World Health Organization Bangladesh

COVID-19

26 October 2020
Morbidity and Mortality
Weekly Update (MMWU) N°35

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

Photo Credit: Social Media Bangladesh

Tested	Confirmed Cases	Recovered	Death	Hotline
2,271,347	400,251	316,600	5,818	22 million

Test/1 million	Daily New Cases	Recovery Rate	CFR%	AR/1 million
13,337	1,436	79.1%	1.80	2,350

Laboratories	PPE Stock	PoE Screening
111 COVID-19 Labs	882,295	647,669
Last 7 days	2,712,270	45,664
92,633 Samples	136,852	7,029
61.1% Inside Dhaka Tests **17.6%** Overall Positivity	1,713,229	390,514

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

1.   Global Situation

Globally, as of 10:06 PM, 26 October 2020 there have been 42,966,344 confirmed cases of COVID-19, including 1,152,604 deaths received by WHO from national authorities. USA, the world's worst hit country, has counted 8,485,747 (82,626) cases with 223,328 (821) deaths reported to WHO. While, France reported the second highest new cases (52,010) and India reported second highest new deaths (480) at the same cut off time.

The figure below is showing the weekly number of reported new death of COVID-19 by WHO region, 01 January – 26 October 2020

New confirmed deaths, by date of report (n = 1,152,604)

Source: COVID Intel database
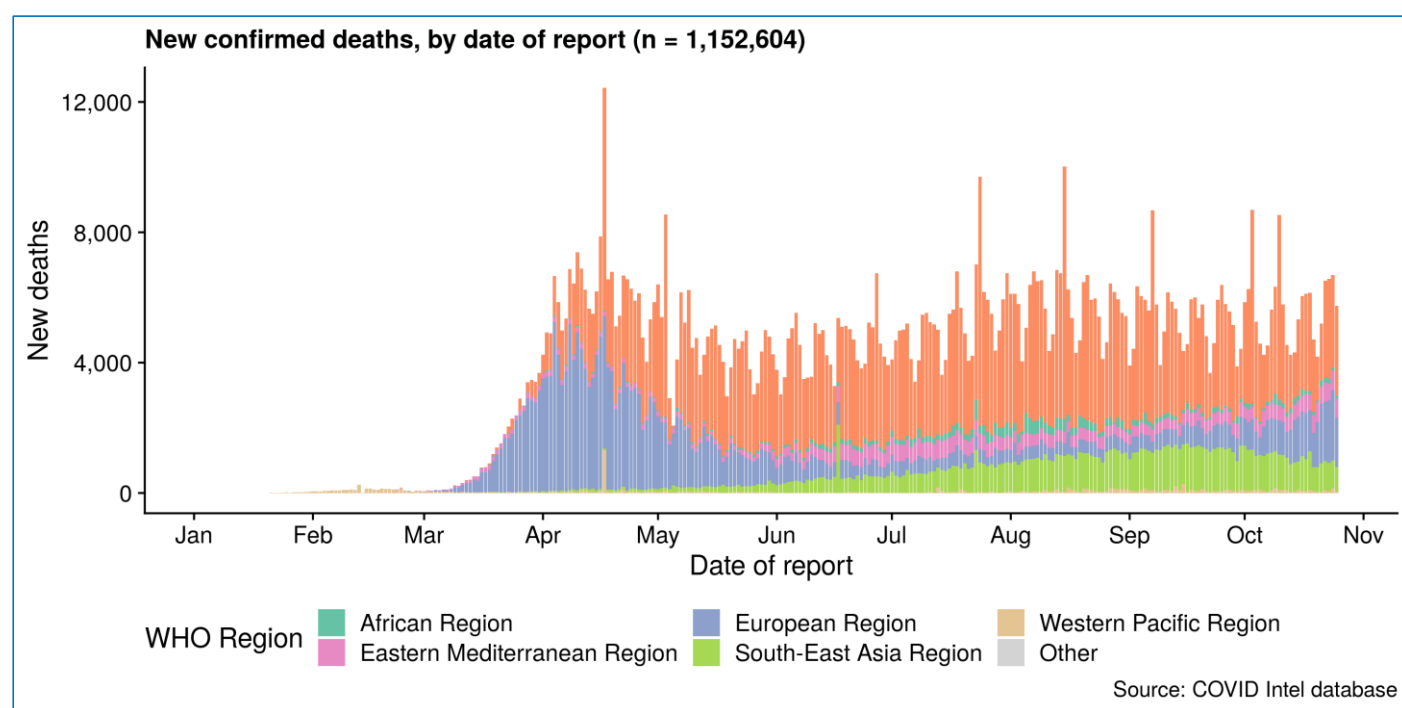
The figure below shows top ranked countries for total cases of confirmed COVID-19, deaths and new cases, 01 January – 26 October 2020

Cases

USA	8,485,747
India	7,909,959
Brazil	5,380,635
Russia	1,531,224
France	1,107,952
Argentina	1,081,336
Spain	1,046,132
Colombia	1,007,711
Mexico	886,800
Peru	886,214
BAN (18th)	400,251

Deaths

USA	223,328
Brazil	156,903
India	119,014
Mexico	88,743
UK	44,896
Italy	37,338
Spain	34,752
France	34,478
Peru	34,095
Iran	32,616
BAN (31th)	5,818

New Cases

USA	82,626
France	52,010
India	45,148
Brazil	26,979
Italy	21,273
UK	19,790
Russia	17,347
Argentina	11,968
Poland	11,742
Ukraine	11,514
BAN (41th)	1,094

2. Bangladesh Situation

Between 8 March and 26 October 2020, according to the DGHS Press Release <*https://corona.gov.bd/press-release*> there were four hundred thousand two hundred fifty-one (**400,251**) COVID-19 confirmed by rRT-PCR, including five thousand eight hundred eighteen (**5,818**) related deaths (**CFR 1.80**%). Bangladesh is the top 18th country in the world and accounts for about 1% of the COVID-19 disease burden in the world.

