World Health Organization Bangladesh

COVID-19

19 October 2020
Morbidity and Mortality
Weekly Update (MMWU) N°34

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

Tested	Confirmed Cases	Recovered	Death	Hotline
2,178,717	390,206	305,599	5,681	21.8 million

Test/1 million	Daily New Cases	Recovery Rate	CFR%	AR/1 million
12,793	1,637	77.3%	1.83	2,291

Laboratories	PPE Stock	PoE Screening
110 COVID-19 Labs	919,443	622,945
Last 7 days	2,801,391	44,536
94,495 Samples	135,195	7,029
60.8% Inside Dhaka Tests 17.9% Overall Positivity	1,709,766	387,084

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

Off loading PPE to support government initiative for COVID-19 response

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1. Global Situation

Globally, as of 04:01 BST, Oct 19 there have been 39,801,612 confirmed cases of COVID-19, including 1,110,908 deaths received by WHO from national authorities. A clear second wave of COVID-19 cases is visible in Europe, Western Pacific region is constantly high for several weeks while cases in South-Ease Asia is reducing. USA, the world's worst hit country, has counted 8,019,237 (69,834) cases with 217,659 (588) deaths reported to WHO as of 19 OCT 2020. While, India reported the second highest new cases (55,722) and new deaths (579) at the same cut off time.

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

New confirmed cases, by week of report (n = 39,801,612)

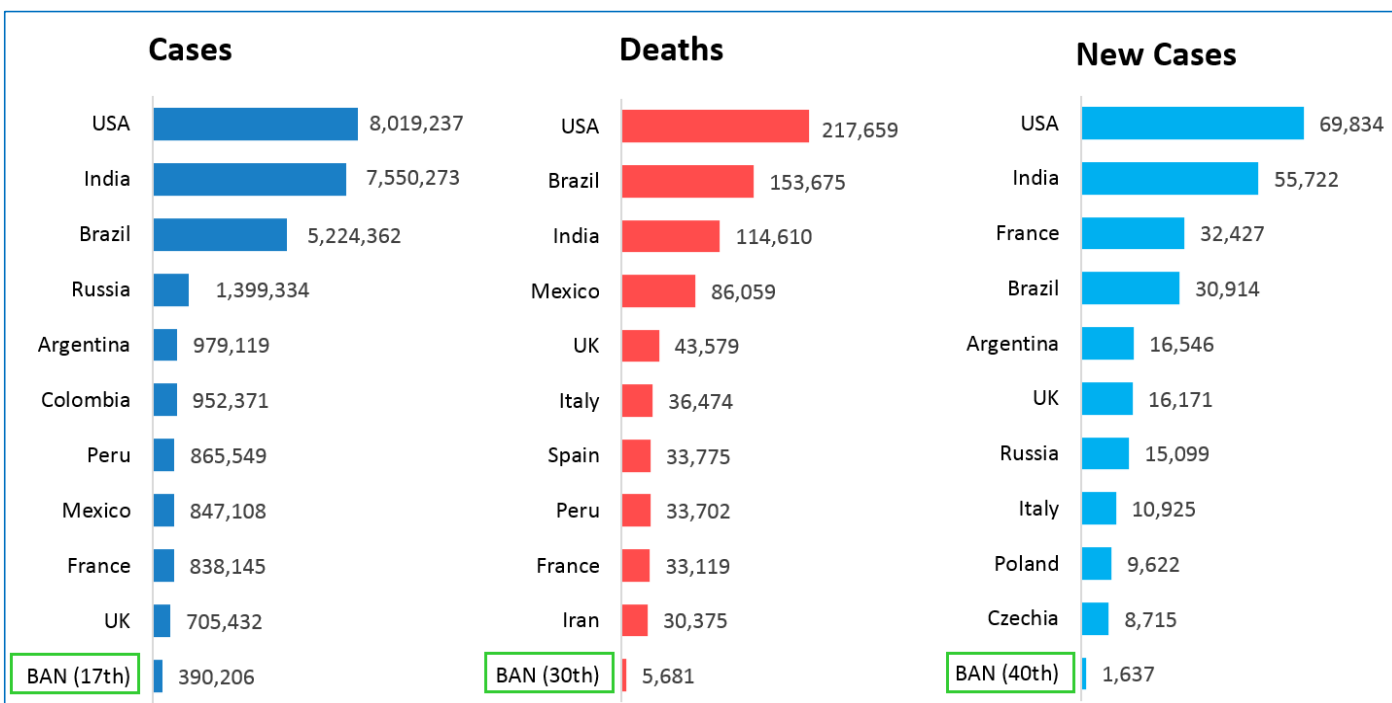| WHO Region	
African Region	European Region	Western Pacific Region
Eastern Mediterranean Region	South-East Asia Region	Other

