2

New	Confirmed	65
	Recoveries	4
	Deaths	0
Cumulative	Confirmed	3593
	Cases in Treatment and Care Centres	215
	Recoveries	2282
	Deaths	79
Case Fatality Rate (%)		2.2%

District	Summary of COVID-19 Cases in Sierra Leone as at 31st January, 2021							
	Confirmed Cases			Deaths		Tests		
	New Confirmed Cases	Cumulative Confirmed Cases	Proportion of Total Cases	New Deaths	Cumulative Deaths	Tests Conducted last 24 Hrs	Days Since Last Confirmed Case	
Western Area Urban	34	1934	53.8%	0	65	456	0	
Western Area Rural	24	520	14.5%	0	1	220	0	
Port Loko	0	129	3.6%	0	1	35	1	
Kenema	0	138	3.8%	0	4	15	1	
Tonkolili	0	87	2.4%	0	0		9	
Bombali	0	55	1.5%	0	4	24	2	
Bonthe	0	93	2.6%	0	0	16	1	
Bo	1	126	3.5%	0	2	15	0	
Koinadugu	0	39	1.1%	0	0		3	
Falaba	0	11	0.3%	0	0		177	
Kailahun	0	90	2.5%	0	0		94	
Moyamba	1	64	1.8%	0	0	14	0	
Pujehun	1	39	1.1%	0	0	18	0	
Kono	0	82	2.3%	0	2	10	5	
Kambia	0	32	0.9%	0	0		15	
Karene	0	11	0.3%	0	0		185	
Incoming passengers	4	143	4.0%	0	0	218	0	
Total	65	3593	100.0%	0	79	1041	-	



Government of Sierra Leone

Sierra Leone Ministry of Health and Sanitation



Government of Sierra Leone

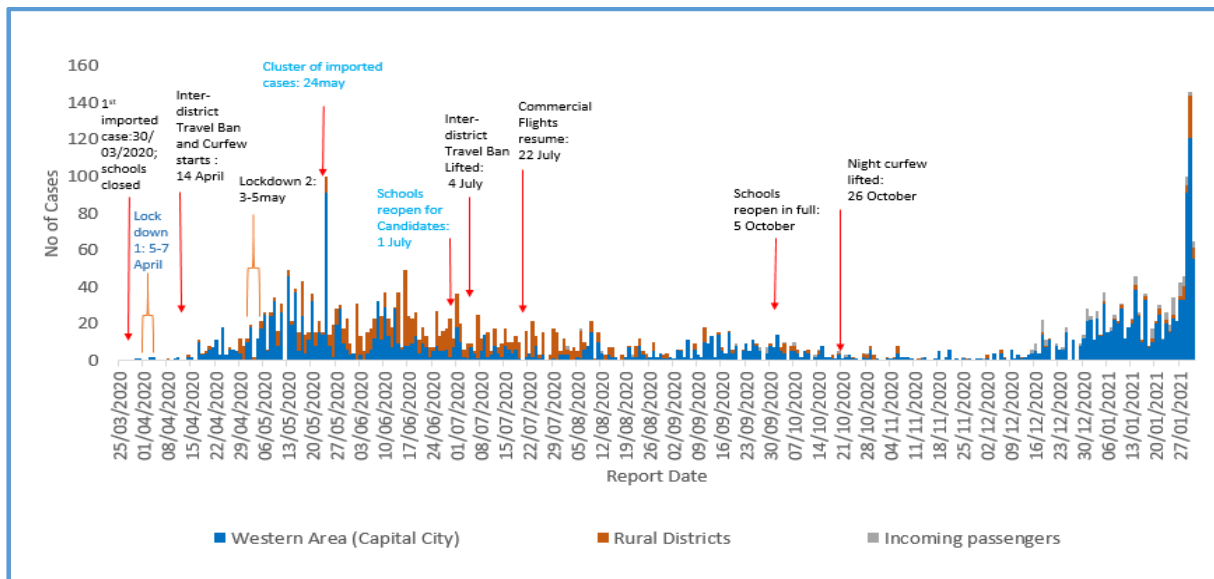


Figure 1: Daily COVID-19 Cases in Sierra Leone as of 31st January, 2021; Western Area includes Western Urban and Western Rural Districts; Rural Districts includes all other 14 Districts

