World Health Organization
Bangladesh

COVID-19

23 November 2020
Morbidity and Mortality
Weekly Update (MMWU) N°39

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

'No Mask No Service' campaign in local bazar   Photo Credit: Social Media Bangladesh

Tested	Confirmed Cases	Recovered	Death	Hotline
2,665,131	449,760	364,611	6,416	22.7 million

Test/100,000/Week	Case/100,000/Week	Recovery Rate	CFR%	AR/100,000
63.3	8.8	81.1%	1.43	264

Laboratories	PPE Stock	PoE Screening
117 COVID-19 Labs	970,736	760,919
Last 7 days	4,324,343	51,140
108,169 Samples	215,021	7,029
	1,824,214	407,374

61.9% Inside Dhaka Tests

16.9% Overall Positivity

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

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1. Global Situation

Globally, as of 10:02pm, 23 November 2020, there have been 58,425,681 confirmed cases of COVID-19, including 1,385,218 deaths, reported to WHO by national authorities. USA, the world's worst hit country, has counted **11,972,556** (183,544) cases with **253,931** (1,471) deaths as reported to WHO; followed by India with **9,139,865** (44,059) cases; while Brazil reported the third highest cases of **6,052,786** (32,622) and second highest deaths **168,989** (376) followed by India **133,738** (511) at the same cut off time.

The figure below is showing trend of the weekly number of reported COVID-19 cases by WHO region, 01 January – 23 November 2020
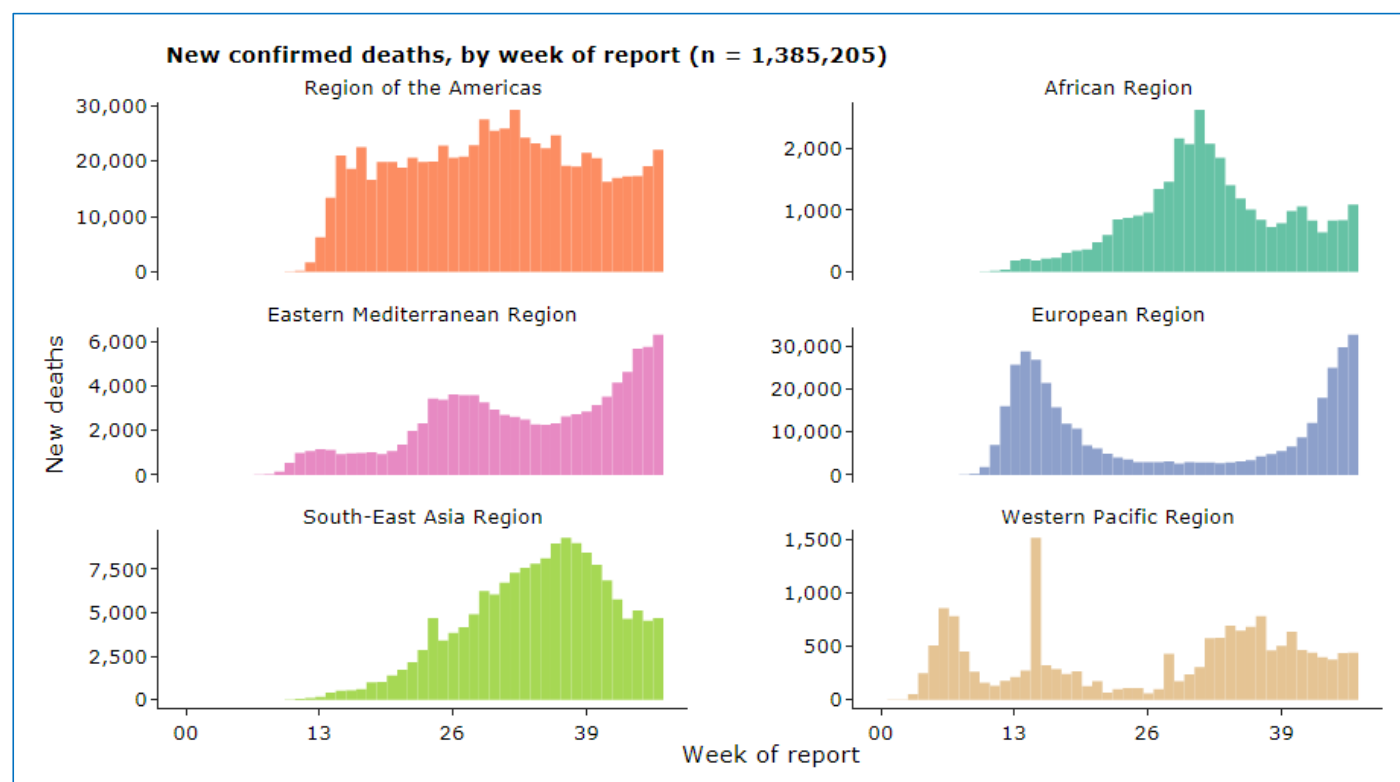
The figure below shows top ranked countries for total cases of confirmed COVID-19, deaths and new cases, 01 January – 23 November 2020
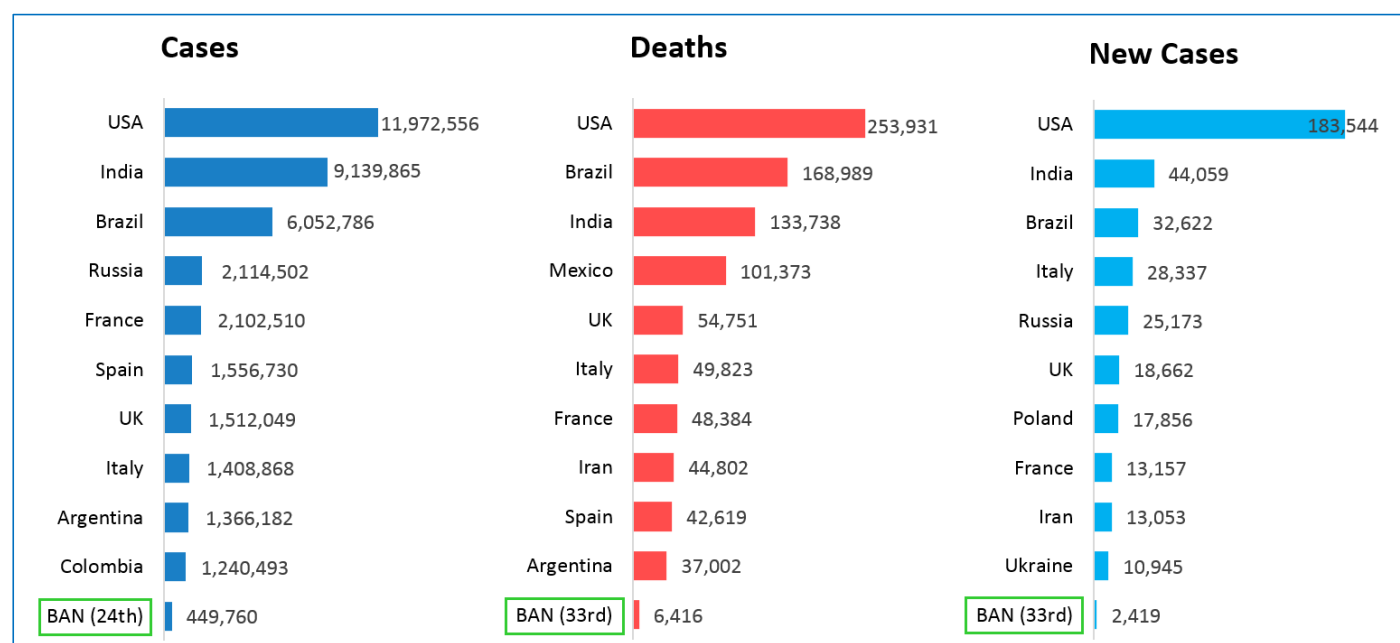
2.   Bangladesh Situation