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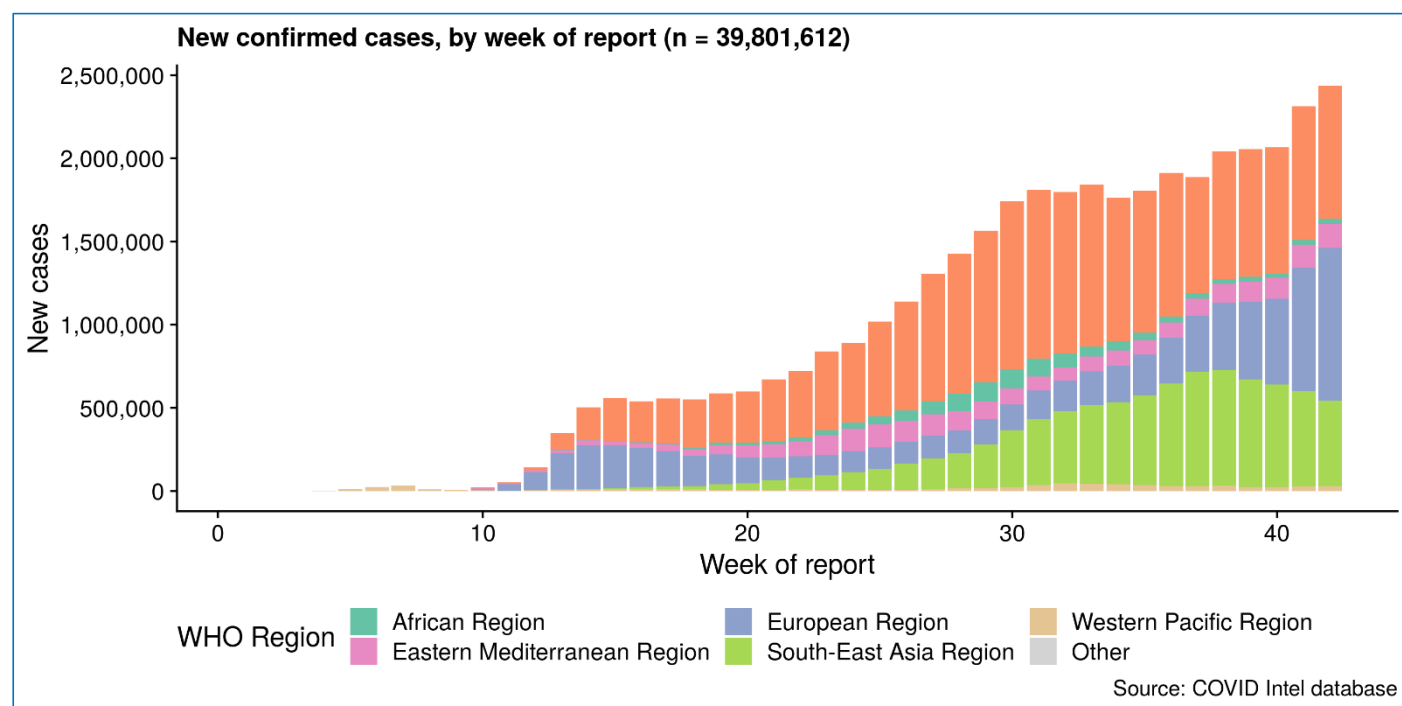
The figure below shows top ranked countries for total cases of confirmed COVID-19, deaths and new cases, 01 January – 19 October 2020

Cases

USA	8,019,237
India	7,550,273
Brazil	5,224,362
Russia	1,399,334
Argentina	979,119
Colombia	952,371
Peru	865,549
Mexico	847,108
France	838,145
UK	705,432
BAN (17th)	390,206

Deaths

USA	217,659
Brazil	153,675
India	114,610
Mexico	86,059
UK	43,579
Italy	36,474
Spain	33,775
Peru	33,702
France	33,119
Iran	30,375
BAN (30th)	5,681

New Cases

USA	69,834
India	55,722
France	32,427
Brazil	30,914
Argentina	16,546
UK	16,171
Russia	15,099
Italy	10,925
Poland	9,622
Czechia	8,715
BAN (40th)	1,637

2. Bangladesh Situation

Between 8 March and 19 October 2020, according to the DGHS Press Release <*https://corona.gov.bd/press-release*> there were three hundred ninety thousand two hundred six (**390,206**) COVID-19 confirmed by rRT-PCR, including five thousand six hundred eighty-one (**5,681**) related deaths (**CFR 1.83**%). Bangladesh is the top 17th country in the world and accounts for 1% of the COVID-19 disease burden in the world.

