World Health Organization
Bangladesh

COVID-19

30 November 2020
Morbidity and Mortality
Weekly Update (MMWU) N°40

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

'No Mask No Service' rally in the city

Photo Credit: Social Media Bangladesh

Tested	Confirmed Cases	Recovered	Death	Hotline
2,772,701	464,932	380,711	6,644	22.9 million

Test/100,000/Week	Case/100,000/Week	Recovery Rate	CFR%	AR/100,000
63.5	8.8	81.9%	1.43	273

Laboratories	PPE Stock	PoE Screening
118 COVID-19 Labs	939,258	791,605
Last 7 days	4,196,866	52,412
107,570 Samples	213,143	7,029
62.1% Inside Dhaka Tests — 16.8% Overall Positivity	1,794,092	411,940

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

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EUROPEAN COMMISSION Humanitarian Aid and Civil Protection

1. Global Situation

Globally, as of 8:37 PM, 30 November 2020 there have been **62,363,527** confirmed cases of COVID-19, including **1,456,687** deaths received by WHO from national authorities. USA, the world's worst hit country, has counted **13,082,877** (143,211) cases with **263,946** (10,015) deaths as reported to WHO; followed by India with **9,431,691** (38,772) cases; while Brazil reported the third highest cases of **6,290,272** (51,922) and second highest deaths **172,561** (587) followed by India **137,139** (443) 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 – 30 November 2020
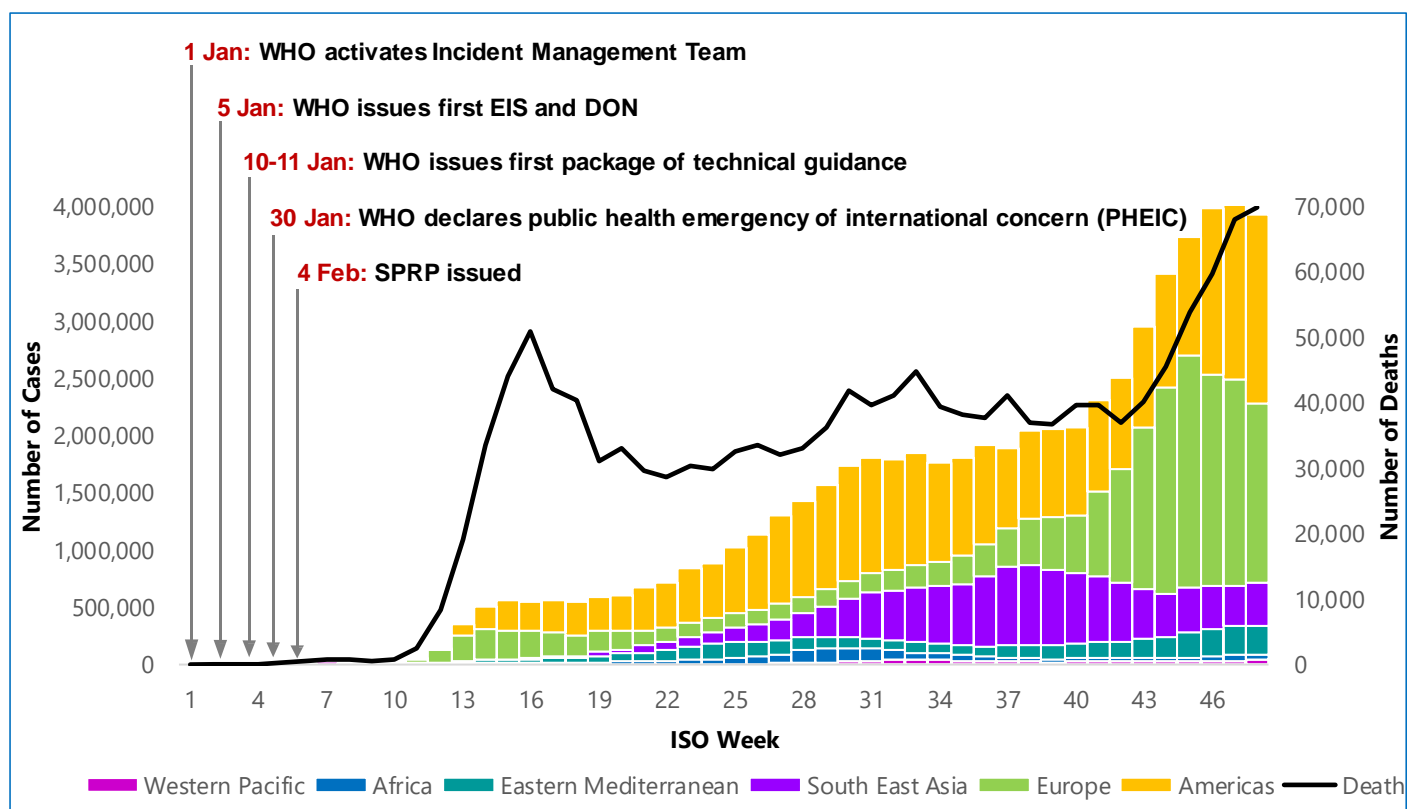
The figure below shows top ranked countries for total cases of confirmed COVID-19, deaths and new cases, 01 January – 30 November 2020

Cases		Deaths		New Cases	
USA	13,082,877	USA	263,946	USA	143,211
India	9,431,691	Brazil	172,561	Brazil	51,922
Brazil	6,290,272	India	137,139	India	38,772
Russia	2,295,654	Mexico	105,459	Russia	26,338
France	2,179,481	UK	58,245	Italy	20,646
Spain	1,628,208	Italy	54,904	Iran	12,950
UK	1,617,331	France	51,965	UK	12,155
Italy	1,585,178	Iran	47,875	Poland	11,482
Argentina	1,413,375	Spain	44,668	Germany	11,169
Colombia	1,299,613	Russia	39,895	Mexico	10,008
BAN (26th)	464,932	BAN (33rd)	6,644	BAN (35th)	2,525

2. Bangladesh Situation

Between 8 March and 30 November 2020, according to the DGHS Press Release <*https://corona.gov.bd/press-release*> there were four hundred sixty-four thousand nine hundred thirty-two (**464,932**) COVID-19 confirmed by rRT-PCR, including six thousand six hundred forty-four (**6,644**) related deaths (**CFR 1.43**%). Bangladesh is the top 26th country in the world and accounts for **0.75**% of the COVID-19 disease burden in the world.

