


















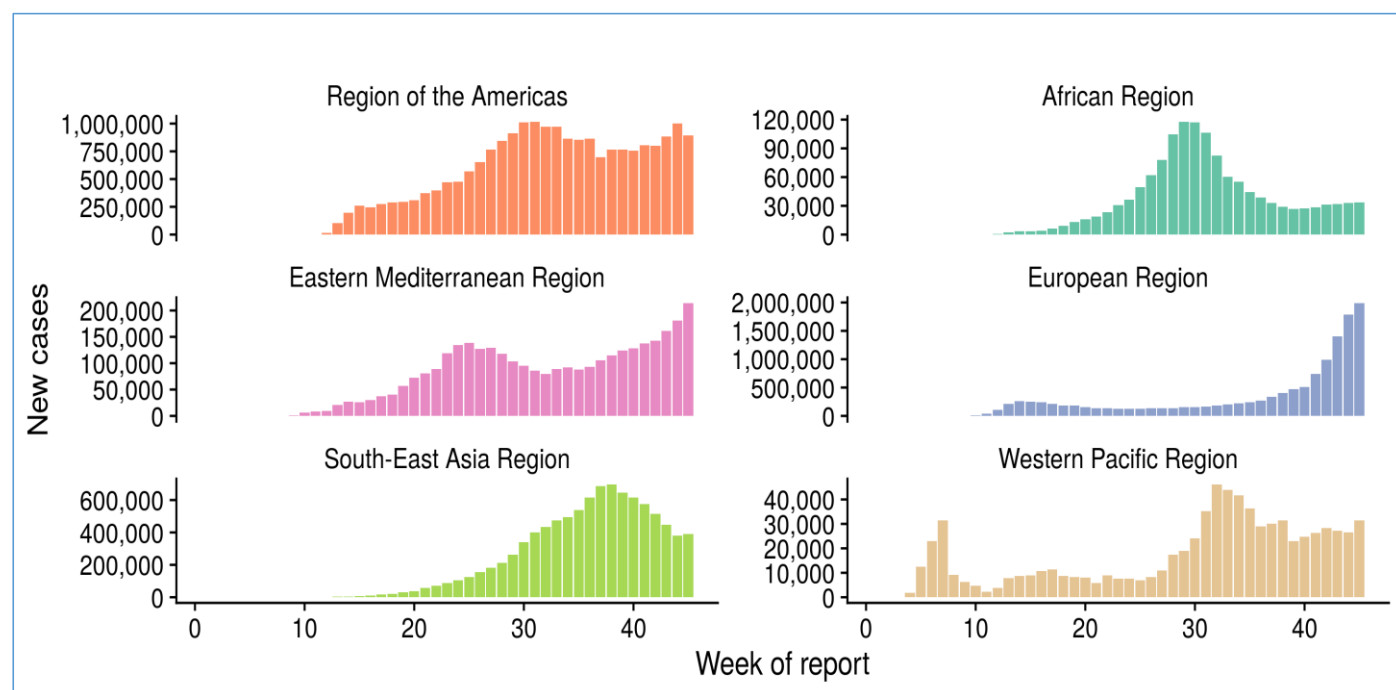
Tested	Confirmed Cases	Recovered	Death	Hotline
 2,456,644	 421,921	 339,768	 6,092	 22.47 million
Test/100,000/Week	Case/100,000/Week	Recovery Rate	CFR%	AR/100,000
55	6.5	80.5%	1.76	2,48
Laboratories		PPE Stock	PoE Screening	
115 COVID-19 Labs Last 7 days 94,942 Samples		 866,282	 702,262	
		 4,295,564	 48,445	
		 138,789	 7,029	
 61.6% Inside Dhaka Tests		 17.2% Overall Positivity	 396,932	
		 1,702,388		
Date Source: Directorate General of Health Services, MoHFW, Bangladesh				

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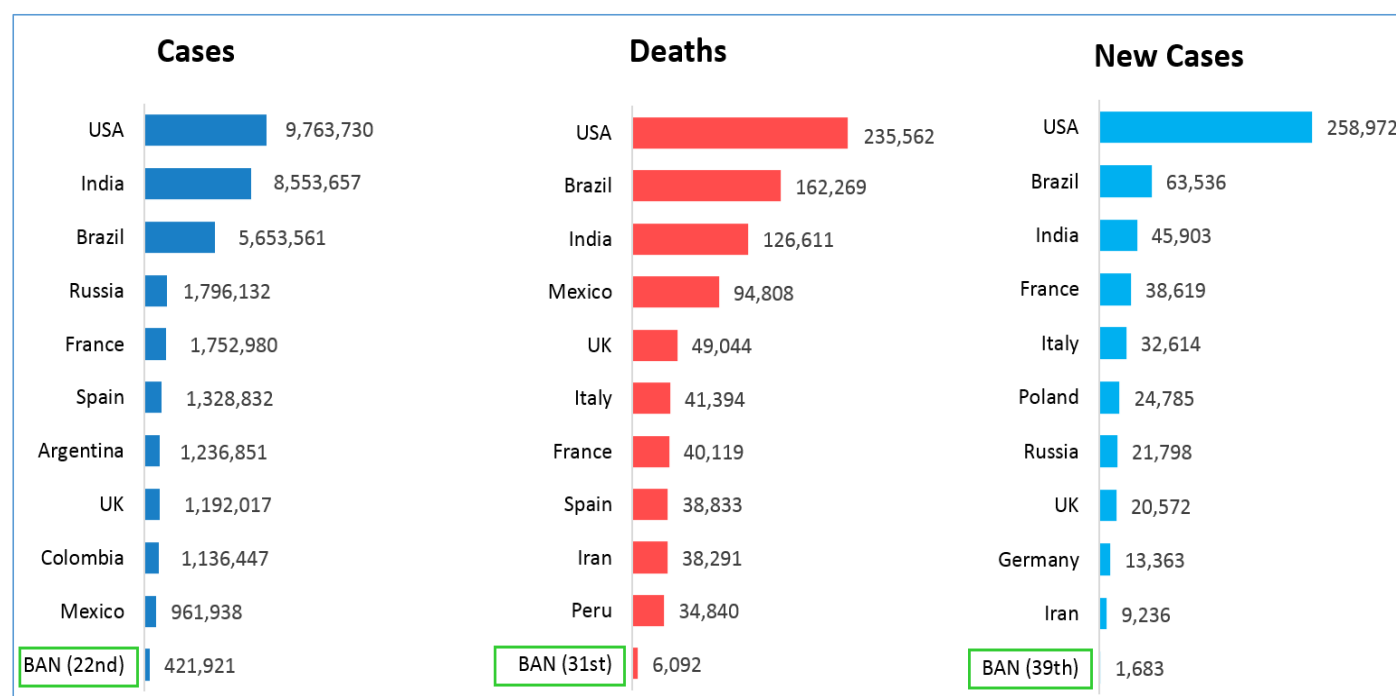
## 1. Global Situation

