


















Photo Credit: Social Media Bangladesh

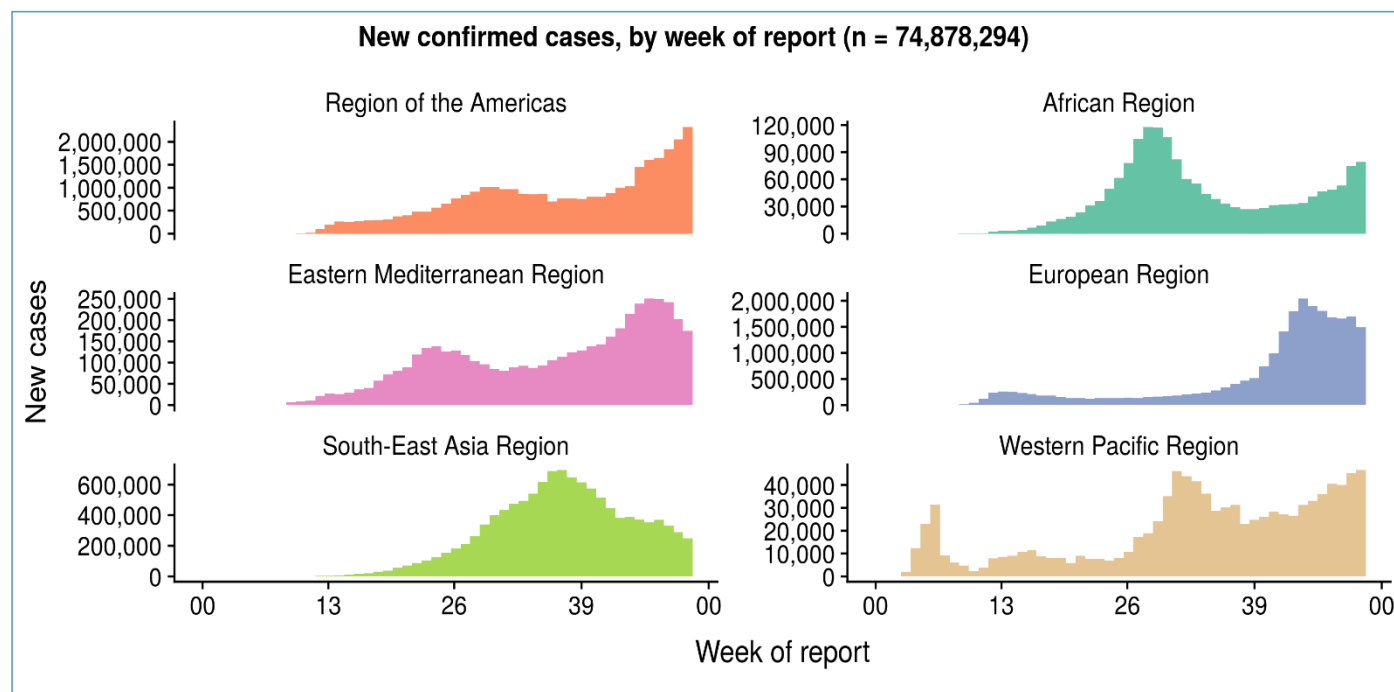
Tested	Confirmed Cases	Recovered	Death	Hotline
 3,075,680	 500,713	 437,527	 7,280	 23.2 million
Test/100,000/Week	Case/100,000/Week	Recovery Rate	CFR%	AR/100,000
62.3	6.0	87.4%	1.45	294
Laboratories		PPE Stock	PoE Screening	
RT PCR Lab : 113 GeneXpert Lab : 18 Rapid Antigen : 29 Tested in Last  days: 106,050  60.5% PCR Tests Inside Dhaka		 866,759  5,916,025  247,599  1,732,064	 890,099  56,369  7,029  423,749	
Overall Positivity 16.3%				