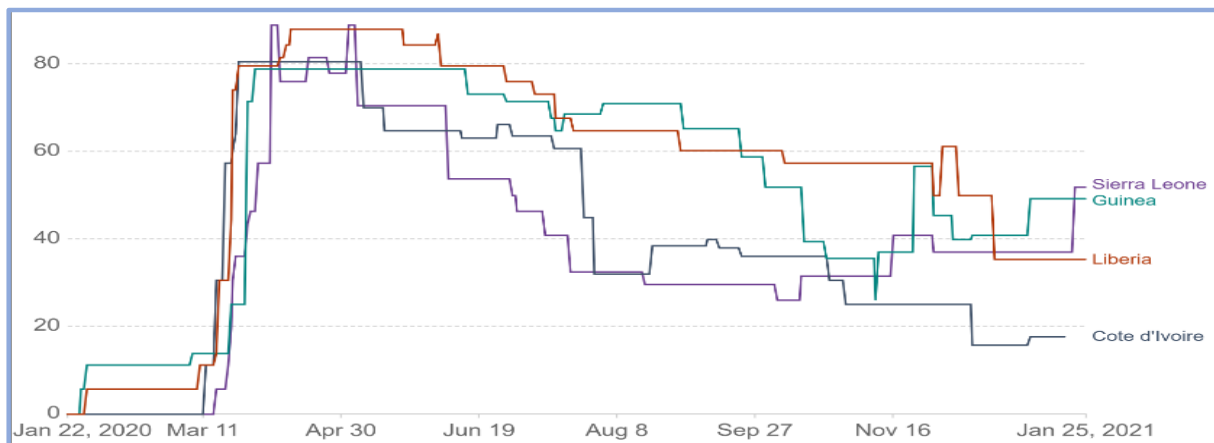


Figure 2: Government Stringency Index Mano River Union 31 Jan 2021
Source: <https://ourworldindata.org/policy-responses-covid>

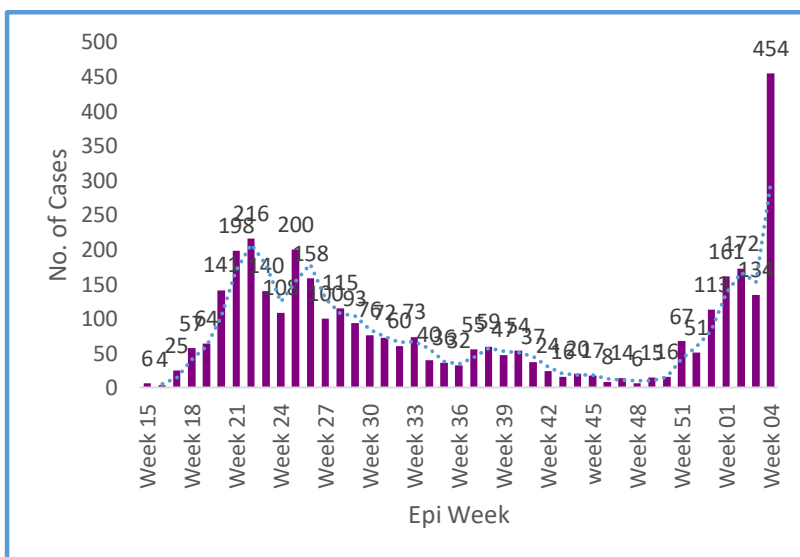


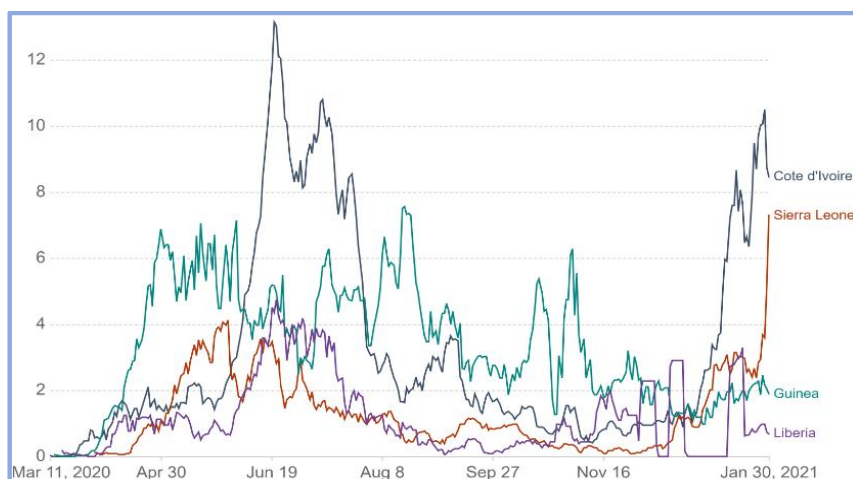
Figure 3: Weekly COVID 19 Cases detected in Sierra Leone