Globally, as of 7:46 PM, 09 November 2020 there have been 50,266,033 confirmed cases of COVID-19, including 1,254,567 deaths received by WHO from national authorities. USA, the world's worst hit country, has counted **9,763,730** (258,972) cases with **235,562** (2,270) deaths as reported to WHO; followed by India with **8,553,657** (45,903) cases; while Brazil reported the second highest new cases of **63,536** and second highest cumulative deaths **162,269** (1,163) followed by India **126,611** (490) at the same cut off time.

*The figure below is showing trend of the weekly number of reported new cases of COVID-19 by WHO region, 01 January – 09 November 2020*



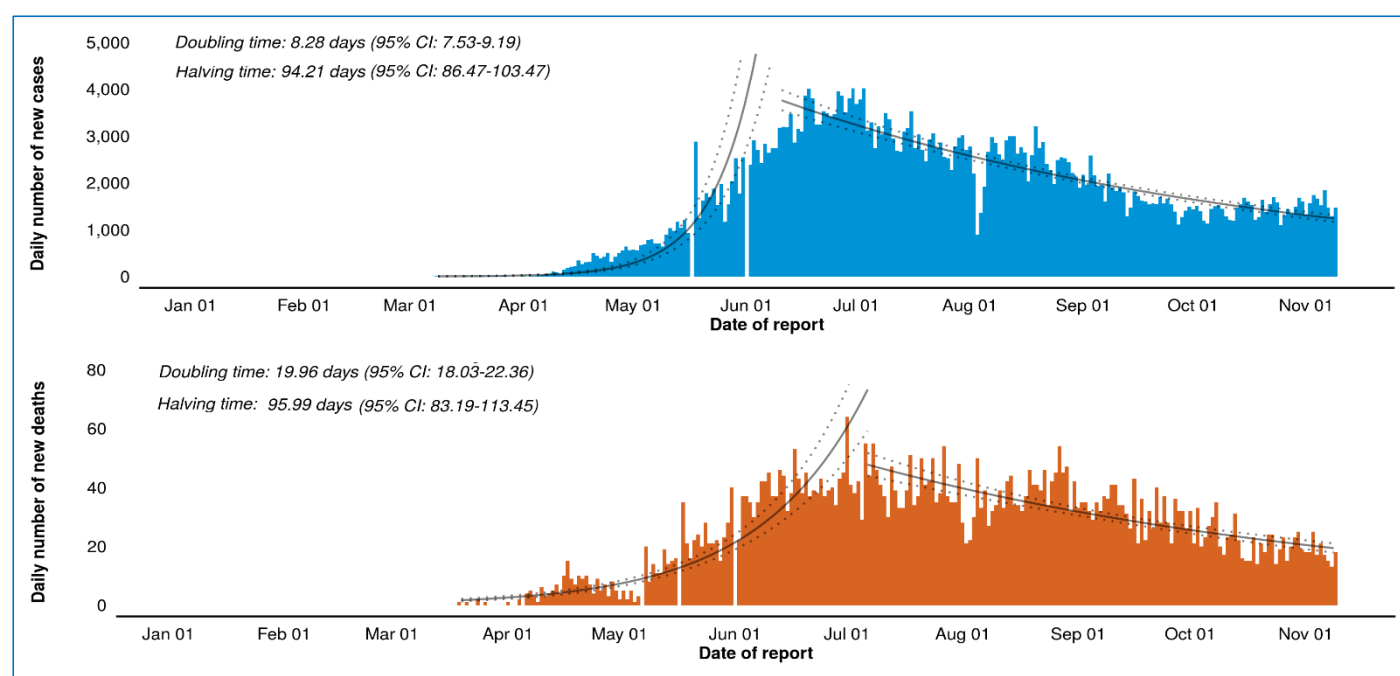
*The figure below shows top ranked countries for total cases of confirmed COVID-19, deaths and new cases, 01 January – 09 November 2020*