The figure below is showing the daily reported confirmed COVID-19 cases and deaths, 08 March – 25 October 2020, Bangladesh
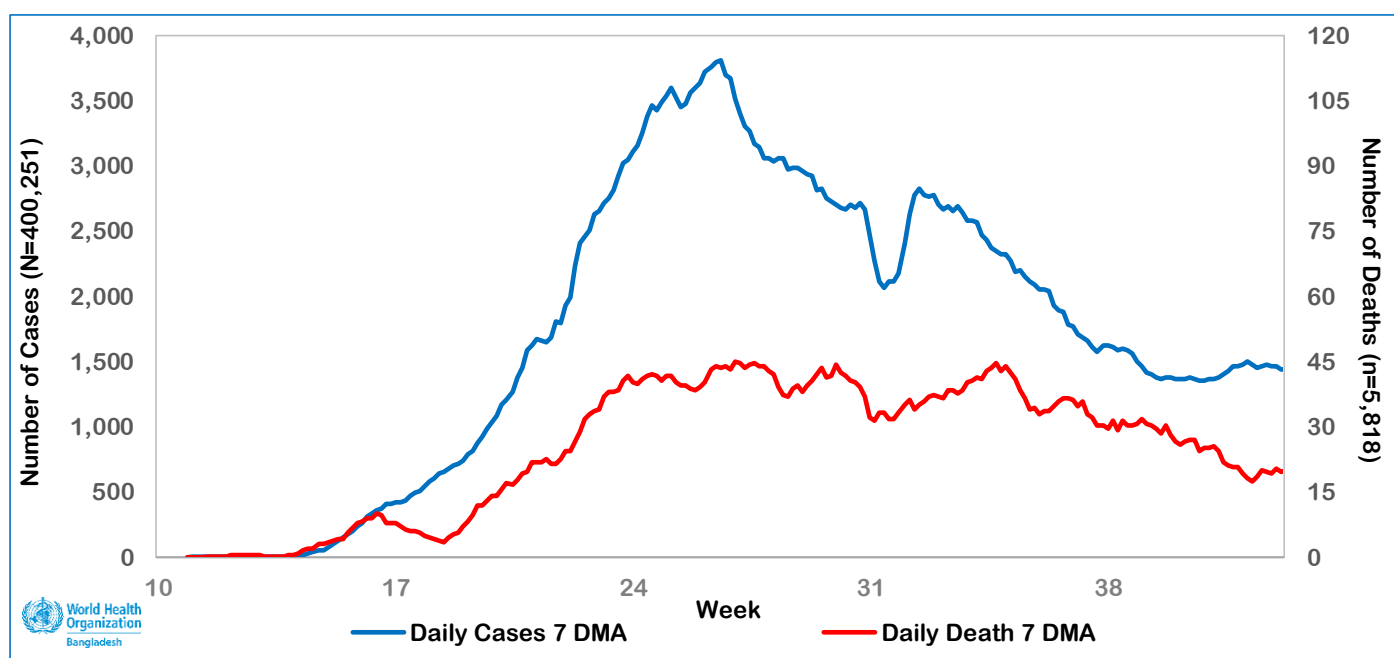
The figure below is showing the daily reported confirmed COVID-19 cases and deaths, 08 March – 25 October 2020, Bangladesh
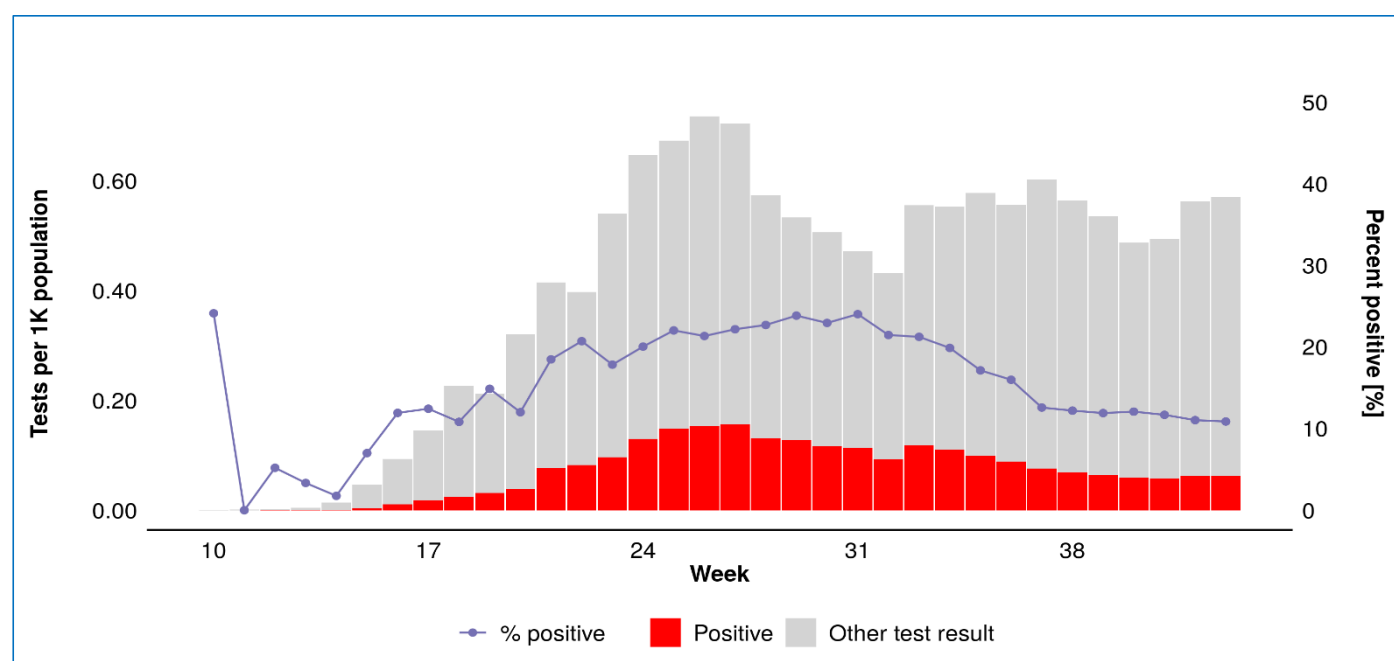
In the epidemiological week 43, number of new cases in Bangladesh is **10,246**; case per million population per week is 60. New death is **143**; death per million per week in **0.8**. Weekly new tests is **94,021**; tests per million per week is **552**; weekly test positivity is **10.9**.