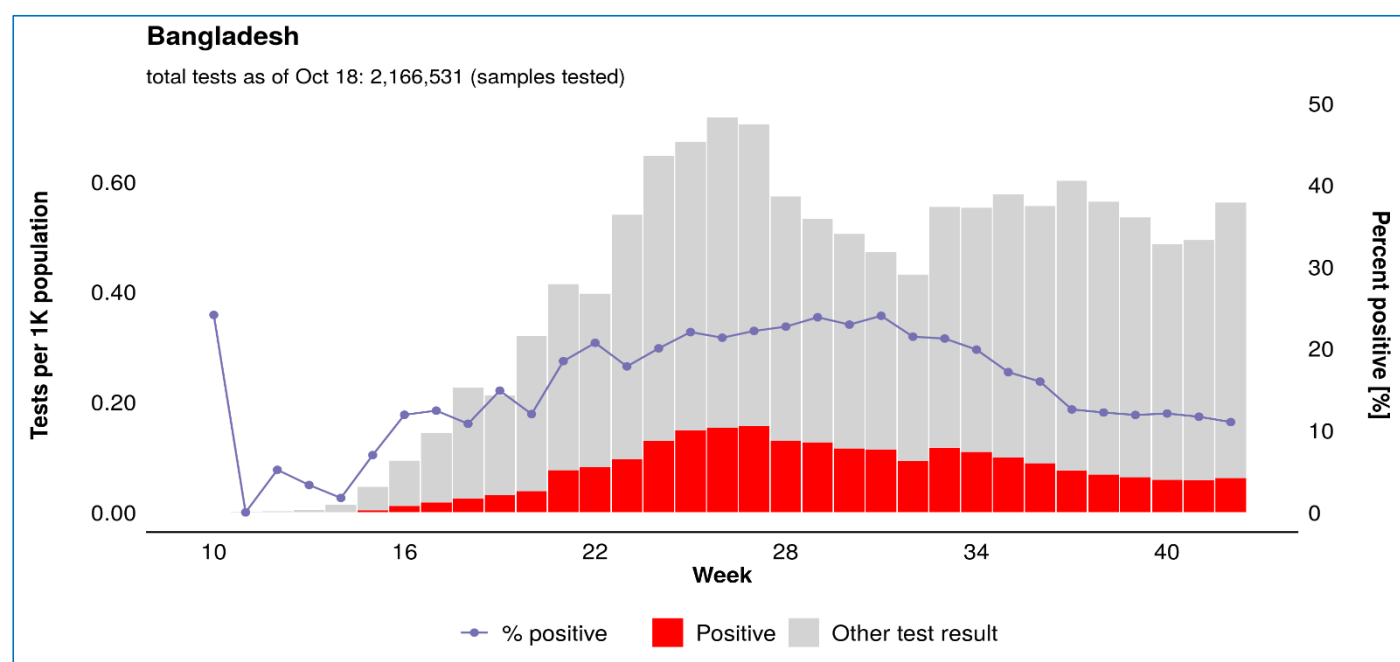***The figure below is showing the daily reported confirmed COVID-19 cases and deaths, 08 March – 18 October 2020, Bangladesh***
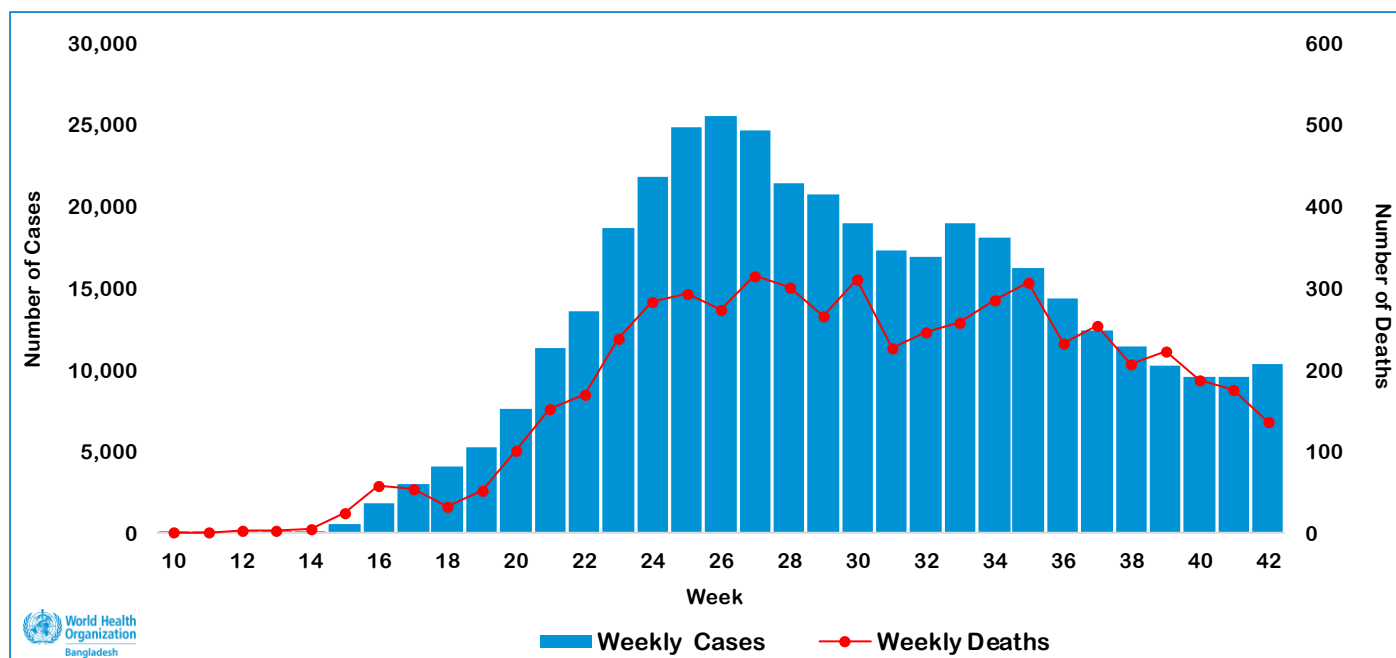
The figure below is showing the daily reported confirmed COVID-19 cases and deaths, 08 March – 18 October 2020, Bangladesh

In the epidemiological week 42, number of new cases in Bangladesh is **10,222**; test per thousand population per week is **0.56**; average test positivity rate is **11**%; testing rate is **2 (0.51 - 1.0 tests per 1000 in past week)** at 4 scale (where 4 is >3.01 tests per 1000 in past week); and test strategy is **2 (anyone showing symptoms)** at 0-3 scale where scale 3 represents open public testing (i.e. available to asymptomatic people).