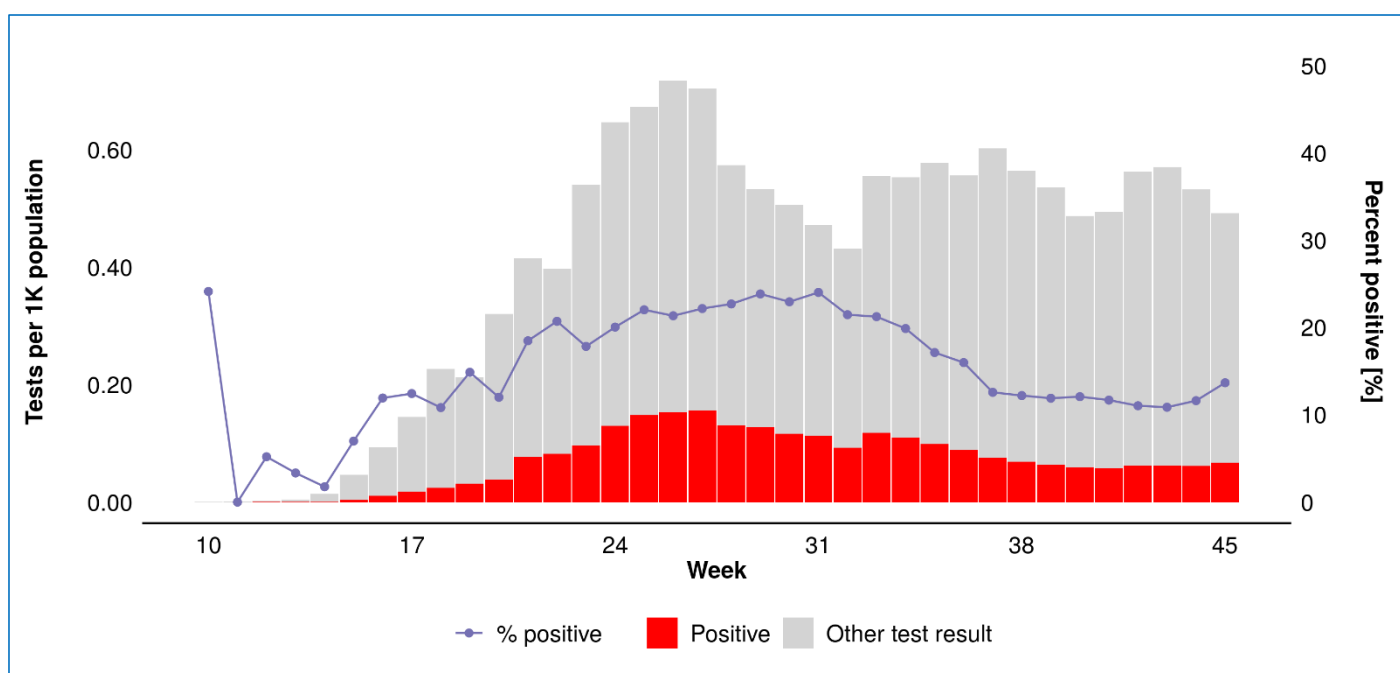
## 2. Bangladesh Situation

Between 8 March and 09 November 2020, according to the DGHS Press Release <<https://corona.gov.bd/press-release>> there were four hundred twenty-one thousand nine hundred twenty-one (**421,921**) COVID-19 confirmed by rRT-PCR, including six thousand ninety-two (**6,092**) related deaths (**CFR 1.76%**). Bangladesh is the top 22<sup>th</sup> country in the world and accounts for about 1% of the COVID-19 disease burden in the world.

**The figure below is showing the doubling and halving time of COVID-19 cases and deaths, 08 March – 09 November 2020, Bangladesh**



**The figure below is showing the weekly test status and positivity of COVID-19, 08 March – 08 November 2020, Bangladesh**



In the epidemiological week 45, number of new cases in Bangladesh is **10,986**; case per 100,000 population per week is **6.5**. New death is **126**; death per 100,000 per week in **0.07**. Weekly new tests is **93,791**; tests per million per week is **55.1**; weekly test positivity is **11.7**.

