World Health Organization
Bangladesh

COVID-19

24 January 2021
Morbidity and Mortality
Weekly Update (MMWU) N°48

https://www.who.int/bangladesh/emergencies/coronavirus-disease-(covid-19)-update/

Vaccine deployment in progress

Photo Credit: Social Media, Bangladesh

Tested	Confirmed Cases	Recovered	Death	Hotline
3,555,558	531,799	476,413	8,023	23.45 million

Test/100,000/Week	Case/100,000/Week	Recovery Rate	CFR%	AR/100,000
57.6	2.4	89.6%	1.51	312

Laboratories	PPE Stock	PoE Screening
RT PCR Lab : 116	769,406	1,055,787
GeneXpert Lab : 28	7,162,529	63,555
Rapid Antigen : 56	247,423	7,029
Weekly average Test : 14,015	1,629,841	446,125

4.3% Weekly Positivity

14.96% Overall Positivity

Date Source: Directorate General of Health Services, MoHFW, Bangladesh

1. Global Situation

Globally, as of 8:43 PM CET, 24 January 2021 there have been 97,464,094 confirmed cases of COVID-19, including 2,112,689 deaths received by WHO from national authorities. USA, the world's worst hit country, has counted **24,604,325** (190,994) cases with **410,667** (3,885) deaths as reported to WHO; followed by India with **10,654,533** (14,849) cases; while Brazil reported the third highest cases of **8,753,920** (56,552) and second highest deaths **215,243** (1,096) followed by India **153,339** (155) at the same cut off time.

The figure below is showing weekly Case and Death of COVID-19, 01 January 2020 – 24 January 2021

1 Jan: WHO activates Incident Management Team
5 Jan: WHO issues first EIS and DON
10-11 Jan: WHO issues first package of technical guidance
30 Jan: WHO declares public health emergency of international concern (PHEIC)
4 Feb: SPRP issued

Legend: Western Pacific, Africa, Eastern Mediterranean, South East Asia, Europe, Americas, Death
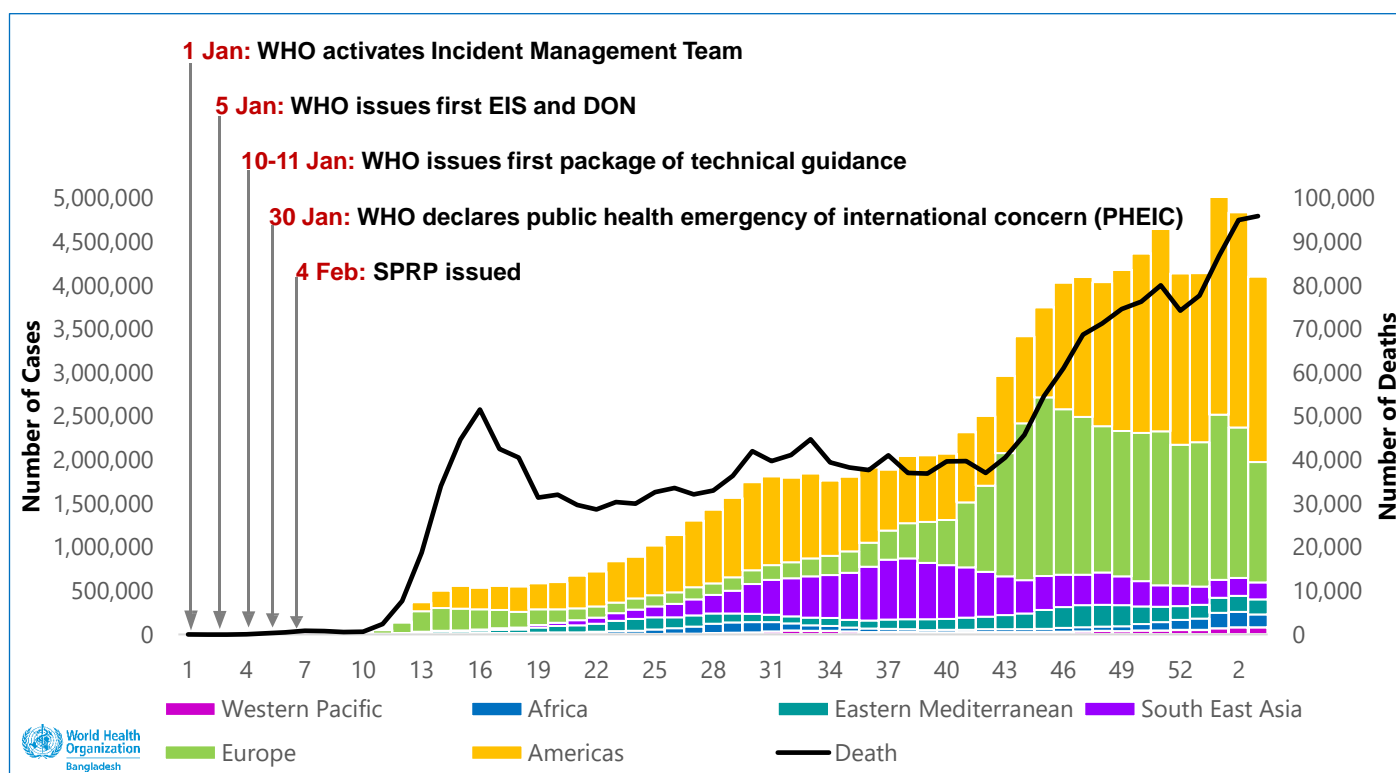
The figure below shows top ranked countries for total confirmed Cases, Deaths and New cases of COVID-19, 01 January 2020 – 24 January 2021

Cases

Country	Value
USA	23,344,423
India	10,654,533
Brazil	8,753,920
Russia	3,719,400
UK	3,617,463
France	2,985,259
Spain	2,456,675
Italy	2,455,185
Germany	2,134,936
Colombia	1,987,418
BAN (30th)	531,799