Between 8 March and 23 November 2020, according to the DGHS Press Release <*https://corona.gov.bd/press-release*> there were four hundred forty-nine thousand seven hundred sixty (**449,760**) COVID-19 confirmed by rRT-PCR, including six thousand four hundred sixteen (**6,416**) related deaths (**CFR 1.43**%). Bangladesh is the top 24th country in the world and accounts for **0.8**% of the COVID-19 disease burden in the world.

The figure below is showing the trend of COVID-19 cases and deaths, 08 March – 23 November 2020, Bangladesh
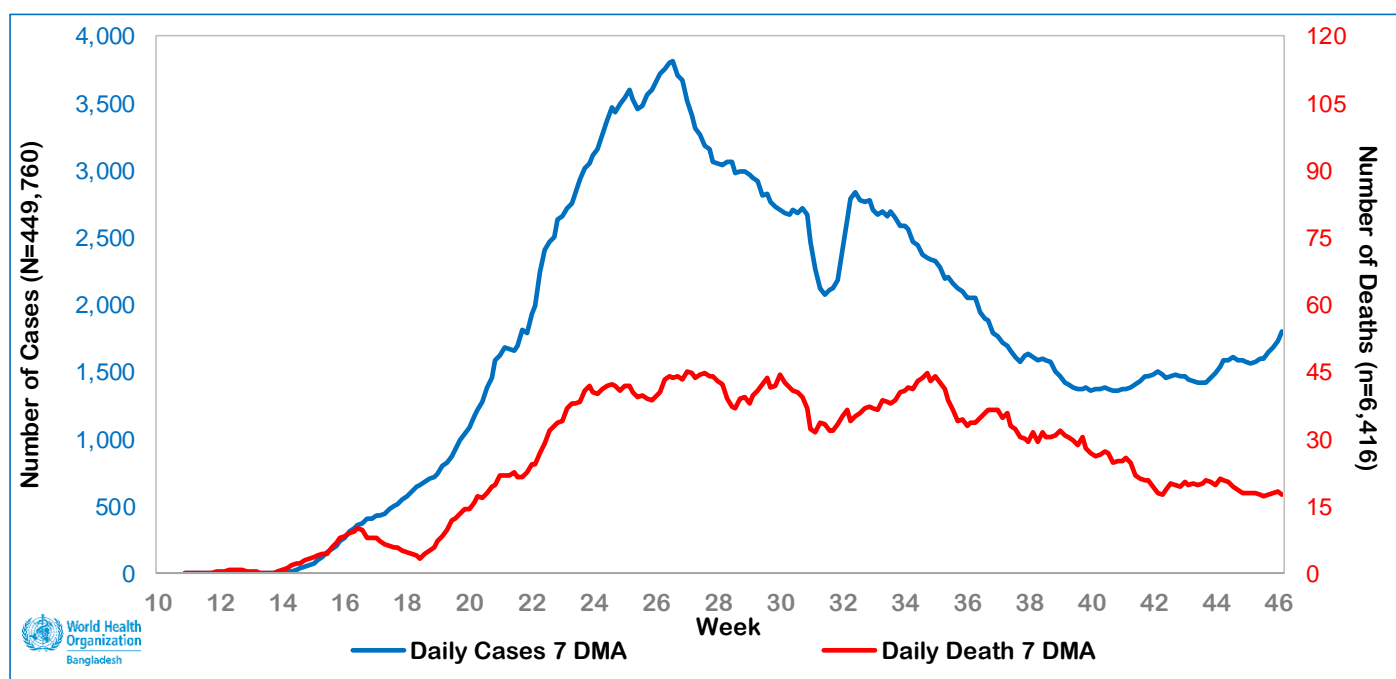
The figure below is showing the weekly test status and positivity of COVID-19, 08 March – 23 November 2020, Bangladesh
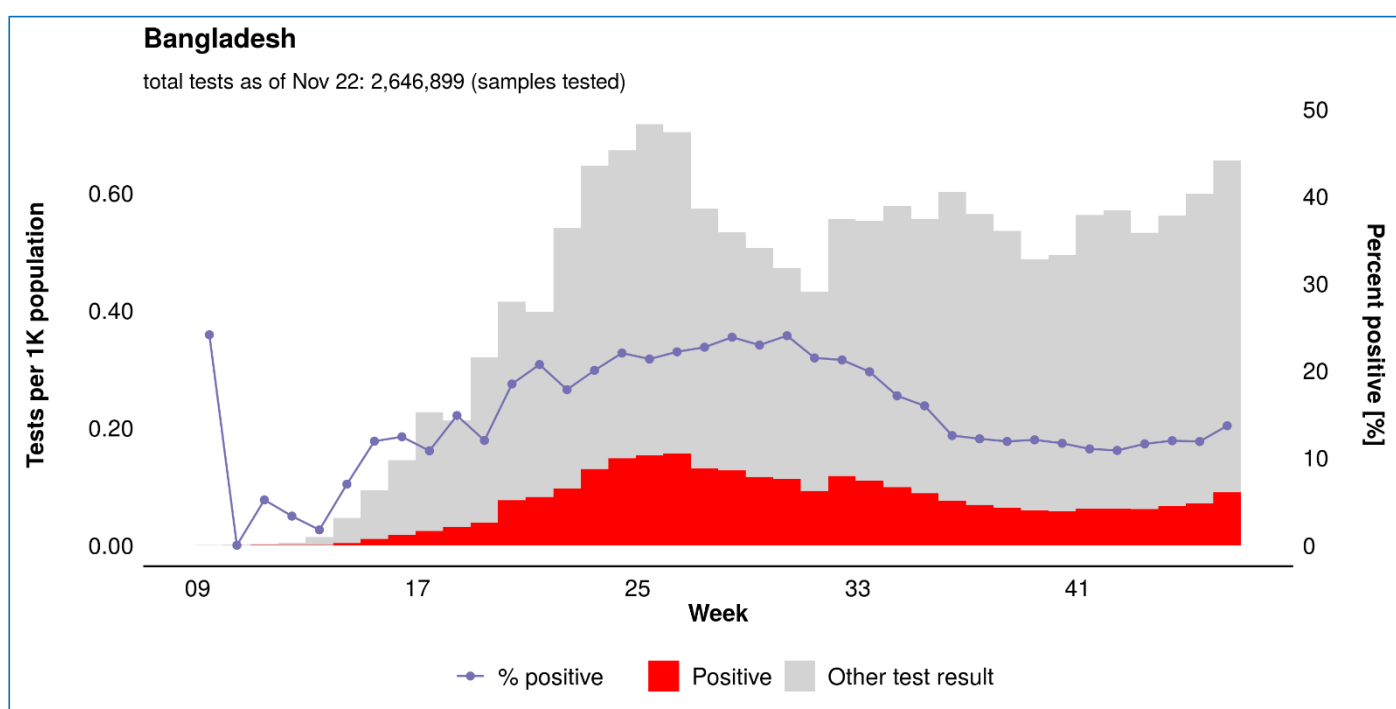
In the epidemiological week 47, number of new cases in Bangladesh is **15,008**; case per 100,000 population per week is **8.8**. New death is **194**; death per 100,000 per week in **0.11**. Weekly new tests is   **107,878**; tests per 100,000 per week is **63.3**; weekly test positivity is **13.9**.