3. Surveillance & Laboratory

In the reported week (epidemiological week 42), in comparison to the previous epidemiological week, the number of new weekly COVID-19 cases **increased** by **7.6**% (**10,303** in week 42 and 9,576 in the previous week) while the number of COVID-19 new weekly deaths **decreased** by **22.7** (**136** and **176** respectively); IFR is **constant** at **1.46**% in the current week while the Case Fatality Ratio (CFR) **decreased** from **1.85** last week to **1.83** in the current week.

As of 19 October 2020, **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, **28.7**% in the older age group of 71 and above and **22.6**% - 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 deaths by age group, 08 March – 19 October 2020, Bangladesh.
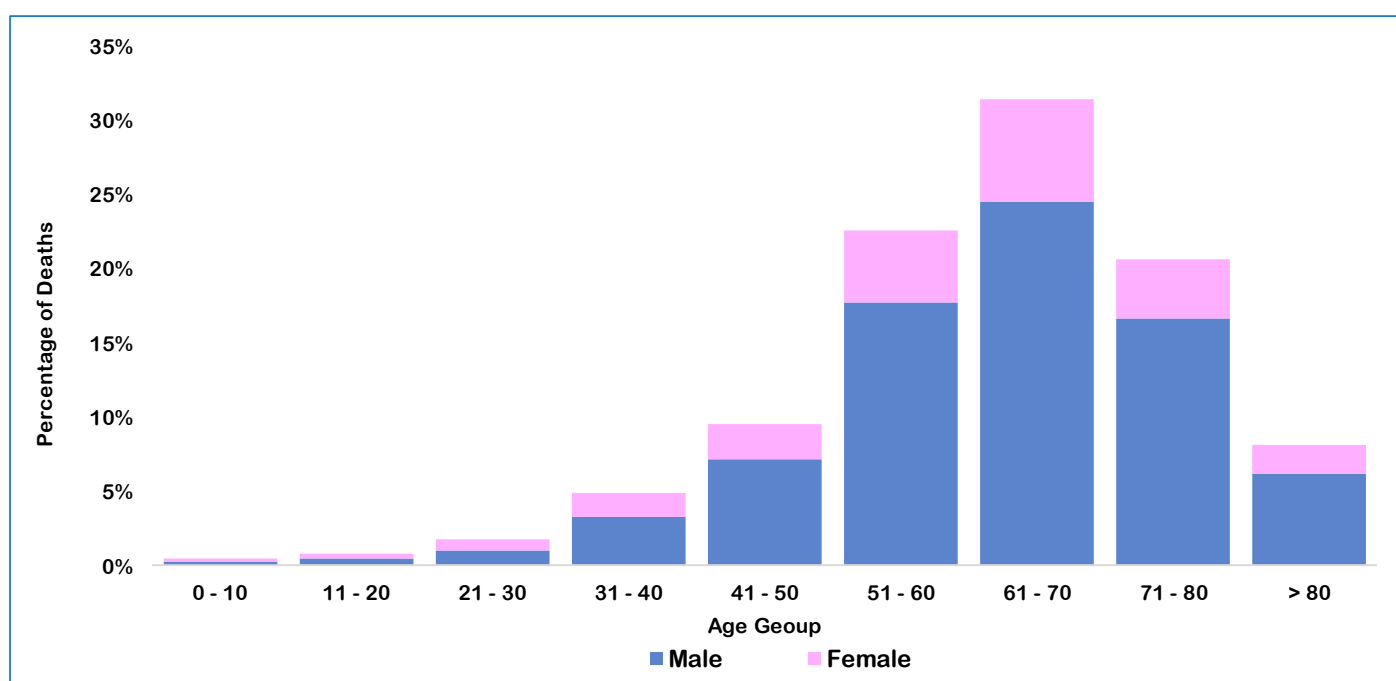

The table below is showing divisional distribution of case and death, 08 March – 19 October 2020, Bangladesh.

| Division	Cumulative			Week 42		
	Cases	**Death**	**CFR (%)**	**Cases**	**Death**	**CFR (%)**
Dhaka	257,387	2,906	1.1	7,394	88	1.2
Chattogram	49,288	1,147	2.3	844	21	2.5
Khulna	22,399	455	2.0	259	8	3.1
Rajshahi	20,546	358	1.7	193	4	2.1
Sylhet	12,711	241	1.9	183	6	3.3
Rangpur	12,579	256	2.0	137	3	2.2
Barishal	8,698	200	2.3	128	3	2.3
Mymensingh	6,598	118	1.8	60	3	5.0
Total	**390,206**	**5,681**	**1.5**	**9,198**	**136**	**1.5**