Deaths

Country	Value
USA	389,084
Brazil	208,246
India	152,274
Mexico	139,022
UK	88,590
Italy	81,800
France	69,753
Russia	65,566
Iran	56,717
Spain	53,079
BAN (38th)	8,023

New Cases

Country	Value
United…	190,994
Brazil	56,552
The…	33,552
France	23,522
Russian…	21,127
Mexico	21,007
Portugal	15,333
Colombia	15,073
India	14,849
Italy	13,331
BAN (72nd)	473

2.   Bangladesh Situation

Between 8 March 2020 and 24 January 2021, according to the DGHS Press Release <*https://corona.gov.bd/press-release*> there were five hundred thirty-one thousand seven hundred ninety-nine (**531,799**) COVID-19 confirmed by rRT-PCR, GeneXpert and Rapid Antigen tests including eight thousand twenty-three (**8,023**) related deaths (**CFR 1.51**%). Bangladesh is the top 30th country in the world and accounts for **0.55**% of the COVID-19 disease burden of the world.

The figures below showing trend of COVID-19 Cases and Deaths, 08 March 2020 – 24 January 2021, Bangladesh
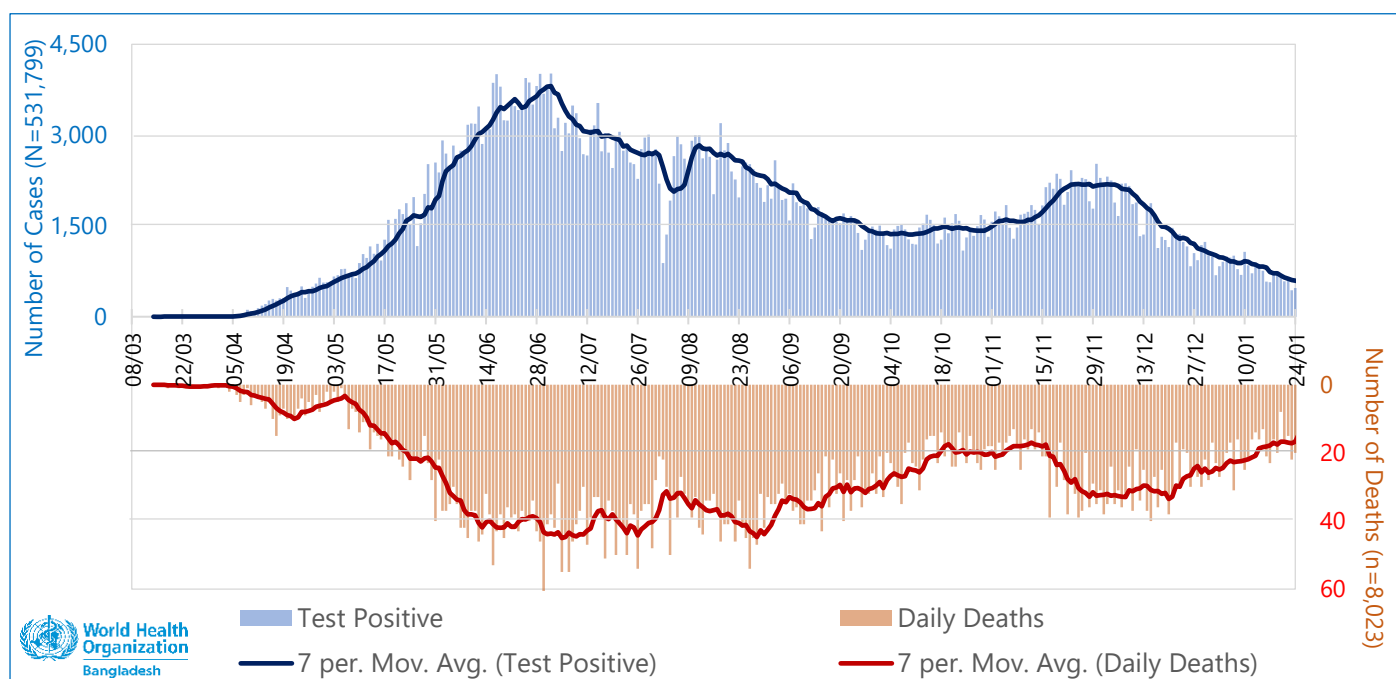
The figures below showing COVID-19 Test and Positivity, 08 March 2020 – 24 January 2021, Bangladesh
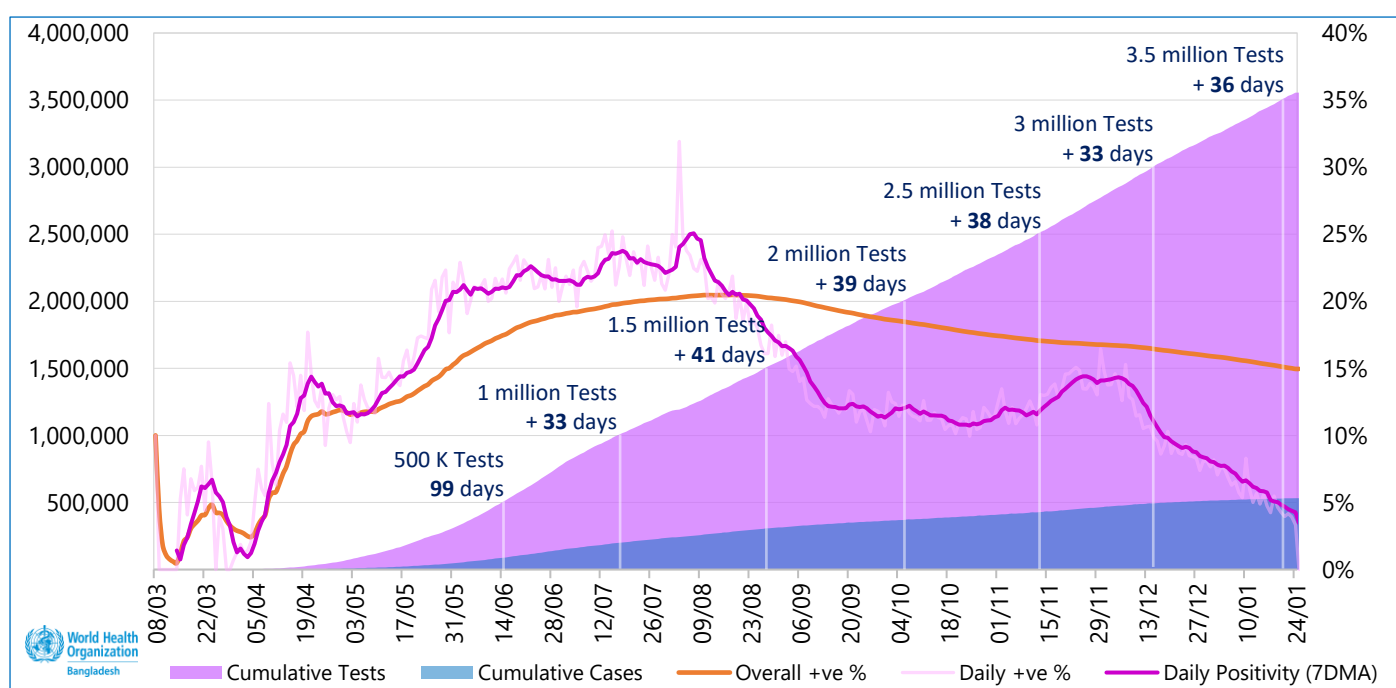
In the epidemiological week 03, 2021, number of new cases in Bangladesh is **4,167**; case per 100,000 population per week is **2.4**. New death is **117**; death per 100,000 per week is **0.07**. Weekly new test is **98,105** (daily average: **14,015**); tests per 100,000 per week is **57.6**; weekly test positivity rate is **4.25**%.