3. Surveillance & Laboratory

In the reported week (epidemiological week 47), in comparison to the previous epidemiological week, the number of new weekly COVID-19 cases **increased** by 24.1% (**15,008** in week 47 and 12,095 in the previous week) while the number of COVID-19 new weekly deaths **increased** by **52.8**% (**194** and 127 respectively); Case Fatality Ratio (CFR) is **static** at **1.43** since last week.

As of 23 November 2020, among the reported cases **26.6**% cases were confirmed in people between 31 and 40 years old, **19.6**% - in the age group of 21 to 30, **19.2**% - 41 to 50 years and **15.9**% in the age group between 51 and 60 years old. The highest death rate (**31.5**%) was reported in the age group of 61 to 70 years old, **29.0**% in the older age group of 71 and above and **22.5**% in the age group between 51 and 60 years. Male represented **72%** and **77%** of the of total reported confirmed COVID-19 cases and deaths respectively.

The table below is showing divisional distribution of COVID-19 case and death, 08 March – 23 November 2020, Bangladesh

Division	Cumulative			Week 47		
	Cases	**Death**	**CFR (%)**	**Cases**	**Death**	**CFR (%)**
Dhaka	305,060	3,394	1.11	10,368	101	0.97
Chattogram	54,750	1,248	2.28	1,290	17	1.32
Khulna	23,557	486	2.06	340	9	2.65
Rajshahi	22,141	384	1.73	288	13	4.51
Sylhet	13,829	291	2.10	268	4	1.49
Rangpur	13,779	264	1.92	182	7	3.85
Barishal	9,643	218	2.26	132	5	3.79
Mymensingh	7,001	131	1.87	80	-	-
National	**449,760**	**6,416**	**1.43**	**12,948**	**156**	**1.20**

As of 23 November 2020, **67.8**% of reported cases were from **Dhaka** division, **12.2**% from **Chattogram**, **Khulna** – **5.2**%, **Rajshahi** – **4.9**%, **Sylhet** and **Rangpur** – **3.1**%, **Barishal** – **2.2**% and the lowest **1.6**% from **Mymensingh** division. While, **52.9**% of the reported death were from **Dhaka** division, **19.5**% from **Chattogram**, **Khulna** – **7.6**%, **Rajshahi** – **6.0**%, **Rangpur** – **4.5**%, **Sylhet** – **4.1**%, **Barishal** – **3.4**% and the lowest **2.0**% 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). During the last week cases increased in Khulna by **20.7**%, Mymensingh – **17.6**%, Chattogram – **14.3**%, Rangpur – **11.6**% and Dhaka by **7.8**%; while cases reduced in Sylhet by **41.1**%, Barishal – **18.0**% and Rajshahi division by **2.9**% than the previous week.