As of 19 October 2020, **66.0**% of reported cases were from **Dhaka** division, **12.6**% from **Chattogram**, **Khulna** – **5.7**%, **Rajshahi** - **5.3**%, **Sylhet** - **3.3** and **Rangpur** - **3.2**%, **Barishal** - **2.2**% and the lowest **1.7**% from **Mymensingh** division. While, **51.1**% of the reported death were from **Dhaka** division, **20.2**% 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 – 18 October 2020, Bangladesh.
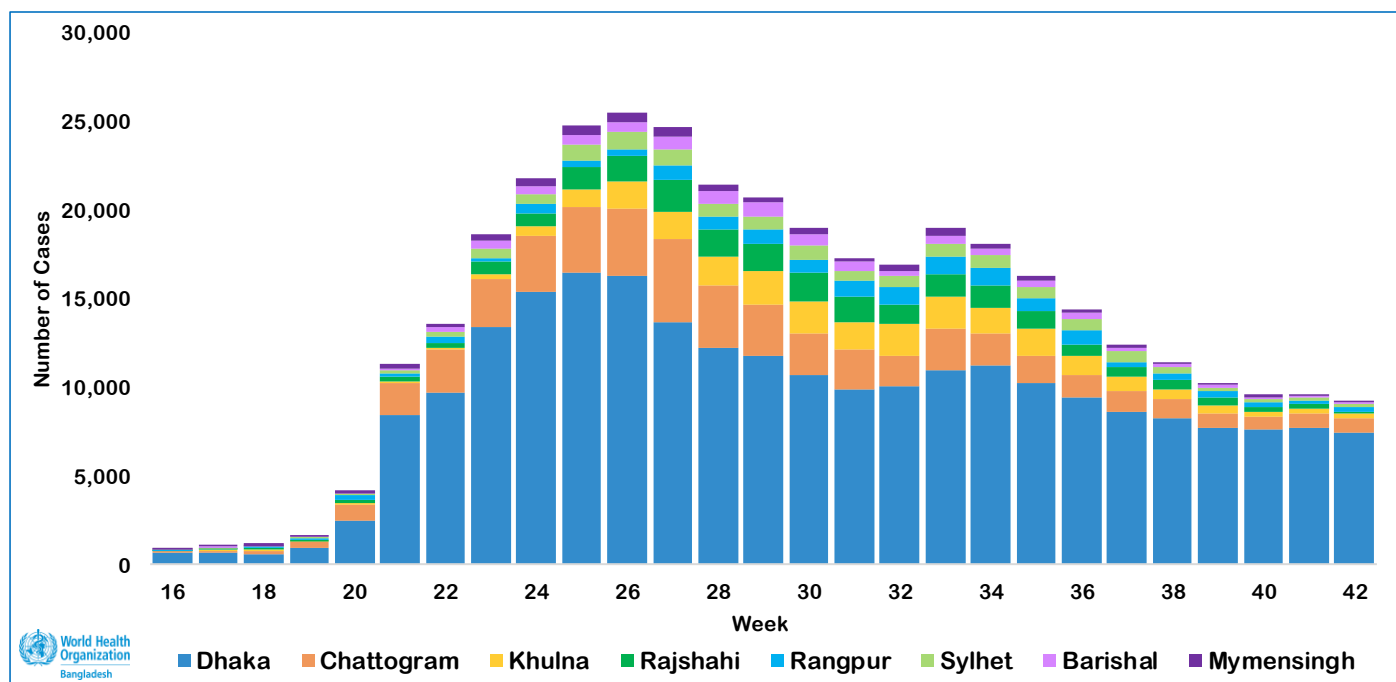
The highest number of weekly cases (**25,481**) reported in epi-week **26** (22-28 JUN 2020) while the highest weekly death (**314**) recorded in the following week **27** (29 JUN – 05 JUL 2020). Cases in Dhaka and Chattogram are not decreasing since last 4 weeks while other division have a little decrease over time.