3. Surveillance & Laboratory

In the reported week, in comparison to the previous epidemiological week, the number of new weekly COVID-19 case **decreased** by **19.5**% (**4,167** in week 03 and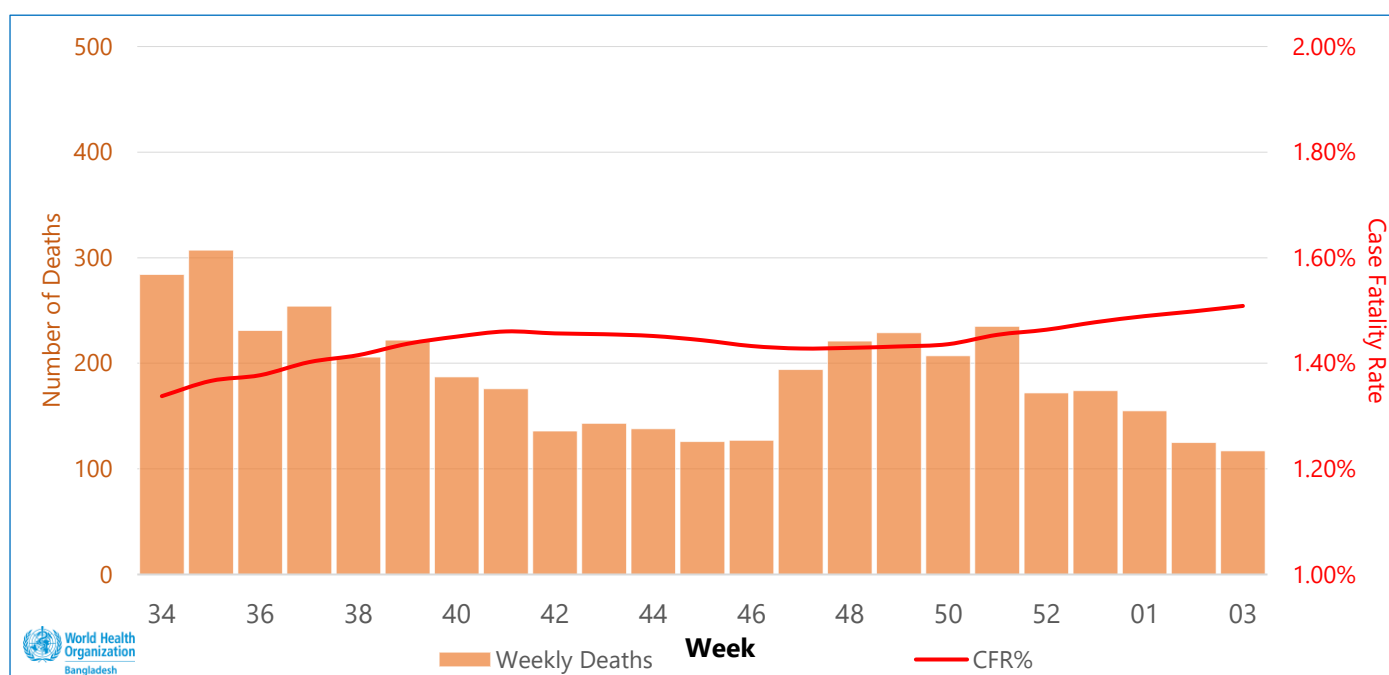 5,179 in week 02, 2021) and the number of COVID-19 new weekly death also **decreased** by **6.4**% (**117** and 125 respectively); overall Case Fatality Ratio (CFR) **increase** to **1.51** which was 1.50 last week.