The figure below is showing the trend of COVID-19 cases and deaths, 08 March – 30 November 2020, Bangladesh
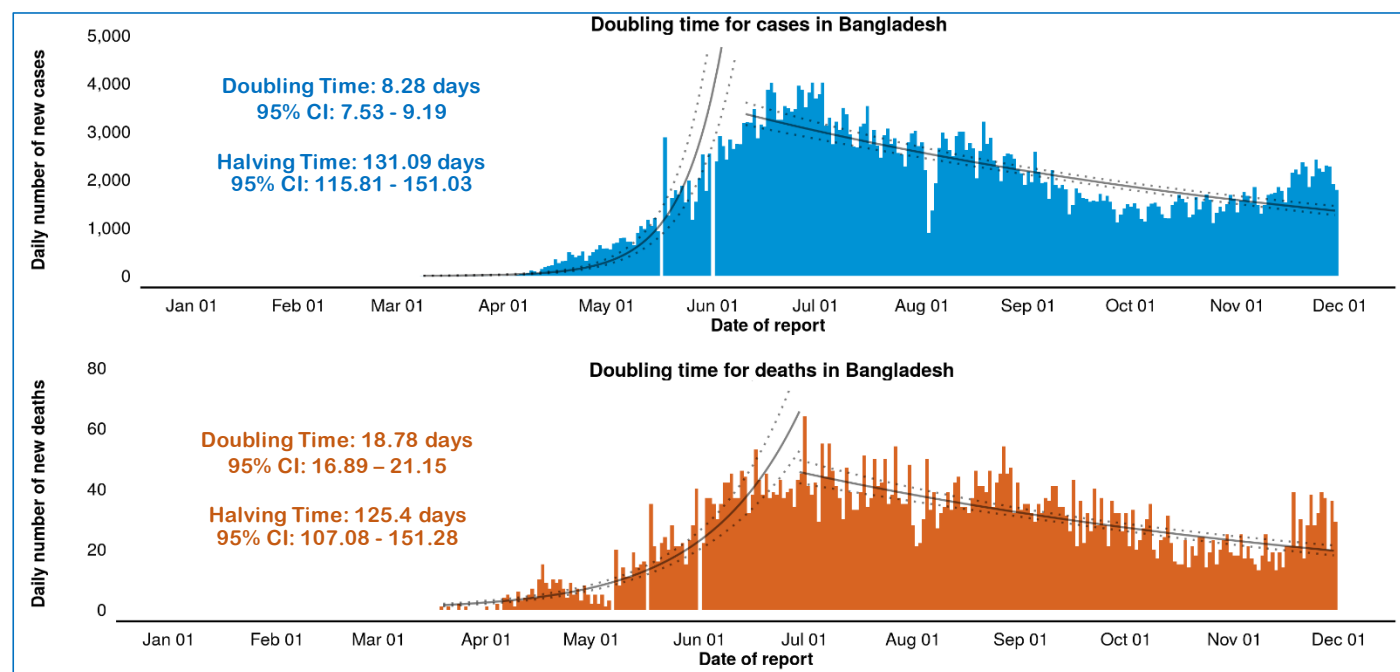
The figure below is showing the weekly test status and positivity of COVID-19, 08 March – 29 November 2020, Bangladesh
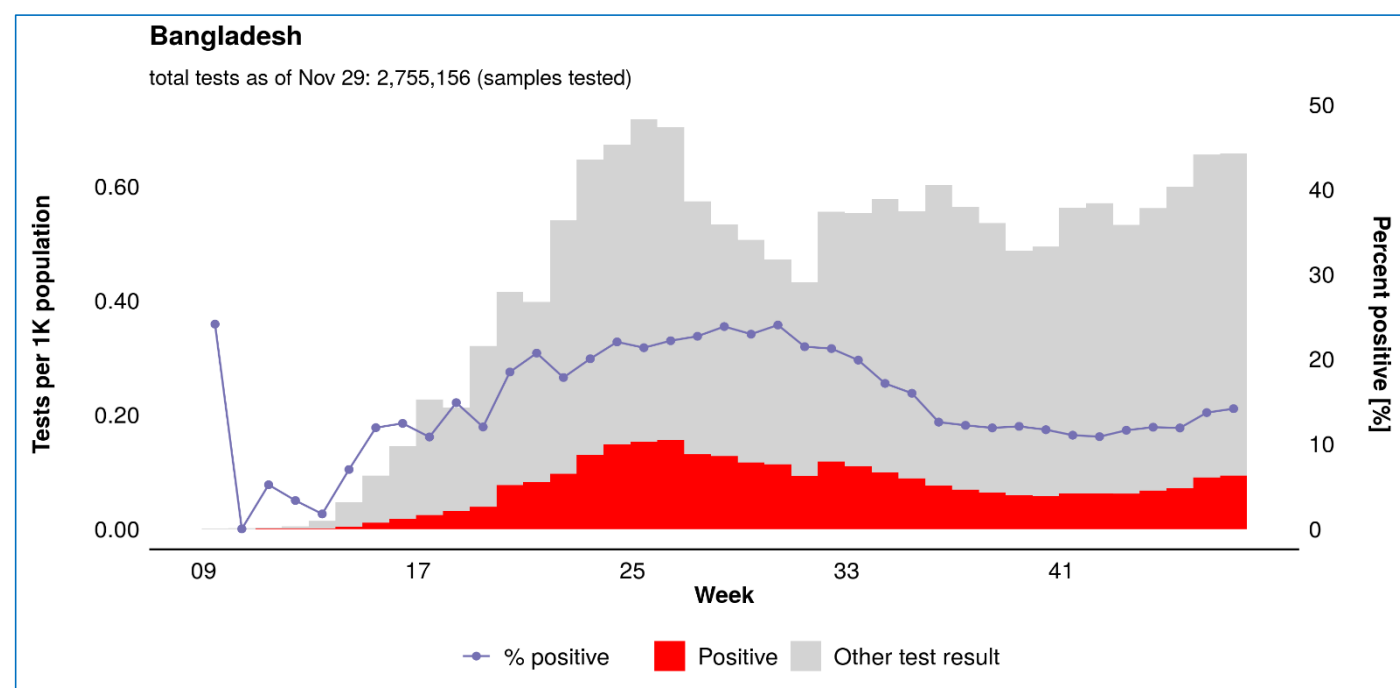
In the epidemiological week 48, number of new cases in Bangladesh is **15,066**; case per 100,000 population per week is **8.8**. New death is **221**; death per 100,000 per week is **0.13**. Weekly new tests is **108,169**; tests per 100,000 per week is **63.5**; weekly test positivity is **13.93**.