3.   Surveillance & Laboratory

In the reported week (epidemiological week 43), in comparison to the previous epidemiological week, the number of new weekly COVID-19 cases **decreased** by **0.55**% (**10,246** in week 43 and 10,303 in the previous week) while the number of COVID-19 new weekly deaths **increased** by **5.1** (**143** and **136** respectively); IFR is **constant** at **1.46**% in the current week while the Case Fatality Ratio (CFR) **decreased** from **1.83** last week to **1.81** in the current week.

As of 26 October 2020, among the reported cases **26.7**% cases were confirmed in people between 31 and 40 years old, **20.0**% - in the age group of 21 to 30, **18.9**% - 41 to 50 years and **15.2**% in the age group between 51 and 60 years old. The highest death rate (**31.4**%) 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 figure below is showing Age-Sex distribution of COVID-19 cases and deaths, 08 March – 26 October 2020, Bangladesh
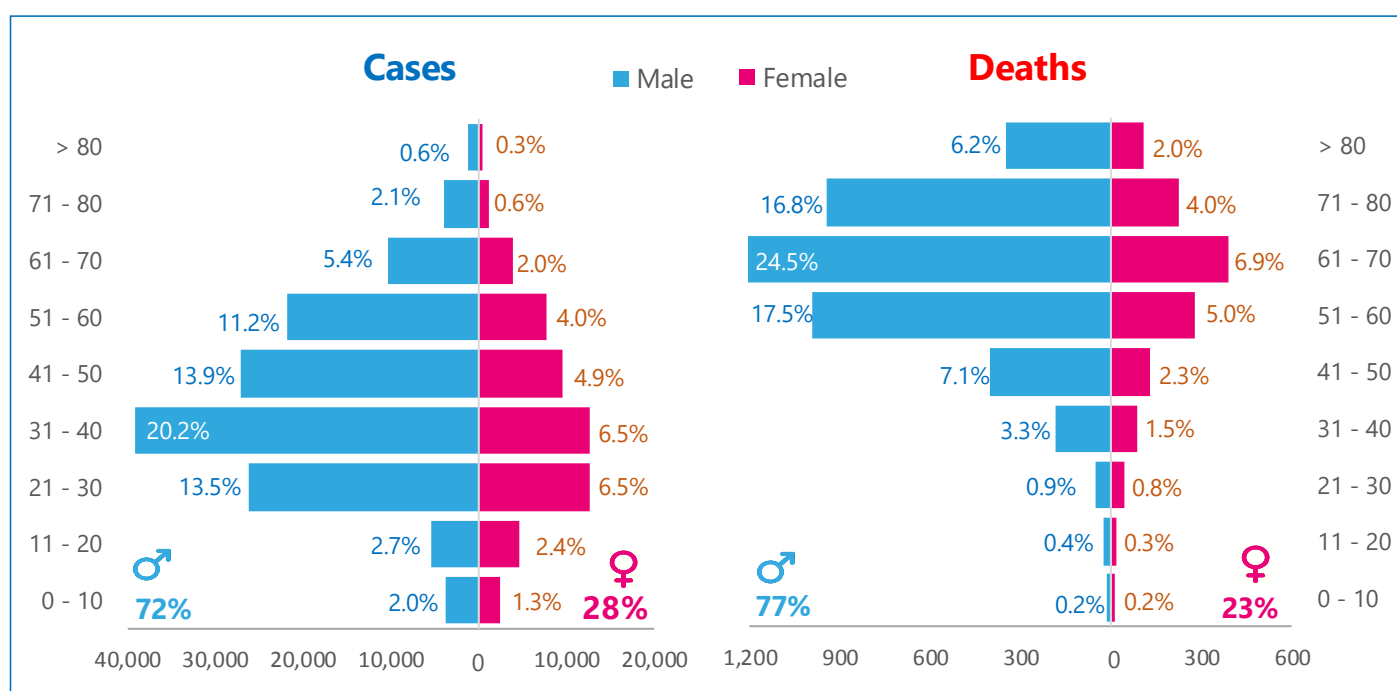
The table below is showing divisional distribution of COVID-19 case and death, 08 March – 26 October 2020, Bangladesh