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

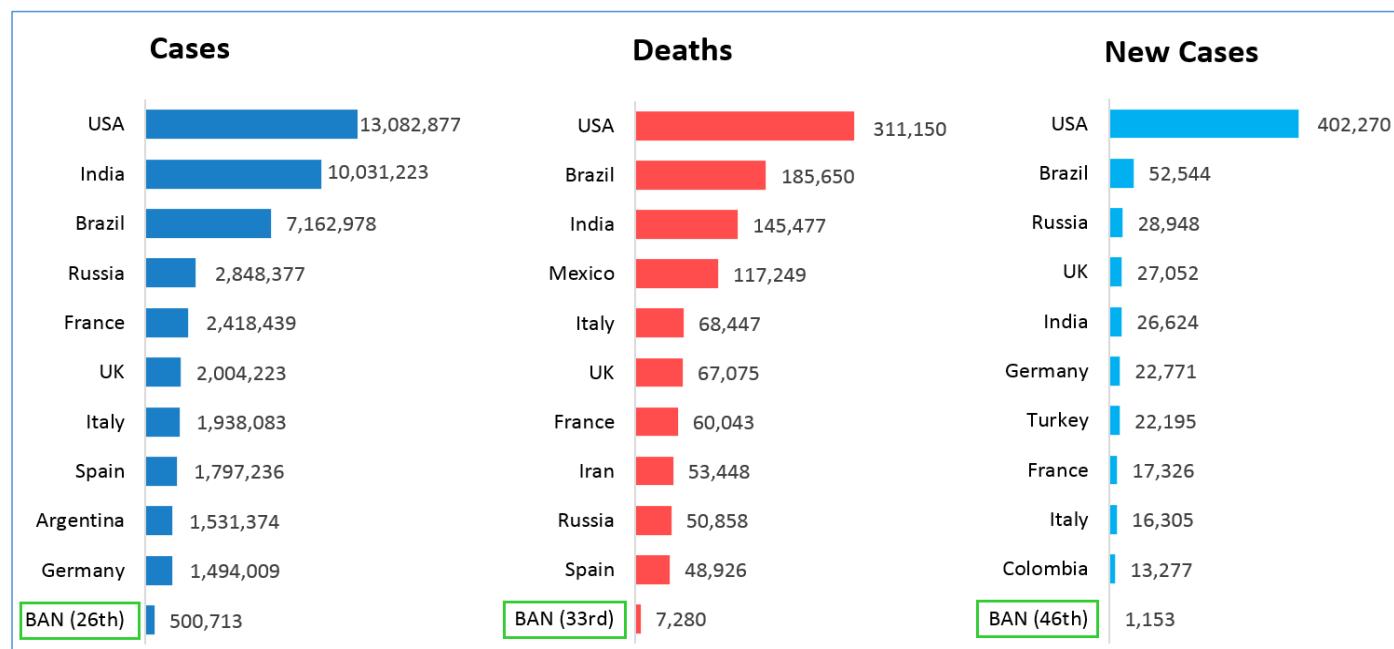
1. Global Situation

Globally, as of 8:05pm, 20 December 2020, there have been 75,098,369 confirmed cases of COVID-19, including 1,680,339 deaths, reported to WHO by the national authorities. USA, the world's worst hit country, has counted **17,314,834** (402,270) cases with **311,150** (2,747) deaths as reported to WHO; followed by India with **10,031,223** (26,624) cases; while Brazil reported the third highest cases of **7,162,978** (52,544) and second highest deaths **185,650** (823) followed by India **145,477** (341) 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 – 20 December 2020