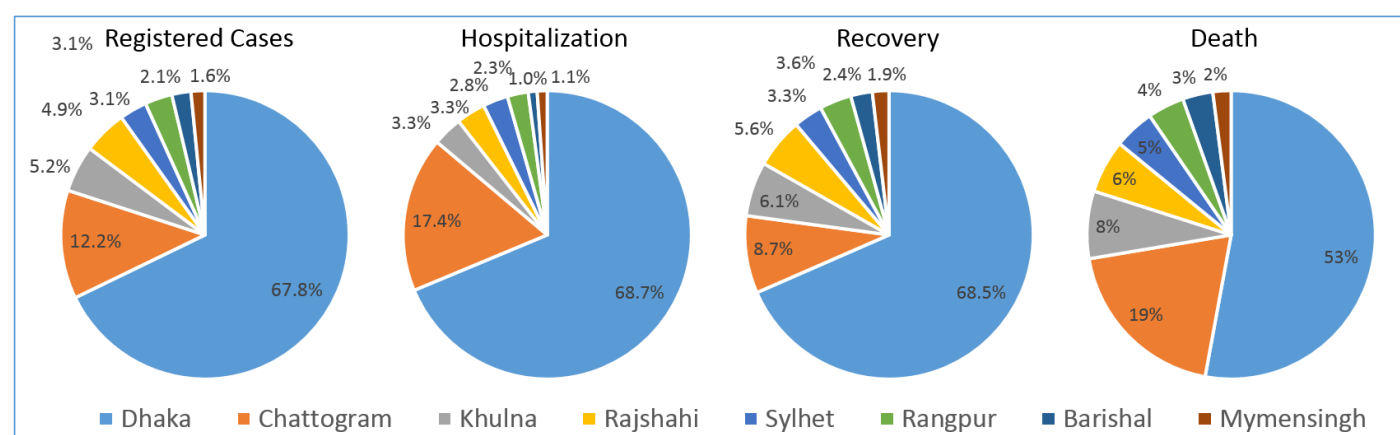**The figure below is showing the trend of COVID-19 Cases by division, 04 May – 22 November 2020, Bangladesh**
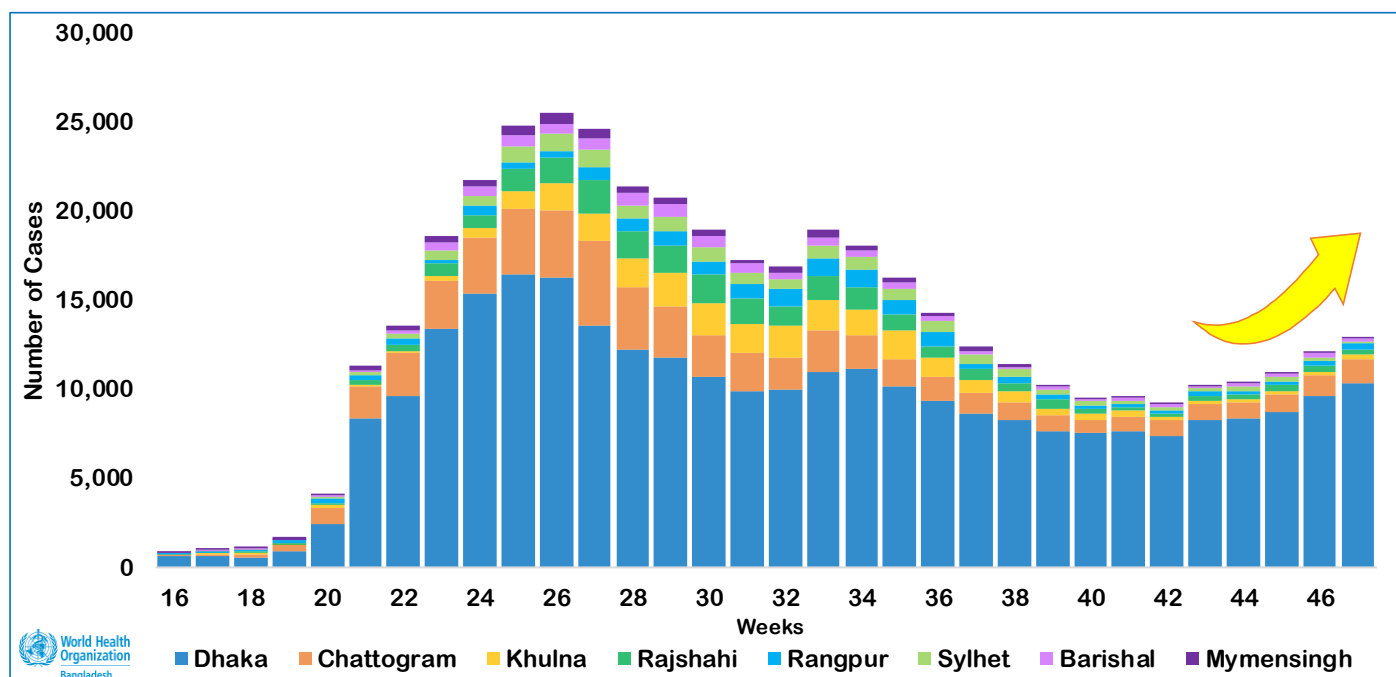
As on 23 November 2020, overall attack rate (**AR)** in Bangladesh is **264.1** per 100,000 population and **100% (64**/64) of districts with the estimated total population of 170,306,468 have reported confirmed COVID-19 cases. In the reported week (week 47), COVID-19 weekly average **AR** (263/100,000) increased by **3.5**% from the previous week.