Division	Cumulative			Week 42		
	Cases	Death	CFR (%)	Cases	Death	CFR (%)
Dhaka	265,312	2,969	1.12	8,785	114	1.30
Chattogram	50,192	1,182	2.35	1,864	32	1.72
Khulna	22,586	469	2.08	440	14	3.18
Rajshahi	20,833	370	1.78	522	10	1.92
Sylhet	13,042	242	1.86	416	2	0.48
Rangpur	12,807	261	2.04	440	8	1.82
Barishal	8,803	204	2.32	206	0	0.00
Mymensingh	6,676	121	1.81	128	4	3.13
Total	**400,251**	**5,818**	**1.45**	**12,801**	**184**	**1.44**

As of 26 October 2020, **66.3**% of reported cases were from **Dhaka** division, **12.5**% from **Chattogram**, **Khulna** – **5.6**%, **Rajshahi** - **5.2**%, **Sylhet** - **3.3** and **Rangpur** - **3.2**%, **Barishal** - **2.2**% and the lowest **1.7**% from **Mymensingh** division. While, **51.0**% of the reported death were from **Dhaka** division, **20.3**% from **Chattogram**, **Khulna** - **8.0**%, **Rajshahi** - **6.3**%, **Rangpur** - **4.5**%, **Sylhet** - **4.2**%, **Barishal** - **3.5**% and the lowest **2.1**% from **Mymensingh** division.

The figure below is showing the weekly reported confirmed COVID-19 cases by division, 13 April – 25 October 2020, Bangladesh
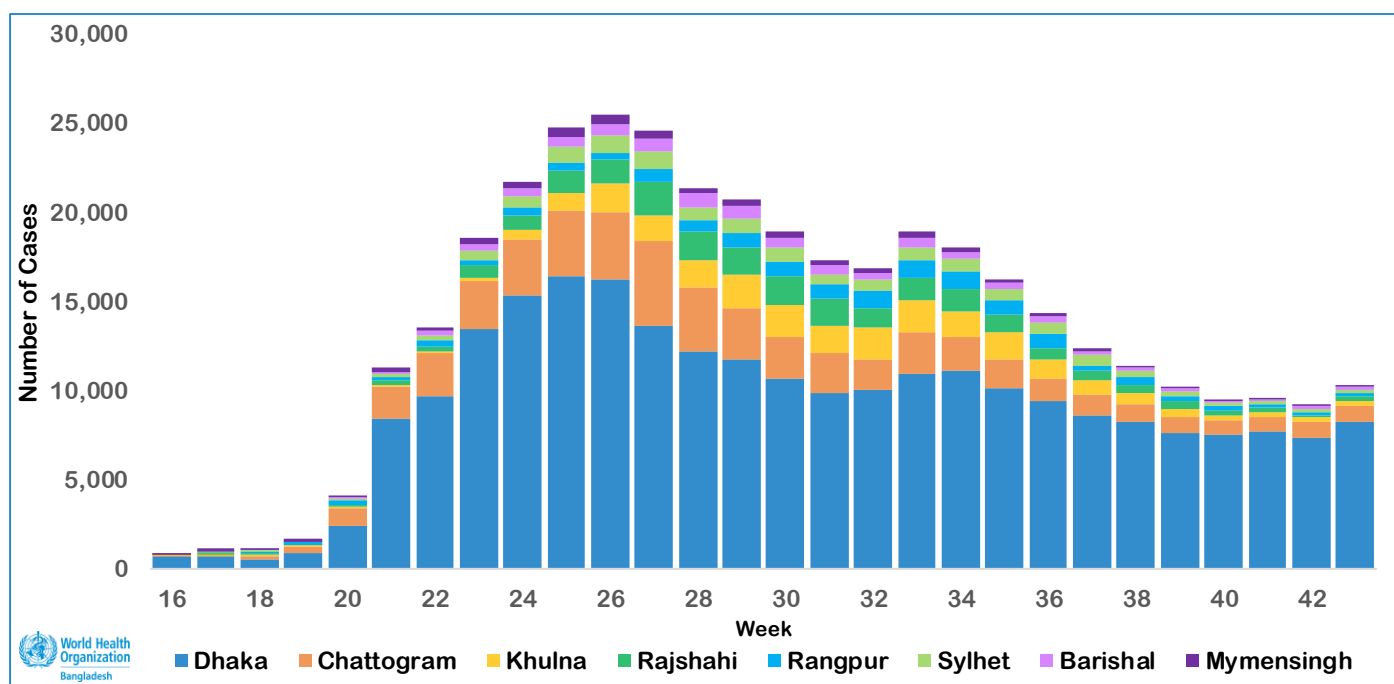
The highest number of weekly cases (**25,481**) reported in epi-week **26** (22-28 JUN 2020) while the highest weekly death (**314**) recorded in the following week **27** (29 JUN – 05 JUL 2020). During last week cases in Dhaka division increased by **11.4**% and death increased by **11.3**%.