The figure below is showing COVID-19 weekly death and CFR, 17 August 2020 – 24 January 2021, Bangladesh

As of 24 January 2021, among the reported cases **25.9**% cases were confirmed in people between 30 and 39 years old, **19.2**% in the age group of 40 to 49, **17.7**% in 20 to 29 years and **16.3**% in the age group between 50 and 59 years old, **12.6**% in the age group 60 and above and **8.4**% in the age group below 20 years. The highest death rate (**32.1**%) in the older age group of 70 and above, **31.8**% was reported in the age group of 60 to 69 years, **21.0**% in 50 to 59 years, and **15.1**% in the age group of below 50 years. Male represents **71%** and **76%** of the total reported confirmed COVID-19 cases and deaths respectively.

The table below is showing distribution of COVID-19 case and death, 08 March 2020 – 24 January 2021, Bangladesh

Division	Cumulative			Week 03, 2021		
	Cases	Death	CFR (%)	Cases	Death	CFR (%)
Dhaka	366,100	4,460	1.22	3,022	80	2.65
Chattogram	66,036	1,482	2.24	586	23	3.92
Khulna	25,292	544	2.15	95	3	3.16
Rajshahi	25,099	451	1.80	210	7	3.33
Rangpur	15,781	355	2.25	58	1	1.72
Sylhet	15,188	301	1.98	102	-	-
Barishal	10,585	244	2.31	58	1	1.72
Mymensingh	7,718	186	2.41	36	2	5.56
National	**531,799**	**8,023**	**1.51**	**4,167**	**117**	**2.81**

The map below is showing geographical distribution of COVID-19 cases, 18 – 24 JAN 2021, Bangladesh

Distribution of COVID-19 Cases

Week 03, 2021

BANGLADESH

Legend

Case/100,000/Week

▢	Less than 0.5
▢	0.5 - 1.0
▢	1.0 - 2.0
▢	2.0 - 5.0
▢	More than 5.0

COVID-19 Test Laboratory (N=200)

▲	rRT-PCR (n=116)
◼	GeneXpert (n=28)
⚡	Rapid Antigen (n=56)

0   25   50   75   100
Kilometers
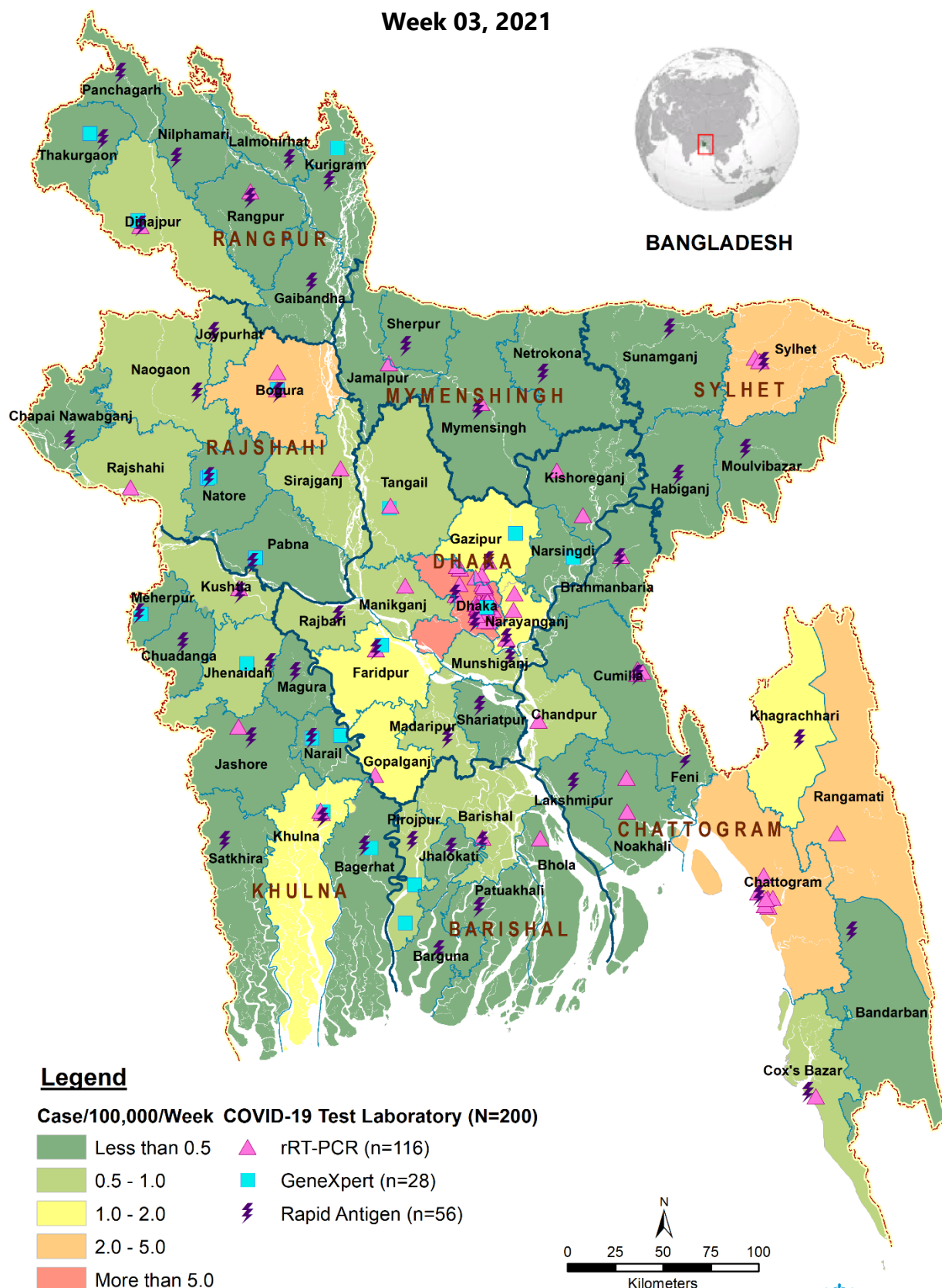
Data Source: HEOC & Control Room, DGHS