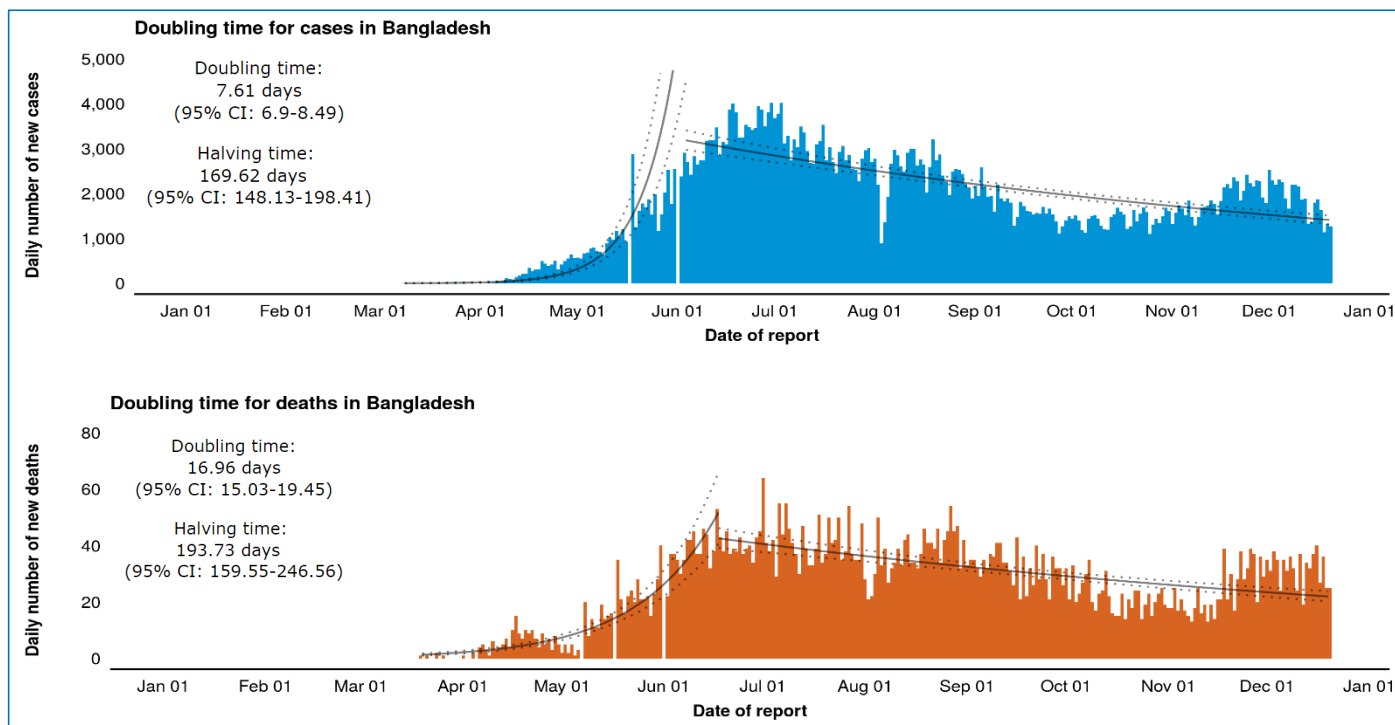
The figure below shows top ranked countries for total cases of confirmed COVID-19, deaths and new cases, 01 January – 20 December 2020