The figure below is showing the weekly reported confirmed COVID-19 deaths by division, 13 April – 25 October 2020, Bangladesh
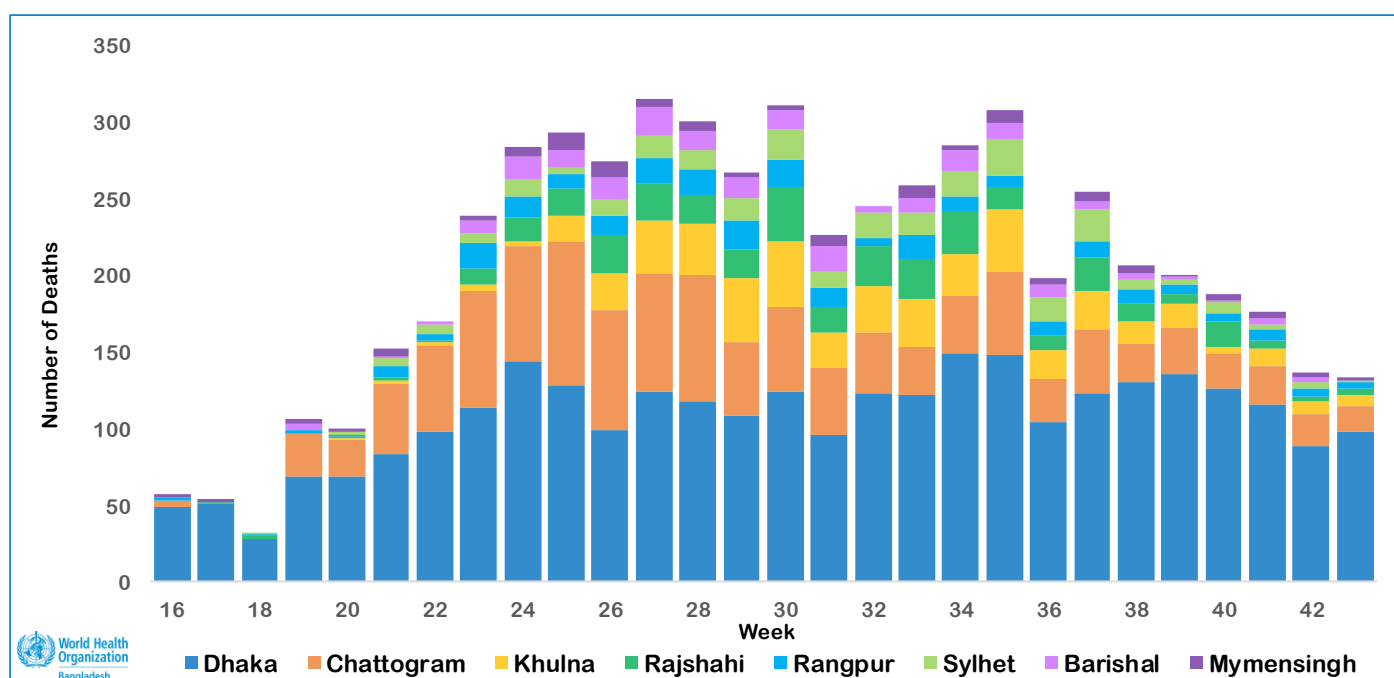
As on 26 October 2020, Bangladesh overall attack rate (**AR)** is **2,291** per 1 million and **100% (64**/64) of districts with the estimated total population of 170,306,468 have reported confirmed COVID-19 cases. In the reported week (epidemiological week 43), COVID-19 weekly average **AR** (2,342) increased by **2.6**% in comparison to the previous week.

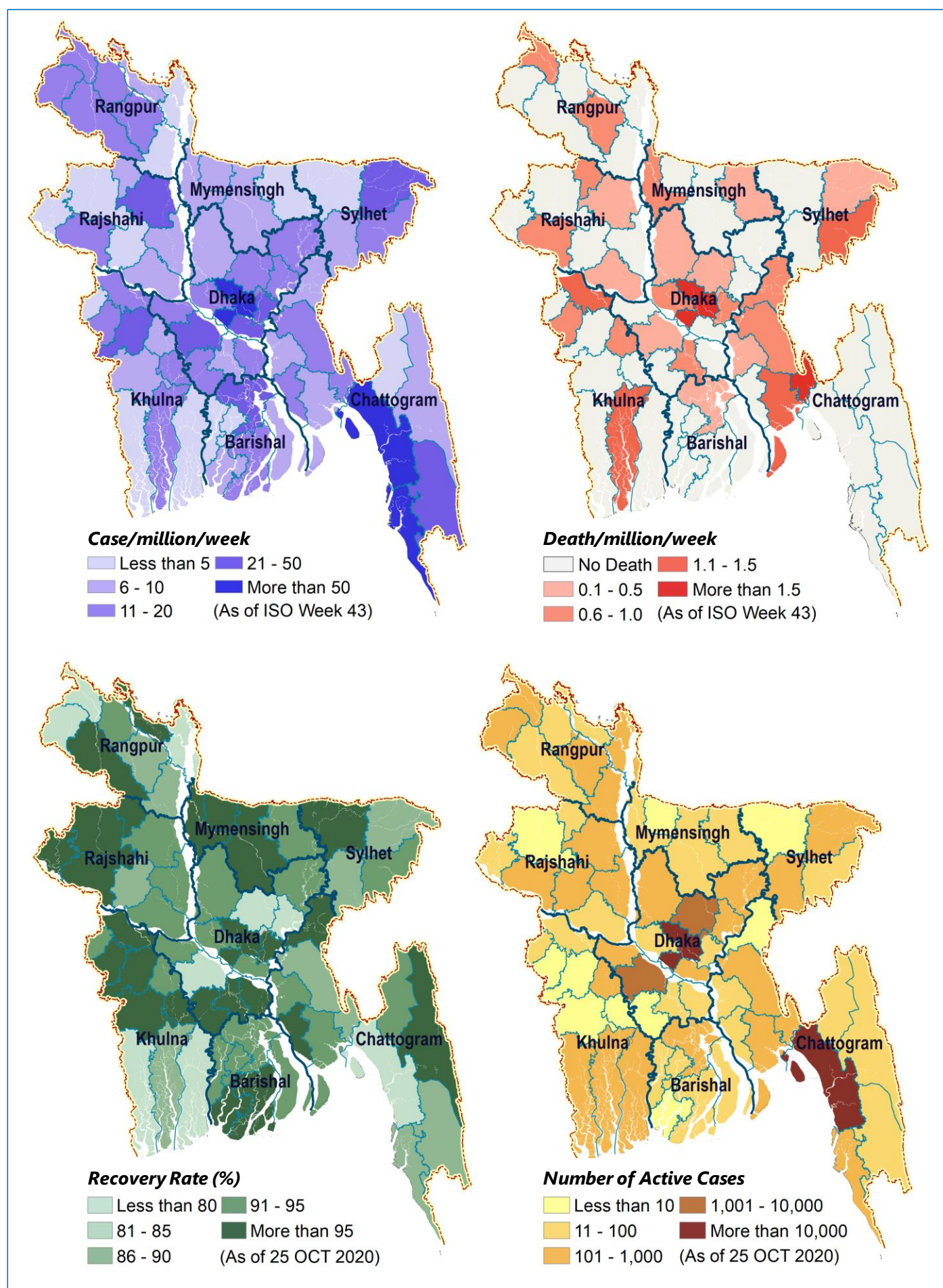***The table below is showing Attack rate per million by District, 08 March – 26 October 2020, Bangladesh***