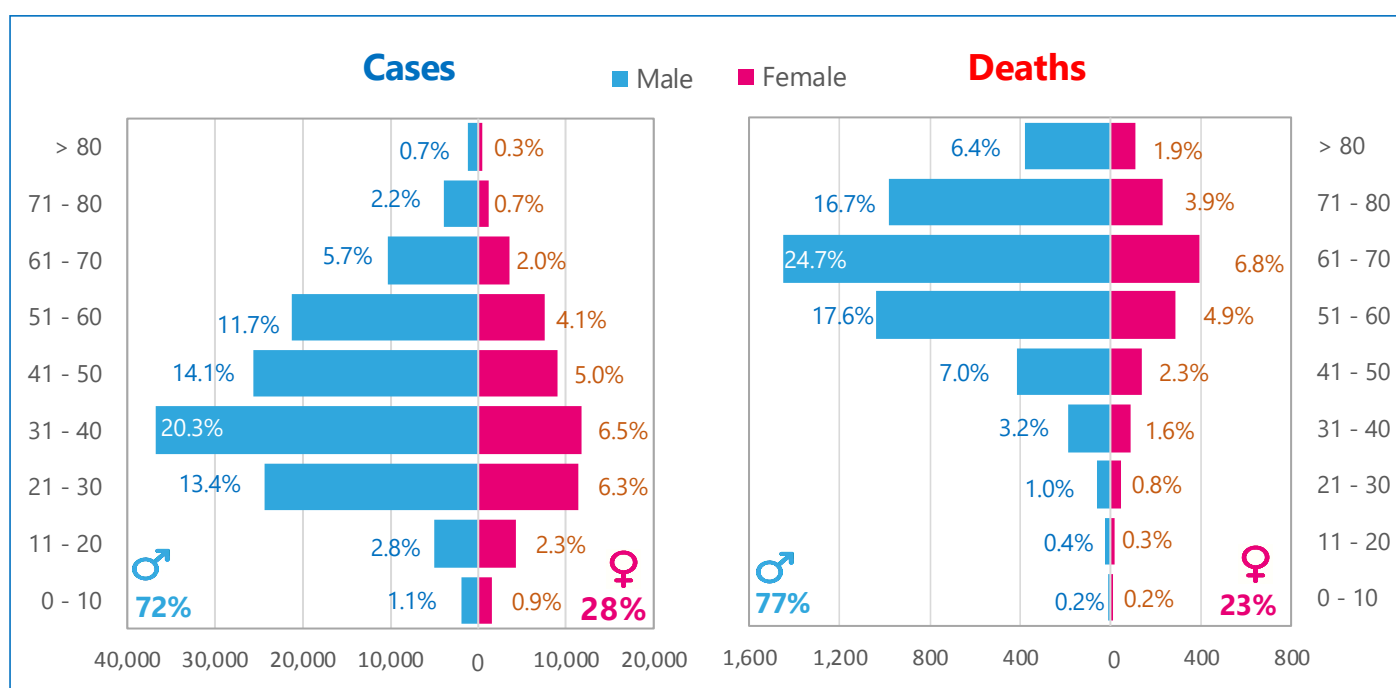


### 3. Surveillance & Laboratory

In the reported week (epidemiological week 45), in comparison to the previous epidemiological week, the number of new weekly COVID-19 cases **increased** by **5.3%** (10,986 in week 45 and 10,437 in the previous week) while the number of COVID-19 new weekly deaths **decreased** by **8.7%** (**126** and **138** respectively); Case Fatality Ratio (CFR) **decreased** from 1.79 last week to **1.76** in the current week.

As of 09 November 2020, among the reported cases **26.7%** cases were confirmed in people between 31 and 40 years old, **19.7%** - in the age group of 21 to 30, **19.2%** - 41 to 50 years and **15.8%** 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 figure below is showing Age-Sex distribution of COVID-19 case & deaths, 08 March – 09 November 2020, Bangladesh**



**The table below is showing divisional distribution of COVID-19 case and death, 08 March – 09 November 2020, Bangladesh**

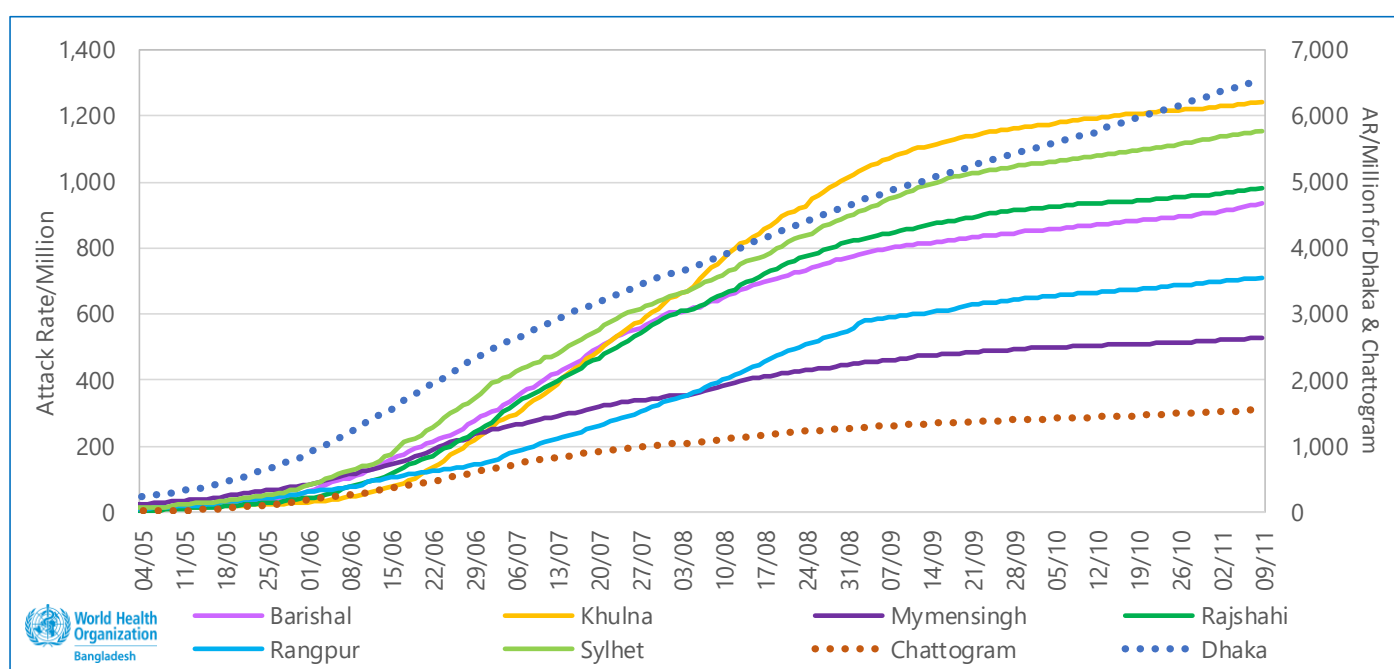
Division	Cumulative			Week 45		
	Cases	Death	CFR (%)	Cases	Death	CFR (%)
Dhaka	282,741	3,178	1.12	8,734	77	0.88
Chattogram	52,071	1,211	2.33	943	21	2.23
Khulna	23,044	477	2.07	315	2	0.63
Rajshahi	21,386	366	1.71	242	6	2.48
Sylhet	13,402	257	1.92	230	2	0.87
Rangpur	13,225	269	2.03	220	8	3.64
Barishal	9,207	207	2.25	210	6	2.86
Mymensingh	6,845	127	1.86	92	4	4.35
<b>National</b>	<b>421,921</b>	<b>6,092</b>	<b>1.44</b>	<b>10,986</b>	<b>126</b>	<b>1.15</b>

As of 09 November 2020, **67.0%** of reported cases were from **Dhaka** division, **12.3%** from **Chattogram**, **Khulna – 5.5%**, **Rajshahi – 5.1%**, **Sylhet – 3.2%**, **Rangpur – 3.1%**, **Barishal – 2.2%** and the lowest **1.6%** from **Mymensingh** division. While, **52.2%** of the reported death were from **Dhaka** division, **19.9%** from **Chattogram**, **Khulna – 7.8%**, **Rajshahi – 6.0%**, **Rangpur – 4.4%**, **Sylhet – 4.2%**, **Barishal – 3.4%** and the lowest **2.1%** 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 Barishal division by **40.2%**, Rajshahi – **31.3%**, Khulna – **29.4**, Chattogram by **7.2%**, Mymensingh – **7.0%**, Rangpur – **6.8%** and Dhaka – **3.9%** while cases reduced by **22.2%** in Sylhet division than the previous week.