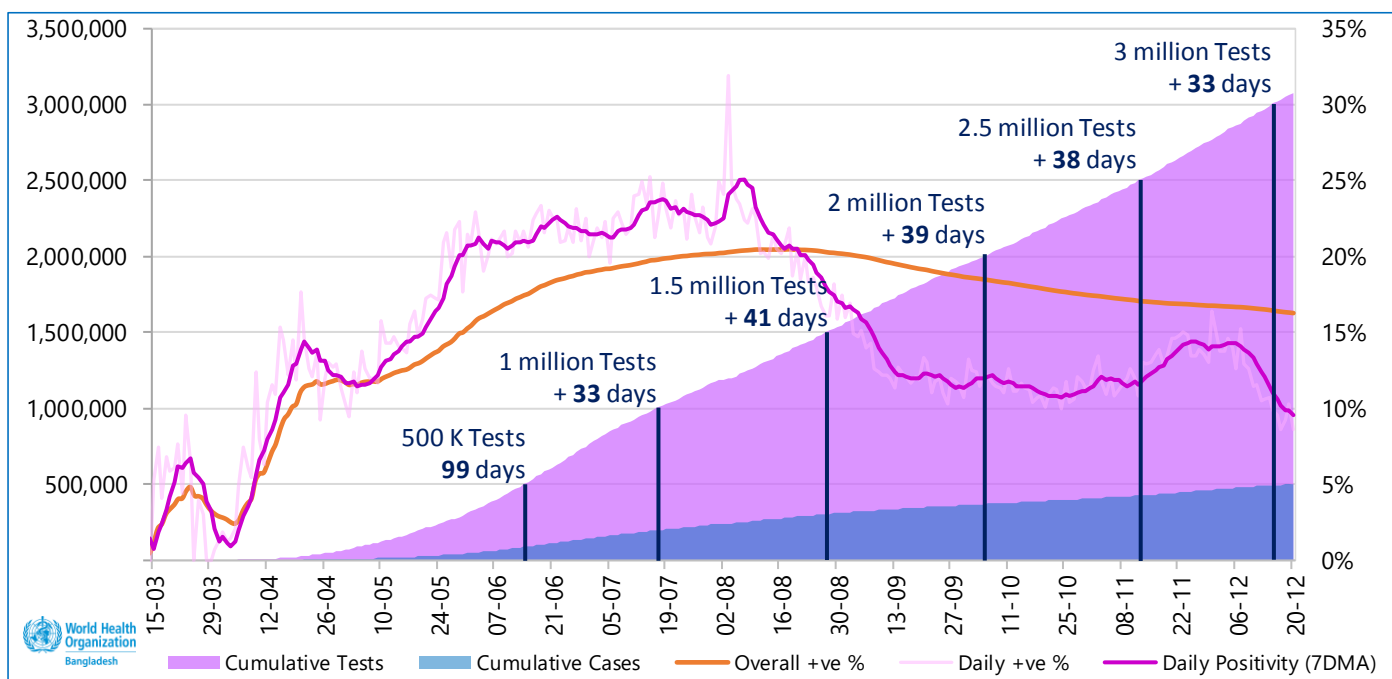
2. Bangladesh Situation

Between 8 March and 20 December 2020, according to the DGHS Press Release <<https://corona.gov.bd/press-release>> there were five hundred thousand seven hundred thirteen (**500,713**) COVID-19 confirmed by rRT-PCR, GeneXpert and Antigen tests including seven thousand forty-five (**7,280**) related deaths (**CFR 1.45%**). Bangladesh is the top 26th country in the world and accounts for **0.7%** of the COVID-19 disease burden in the world.

The figure below is showing the trend of COVID-19 cases and deaths, 08 March – 20 December 2020, Bangladesh



The graph below is showing cumulative number of Samples tested and Positivity rate, 15 March – 20 December 2020, Bangladesh



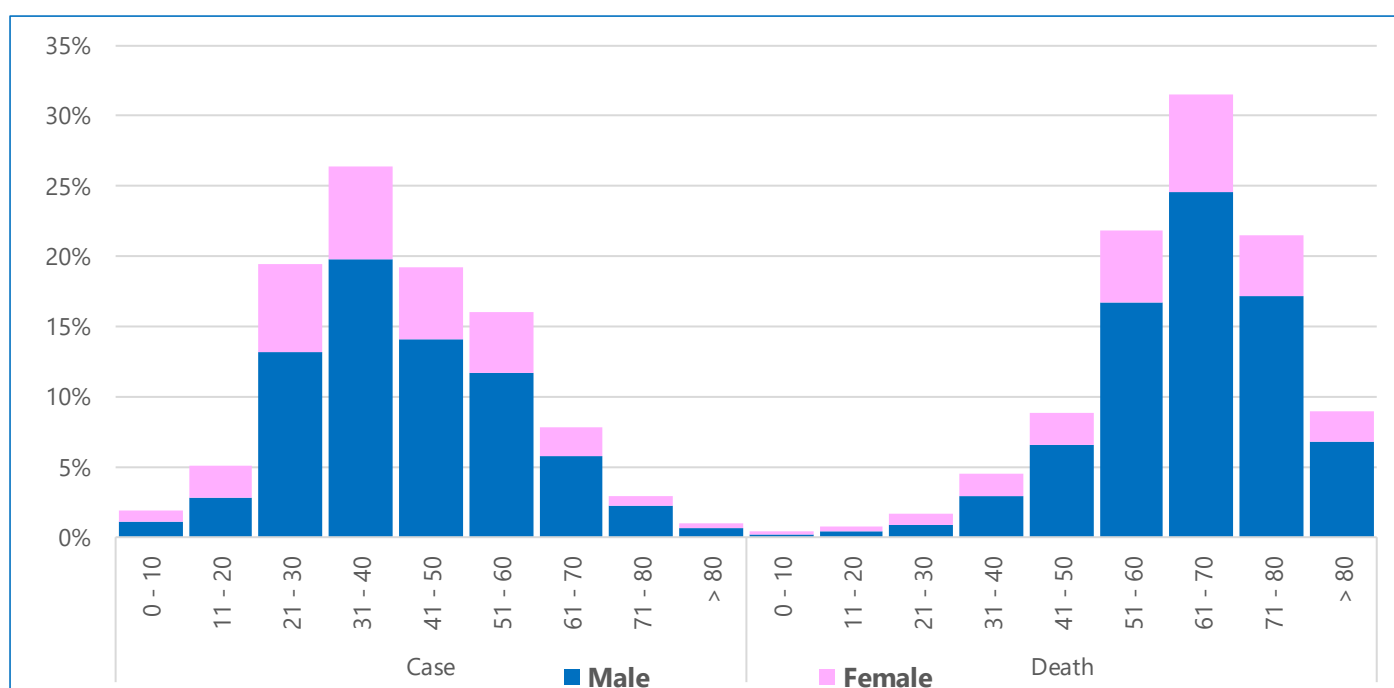
In the epidemiological week 51, number of new cases in Bangladesh is **10,180**; case per 100,000 population per week is **6.0**. New death is **235**; death per 100,000 per week is **0.14**. Weekly new test is **106,050**; tests per 100,000 per week is **62.3**; weekly test positivity is **9.6%**.