3. Surveillance & Laboratory

In the reported week (epidemiological week 48), in comparison to the previous epidemiological week, the number of new weekly COVID-19 cases **increased** by **0.4**% (**15,066** in week 48 and 15,008 in the previous week) while the number of COVID-19 new weekly deaths **increased** by **13.9**% (**221** and 194 respectively); Case Fatality Ratio (CFR) is **static** at **1.43** since last two weeks.

As of 30 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 (**31.7**%) was reported in the age group of 61 to 70 years old, **29.6**% in the older age group of 71 and above and **22.3**% 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 distribution of COVID-19 case and death, 08 March – 30 November 2020, Bangladesh

Division	Cumulative			Week 48		
	Cases	Death	CFR (%)	Cases	Death	CFR (%)
Dhaka	316,728	3,561	1.12	11,624	163	1.40
Chattogram	56,541	1,267	2.24	1,749	22	1.26
Khulna	23,853	496	2.08	287	8	2.79
Rajshahi	22,608	399	1.76	463	13	2.81
Rangpur	14,205	301	2.12	358	9	2.51
Sylhet	14,008	266	1.90	234	2	0.85
Barishal	9,846	222	2.25	220	4	1.82
Mymensingh	7,143	132	1.85	131	-	-
National	**464,932**	**6,644**	**1.43**	**15,066**	**221**	**1.47**

As of 30 November 2020, **68.1**% of reported cases were from **Dhaka** division, **12.2**% from **Chattogram**, **Khulna** – **5.1**%, **Rajshahi** – **4.9**%, **Sylhet** – **3.1**, **Rangpur** – **3.0**%, **Barishal** – **2.1**% and the lowest **1.5**% from **Mymensingh** division.

The figure below is showing the trend of COVID-19 Cases by division, 04 May – 29 November 2020, Bangladesh
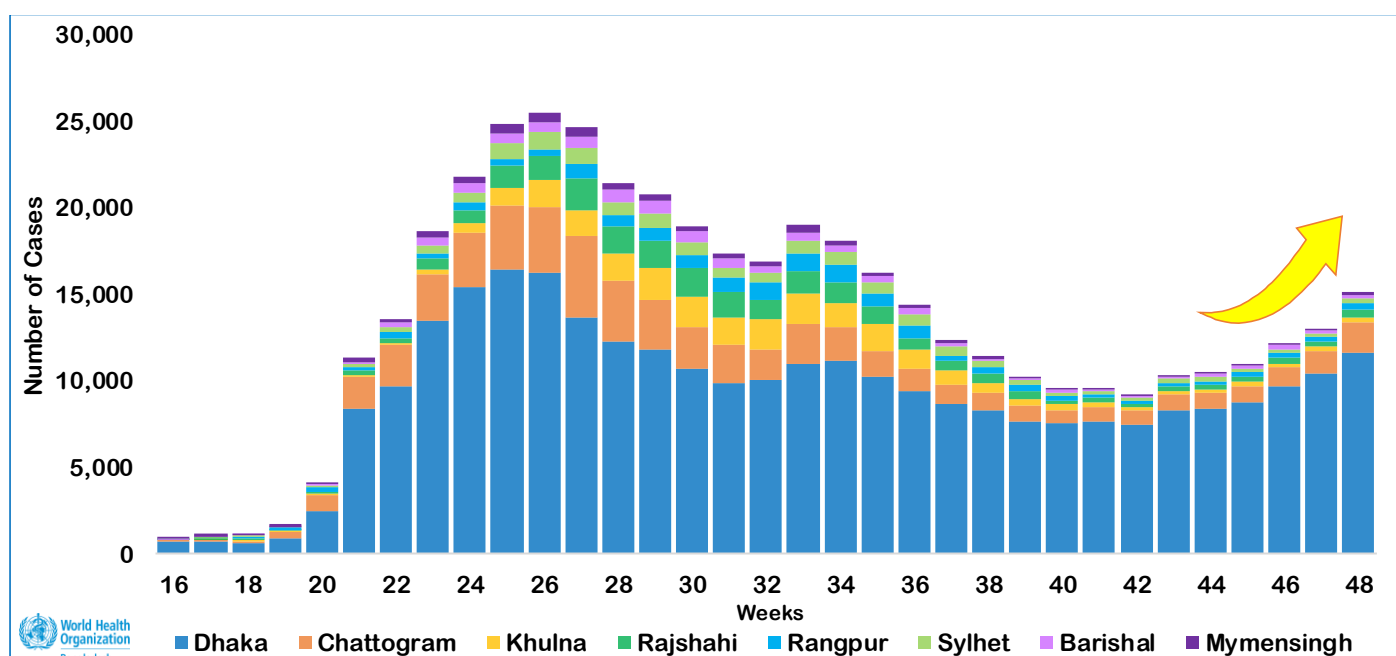
While, **53.6**% of the reported death were from **Dhaka** division, **19.1**% from **Chattogram**, **Khulna** – **7.5**%, **Rajshahi** – **6.0**%, **Sylhet** – **4.5**%, **Rangpur** – **4.1**%, **Barishal** – **3.3**% and the lowest **2.0**% from **Mymensingh** division.
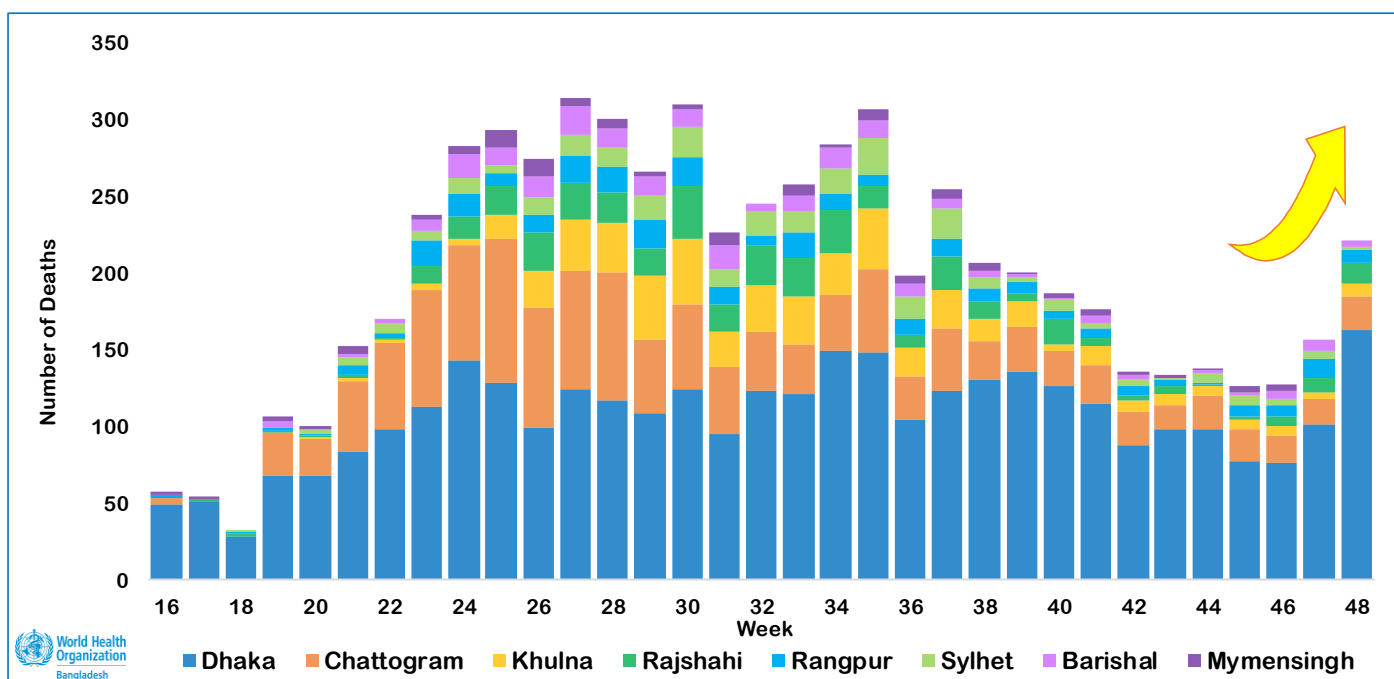
The highest number of weekly cases (**25,481**) reported in epi–week **26** (22 – 28 JUN 2020) while the highest weekly death (**314**) recorded in the following week **27** (29 JUN – 05 JUL 2020). During the last week cases increased in Sylhet by **55**%, Mymensingh – **48.9**%, Chattogram – **26.5**%, Rangpur – **11.9**%, Rajshahi – **7.7**%, Barishal – **2.3** and Khulna by **2.1**%; while cases reduced in Dhaka division by **4.3**% than the previous week.

