

Corona Virus Disease (COVID-19) Situational Report

Report No.303 Date of Issue 27th January 2021, 3pm

HIGHLIGHTS

- This is the **44th** week of the COVID-19 outbreak in **Sierra Leone** (Epi week 04 of 2021).
- As of **27th January, 2021**, there were **3,236 confirmed** COVID-19 cases, **77 deaths** and **2237 recoveries** in Sierra Leone
- **580 COVID 19 tests (102 departures)** were performed in the last 24 hours in four laboratories with a daily positivity of **7.2 %**
- There were **42 new COVID-19 cases**, **5 recoveries** and **0 death** reported in the last 24 hours.
- The new cases were from WAU (**20**), WAR (9), Port Loko (3), Kenema (2), Koinadugu (1) and seven (7) arrival. Twenty seven (27) of the cases were suspects, eight (8) departures, and seven (7) arrivals.
- Current bed occupancy in COVID-19 community treatment and care centres (CTC/CCC) nationally is **16.8 %**
- Total **COVID 19 tests** conducted to date is **106,093** (13.84/1,000)
- Case Fatality Rate (CFR) is **2.4%** (excluding community deaths)
- Nationwide cumulative discharges from quarantine homes is **13,205**
- **237 (7.3%)** COVID-19 cases are among **health workers**
- **Distribution of Dec/Jan cases by source** (N=824): Suspect cases 46.1%; Departures 38.0 %; Surge cases 2.3 %; Arrivals 11.8 %; contacts 1.8%
- **Distribution of Dec/Jan cases by district** (N=824): WAU 69.7%; WAR 13.7%; Kambia 0.6%; Bo 0.8 %; Tonkolili 0.5%; Pujehun 0.6 %; Kono 0.5%; inbound travellers 11.7 %
- What is the rate of case detection among contacts of confirmed COVID-19 cases? - See Fig 2

New	Confirmed	42
	Recoveries	5
	Deaths	0
Cumulative	Confirmed	3236
	Cases in Treatment and Care Centres	152
	Recoveries	2237
	Deaths	77
Case Fatality Rate (%)		2.4%

Summary of COVID-19 Cases in Sierra Leone as at 27th January, 2021							
District	Confirmed Cases			Deaths		Tests	
	New	Cumulative	Proportion of Total	New Deaths	Cumulative Deaths	Tests Conducted last 24 Hrs	Days Since Last Confirmed Case
	Confirmed Cases	Confirmed Cases	Cases				
Western Area Urban	20	1749	54.0%	0	64	349	0
Western Area Rural	9	402	12.4%	0	1	39	0
Port Loko	3	125	3.9%	0	0	8	0
Kenema	2	128	4.0%	0	4	5	0
Tonkolili	0	87	2.7%	0	0		5
Bombali	0	54	1.7%	0	4	2	2
Bonthe	0	91	2.8%	0	0	39	5
Bo	0	118	3.6%	0	2	2	3
Koinadugu	1	37	1.1%	0	0	1	0
Falaba	0	11	0.3%	0	0		174
Kailahun	0	90	2.8%	0	0		91
Moyamba	0	58	1.8%	0	0		152
Pujehun	0	35	1.1%	0	0		6
Kono	0	82	2.5%	0	2		2
Kambia	0	32	1.0%	0	0		12
Karene	0	11	0.3%	0	0		182
Incoming passengers	7	126	3.9%	0	0	135	0
Total	42	3236	100.0%	0	77	580	-