Dhaka div.	6,106	Chattogram div.	1,488	Khulna div.	1,215	Sylhet div.	1,108
Dhaka City	26,059	Chattogram	2,305	Khulna	2,368	Sylhet	1,772
Faridpur	3,267	Cox's Bazar	1,861	Narail	1,643	Sunamganj	804
Rajbari	2,541	Bandarban	1,751	Kushtia	1,471	Maulvibazar	765
Munshiganj	2,146	Noakhali	1,382	Jashore	1,248	Habiganj	716
Narayanganj	2,032	Rangamati	1,308	Chuadanga	1,130		
Gopalganj	1,914	Cumilla	1,236	Jhenaidah	977		
Gazipur	1,410	Feni	1,149	Magura	874		
Shariatpur	1,297	Lakshmipur	1,075	Meherpur	831		
Madaripur	1,082	Khagrachhari	978	Bagerhat	562		
Manikganj	951	Chandpur	827	Satkhira	468		
Narsingdi	926	Brahmanbaria	744				
Dhaka district	921						
Kishoreganj	869						
Tangail	770						
Rajshahi div.	**951**	**Barishal div.**	**891**	**Rangpur div.**	**684**	**Mymensingh div.**	**513**
Bogura	1,996	Barishal	1,384	Dinajpur	1,027	Mymensingh	631
Rajshahi	1,660	Jhalokathi	888	Rangpur	892	Jamalpur	610
Joypurhat	1,043	Barguna	877	Thakurgaon	770	Sherpur	301
Sirajganj	613	Pirojpur	840	Lalmonirhat	608	Netrakona	276
Natore	531	Patuakhali	823	Panchagarh	556		
Naogaon	429	Bhola	361	Nilphamari	538		
Pabna	404			Gaibandha	434		
Chapainawabganj	388			Kurigram	382		

Out of the total **400,251** COVID-19 cases registered as of 26 October 2020, **79.1**% (316,600) **recovered**, **1.45**% (5,818) **died** and **19.45**% (77,833) are **active cases**. In the epidemiological week 43, weekly average number of COVID-19 **active cases** decreased by **2.5**%, in comparison to the previous week (**78,491** and 80,522 respectively); during the same time, weekly **recovery** has increase by **0.2**% (**11,135** and 11,112 respectively).