The figure below is showing the weekly reported confirmed COVID-19 deaths by division, 13 April – 18 October 2020, Bangladesh.
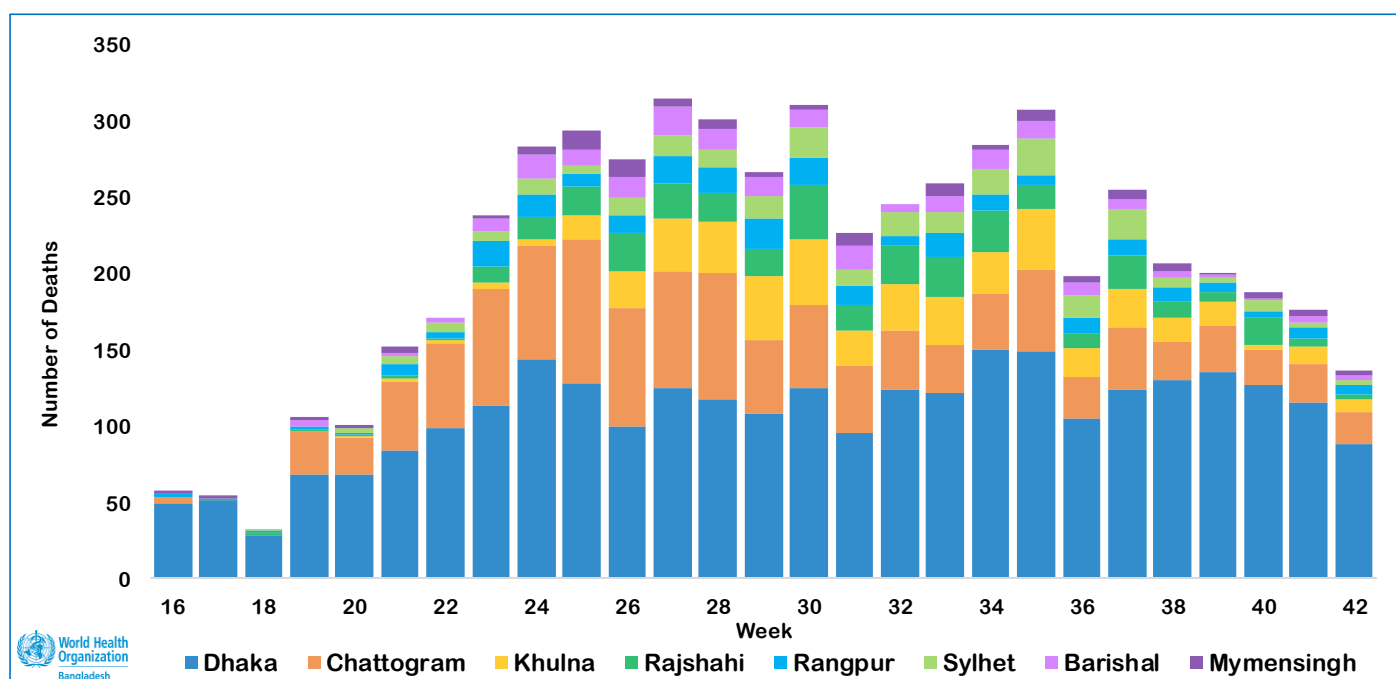
As on 12 October 2020, Bangladesh overall attack rate (**AR)** is **2,291** per 1 million and **100% (64**/64) of districts with the total population of 170,306,468 people have reported confirmed COVID-19 cases. In the reported week (epidemiological week 42), COVID-19 weekly **AR** increased by **3.0**% in comparison to the previous week (2,291 and 2,230 respectively).

The table below is showing Attack rate per million by District, 08 March – 19 October 2020, Bangladesh

| Dhaka div.	5,915	Chattogram div.	1,459	Khulna div.	1,204	Sylhet div.	1,092
Dhaka City	25,156	Chattogram	2,243	Khulna	2,351	Sylhet	1,725
Faridpur	3,244	Cox's Bazar	1,817	Narail	1,629	Sunamganj	801
Rajbari	2,523	Bandarban	1,738	Kushtia	1,455	Maulvibazar	762
Munshiganj	2,113	Noakhali	1,373	Jashore	1,240	Habiganj	711
Narayanganj	2,005	Rangamati	1,303	Chuadanga	1,113		
Gopalganj	1,900	Cumilla	1,217	Jhenaidah	954		
Gazipur	1,395	Feni	1,136	Magura	870		
Shariatpur	1,285	Lakshmipur	1,063	Meherpur	823		
Madaripur	1,078	Khagrachhari	974	Bagerhat	560		
Manikganj	939	Chandpur	819	Satkhira	468		
Narsingdi	912	Brahmanbaria	739				
Dhaka District	904						
Kishoreganj	856						
Tangail	763						
Rajshahi div.	940	Barishal div.	880	Rangpur div.	673	Mymensingh div.	508
Bogura	1,957	Barishal	1,361	Dinajpur	1,010	Mymensingh	624
Rajshahi	1,649	Jhalokathi	882	Rangpur	876	Jamalpur	604
Joypurhat	1,038	Barguna	873	Thakurgaon	750	Sherpur	295
Sirajganj	607	Pirojpur	836	Lalmonirhat	603	Netrakona	275
Natore	527	Patuakhali	812	Panchagarh	540		
Naogaon	429	Bhola	356	Nilphamari	528		
Pabna	401			Gaibandha	431		
Chapainawabganj	388			Kurigram	377		

Out of the total **390,206** COVID-19 cases registered as of 19 October 2020, **78.32**% (305,599) **recovered**, **1.46**% (5,681) **died** and **20.22**% (78,926) are **active cases**. In the epidemiological week 42, weekly average number of COVID-19 **active cases** decreased by **0.3**%, in comparison to the previous week (**80,522** and **80,776** respectively); during the same time, weekly **recovery** has increase by **0.03**% (**11,112** and **11,109** respectively).