As on 09 November 2020, overall attack rate (**AR**) in Bangladesh is **2,468** 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 45), COVID-19 weekly average **AR** (2,441) increased by **2.7%** from the previous week.

**The figure below is showing the trend of attack rate of COVID-19 by division, 04 May – 09 November 2020, Bangladesh**



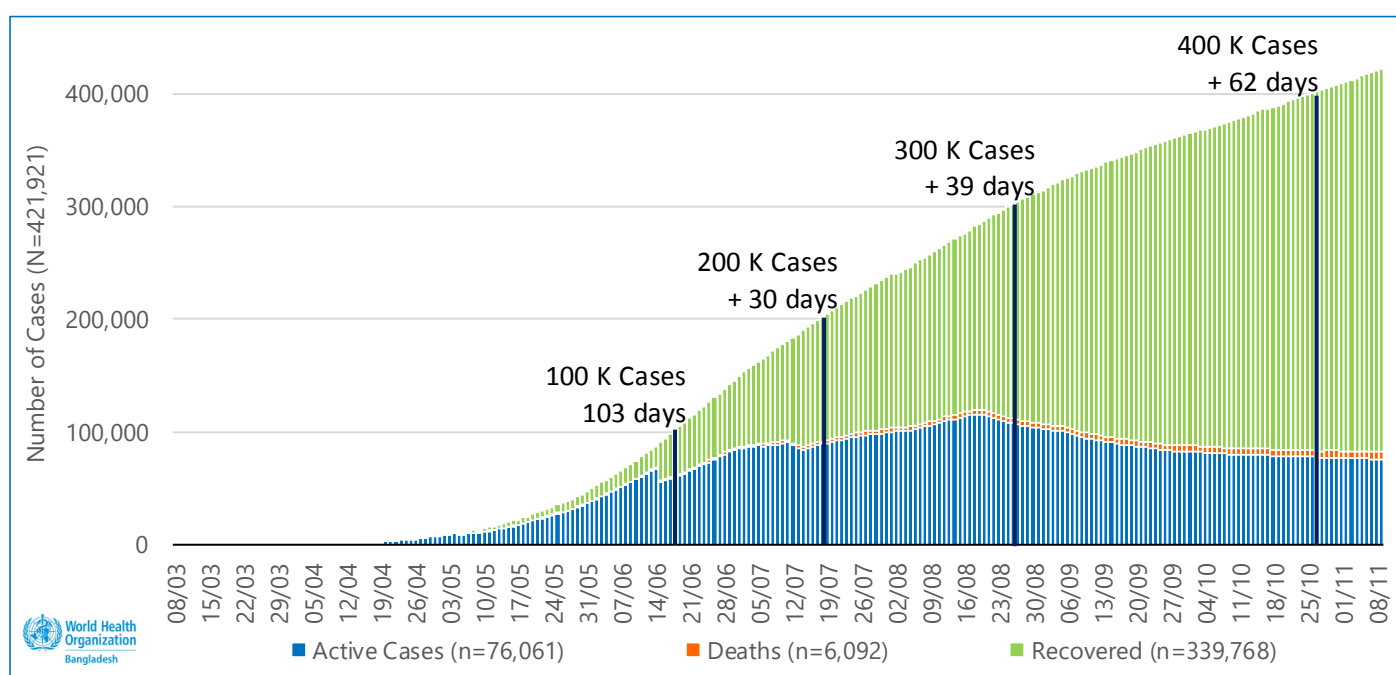
**The table below is showing Attack rate per million by District, 08 March – 09 November 2020, Bangladesh**

Dhaka div. 6,560		Chattogram div. 1,549		Khulna div. 1,242		Sylhet div. 1,154	
Dhaka City	27,977	Chattogram	2,431	Khulna	2,409	Sylhet	1,859
Faridpur	3,344	Cox's Bazar	1,939	Narail	1,689	Sunamganj	815
Rajbari	2,573	Bandarban	1,786	Kushtia	1,489	Maulvibazar	781
Munshiganj	2,219	Noakhali	1,398	Jashore	1,275	Habiganj	737
Narayanganj	2,087	Rangamati	1,334	Chuadanga	1,149		
Gopalganj	1,959	Cumilla	1,272	Jhenaidah	1,007		
Gazipur	1,459	Feni	1,180	Magura	897		
Shariatpur	1,311	Lakshmipur	1,084	Meherpur	875		
Madaripur	1,092	Khagrachhari	986	Bagerhat	563		
Manikganj	967	Chandpur	858	Satkhira	473		
Dhaka District	957	Brahmanbaria	750				
Narsingdi	952						
Kishoreganj	902						
Tangail	793						