COVID-19 SITREP Sierra Leone

- COVID-19 Government Stringency Index is a composite measure based on nine response indicators including school closures, workplace closures, and travel bans, rescaled to a value from 0 to 100 (100 = strictest).
- Sierra Leone now has the highest Government Stringency Index in the Mano River Union (fig 2)

Cases reported over the last 7 days in SL

- Cases for Epi week 04 in SL increased by 238 % compared to Epi week 03 (Fig 3)
- 454 cases have been reported in SL over the last 7 days compared to 134 in the previous 7 days (239 % increase)
- The seven day daily moving average is 64.9
- Average daily alerts from 117 in Sierra Leone in the last 7 days were 20

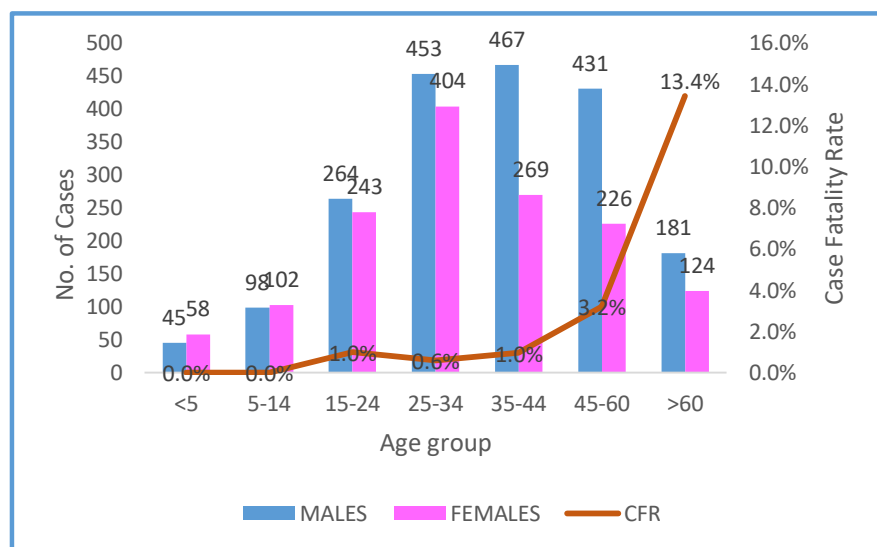


Trend in MRU Countries

- There has been a spike in the number of daily newly confirmed COVID-19 cases in Ivory Coast and Sierra Leone (Fig 4)
- The sharp increase in number of cases in Sierra Leone may be attributed to newly introduced mandatory testing of travellers departing Western Area

Figure 4: Daily seven-day rolling average confirmed COVID-19 cases - Mano River Union

Source: <https://ourworldindata.org/coronavirus-data-explorer>



Cases in Sierra Leone

- **Males= 55 %; Females =45%**
- **Median Age all Cases= 34 years** (range <1-98 years)
- **Median age females = 31 years**
- **Median Age Males= 36 years**
- **Cases < 45 years =71%**
- **68%** of deaths are males
- **Median age of deaths: 61.5 years**
- **Overall CFR: 2.2%**
- **CFR: Males 3.0%; Females 1.9%**
- **CFR: >60years = 13.4%** (Fig 5)
- **CFR 45-60 years: 3.2%** (Fig 5)