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The map below is showing growth of COVID-19 cases, Week 02 to week 03, 2021, Bangladesh

COVID-19 Weekly Growth Rate
As of 24 January 2021

Legend

Weekly Growth Rate   **COVID-19 Test Laboratory (N=200)**

	Weekly Growth Rate			COVID-19 Test Laboratory (N=200)
	Less than 0.5%		▲	rRT-PCR (n=116)
	0.5% - 1.0%		■	GeneXpert (n=28)
	1.0% - 1.5%		⚡	Rapid Antigen (n= 56)
	1.5% - 2.0%			
	More than 2%			

District Name
(% of Weekly Growth Rate of Cases)

N

0   25   50   75   100
Kilometers

World Health Organization
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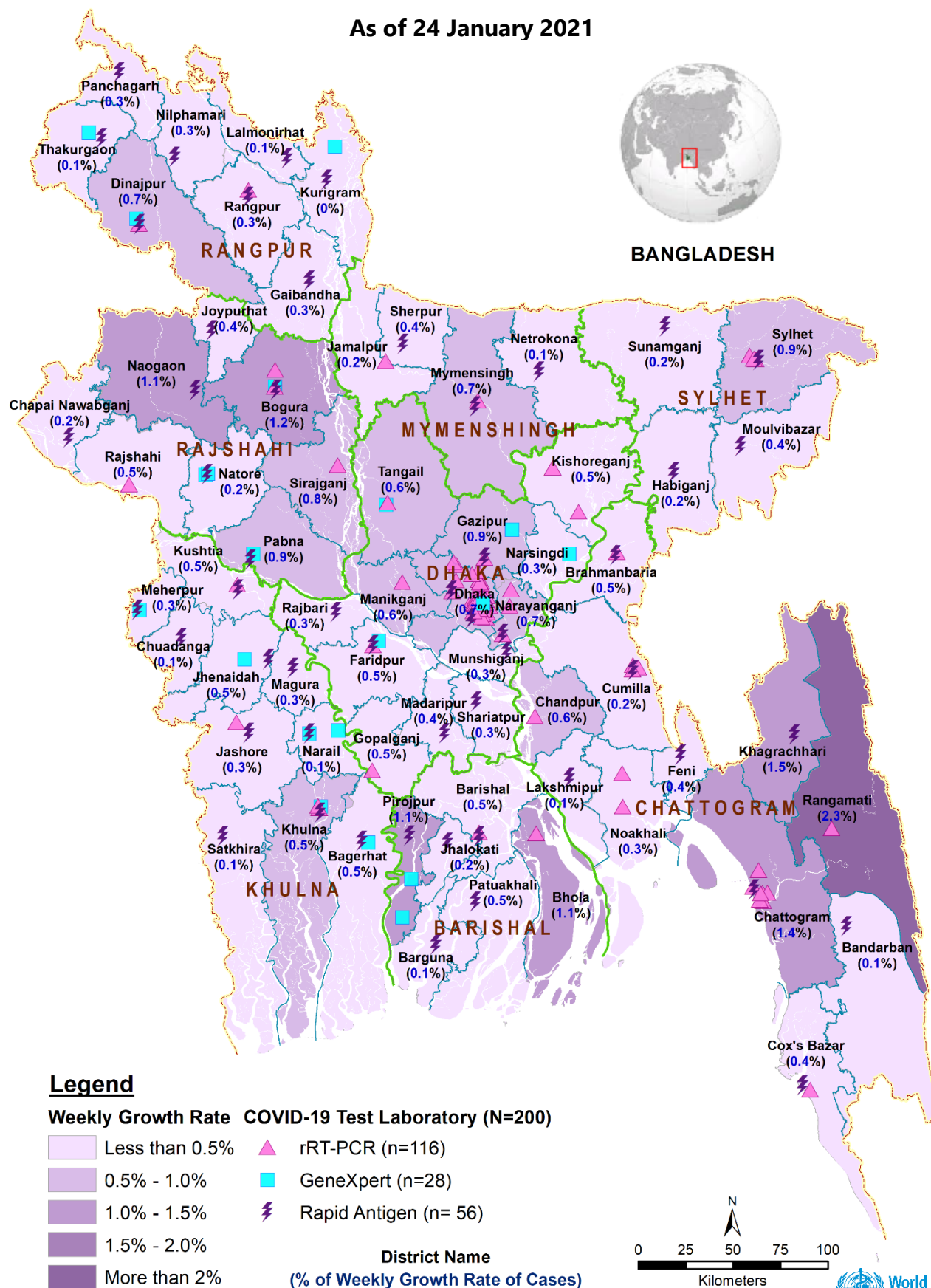
As of 24 January 2021, **68.8**% of reported cases were from **Dhaka** division (**58.1**% at Dhaka city), **12.4**% from **Chattogram**, **Khulna** – **4.8**%, **Rajshahi** – **4.7**%, **Rangpur** – **3.0**%, **Sylhet** – **2.9**%, **Barishal** – **2.0**% and the lowest **1.5**% from **Mymensingh** division. While, **55.6**% of the reported death were from **Dhaka** division (**29.8**% at Dhaka city), **18.5**% from **Chattogram**, **Khulna** – **6.8**%, **Rajshahi** – **5.6**%, **Rangpur** – **4.4**%, **Sylhet** – **3.8**%, **Barishal** – **3.0**% and the lowest **2.3**% from **Mymensingh** division.