The table below is showing Attack rate per million by District, 08 March – 23 November 2020, Bangladesh

Dhaka Div.	7,078	Chattogram Div.	1,628	Khulna Div.	1,269	Sylhet Div.	1,186
Dhaka City	30,463	Chattogram	2,637	Khulna	2,441	Sylhet	1,935
Faridpur	3,406	Cox's Bazar	1,996	Narail	1,733	Sunamganj	823
Rajbari	2,610	Bandarban	1,827	Kushtia	1,522	Maulvibazar	788
Munshiganj	2,306	Noakhali	1,425	Jashore	1,327	Habiganj	748
Narayanganj	2,188	Rangamati	1,418	Chuadanga	1,175		
Gopalganj	2,021	Cumilla	1,312	Jhenaidah	1,033		
Gazipur	1,527	Feni	1,210	Magura	920		
Shariatpur	1,331	Lakshmipur	1,097	Meherpur	902		
Madaripur	1,118	Khagrachhari	986	Bagerhat	564		
Dhaka (District)	996	Chandpur	877	Satkhira	476		
Narsingdi	983	Brahmanbaria	783				
Manikganj	980						
Kishoreganj	936						
Tangail	814						
Rajshahi Div.	**1,015**	**Barishal Div.**	**979**	**Rangpur Div.**	**741**	**Mymensingh Div.**	**539**
Barishal	1,581	Bogura	2,147	Dinajpur	1,111	Mymensingh	664
Jhalokathi	945	Rajshahi	1,766	Rangpur	1,011	Jamalpur	635
Barguna	933	Joypurhat	1,100	Thakurgaon	832	Sherpur	311
Patuakhali	865	Sirajganj	641	Lalmonirhat	623	Netrakona	294
Pirojpur	855	Natore	573	Panchagarh	599		
Bhola	407	Naogaon	451	Nilphamari	557		
		Pabna	435	Gaibandha	466		
		Chapainawabganj	399	Kurigram	390		

The map below is showing geographical distribution of COVID-19 Active Cases by District, Bangladesh

COVID-19 Active Cases
(As of 23 Nov. 2020)

BANGLADESH

Panchagarh (76%)
Nilphamari (95%)
Thakurgaon (86%)
Lalmonirhat (95%)
Kurigram (50%)
Dinajpur (93%)
Rangpur (85%)
RANGPUR
Gaibandha (85%)
Joypurhat (96%)
Jamalpur (96%)
Sherpur (99%)
Netrokona (87%)
Sunamganj (99%)
Sylhet (94%)
Naogaon (95%)
Mymensingh (98%)
SYLHET
Chapai Nawabganj (96%)
Bogura (91%)
RAJSHAHI
MYMENSHINGH
Moulvibazar (94%)
Rajshahi (94%)
Natore (85%)
Sirajganj (90%)
Tangail (93%)
Kishoreganj (95%)
Habiganj (84%)
Kushtia (97%)
Pabna (88%)
Gazipur (77%)
Narsingdi (64%)
Brahmanbaria (94%)
Meherpur (87%)
Rajbari (95%)
Manikganj (97%)
DHAKA
Dhaka (81%)
Narayanganj (93%)
Chuadanga (94%)
Jhenaidah (92%)
Faridpur (77%)
Munshiganj (95%)
Magura (92%)
Shariatpur (97%)
Chandpur (94%)
Cumilla (89%)
Khagrachhari (99%)
Narail (87%)
Madaripur (95%)
Jashore (92%)
Gopalganj (97%)
Lakshmipur (97%)
Feni (87%)
Rangamati (92%)
Barishal (89%)
CHATTOGRAM
Satkhira (94%)
Khulna (97%)
Pirojpur (95%)
Bagerhat (99%)
Jhalokati (91%)
Bhola (89%)
Noakhali (91%)
KHULNA
Patuakhali (95%)
BARISHAL
Chattogram (15%)
Barguna (94%)
Bandarban (88%)
Cox's Bazar (86%)

Legend

▲ **COVID-19 Test Laboratory (N=117)**

Active Cases

☐	Less than 50
☐	51 - 100
☐	101 - 500
☐	501 - 10,000
☐	10,001 - 46,861

(Recovery %)

N

0	25	50	75	100

Kilometers

World Health Organization
Bangladesh

*Data Source: HEOC & Control Room, DGHS*

Out of the total **449,760** COVID-19 cases registered as of 23 November 2020, **81.1**% (364,611) **recovered**, **1.43**% (6,416) **died** and **17.51**% (78,733) are **active cases**. In the epidemiological week 47, weekly average number of COVID-19 **active cases** increased by **0.2**%, in comparison to the previous week (**76,426** and 76,276 respectively); during the same time, weekly **recovery** has increased by **13.1**% (**12,886** and 11,397 respectively).