Figure 5: Age-Sex Distribution and CFR of COVID 19 cases in Sierra Leone

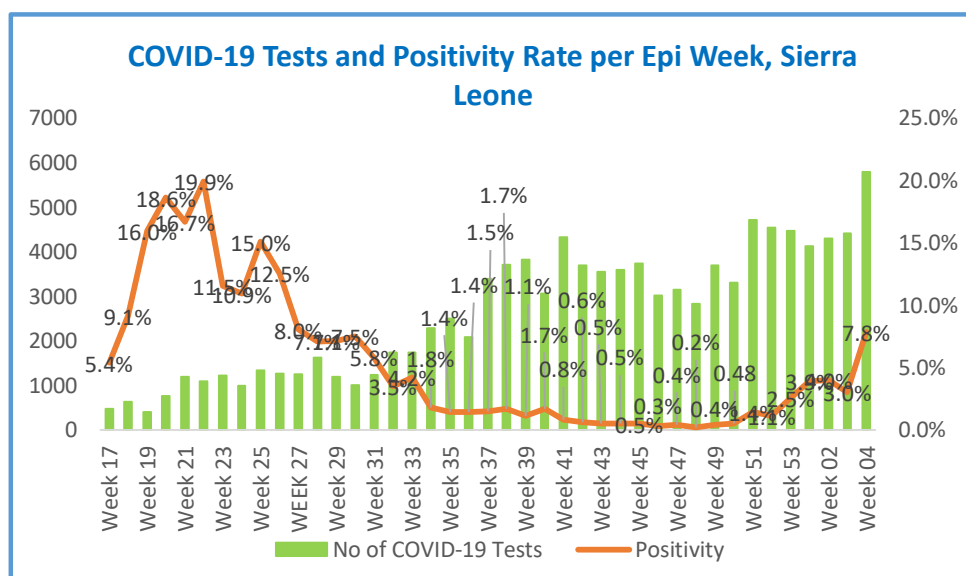


Figure 6: COVID 19 Test and Positivity Rate per Epi Week

COVID-19 SITREP Sierra Leone

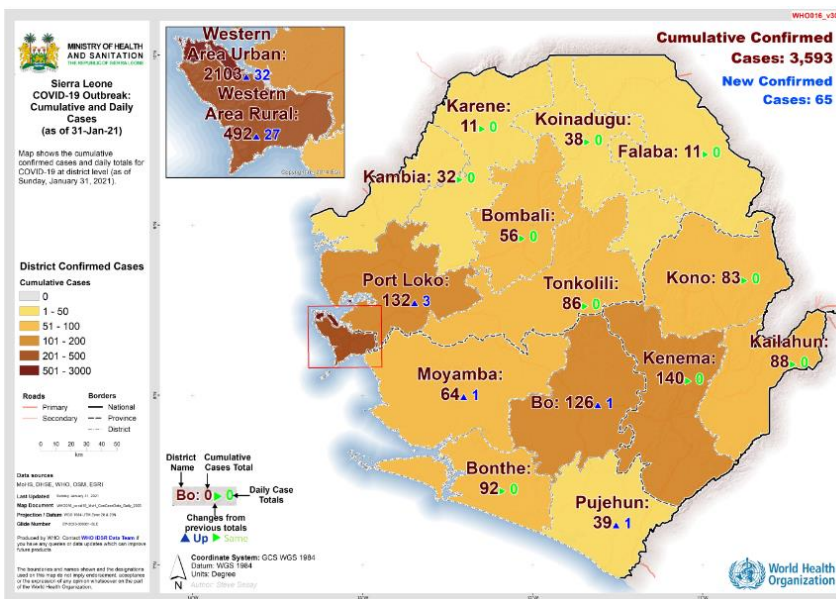


109,684
Total COVID-19 Tests

14.31
Tests/1000 population



- The number of tests conducted last week (**Epi week 03**) were **4412** and increased by **2.6%** compared to Epi Week 02 (4299); positivity rate for the week decreased from 4.0% to **3.0%** (Fig 6)
- Average number of daily tests in the last 7 days is **872**
- Cumulative number of COVID-19 tests conducted is **109,684 (14.315tests/1000 population)**
- Average positivity rate of **ALL** samples tested for COVID-19 is **3.3 %**
- **11 out of 16 districts** reported COVID-19 cases over the last 7 days
- National attack rate is **46.9 per 100,000** people
- Districts with highest COVID-19 attack rate: Western Area Urban, Western Area Rural, Bonthe, Bo, Kenema and Port Loko
- **100%** of contacts currently under follow up were reached by contact tracers in the last 24 hours
- **99.6 %** of persons in quarantine are under **Self-Quarantine**



District	Total COVID-19 Cases	Cases/100,000 Population
Western Area Urban	1934	161.1
Western Area Rural	520	102.1
Bo	126	34.5
Bonthe	93	41.5
Kenema	138	20.6
Kono	82	14.4
Tonkolili	87	15.2
Moyamba	64	17.5
Kambia	32	8.1
Bombali	55	11.4
Port Loko	129	20.8
Kailahun	90	14.5
Koinadugu	39	14.2
Falaba	11	5.7
Pujehun	39	9.8
Karene	11	5.2
Incoming passengers	143	
Total	3593	46.9

Figure 7: Geographic distribution and attack rate of COVID 19 cases in Sierra Leone as of 31/01/ 2021

Technical Areas	Variable	No
Contact Tracing	Cumulative No. of Contacts Listed	13,527
	Total No. of contacts currently under monitoring	570
	Total No. of contacts reached in the last 24 hours	570 (100 %)
Quarantine	Total No. Currently under quarantine	570
	Self-Quarantine	548(96.6 %)
	Institutional Quarantine	21 (3.4%)
Laboratory Testing	Laboratory tests done in last 24 hours	1041
	No of positive tests in last 24 hours (%)	65 (6.2%)
	Cumulative number of tests	109,684
Event Based Surveillance (Last 24 hrs.)	Total Alerts Received through 117 System	85
	No. of COVID related alerts	9
	No. of COVID related alerts investigated	9

This Situation Report was developed by:

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