The highest number of weekly cases (**25,481**) reported in epi–week **26** (22 – 28 JUN 2020) while the highest weekly death (**314**) recorded in the following week **27** (29 JUN – 05 JUL 2020). Weekly cases increased in Rajshahi division by **19.3**%; did not change in Barishal division; while decreased in Sylhet division by **52.1**% followed by Khulna – **35.8**%, Mymensingh – **28.0**%, Chattogram – **25.4**%, Dhaka – **19.1**% and Rangpur – **3.8**% than the last week. In the reported week (week 03, 2021), COVID-19 daily average cases (**595**) decreased by **19.6**% from the previous week.

The table below is showing top 10 districts of COVID-19 Cases, 07 December 2020 – 24 January 2021, Bangladesh

| District/City	Cases per Week							Case per 100,000 per Week						
	50	51	52	53	1	2	3	50	51	52	53	1	2	3
Dhaka City	8,852	6,812	5,628	4,449	4,332	3,348	2,716	106.5	81.9	67.7	53.5	52.1	40.3	32.7
Chattogram	1,224	1,133	958	903	833	616	448	13.6	12.6	10.6	10.0	9.3	6.8	5.0
Bogura	167	233	80	93	50	40	118	4.2	5.8	2.0	2.3	1.2	1.0	2.9
Sylhet	179	134	152	86	80	82	84	4.4	3.3	3.7	2.1	2.0	2.0	2.1
Gazipur	149	80	63	75	35	57	66	3.7	2.0	1.6	1.9	0.9	1.4	1.6
Narayanganj	205	127	86	73	74	80	63	5.9	3.6	2.5	2.1	2.1	2.3	1.8
Faridpur	94	99	101	89	44	66	41	4.2	4.4	4.5	3.9	1.9	2.9	1.8
Khulna	97	70	74	36	53	41	36	3.5	2.6	2.7	1.3	1.9	1.5	1.3
Dinajpur	137	120	89	48	55	56	33	3.9	3.4	2.5	1.4	1.6	1.6	0.9
Mymensingh	65	66	69	33	29	26	30	1.1	1.1	1.1	0.5	0.5	0.4	0.5

Out of the total **527,632** COVID-19 cases registered as of 24 January 2021, **89.5**% (472,437) **recovered**, **1.50**% (7,906) **died** and **8.96**% (47,289) were **active cases**. In the epidemiological week 02, weekly average number of COVID-19 **active cases** decreased by **0.5**%, in comparison to the previous week (**47,505** and 47,734 respectively); during the same time, weekly **recovery** has decreased by **9.1**% (**5,636** and 6,203 respectively).

The figure below is showing status of confirmed COVID-19 cases, 08 MAR 2020 – 24 JAN 2021, Bangladesh.
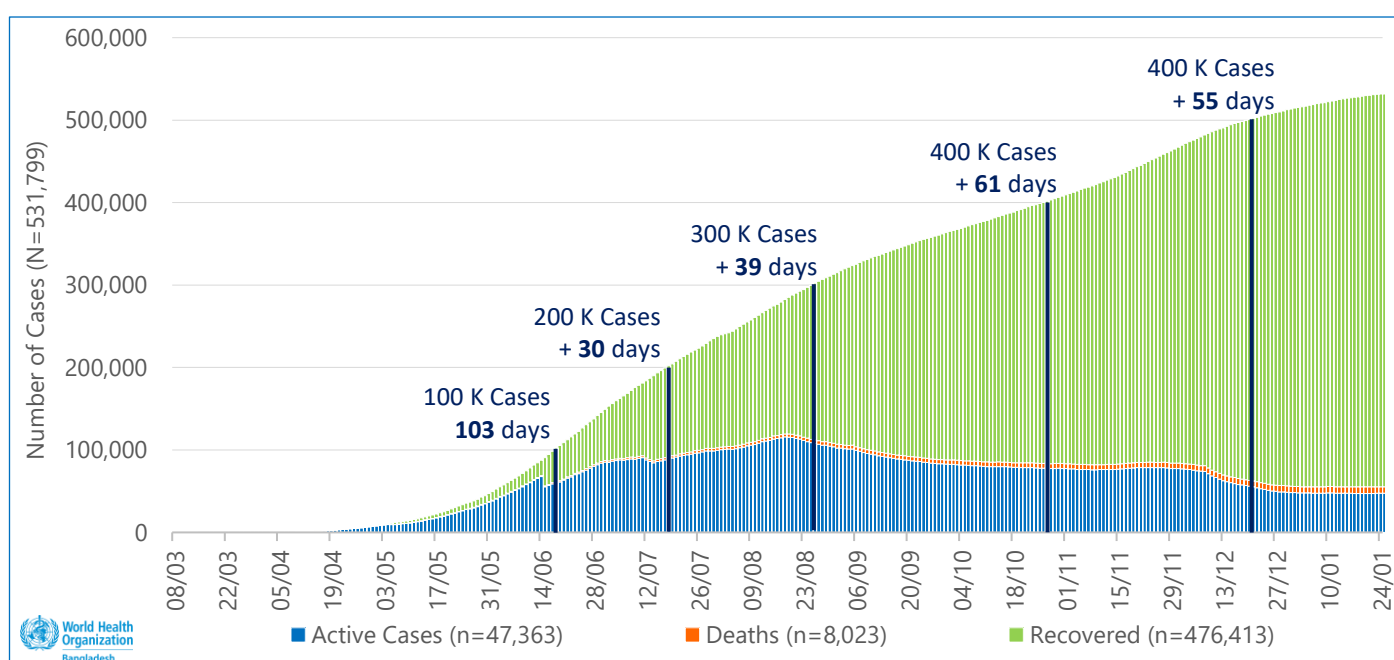
As of 24 January 2021, according to the DGHS Press Release **3,555,558** COVID-19 tests were conducted in Bangladesh with the overall positivity rate of **14.96**% (**3.34**% in last 24 hours) by **200** laboratories. One (1) RT-PCR laboratory in Dhaka city (Victoria Healthcare Ltd) has been added to the network of COVID-19 testing laboratories. As of 24 January 2021, test per case is **6.69** which indicates the number of tests required to identify 1 case.