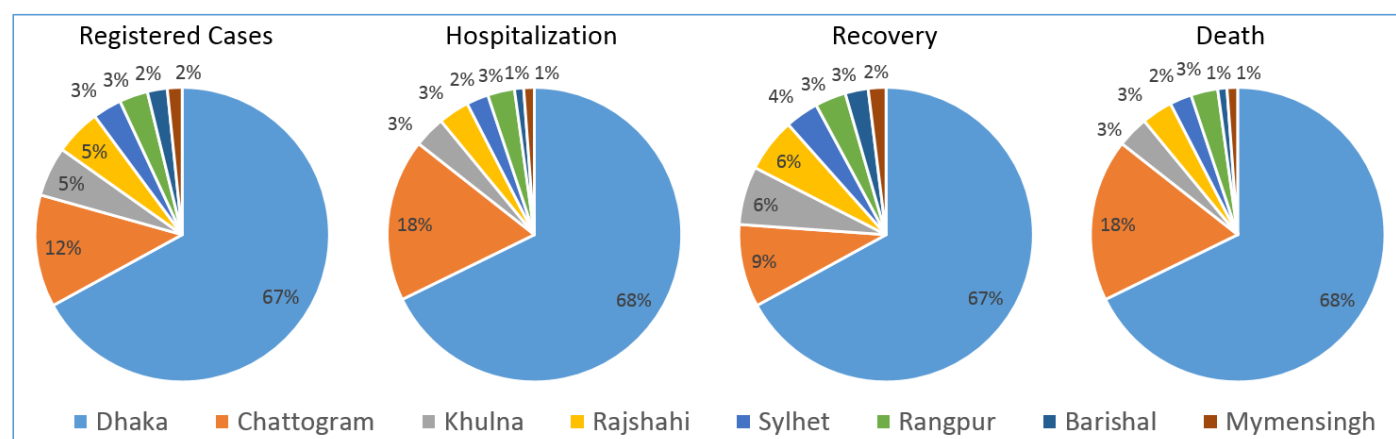
Rajshahi	981	Barishal div.	935	Rangpur div.	709	Mymensingh div.	527
Bogura	2,054	Barishal	1,470	Dinajpur	1,067	Mymensingh	648
Rajshahi	1,715	Jhalokathi	914	Rangpur	936	Jamalpur	622
Joypurhat	1,069	Barguna	899	Thakurgaon	796	Sherpur	308
Sirajganj	624	Patuakhali	855	Lalmonirhat	614	Netrakona	288
Natore	554	Pirojpur	849	Panchagarh	578		
Naogaon	439	Bhola	384	Nilphamari	546		
Pabna	420			Gaibandha	443		
Chapainawabganj	395			Kurigram	387		

Out of the total **421,921** COVID-19 cases registered as of 09 November 2020, **80.5%** (339,768) **recovered**, **1.44%** (6,092) **died** and **18.06%** (76,061) are **active cases**. In the epidemiological week 45, weekly average number of COVID-19 **active cases** decreased by **0.24%**, in comparison to the previous week (**76,492** and **78,335** respectively); during the same time, weekly **recovery** has increased by **12.7%** (**12,205** and **10,833** respectively).

*The figure below is showing the status of confirmed COVID-19 Cases, 08 March – 09 November 2020, Bangladesh*

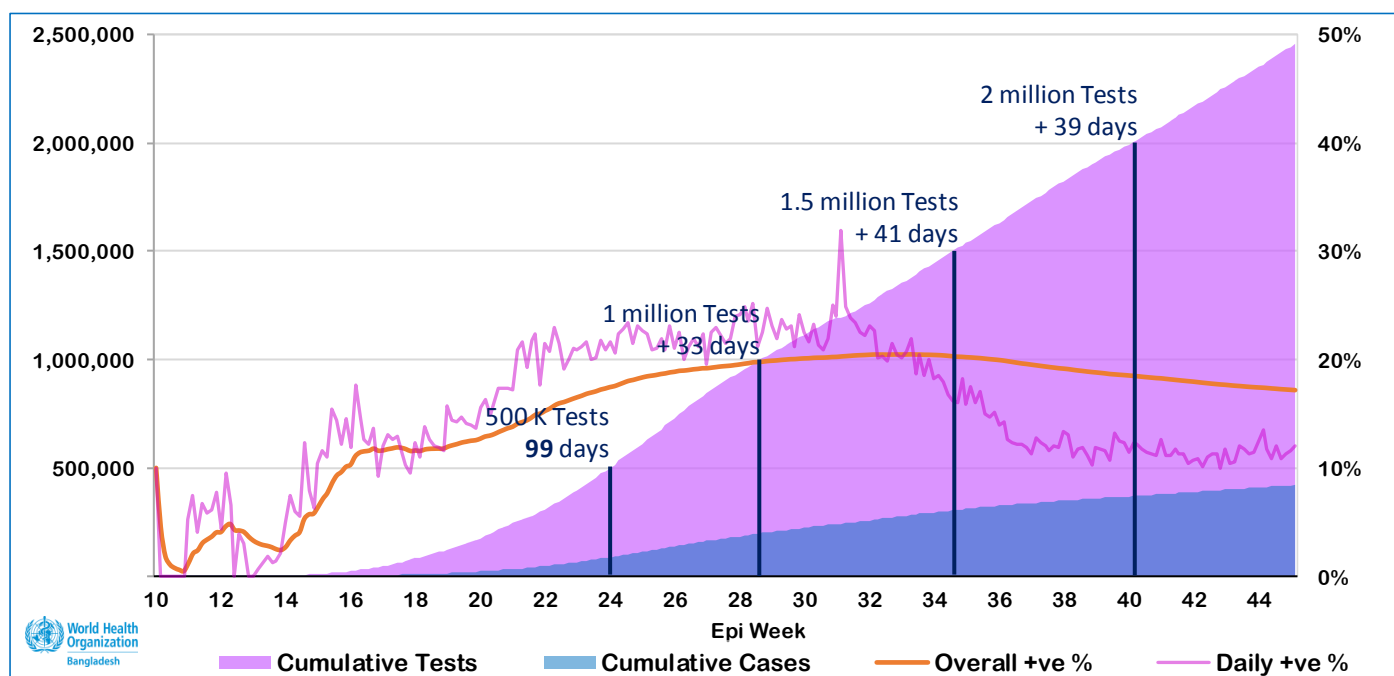


*The figure below is showing the proportional distribution of COVID-19 cases, hospitalization, recovery and death by division, 08 March – 09 November 2020, Bangladesh*