The figure below is showing the overall daily Cases by Division, 04 May – 26 October 2020, Bangladesh
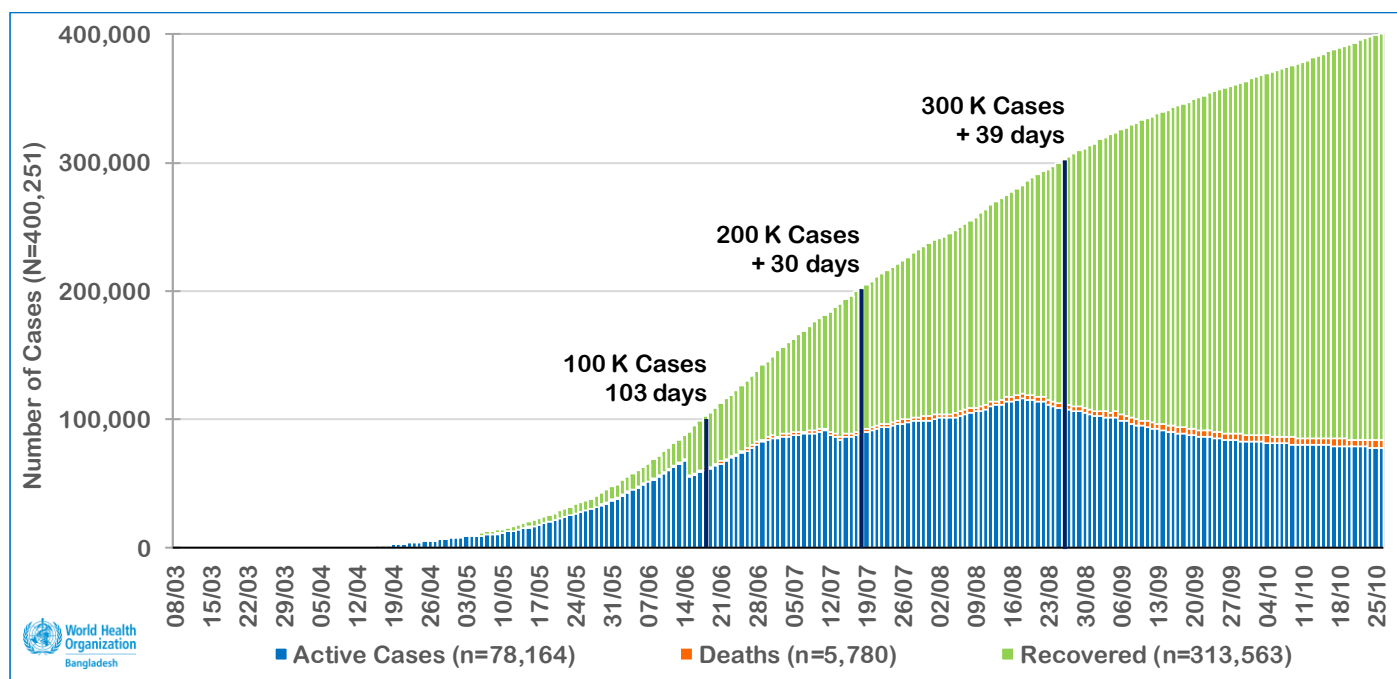
The map below is showing geographical distribution of COVID-19 cases, death, recovery rate and active cases

Case/million/week

Less than 5	21 - 50
6 - 10	More than 50
11 - 20	(As of ISO Week 43)

Death/million/week

No Death	1.1 - 1.5
0.1 - 0.5	More than 1.5
0.6 - 1.0	(As of ISO Week 43)

Recovery Rate (%)

Less than 80	91 - 95
81 - 85	More than 95
86 - 90	(As of 25 OCT 2020)

Number of Active Cases

Less than 10	1,001 - 10,000
11 - 100	More than 10,000
101 - 1,000	(As of 25 OCT 2020)

As of 26 October 2020, according to the DGHS Press Release **2,271,347** COVID-19 tests with the overall positivity rate of **17.6**% (**10.4**% in last 24 hours) were conducted in Bangladesh by **111** laboratories; **64** laboratories **(57.7**%) in Dhaka and **47** laboratories (**42.3**%) from outside Dhaka. One (1) government Lab, Shaikh Saira Khatun Medical College and Hospital, Gopalganj joined in the network of COVID-19 testing laboratories since the last update. Total **61.1**% **(1,388,325**/2,271,347) of all samples were tested by the laboratories in Dhaka. As of 26 October 2020, test per case is **5.7** which indicates the number of tests required to identify 1 case.

The graph below is showing cumulative number of of Samples tested and Positivity rate, 08 March – 19 October 2020, Bangladesh
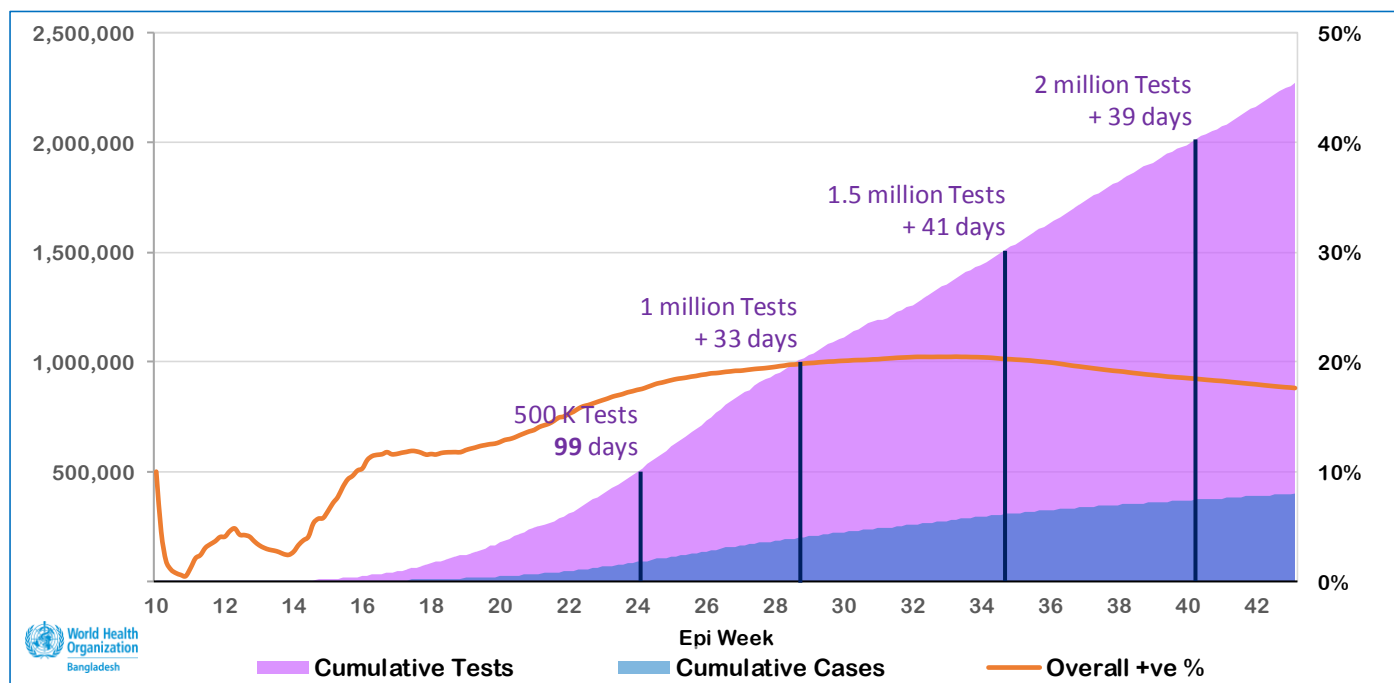
The table below is showing distribution of test positivity rate by district, 12 – 25 October 2020, Bangladesh