As on 30 November 2020, overall attack rate (**AR)** in Bangladesh is **273** 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** (272/100,000) increased by **3.4**% from the previous week.

The table below is showing Attack rate per million by District, 08 March – 30 November 2020, Bangladesh

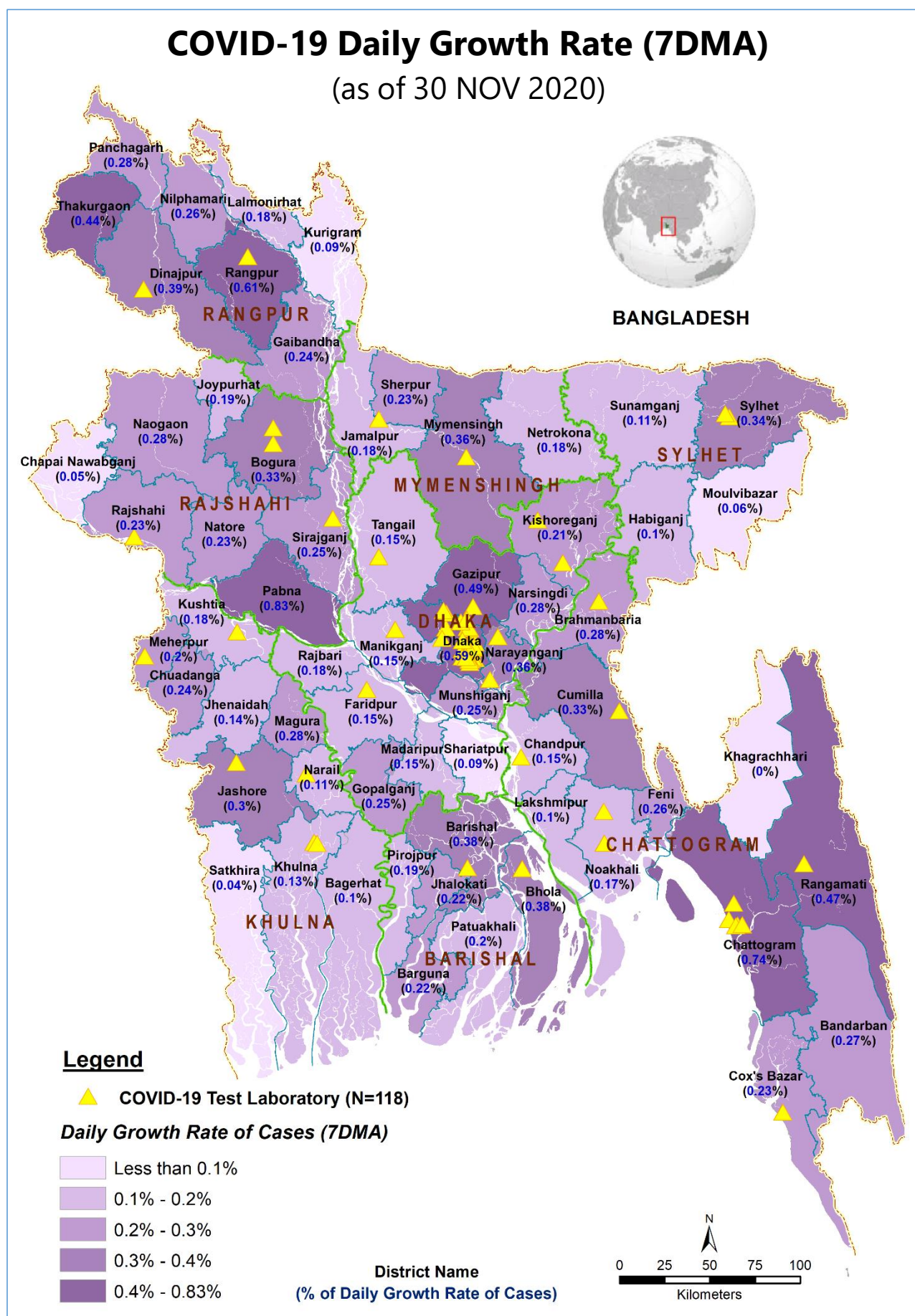| Dhaka Div.	7,349	Chattogram Div.	1,682	Khulna Div.	1,285	Sylhet Div.	1,205
Dhaka City	31,752	Chattogram	2,777	Khulna	2,463	Sylhet	1,982
Faridpur	3,441	Cox's Bazar	2,028	Narail	1,746	Sunamganj	829
Rajbari	2,643	Bandarban	1,862	Kushtia	1,541	Maulvibazar	791
Munshiganj	2,347	Rangamati	1,465	Jashore	1,355	Habiganj	753
Narayanganj	2,243	Noakhali	1,442	Chuadanga	1,194		
Gopalganj	2,056	Cumilla	1,342	Jhenaidah	1,044		
Gazipur	1,580	Feni	1,233	Magura	938		
Shariatpur	1,339	Lakshmipur	1,105	Meherpur	915		
Madaripur	1,129	Khagrachhari	986	Bagerhat	568		
Dhaka (District)	1,016	Chandpur	886	Satkhira	477		
Narsingdi	1,002	Brahmanbaria	799				
Manikganj	990						
Kishoreganj	949						
Tangail	823						
Rajshahi Div.	1,037	Barishal Div.	1,000	Rangpur Div.	762	Mymensingh Div.	550
Bogura	2,197	Barishal	1,623	Dinajpur	1,142	Mymensingh	681
Rajshahi	1,794	Jhalokathi	960	Rangpur	1,055	Jamalpur	643
Joypurhat	1,114	Barguna	947	Thakurgaon	859	Sherpur	316
Sirajganj	652	Patuakhali	877	Lalmonirhat	631	Netrakona	298
Natore	582	Pirojpur	866	Panchagarh	611		
Pabna	461	Bhola	417	Nilphamari	568		
Naogaon	460			Gaibandha	474		
Chapainawabganj	400			Kurigram	392		