The graph below is showing weekly Teste and Positivity rate, 08 March 2020 – 17 January 2021, Bangladesh
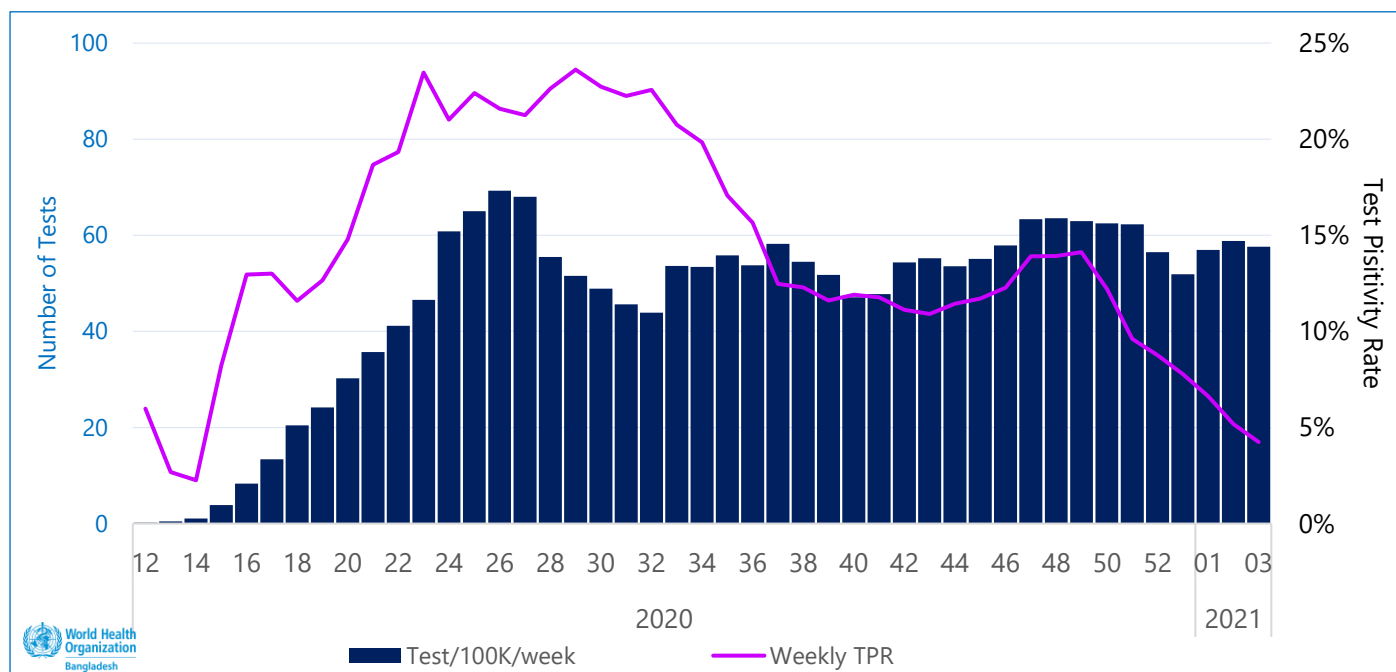
4.   Points of Entry & Quarantine

In the reported week (week 03, 2021), the number of international flights arrived at the designated international airport (HSIA) is same as it was last week (**188** flights) but the number of incoming passengers increased by **3.3**% (**33,000** and 31,936 respectively). In the reported week **385** individuals were sent to Institutional Quarantine after passenger screening at the Hazrat Shahjalal International Airport (HSIA).

The figure below is showing daily number of total Tests, number of Travellers via designated airport and Test Positivity Rate, 01 – 24 January 2021, Bangladesh
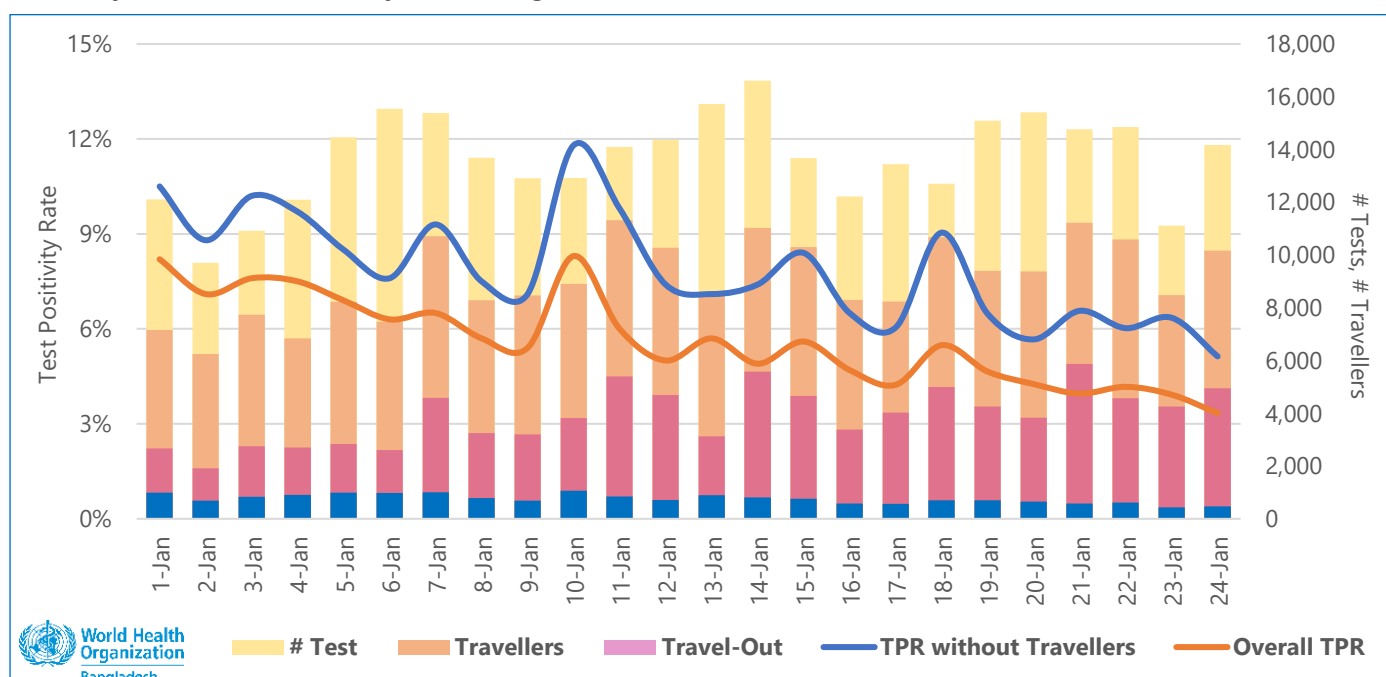
According to DGHS, as of 24 January 2021, the current institutional quarantine capacity in the country is represented by **629** centres across the 64 districts, which can receive **31,991** persons. A total of **46,398** individuals were placed in quarantine facilities and of them **43,218** (93.1%) have already been released. Over the same period, total of **98,670** individuals were isolated in designated health facilitates and of them **87,930** (89.1%) have been released.