Barishal div.	13.8%	Chattogram div.	12.0%	Dhaka div.	11.2%	Rangpur div.	10.9%
Jhalokati	18.0%	Bandarban	22.8%	Munshiganj	24.0%	Panchagarh	25.3%
Patuakhali	17.0%	Cox's Bazar	22.8%	Shariatpur	21.9%	Thakurgaon	19.7%
Barishal	13.9%	Khagrachhari	22.5%	Narsingdi	18.9%	Lalmonirhat	17.1%
Bhola	13.6%	Lakshmipur	19.5%	Dhaka	16.1%	Nilphamari	15.8%
Pirojpur	12.8%	Cumilla	16.1%	Gopalganj	15.6%	Kurigram	11.3%
Barguna	6.7%	Chattogram	11.9%	Faridpur	14.9%	Dinajpur	8.8%
		Feni	11.9%	Tangail	12.5%	Rangpur	8.3%
		Rangamati	7.6%	Rajbari	10.5%	Gaibandha	7.3%
		Chandpur	7.1%	Kishoreganj	8.1%		
		Noakhali	4.6%	Gazipur	8.0%		
		Brahmanbaria	4.1%	Narayanganj	7.3%		
				Manikganj	7.2%		
				Madaripur	5.5%		
Khulna div.	**9.9%**	**Sylhet div.**	**6.9%**	**Rajshahi div.**	**5.9%**	**Mymensingh div.**	**5.4%**
Narail	34.9%	Habiganj	17.4%	Bogura	10.9%	Jamalpur	9.0%
Jhenaidah	20.0%	Moulvibazar	13.5%	Joypurhat	8.3%	Sherpur	7.3%
Chuadanga	15.6%	Sunamganj	7.7%	Naogaon	5.1%	Mymensingh	4.1%
Jashore	12.1%	Sylhet	6.15	Pabna	5.0%	Netrokona	3.7%
Meherpur	8.9%			Rajshahi	4.0%		
Magura	8.8%			Sirajganj	3.1%		
Khulna	8.7%			Natore	3.0%		
Kushtia	5.7%			Chapainawabganj	0.0%		
Satkhira	3.8%						
Bagerhat	3.3%						

4. Points of Entry & Quarantine

In the reported week (epidemiological week 43), the number of international flights has decreased by **0.8**%, in comparison to the previous week (**118** and **119** respectively) leading to decrease in the number of incoming passengers by **0.8**% (**21,981** and 22,117 respectively). In the reported week **383** individuals were sent to Institutional Quarantine after passenger screening at the Hazrat Shahjalal International Airport (HSIA).

The figure below is showing the incoming flights and passengers arrived, 27 April – 26 October 2020, Bangladesh

According to DGHS, as of 26 October 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 **36,908** individuals were placed in quarantine facilities and of them **32518** (88.1%) have already been released. Over the same period, total of **85,325** individuals were isolated in designated health facilitates and of them **73,280** (85.9%) have been released.

The map below is showing incoming flights to IHR designated Airport at Dhaka, 27 April – 25 October 2020, Bangladesh

5. Case Management and Infection Prevention & Control

According to DGHS, as of 26 October 2020, there are **11,730** general beds in the country of which **30.0**% (3,519) in Dhaka city and **564** ICU of which **55.7**% (314) in Dhaka city dedicated for COVID-19 treatment. Presently **20.1**% of the general beds and **49.3**% ICU beds are occupied all over the country.

The table below is showing a temporal comparison of COVID-19 dedicated facilities, week 41 and week 43, 2020, Bangladesh

	National			Dhaka		
	26 OCT 2020	12 OCT 2020	Trend	26 OCT 2020	12 OCT 2020	Trend
General Beds	**11,730**	11,687	⇄	**3,519**	3,519	⇄
Bed Occupancy	**20.1**%	20.9%	↓	**49.3**%	49.5%	↓
ICU	**564**	564	⇄	**314**	314	⇄
ICU Occupancy	**46.1**%	45.0%	↑	**53.5**%	50.6%	↑
Oxygen cylinder	**13,095**	12,987	↑			
High flow nasal cannula	**569**	539	⇄			
Oxygen concentrator	**358**	344	⇄			

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