The figure below is showing trend of COVID-19 cases by Outcome, 08 March – 23 November 2020, Bangladesh
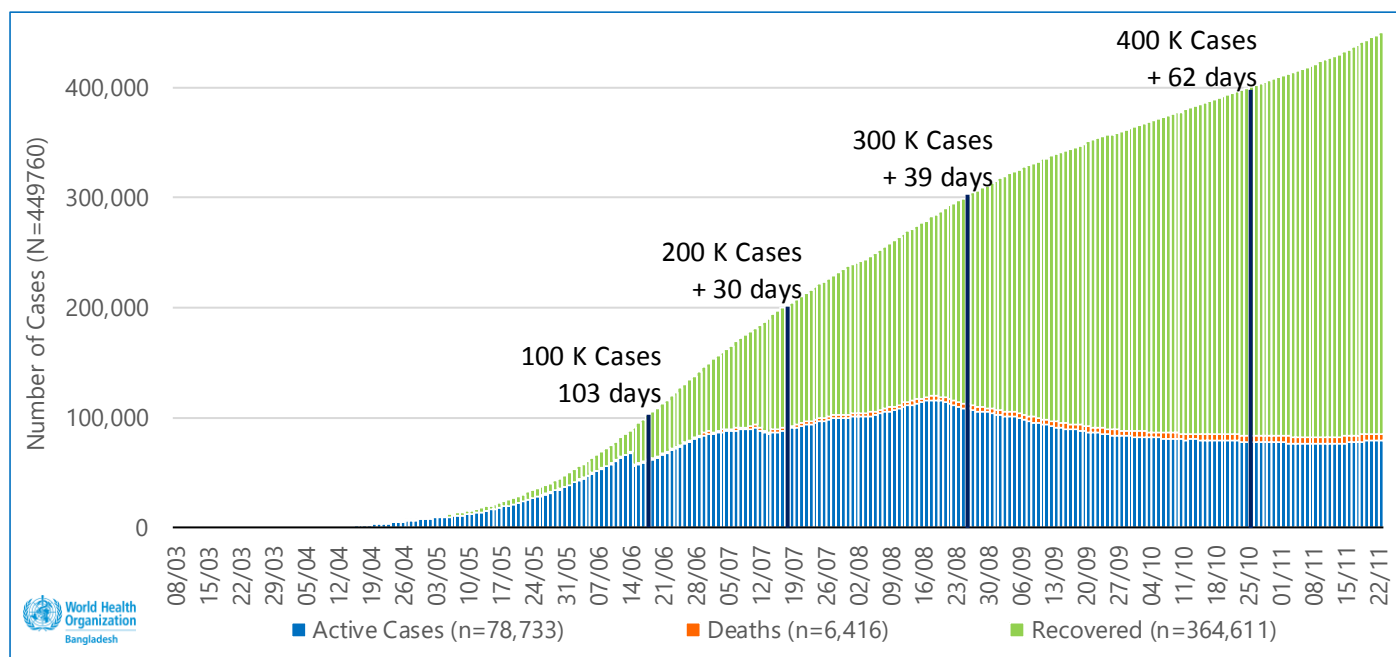
As of 23 November 2020, according to the DGHS Press Release **2,665,131** COVID-19 tests were conducted in Bangladesh with the overall positivity rate of **16.88**% (**15.06**% in last 24 hours) by **117** laboratories; **66** laboratories **(56.4**%**)** in Dhaka and **51** laboratories (**43.6**%) from outside Dhaka. One (1) government laboratory 'Colonel Malek Medical College, Manikganj' joined in the network of COVID-19 testing laboratories since the last update. Total **61.9**% **(1,651,021/** 2,665,131) of all samples were tested by the laboratories in Dhaka. As of 23 November 2020, test per case is **5.93** which indicates the number of tests required to identify 1 case.

The graph below is showing cumulative number of Samples tested and Positivity rate, 08 March – 23 November 2020, Bangladesh
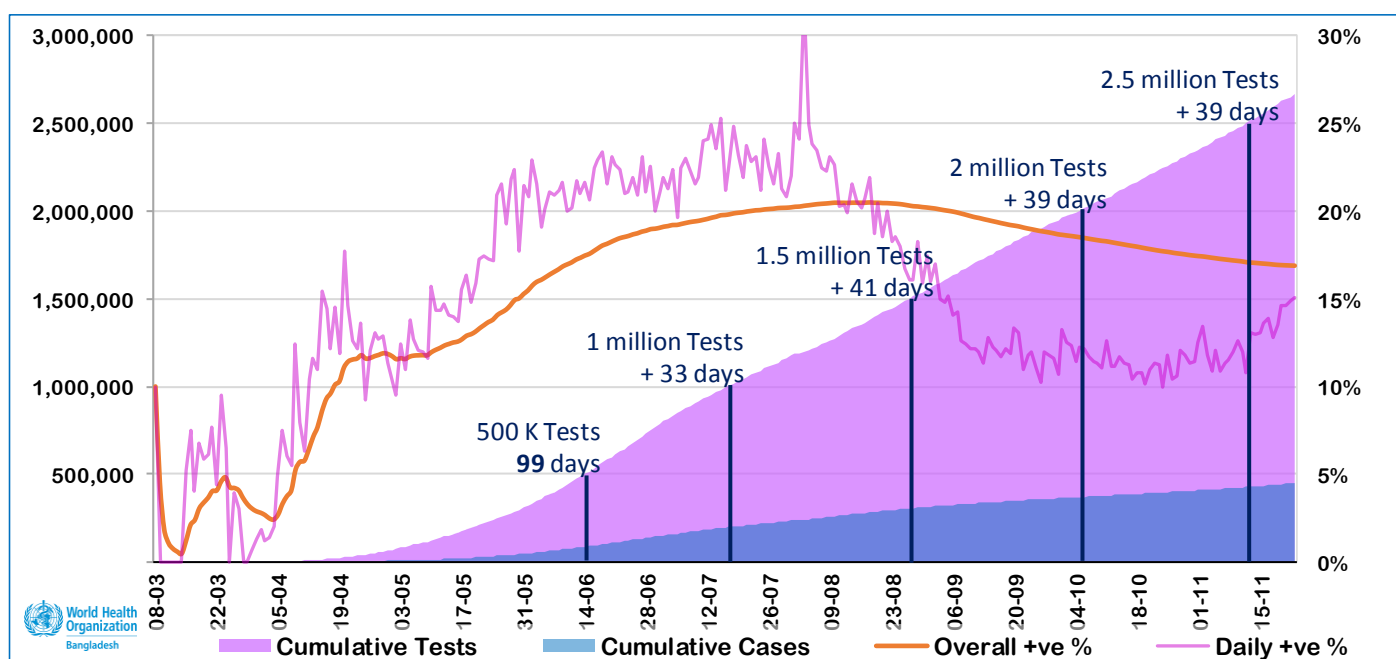
The table below is showing distribution of test positivity rate by district, 16 – 22 November 2020, Bangladesh