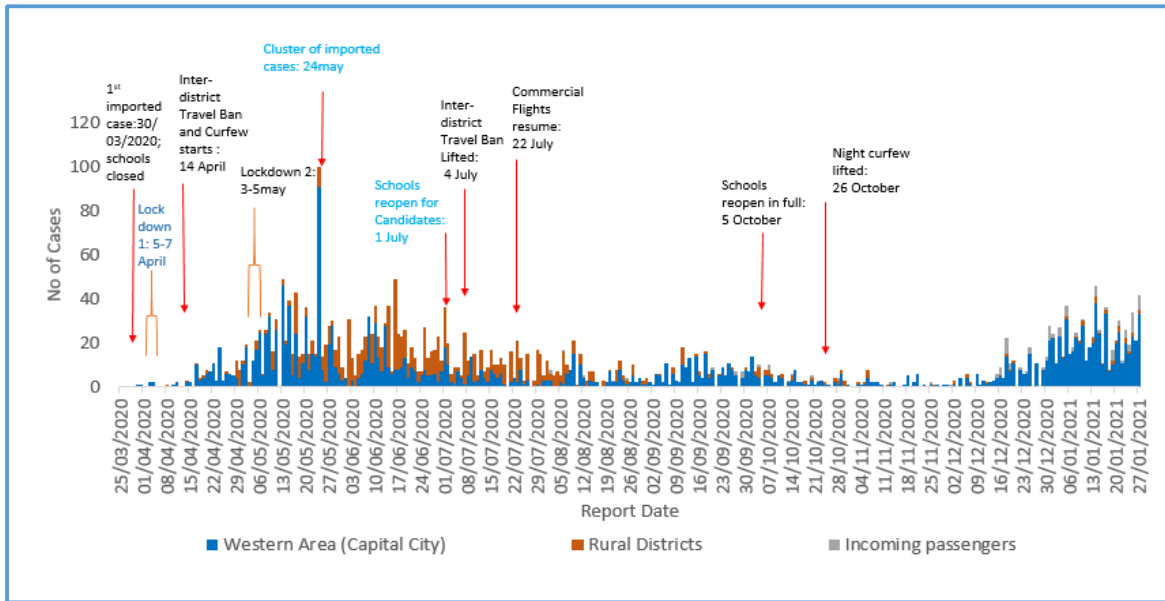


Figure 1: Daily COVID-19 Cases in Sierra Leone as of 27th January, 2021; Western Area includes Western Urban and Western Rural Districts; Rural Districts includes all other 14 Districts

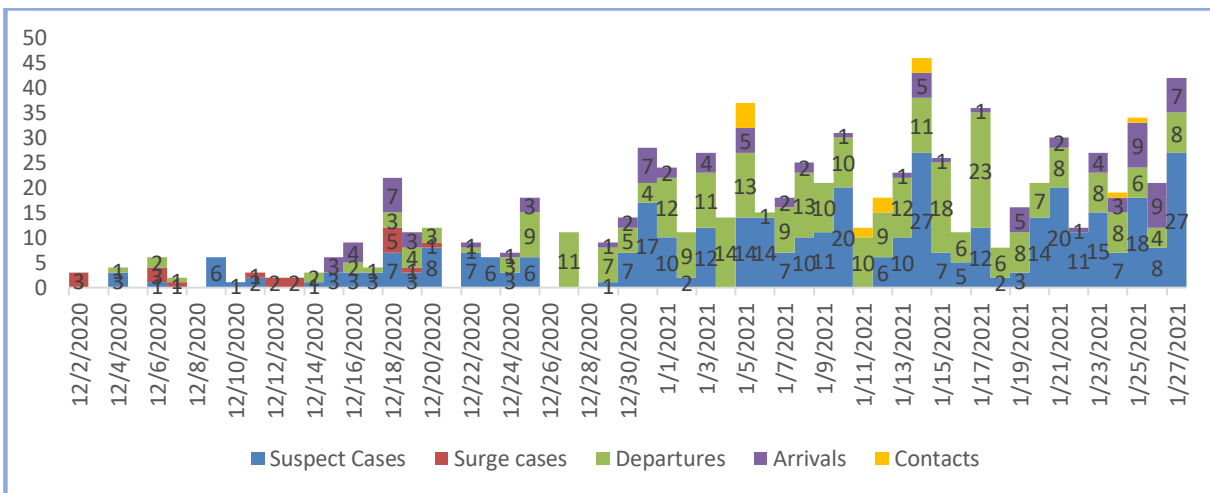


Figure 2: Distribution of daily confirmed COVID-19 cases by source of sample tested
Source: COVID-19 data set –laboratory

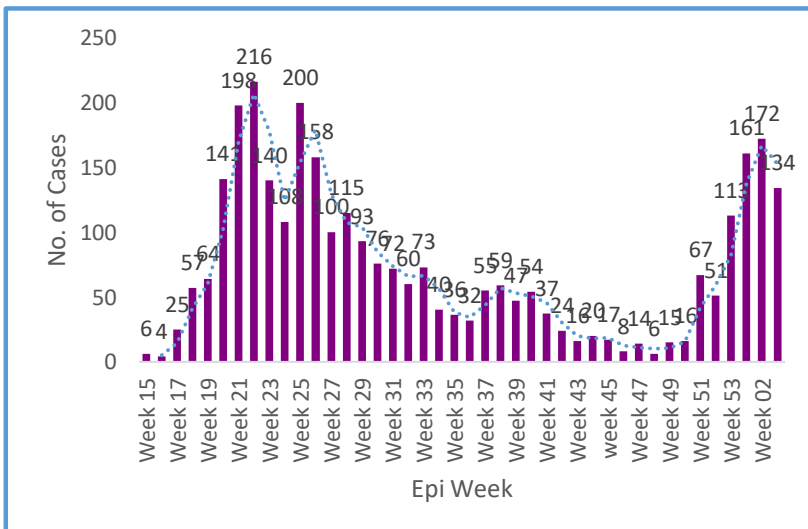
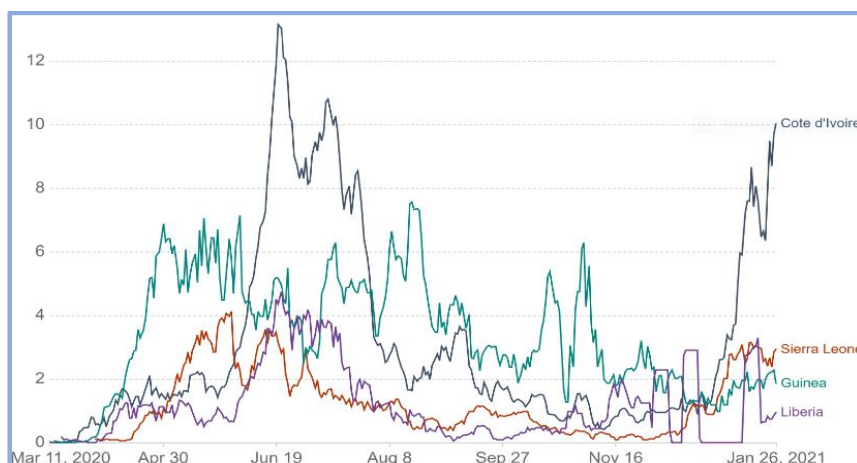