3. Surveillance & Laboratory

In the reported week (epidemiological week 51), in comparison to the previous epidemiological week, the number of new weekly COVID-19 cases **decreased** by **21.6%** (**10,180** in week 50 and **12,988** in the previous week) while the number of COVID-19 new weekly deaths **increased** by **13.5%** (**235** and **207** respectively); overall Case Fatality Ratio (CFR) **increase** to **1.45** which was **1.44** for in the last week.

As of 20 December 2020, among the reported cases **26.4%** cases were confirmed in people between 31 and 40 years old, **19.3%** - in the age group of 21 to 30, **19.3%** - 41 to 50 years and **16.0%** 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, **30.5%** in the older age group of 71 and above and **21.9%** in the age group between 51 and 60 years. Male represented **71%** and **76%** of the of total reported confirmed COVID-19 cases and deaths respectively.

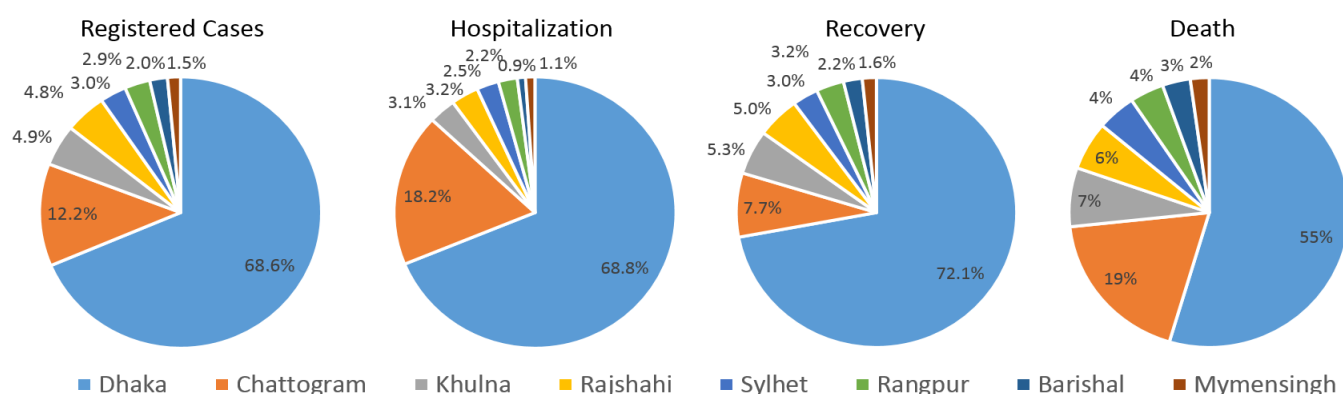
The figure below is showing Age-Sex distribution of COVID-19 case and death, 08 March – 20 December 2020, Bangladesh



The table below is showing distribution of COVID-19 case and death, 08 March – 20 December 2020, Bangladesh

Division	Cumulative			Week 51		
	Cases	Death	CFR (%)	Cases	Death	CFR (%)
Dhaka	343,535	3,971	1.16	7,447	143	1.92
Chattogram	61,197	1,361	2.22	1,428	43	3.01
Khulna	24,564	514	2.09	193	8	4.15
Rajshahi	23,975	421	1.76	427	10	2.34
Rangpur	15,210	327	2.15	305	9	2.95
Sylhet	14,579	286	1.96	166	8	4.82
Barishal	10,210	235	2.30	112	1	0.89
Mymensingh	7,443	158	2.12	102	6	5.88
National	500,713	7,273	1.45	10,180	228	2.24

As of 20 December 2020, **68.6%** of reported cases were from **Dhaka** division, **12.2%** from **Chattogram**, **Khulna – 4.9%**, **Rajshahi – 4.8%**, **Sylhet – 3.0%**, **Rangpur – 2.9%**, **Barishal – 2.0%** and the lowest **1.5%** from **Mymensingh** division.



While, **54.3%** of the reported death were from **Dhaka** division, **18.7%** from **Chattogram**, **Khulna – 7.2%**, **Rajshahi – 5.8%**, **Sylhet – 4.5%**, **Rangpur – 3.9%**, **Barishal – 3.3%** and the lowest **2.2%** 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 Rajshahi division by **20.1%**, followed by Rangpur – **14.2%** and Chattogram – **11.3%**; while cases reduced in Barishal division by **34.5%** followed by Sylhet – **13.2%**, Khulna – **10.8%**, Mymensingh – **8.4%** and Dhaka – **1%** than the last week.