As of 09 November 2020, according to the DGHS Press Release **2,456,644** COVID-19 tests with the overall positivity rate of **17.2%** (**11.99%** in last 24 hours) were conducted in Bangladesh by **115** laboratories; **66** laboratories (**57.4%**) in Dhaka and **49** laboratories (**42.6%**) from outside Dhaka. Two (2) laboratories 'Shimantik Pathology and Diagnostic Center' and 'Cumilla CT Scan, MRI, Specialized Diagnostic and Dialysis Center', joined in the network of COVID-19 testing laboratories since the last update. Total **61.6%** (**1,512,794/2,456,644**) of all samples were tested by the laboratories in Dhaka. As of 09 November 2020, test per case is **5.82** 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 – 09 November 2020, Bangladesh**

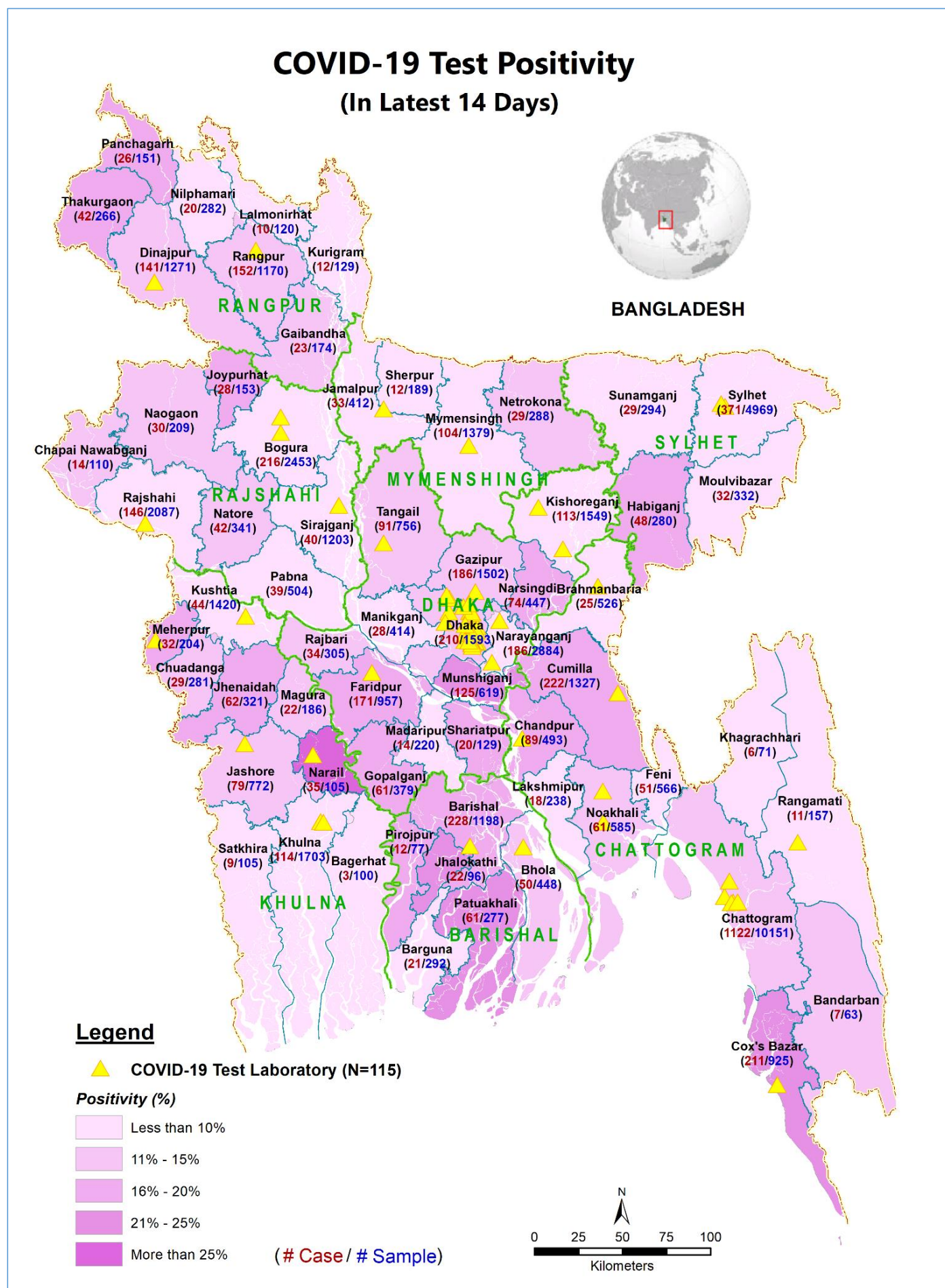


**The table below is showing distribution of test positivity rate by district, 02 – 08 NOV 2020, Bangladesh**

Barishal div.	16.8%	Chattogram div.	16.7%	Rangpur div.	12.6%	Dhaka div.	11.6%
Pirojpur	23.1%	Chandpur	26.4%	Panchagarh	19.6%	Faridpur	24.4%
Barishal	19.5%	Cox's Bazar	22.8%	Dinajpur	14.8%	Munshiganj	19.4%
Jhalokati	18.5%	Cumilla	20.3%	Gaibandha	13.4%	Tangail	15.6%
Patuakhali	15.3%	Noakhali	15.9%	Rangpur	12.4%	Gazipur	14.8%
Bhola	13.4%	Chattogram	13.6%	Thakurgaon	9.8%	Gopalganj	14.2%
Barguna	9.7%	Bandarban	12.9%	Nilphamari	6.5%	Narsingdi	13.3%
		Lakshmipur	12.8%	Kurigram	6.5%	Dhaka	12.1%
		Khagrachhari	12.5%	Lalmonirhat	5.8%	Rajbari	8.2%
		Feni	9.1%			Shariatpur	7.8%
		Rangamati	5.7%			Manikganj	7.8%
		Brahmanbaria	3.0%			Kishoreganj	7.5%
						Madaripur	6.3%
						Narayanganj	5.9%
Khulna div.	9.4%	Rajshahi div.	8.4%	Mymensingh Div.	7.8%	Sylhet Div.	7.4%
Narail	32.8%	Joypurhat	21.6%	Netrokona	11.1%	Habiganj	20.3%
Meherpur	23.6%	Natore	15.3%	Sherpur	10.5%	Moulvibazar	10.8%
Jhenaidah	19.9%	Naogaon	10.8%	Mymensingh	7.0%	Sylhet	6.5%
Magura	18.5%	Pabna	10.5%	Jamalpur	6.4%	Sunamganj	5.1%
Satkhira	13.8%	Bogura	9.4%				
Jashore	12.0%	Rajshahi	7.2%				
Chuadanga	11.2%	Chapai Nawabganj	7.1%				
Khulna	5.8%	Sirajganj	2.9%				
Kushtia	4.1%						
Bagerhat	1.5%						