Figure 3: Weekly COVID 19 Cases detected in Sierra Leone

- Over the past 2 months only about 2% of cases detected were among contacts of confirmed COVID-19 cases. Fig2.
- This may indicate poor listing of contacts including follow up and testing. It is estimated that 10% of household contacts will become infected.
[https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(20\)30287-5/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(20)30287-5/fulltext)

Cases reported over the last 7 days in SL

- Cases for Epi week 03 in SL decreased by 22 % compared to Epi week 02 (Fig 3)
- 185 cases have been reported in SL over the last 7 days compared to 165 in the previous 7 days (12 % decrease)
- The seven day daily moving average is 26.4
- Average daily alerts from 117 in Sierra Leone in the last 7 days were 21

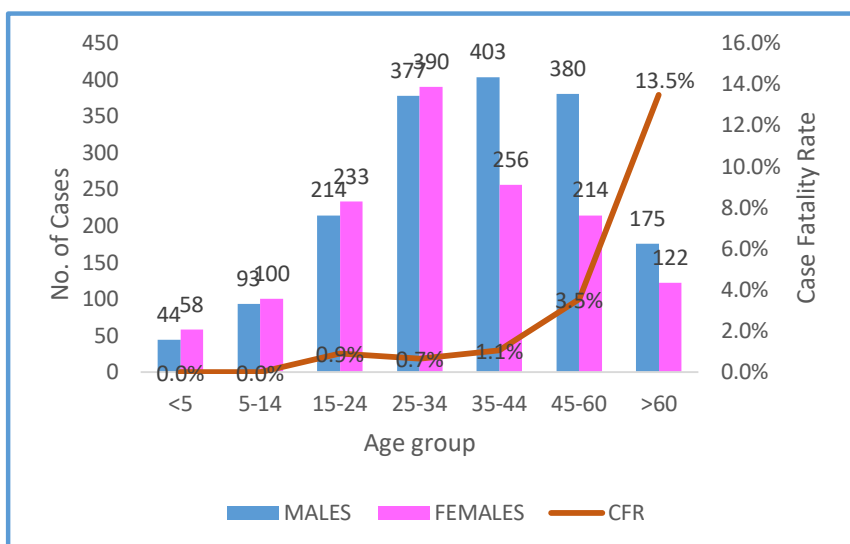


Trend in MRU Countries

- The Ivory Coast is currently reporting the highest surge in cases followed by Sierra Leone (Fig 4)
- Countries still have an opportunity to prevent further spread of COVID-19 to avoid increased morbidity and mortality

Figure 4: Seven-day rolling average daily 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: 2.4%**
- **CFR: Males 3.2%; Females 1.8%**
- **CFR: >60years = 13.5% (Fig 5)**
- **CFR 45-60 years: 3.5% (Fig 5)**