The map below is showing geographical distribution of COVID-19 Daily Growth Rate by District, Bangladesh

COVID-19 Daily Growth Rate (7DMA)
(as of 30 NOV 2020)

BANGLADESH

Panchagarh
(0.28%)

Thakurgaon
(0.44%)

Nilphamari
(0.26%)

Lalmonirhat
(0.18%)

Kurigram
(0.09%)

Dinajpur
(0.39%)

Rangpur
(0.61%)

RANGPUR

Gaibandha
(0.24%)

Joypurhat
(0.19%)

Sherpur
(0.23%)

Sunamganj
(0.11%)

Sylhet
(0.34%)

Naogaon
(0.28%)

Jamalpur
(0.18%)

Mymensingh
(0.36%)

Netrokona
(0.18%)

SYLHET

Chapai Nawabganj
(0.05%)

Bogura
(0.33%)

MYMENSHINGH

Moulvibazar
(0.06%)

Rajshahi
(0.23%)

RAJSHAHI

Natore
(0.23%)

Sirajganj
(0.25%)

Tangail
(0.15%)

Kishoreganj
(0.21%)

Habiganj
(0.1%)

Pabna
(0.83%)

Gazipur
(0.49%)

Narsingdi
(0.28%)

Kushtia
(0.18%)

DHAKA

Brahmanbaria
(0.28%)

Meherpur
(0.2%)

Rajbari
(0.18%)

Manikganj
(0.15%)

Dhaka
(0.59%)

Narayanganj
(0.36%)

Chuadanga
(0.24%)

Munshiganj
(0.25%)

Cumilla
(0.33%)

Jhenaidah
(0.14%)

Faridpur
(0.15%)

Khagrachhari
(0%)

Magura
(0.28%)

Madaripur
(0.15%)

Shariatpur
(0.09%)

Chandpur
(0.15%)

Narail
(0.11%)

Jashore
(0.3%)

Gopalganj
(0.25%)

Lakshmipur
(0.1%)

Feni
(0.26%)

CHATTOGRAM

Barishal
(0.38%)

Noakhali
(0.17%)

Rangamati
(0.47%)

Satkhira
(0.04%)

Khulna
(0.13%)

Bagerhat
(0.1%)

Pirojpur
(0.19%)

Jhalokati
(0.22%)

Bhola
(0.38%)

Chattogram
(0.74%)

KHULNA

Patuakhali
(0.2%)

Bandarban
(0.27%)

BARISHAL

Barguna
(0.22%)

Cox's Bazar
(0.23%)

Legend

🔺 **COVID-19 Test Laboratory (N=118)**

Daily Growth Rate of Cases (7DMA)

▫	Less than 0.1%
▫	0.1% - 0.2%
▫	0.2% - 0.3%
▫	0.3% - 0.4%
▫	0.4% - 0.83%

District Name
(% of Daily Growth Rate of Cases)

N

0   25   50   75   100
Kilometers

The table below is showing Heat-map of COVID-19 Growth Rate by District during 17 – 30 November 2020, Bangladesh

|	District	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Barishal	Barguna														
	Barishal														
	Bhola														
	Jhalokati														
	Patuakhali														
	Pirojpur														
Chattogram	Bandarban														
	Brahmanbaria														
	Chandpur														
	Chattogram														
	Cox's Bazar														
	Cumilla														
	Feni														
	Khagrachhari														
	Lakshmipur														
	Noakhali														
	Rangamati														
Dhaka	Dhaka														
	Faridpur														
	Gazipur														
	Gopalganj														
	Kishoreganj														
	Madaripur														
	Manikganj														
	Munshiganj														
	Narayanganj														
	Narsingdi														
	Rajbari														
	Shariatpur														
	Tangail														
Khulna	Bagerhat														
	Chuadanga														
	Jashore														
	Jhenaidah														
	Khulna														
	Kushtia														
	Magura														
	Meherpur														
	Narail														
	Satkhira														
Mymensingh	Jamalpur														
	Mymensingh														
	Netrokona														
	Sherpur														
Rajshahi	Bogura														
	Chapai Nawabganj														
	Joypurhat														
	Naogaon														
	Natore														
	Pabna														
	Rajshahi														
	Sirajganj														
Rangpur	Dinajpur														
	Gaibandha														
	Kurigram														
	Lalmonirhat														
	Nilphamari														
	Panchagarh														
	Rangpur														
	Thakurgaon														
Sylhet	Habiganj														
	Moulvibazar														
	Sunamganj														
	Sylhet														

Out of the total **464,932** COVID-19 cases registered as of 23 November 2020, **81.9**% (380,711) **recovered**, **1.43**% (6,644) **died** and **16.69**% (77,577) are **active cases**. In the epidemiological week 48, weekly average number of COVID-19 **active cases** increased by **0.3**%, in comparison to the previous week (**76,632** and 76,426 respectively); during the same time, weekly **recovery** has increased by **22.2**% (**15,744** and 12,886 respectively).