The map below is showing geographical distribution of COVID-19 test positivity by district, Bangladesh





#### 4. Points of Entry & Quarantine

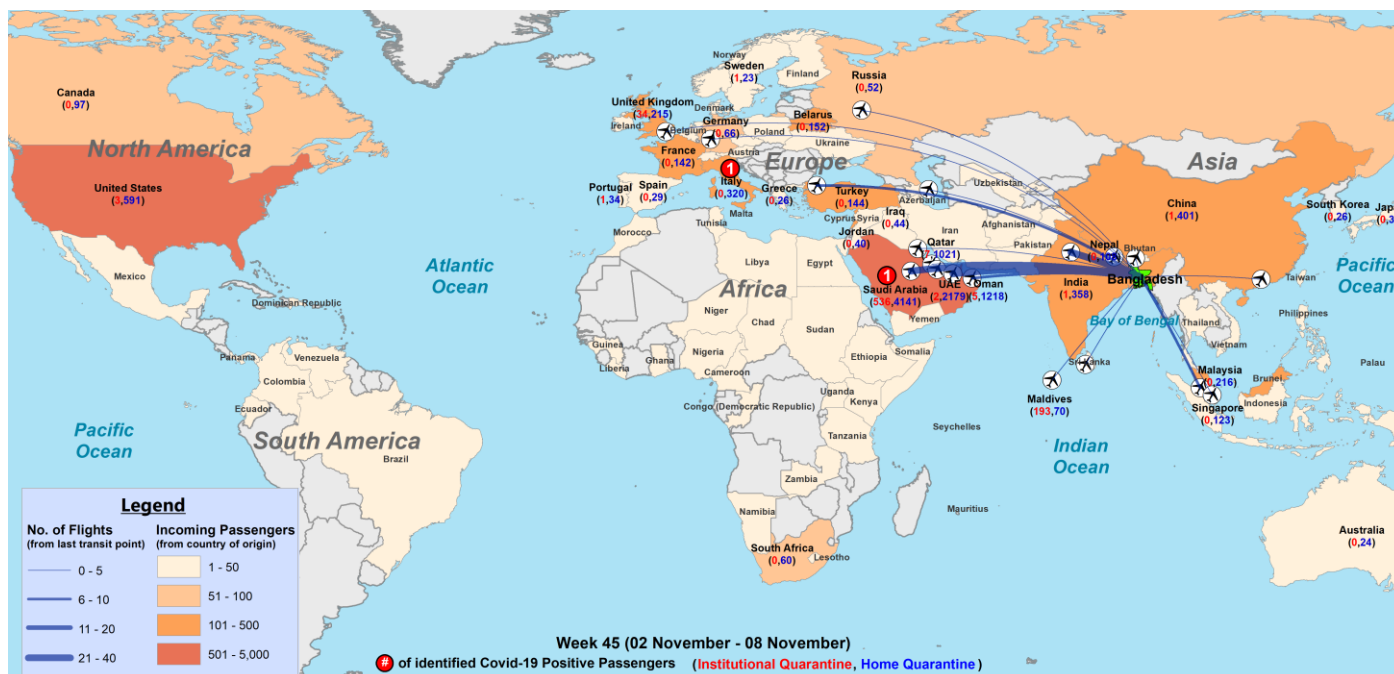
In the reported week (epidemiological week 45), the number of international flights has increased by **16%**, in comparison to the previous week (**143** and **137** respectively) while the number of incoming passengers decreased by **8.7%** (**21,683** and **23,750** respectively). In the reported week **965** 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 – 08 November 2020, Bangladesh*



According to DGHS, as of 02 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 **38839** individuals were placed in quarantine facilities and of them **33717** (87.8%) have already been released. Over the same period, total of **87,467** individuals were isolated in designated health facilities and of them **75,269** (86.1%) have been released.

*The map below is showing geographical distribution of incoming flights and travellers captured through PoE Surveillance, ISO-week 45, 2020, Bangladesh*



## 5. Case Management and Infection Prevention & Control

According to DGHS, as of 09 November 2020, there are **11,608** general beds in the country of which **30.3%** (3,519) in Dhaka city and **564** ICU of which **55.7%** (314) in Dhaka city dedicated for COVID-19 treatment. Presently **21.9%** of the general beds and **52.9%** ICU beds are occupied all over the country.

**The table below is showing a temporal comparison of COVID-19 dedicated facilities, week 43 and week 45, 2020, Bangladesh**

	National			Dhaka		
	09 NOV 2020	26 OCT 2020	Trend	09 NOV 2020	26 OCT 2020	Trend
General Beds	<b>11,608</b>	11,730	↓	<b>3,519</b>	3,519	↔
Bed Occupancy	<b>21.9%</b>	20.1%	↑	<b>52.9%</b>	49.3%	↑
ICU	<b>564</b>	564	↔	<b>314</b>	314	↔
ICU Occupancy	<b>44.8%</b>	46.1%	↓	<b>57.6%</b>	53.5%	↑
Oxygen cylinder	<b>13,095</b>	13,095	↔			
High flow nasal cannula	<b>579</b>	569	↑			
Oxygen concentrator	<b>363</b>	358	↑			

## 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](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](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>