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

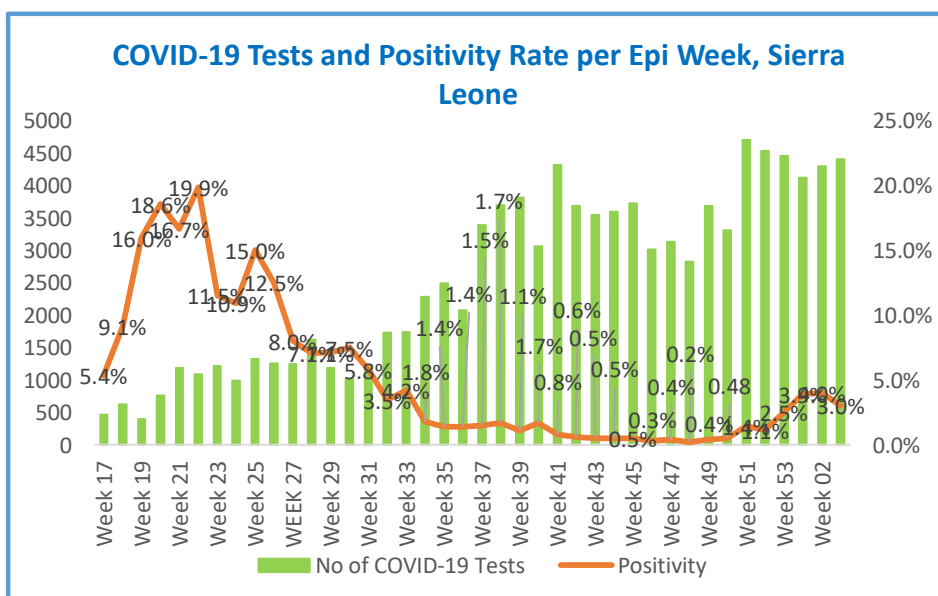


Figure 6: COVID 19 Test and Positivity Rate per Epi Week

COVID-19 SITREP Sierra Leone

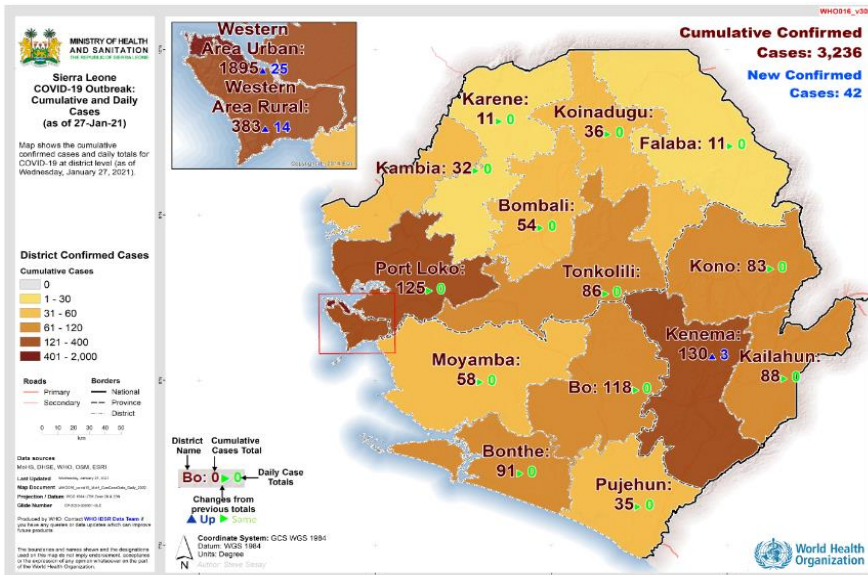


106,093
Total COVID-19 Tests

13.84
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 **608**
- Cumulative number of COVID-19 tests conducted is **106,093 (13.84tests/1000 population)**
- Average positivity rate of **ALL** samples tested for COVID-19 is **3.1 %**
- **11 out of 16 districts** reported COVID-19 cases over the last 7 days
- National attack rate is **42.2 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
- **99.2 %** of persons in quarantine are under **Self-Quarantine**



District	Total COVID-19 Cases	Cases/100,000 Population
Western Area Urban	1749	145.7
Western Area Rural	402	79.0
Bo	118	32.3
Bonthe	91	40.6
Kenema	128	19.1
Kono	82	14.4
Tonkolili	87	15.2
Moyamba	58	15.9
Kambia	32	8.1
Bombali	54	11.2
Port Loko	125	20.2
Kailahun	90	14.5
Koinadugu	37	13.5
Falaba	11	5.7
Pujehun	35	8.8
Karene	11	5.2
Incoming passengers	126	
Total	3236	42.2

Figure 7: Geographic distribution and attack rate of COVID 19 cases in Sierra Leone as of 27/01/ 2021

Technical Areas	Variable	No
Contact Tracing	Cumulative No. of Contacts Listed	13,205
	Total No. of contacts currently under monitoring	678
	Total No. of contacts reached in the last 24 hours	678 (100 %)
Quarantine	Total No. Currently under quarantine	678
	Self-Quarantine	674(99.2 %)
	Institutional Quarantine	4 (0.8%)
Laboratory Testing	Laboratory tests done in last 24 hours	580
	No of positive tests in last 24 hours (%)	42 (7.2%)
	Cumulative number of tests	106,093
Event Based Surveillance (Last 24 hrs.)	Total Alerts Received through 117 System	127
	No. of COVID related alerts	21
	No. of COVID related alerts investigated	21

This Situation Report was developed by:

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