Rangpur Div.	15.0%	Chattogram Div.	14.9%	Dhaka Div.	13.1%	Barishal Div.	12.5%
Gaibandha	24.0%	Rangamati	27.5%	Munshiganj	27.3%	Barishal	17.5%
Panchagarh	20.0%	Bandarban	22.9%	Rajbari	19.3%	Jhalokati	11.8%
Rangpur	16.8%	Brahmanbaria	21.0%	Madaripur	18.4%	Barguna	8.1%
Thakurgaon	16.1%	Chattogram	17.1%	Shariatpur	16.9%	Bhola	7.9%
Dinajpur	13.2%	Cumilla	14.7%	Gopalganj	15.8%	Pirojpur	6.0%
Nilphamari	10.9%	Lakshmipur	12.7%	Tangail	15.6%	Patuakhali	3.2%
Lalmonirhat	6.0%	Cox's Bazar	10.3%	Gazipur	15.4%		
Kurigram	4.2%	Feni	10.0%	Faridpur	15.0%		
		Chandpur	8.5%	Narsingdi	13.6%		
		Noakhali	4.9%	Narayanganj	11.6%		
		Khagrachhari	0.0%	Dhaka	10.7%		
				Kishoreganj	6.9%		
				Manikganj	5.3%		
Rajshahi Div.	**10.2%**	**Khulna Div.**	**9.2%**	**Mymensingh Div.**	**6.1%**	**Sylhet Div.**	**6.0%**
Joypurhat	30.8%	Meherpur	22.4%	Jamalpur	7.9%	Sunamganj	9.1%
Naogaon	14.8%	Narail	20.8%	Netrokona	6.6%	Habiganj	8.5%
Natore	14.5%	Jashore	18.9%	Mymensingh	6.1%	Sylhet	5.8%
Bogura	14.4%	Jhenaidah	18.3%	Sherpur	1.5%	Moulvibazar	4.2%
Pabna	11.7%	Magura	16.2%				
Chapai Nawabganj	7.0%	Chuadanga	11.6%				
Rajshahi	6.2%	Kushtia	5.3%				
Sirajganj	4.1%	Khulna	3.6%				
		Satkhira	2.4%				
		Bagerhat	0.0%				

4. Points of Entry & Quarantine

In the reported week (week 47), the number of international flights has increased by **2.8**%, in comparison to the previous week (**148** and 144 respectively) leading to increase in the number of incoming passengers by **6.8**% (**24,455** and 22,896 respectively). In the reported week **1361** individuals were sent to Institutional Quarantine after passenger screening at the Hazrat Shahjalal International Airport (HSIA).

The figure below is showing the incoming flow of flights and passengers captured through PoE Surveillance, 26 April – 22 November 2020, Bangladesh
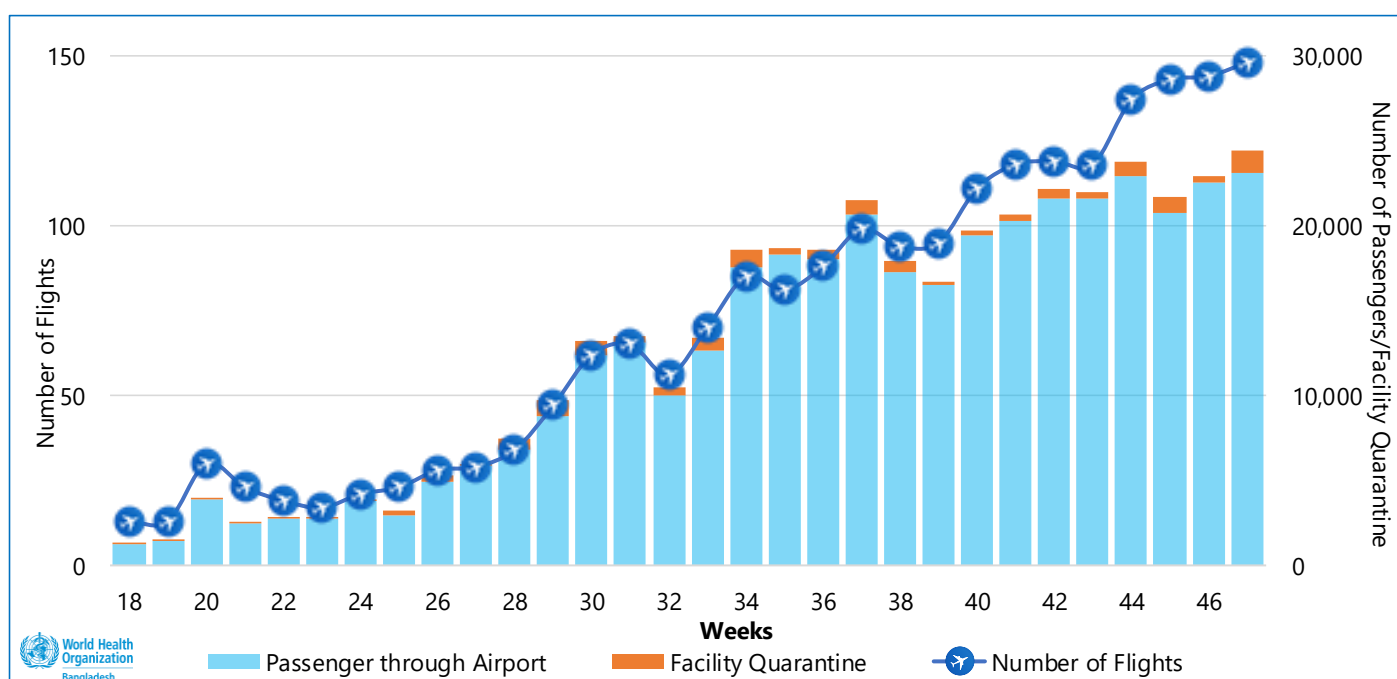
According to DGHS, as of 19 November 2020, the current institutional quarantine capacity in the country is represented by **629** centres across the 64 districts, which can receive **31,991** persons. A total of **40,647** individuals were placed in quarantine facilities and of them **35,329** (86.9%) have already been released. Over the same period, total of **89,768** individuals were isolated in designated health facilitates and of them **77,294** (86.1%) have been released.