The figure below is showing the overall daily Cases by Division, 04 May – 19 October 2020, Bangladesh.
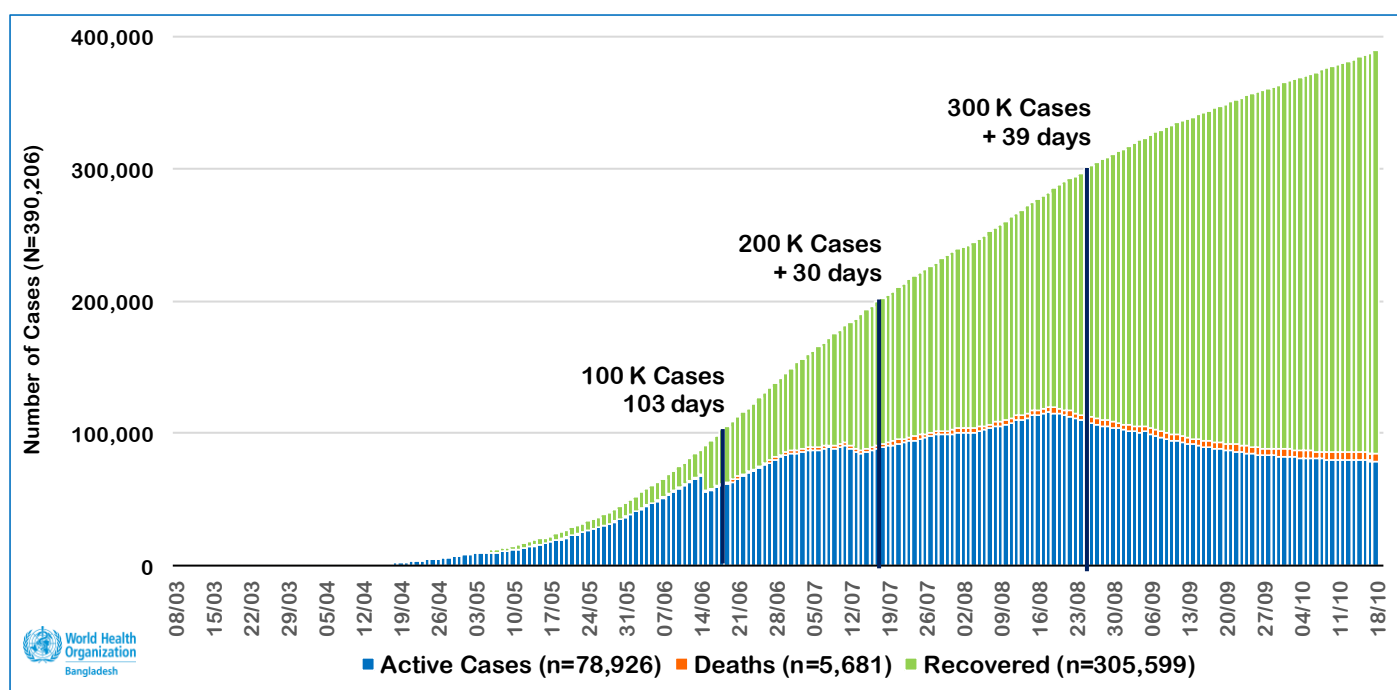
As of 12 October 2020, according to the DGHS Press Release **2,178,717** COVID-19 tests with the overall positivity rate of **17.9**% (**10.8**% in last 24 hours) were conducted in Bangladesh by **110** laboratories; **64** laboratories **(58.2**%) in Dhaka and **46** laboratories (**41.8**%) from outside Dhaka. One (1) privet Lab, Dhaka Central International Medical College and Hospital joined in the network of COVID-19 testing laboratories since the last update. Total **60.8**% (**1,324,309/ 2,178,717**) of all samples were tested by the laboratories in Dhaka. As of 19 October 2020, test per case is **5.6** 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.
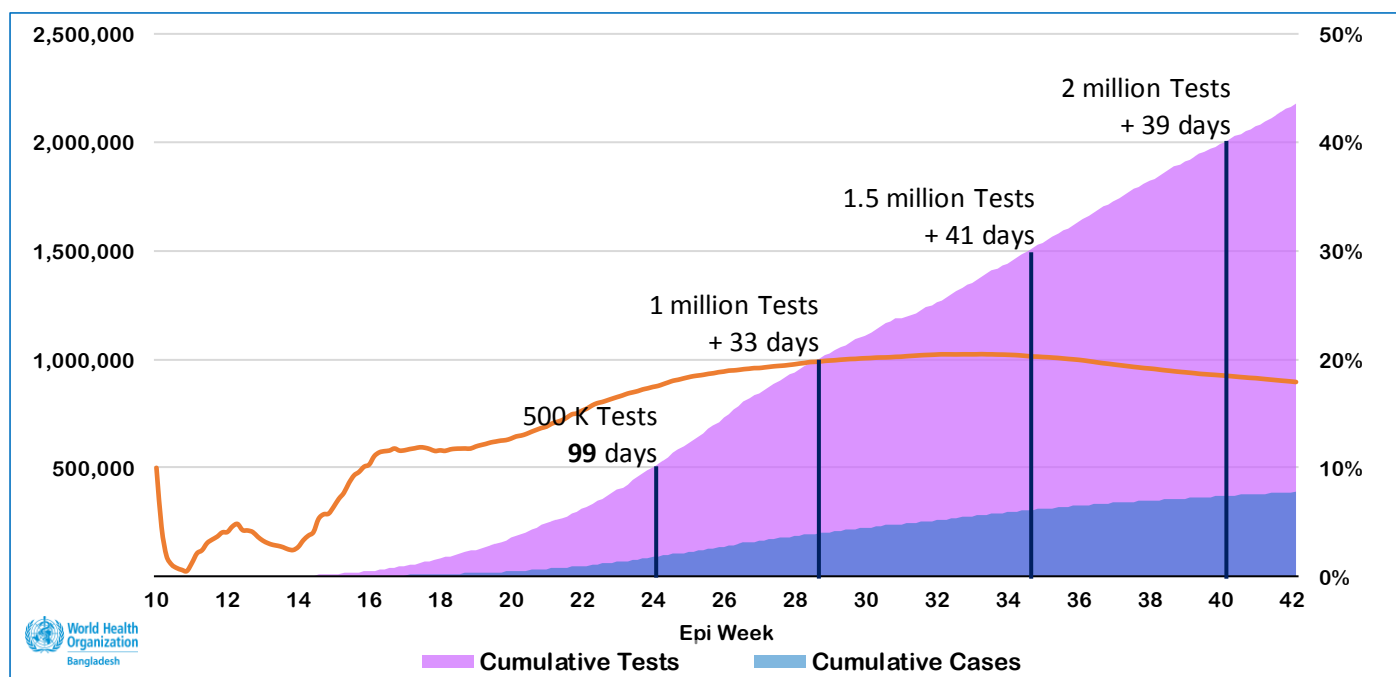
4. Points of Entry & Quarantine