The figure below is showing trend of COVID-19 cases by Outcome, 08 March – 30 November 2020, Bangladesh
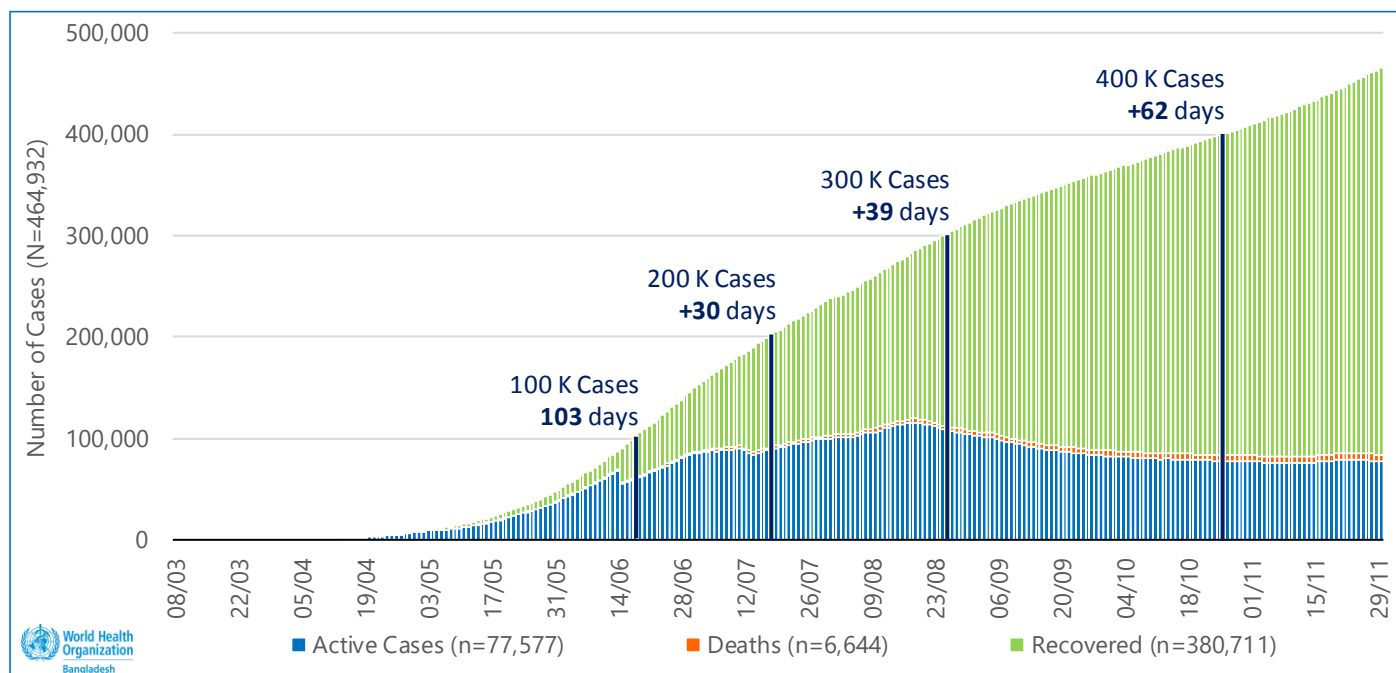
As of 30 November 2020, according to the DGHS Press Release **2,772,701** COVID-19 tests were conducted in Bangladesh with the overall positivity rate of **16.77**% (**16.43**% in last 24 hours) by **118** laboratories; **68** laboratories **(57.6**%**)** in Dhaka and **50** laboratories (**42.4**%) from outside Dhaka. Two laboratories 'Kuwait Bangladesh Friendship Government Hospital' and 'Impulse Molecular Diagnostic Laboratory' joined in the network of COVID-19 testing laboratories since the last update. Total **62.1**% **(1,721,584**/2,772,701) of all samples were tested by the laboratories in Dhaka. As of 30 November 2020, test per case is **5.96** 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 – 30 November 2020, Bangladesh
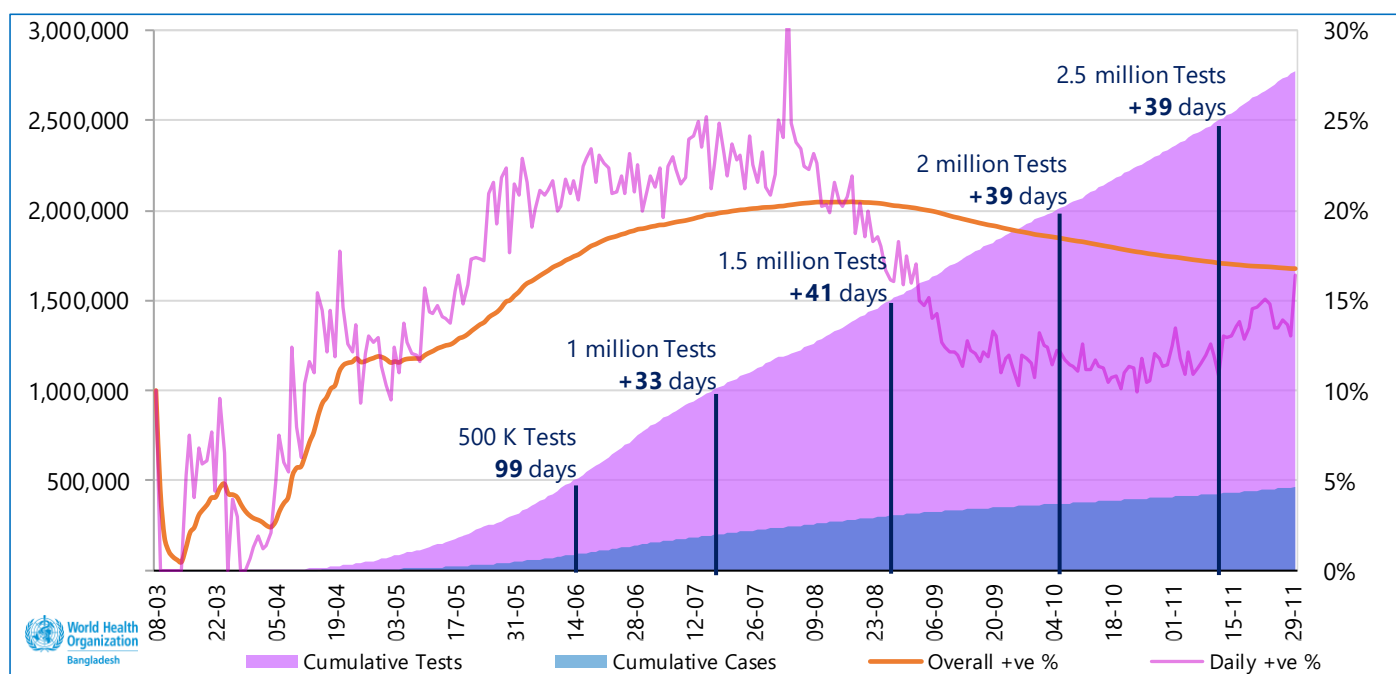
The table below is showing distribution of test positivity rate by district, 16 – 30 November 2020, Bangladesh