The table below is showing distribution of incoming travellers in last 14 days sent to Home Quarantine as captured through PoE Surveillance, 11 – 24 January 2021, Bangladesh

Dhaka Div.	12,183	Chattogram Div.	10,777	Khulna Div.	2,957	Sylhet Div.	2,660
Dhaka	5,653	Cumilla	3,095	Jashore	716	Sylhet	1111
Tangail	786	Chattogram	1,792	Khulna	551	Moulvibazar	624
Munshiganj	779	Brahmanbaria	1413	Bagerhat	425	Habiganj	524
Narayanganj	683	Noakhali	1296	Satkhira	284	Sunamganj	401
Faridpur	656	Chandpur	1088	Kushtia	277		
Narsingdi	622	Feni	1057	Jhenaidah	190		
Gazipur	603	Lakshmipur	664	Narail	151		
Kishoreganj	544	Cox's Bazar	335	Meherpur	140		
Madaripur	531	Rangamati	15	Magura	136		
Shariatpur	489	Bandarban	11	Chuadanga	87		
Manikganj	407	Khagrachhari	11				
Gopalganj	263						
Rajbari	167						
Rajshahi Div.	**1,801**	**Barishal Div.**	**1,097**	**Mymensingh Div.**	**790**	**Rangpur Div.**	**537**
Pabna	457	Barishal	394	Mymensingh	454	Dinajpur	149
Rajshahi	302	Bhola	224	Jamalpur	153	Rangpur	103
Bogura	287	Pirojpur	160	Netrokona	139	Gaibandha	95
Chapai Nawabganj	224	Patuakhali	123	Sherpur	44	Nilphamari	58
Sirajganj	168	Jhalokati	108			Kurigram	47
Naogaon	159	Barguna	88			Thakurgaon	43
Natore	145					Lalmonirhat	27
Joypurhat	59					Panchagarh	15

5. Case Management and Infection Prevention & Control

According to DGHS, as of 24 January 2021, there are **10,381** general beds in the country of which **31.3**% (3,251) in Dhaka city and **598** ICU of which **51.8**% (310) in Dhaka city dedicated for COVID-19 treatment. Presently **19.1**% of the general beds and **35.6**% ICU beds are occupied all over the country.

The table below is showing temporal comparison of COVID-19 dedicated facilities, week 01 and week 03, 2021, Bangladesh

	National			Dhaka		
	24 JAN 2021	**10 JAN 2021**	**Trend**	**24 JAN 2021**	**10 JAN 2021**	**Trend**
General Beds	**10,381**	10,445	⬇	**3,251**	3,269	⬇
Bed Occupancy	**17.6**%	20.3%	⬇	**38.8**%	42.3%	⬇
ICU	**598**	602	⬇	**310**	310	⇆
ICU Occupancy	**37.0**%	40.7%	⬇	**46.1**%	52.3%	⬇
Oxygen cylinder	**12,779**	12,772	⬆			
High flow nasal cannula	**715**	720	⬇			
Oxygen concentrator	**595**	642	⬇			

6.   Useful links for more information

- WHO Bangladesh COVID-19 Situation Reports:
  https://www.who.int/bangladesh/emergencies/coronavirus-disease-(covid-19)-update/coronavirus-disease-(covid-2019)-bangladesh-situation-reports

- WHO Cox's Bazar Situation reports:
  https://ln2.sync.com/dl/f33b85a60/99r3nuhb-zebna3tg-kun4acy3-mvyxqv56

- COVID-19 Situation in the WHO South–East Asia Region:
  https://experience.arcgis.com/experience/56d2642cb379485ebf78371e744b8c6a

- WHO global Weekly Epidemiological Update and Weekly Operational Update:
  https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports/

- WHO Bangladesh awareness and risk communication materials in Bengali:
  https://www.who.int/bangladesh/emergencies/coronavirus-disease-(covid-19)-update

- COVID-19 WHO Online *Training modules: https://www.who.int/emergencies/diseases/novel-coronavirus-2019/training/online-training*

- COVID-19 updates from the Directorate General of Health Services, Ministry of Health and Family Welfare, Government of The People's Republic of Bangladesh:
  https://dghs.gov.bd/index.php/en/component/content/article?id=5393

- Institute of Epidemiology, Disease Control and Research (IEDCR):
  https://iedcr.gov.bd/covid-19/covid-19-general-information