The map below is showing geographical distribution of incoming flights and travellers captured through PoE Surveillance, week 47, 2020, Bangladesh
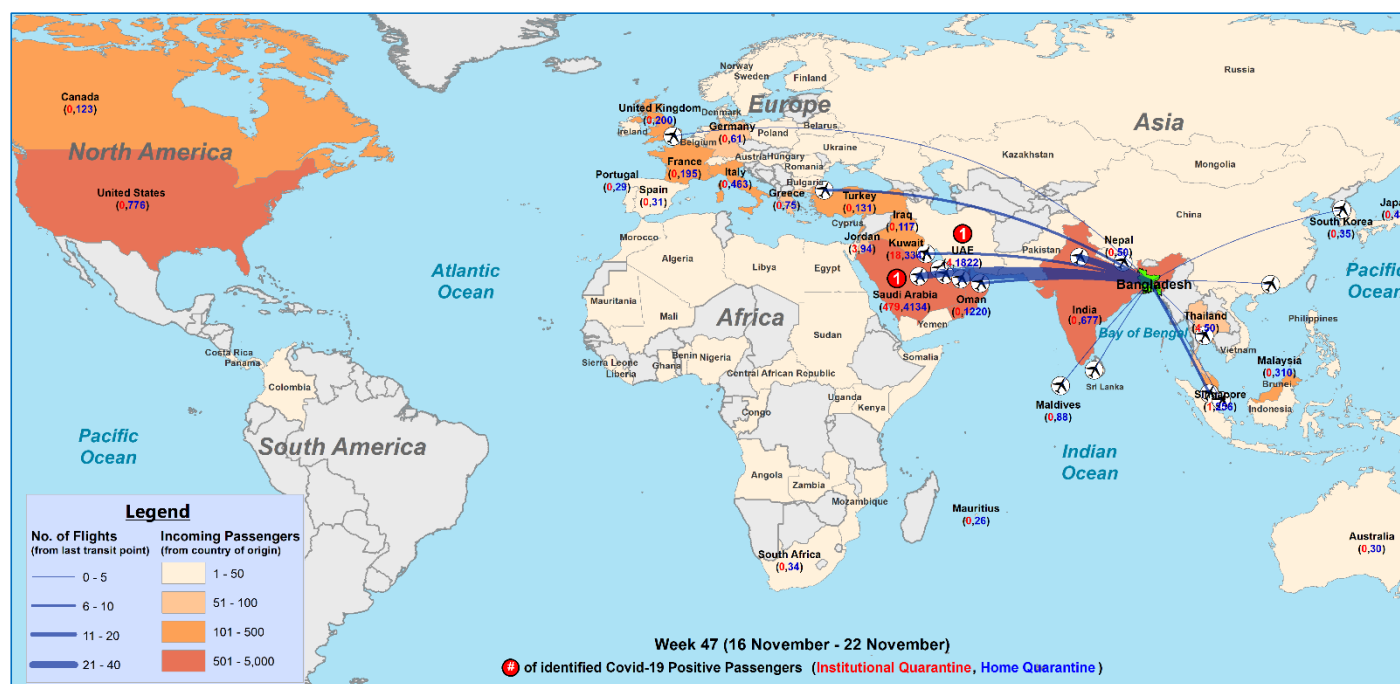
The table below is showing distribution of incoming travellers in last 14 days (N=47,351) sent to Home Quarantine as captured through PoE Surveillance, 09 – 23 November 2020, Bangladesh

Chattogram Div.	14,670	Dhaka Div.	14,510	Sylhet Div.	3,253	Khulna Div.	2,576
Cumilla	4,252	Dhaka	6,369	Sylhet	1,422	Jashore	562
Chattogram	2,630	Tangail	1,123	Moulvibazar	709	Kushtia	352
Brahmanbaria	2,077	Narayanganj	951	Habiganj	659	Bagerhat	335
Noakhali	1,595	Munshiganj	846	Sunamganj	463	Khulna	325
Chandpur	1,459	Narsingdi	839			Jhenaidah	243
Feni	1,092	Gazipur	765			Satkhira	197
Lakshmipur	908	Kishoreganj	758			Meherpur	177
Cox's Bazar	593	Faridpur	725			Narail	155
Khagrachhari	30	Manikganj	600			Chuadanga	115
Bandarban	17	Shariatpur	540			Magura	115
Rangamati	17	Madaripur	534				
		Rajbari	254				
		Gopalganj	206				
Rajshahi Div.	**1,944**	**Barishal Div.**	**1,371**	**Mymensingh Div.**	**1,116**	**Rangpur Div.**	**632**
Pabna	461	Barishal	527	Mymensingh	666	Rangpur	151
Bogura	399	Bhola	266	Jamalpur	230	Dinajpur	150
Rajshahi	231	Pirojpur	200	Netrokona	149	Gaibandha	116
Naogaon	228	Barguna	139	Sherpur	71	Nilphamari	64
Chapai Nawabganj	218	Patuakhali	132			Kurigram	55
Sirajganj	182	Jhalokati	107			Thakurgaon	54
Natore	147					Lalmonirhat	22
Joypurhat	78					Panchagarh	20

5.　Case Management and Infection Prevention & Control

According to DGHS, as of 23 November 2020, there are **11,428** general beds in the country of which **30.6**% (3,494) in Dhaka city and **555** ICU of which **54.9**% (305) in Dhaka city dedicated for COVID-19 treatment. Presently **25.5**% of the general beds and **53.9**% ICU beds are occupied all over the country.

The table below is showing a temporal comparison of COVID-19 dedicated facilities, week 45 and week 47, 2020, Bangladesh

	National			Dhaka		
	23 NOV 2020	09 NOV 2020	Trend	23 NOV 2020	09 NOV 2020	Trend
General Beds	**11,428**	11,608	↓	**3,494**	3,519	↓
Bed Occupancy	**25.5%**	21.9%	↑	**62.1%**	52.9%	↑
ICU	**555**	564	↓	**305**	314	↓
ICU Occupancy	**53.9%**	44.8%	↑	**72.8%**	57.6%	↑
Oxygen cylinder	**13,603**	13,095	↑			
High flow nasal cannula	**604**	579	↑			
Oxygen concentrator	**397**	363	↑			

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://www.who.int/bangladesh/emergencies/Rohingyacrisis/bulletin–and–reports

- 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://openwho.org/channels/COVID-19*

- 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–situation–updates