| Rangpur Div.	17.6%	Chattogram Div.	15.6%	Barishal Div.	14.0%	Dhaka Div.	13.9%
Thakurgaon	30.3%	Brahmanbaria	25.7%	Jhalokati	66.7%	Munshiganj	24.4%
Dinajpur	18.4%	Cumilla	17.9%	Pirojpur	22.8%	Gopalganj	19.7%
Rangpur	18.0%	Rangamati	17.8%	Barishal	18.2%	Gazipur	18.5%
Panchagarh	17.9%	Chattogram	17.3%	Bhola	10.4%	Faridpur	15.8%
Nilphamari	13.8%	Bandarban	15.8%	Barguna	6.9%	Dhaka	15.7%
Gaibandha	13.5%	Lakshmipur	14.7%	Patuakhali	4.9%	Narsingdi	14.2%
Kurigram	6.9%	Cox's Bazar	13.1%			Rajbari	14.1%
Lalmonirhat	6.5%	Feni	10.0%			Narayanganj	12.0%
		Chandpur	9.4%			Tangail	10.3%
		Noakhali	4.1%			Madaripur	10.2%
		Khagrachhari	0.0%			Shariatpur	9.5%
						Kishoreganj	7.3%
						Manikganj	7.1%
Rajshahi Div.	**9.6%**	**Khulna Div.**	**8.5%**	**Mymensingh Div.**	**8.1%**	**Sylhet Div.**	**7.9%**
Joypurhat	21.8%	Magura	23.4%	Mymensingh	8.7%	Sunamganj	13.9%
Naogaon	12.9%	Narail	19.6%	Sherpur	8.0%	Habiganj	9.7%
Bogura	12.1%	Jashore	18.4%	Jamalpur	7.5%	Sylhet	7.6%
Natore	10.4%	Chuadanga	13.5%	Netrokona	5.6%	Moulvibazar	5.7%
Pabna	8.5%	Bagerhat	12.9%				
Rajshahi	7.7%	Satkhira	11.5%				
Chapai Nawabganj	6.0%	Meherpur	11.2%				
Sirajganj	4.8%	Jhenaidah	10.4%				
		Kushtia	7.3%				
		Khulna	3.3%				

4. Points of Entry & Quarantine

In the reported week (week 48), the number of international flights has increased by **3.4**%, in comparison to the previous week (**153** and 148 respectively) leading to increase in the number of incoming passengers by **5.4**% (**25,765** and 24,455 respectively). In the reported week **1,104** 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 – 29 November 2020, Bangladesh
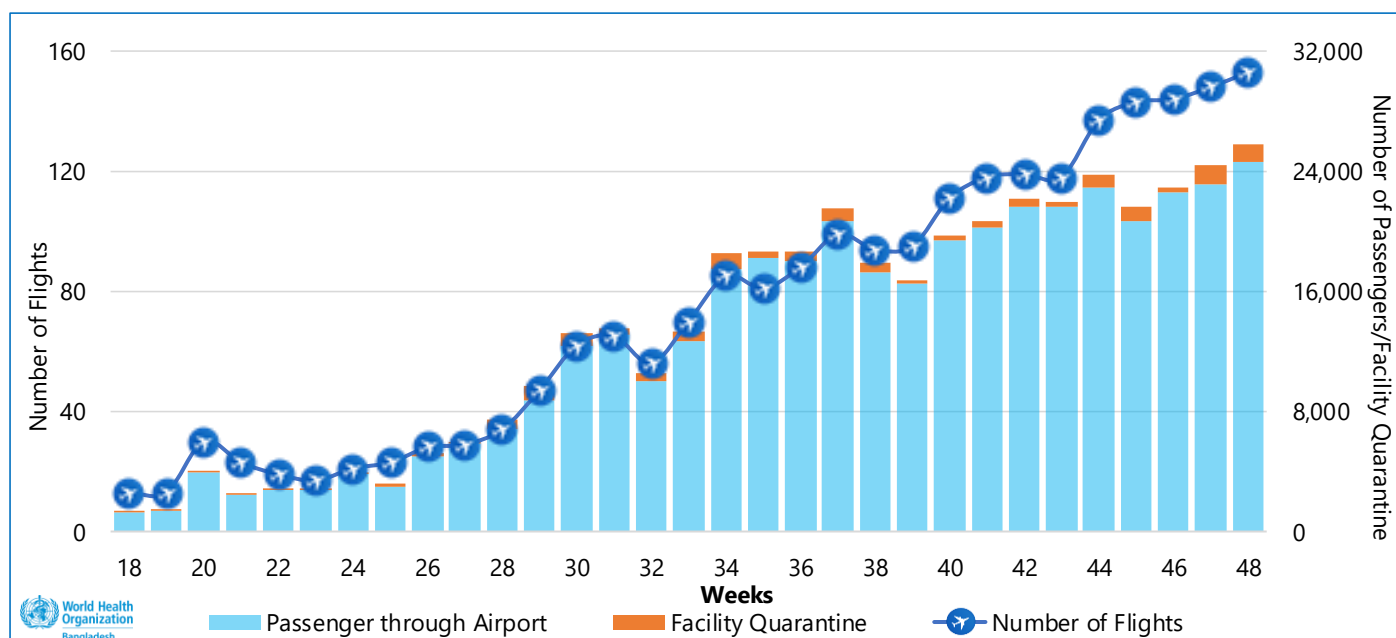
According to DGHS, as of 19 November 2020, the current institutional quarantine capacity in the country is represented by **629** centres across the 64 districts, which can receive **31,991** persons. A total of **41,677** individuals were placed in quarantine facilities and of them **36,704** (88.1%) have already been released. Over the same period, total of **91,245** individuals were isolated in designated health facilitates and of them **78,379** (85.9%) have been released.