In the reported week (epidemiological week 42), the number of international flights has increased by **0.8**%, in comparison to the previous week (**119** and **118** respectively) leading to increase in the number of incoming passengers by **7.2**% (**22,117** and **20,641** respectively). In the reported week **535** 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 – 19 October 2020, Bangladesh.
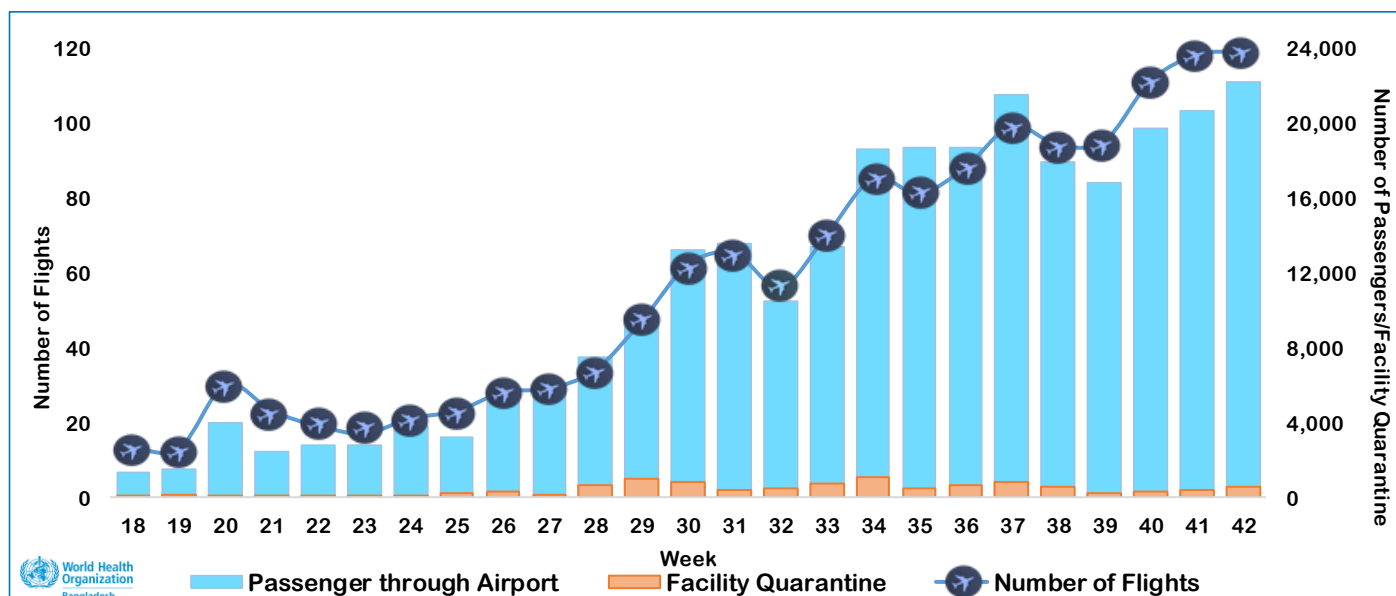
According to DGHS, as of 19 October 2020, the current institutional quarantine capacity in the country is represented by **629** centres across the 64 districts, which can receive **31,991** persons. A total of **36,283** individuals were placed in quarantine facilities and of them **32,159** (88.6%) have already been released. Over the same period, total of **84,329** individuals were isolated in designated health facilitates and of them **72,122** (85.5%) have been released.

5. Case Management and Infection Prevention & Control

According to DGHS, as of 19 October 2020, there are **11,687** general beds in the country of which **30.1**% (3,519) in Dhaka city and **564** ICU of which **55.7**% (314) in Dhaka city dedicated for COVID-19 treatment. Presently **19.6**% of the general beds and **48.1**% ICU beds are occupied all over the country.

The table below is showing a temporal comparison of COVID-19 dedicated facilities, week 40 and week 42, 2020, Bangladesh.

	National			Dhaka		
	19 OCT '20	02 OCT '20	Trend	03 OCT	19 SEP	Trend
General Beds	**11,730**	11,687	⇄	**3,519**	3,519	⇄
Bed Occupancy	**19.6**%	22.6%	↓	**49.5**%	51.7%	↓
ICU	**564**	564	⇄	**314**	314	⇄
ICU Occupancy	**48.1**%	52.1%	↓	**57.0**%	62.4%	↓
Oxygen cylinder	**13,079**	12,987	↑			
High flow nasal cannula	**562**	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