The map below is showing geographical distribution of incoming flights and travellers captured through PoE Surveillance, week 48, 2020, Bangladesh
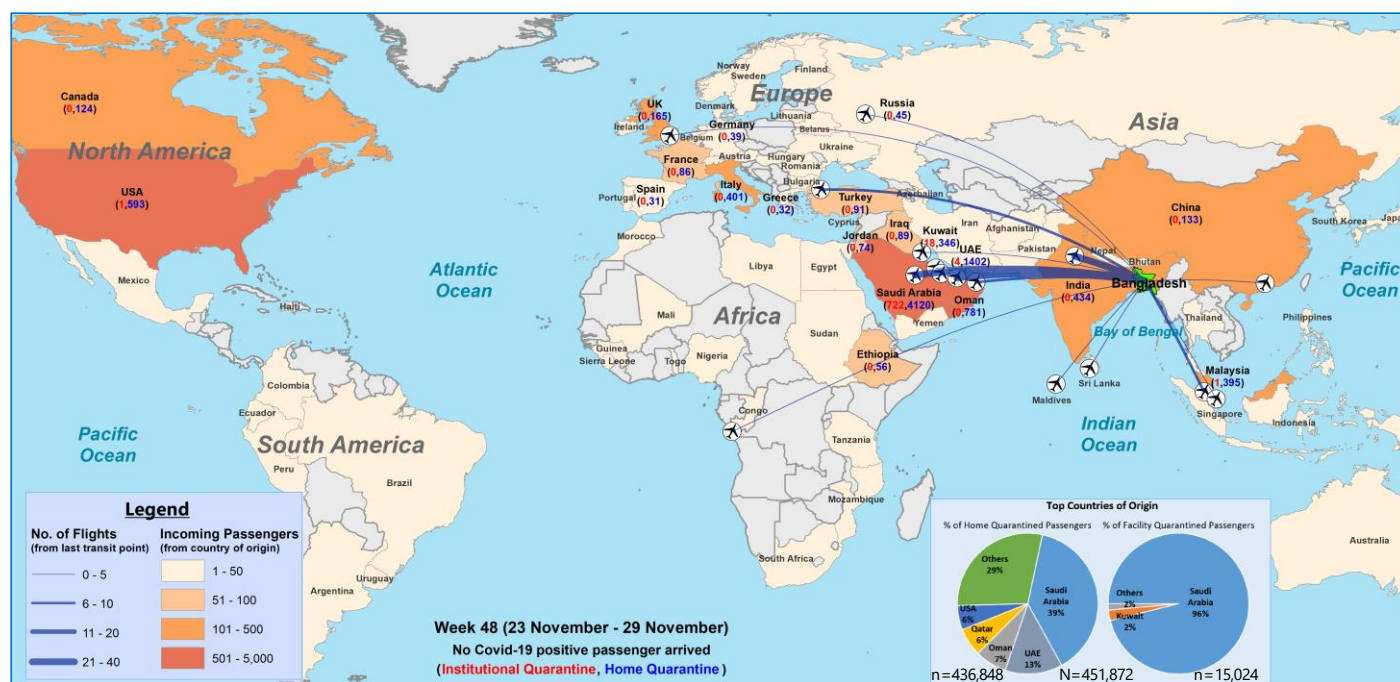
The table below is showing distribution of incoming travellers in last 14 days (N=37,865) sent to Home Quarantine as captured through PoE Surveillance, 17 – 30 November 2020, Bangladesh

Dhaka Div.	13,603	Chattogram Div.	13,490	Sylhet Div.	3,073	Khulna Div.	2,814
Dhaka	6,250	Cumilla	3,754	Sylhet	1,411	Jashore	623
Tangail	973	Chattogram	2,638	Moulvibazar	655	Khulna	411
Narayanganj	866	Brahmanbaria	1802	Habiganj	596	Bagerhat	409
Munshiganj	770	Noakhali	1434	Sunamganj	411	Kushtia	311
Narsingdi	749	Chandpur	1347			Jhenaidah	252
Gazipur	712	Feni	1040			Satkhira	233
Faridpur	708	Lakshmipur	787			Narail	165
Kishoreganj	626	Cox's Bazar	631			Magura	153
Manikganj	559	Khagrachhari	23			Meherpur	143
Madaripur	496	Bandarban	18			Chuadanga	114
Shariatpur	434	Rangamati	16				
Rajbari	240						
Gopalganj	220						
Rajshahi Div.	**2,132**	**Barishal Div.**	**1,267**	**Mymensingh Div.**	**894**	**Rangpur Div.**	**592**
Pabna	673	Barishal	486	Mymensingh	547	Rangpur	137
Bogura	363	Bhola	248	Jamalpur	188	Dinajpur	128
Rajshahi	315	Pirojpur	170	Netrokona	102	Gaibandha	113
Chapai Nawabganj	223	Barguna	130	Sherpur	57	Kurigram	59
Naogaon	192	Patuakhali	127			Nilphamari	57
Sirajganj	169	Jhalokati	106			Thakurgaon	52
Natore	130					Lalmonirhat	23
Joypurhat	67					Panchagarh	23

5.   Case Management and Infection Prevention & Control

According to DGHS, as of 30 November 2020, there are **11,338** general beds in the country of which **30**% (3,404) in Dhaka city and **566** ICU of which **55.8**% (316) in Dhaka city dedicated for COVID-19 treatment. Presently **17.4**% of the general beds and **56.2**% ICU beds are occupied all over the country.

The table below is showing a temporal comparison of COVID-19 dedicated facilities, week 46 and week 48, 2020, Bangladesh

	National			Dhaka		
	30 NOV 2020	16 NOV 2020	Trend	30 NOV 2020	16 NOV 2020	Trend
General Beds	**11,338**	11,453	↓	**3,404**	3,519	↓
Bed Occupancy	**17.4%**	23.1%	↓	**64.9%**	55.1%	↑
ICU	**566**	559	↑	**316**	309	↑
ICU Occupancy	**56.2%**	50.6%	↑	**71.2%**	65.4%	↑
Oxygen cylinder	**13,663**	13,603	↑			
High flow nasal cannula	**609**	604	↑			
Oxygen concentrator	**403**	395	↑			

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