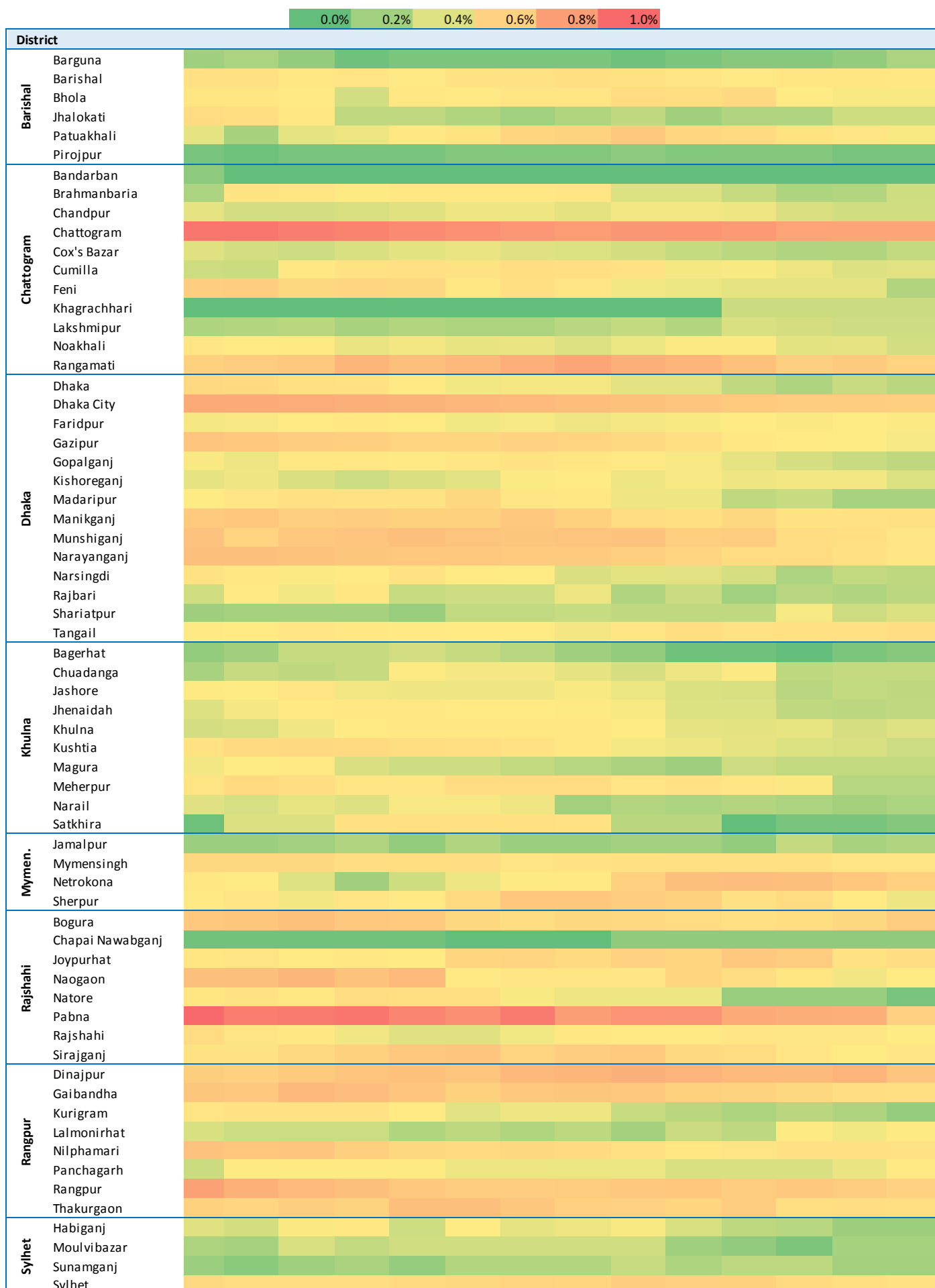
As on 20 December 2020, overall attack rate (**AR**) in Bangladesh is **294** per 100,000 population and **100%** (**64/64**) of districts with the estimated total population of 170,306,468 have reported confirmed COVID-19 cases. In the reported week (week 51), COVID-19 weekly average **AR** (294/100,000) increased by **2.1%** from the previous week.

The table below is showing Attack rate per million by District, 08 March – 20 December 2020, Bangladesh

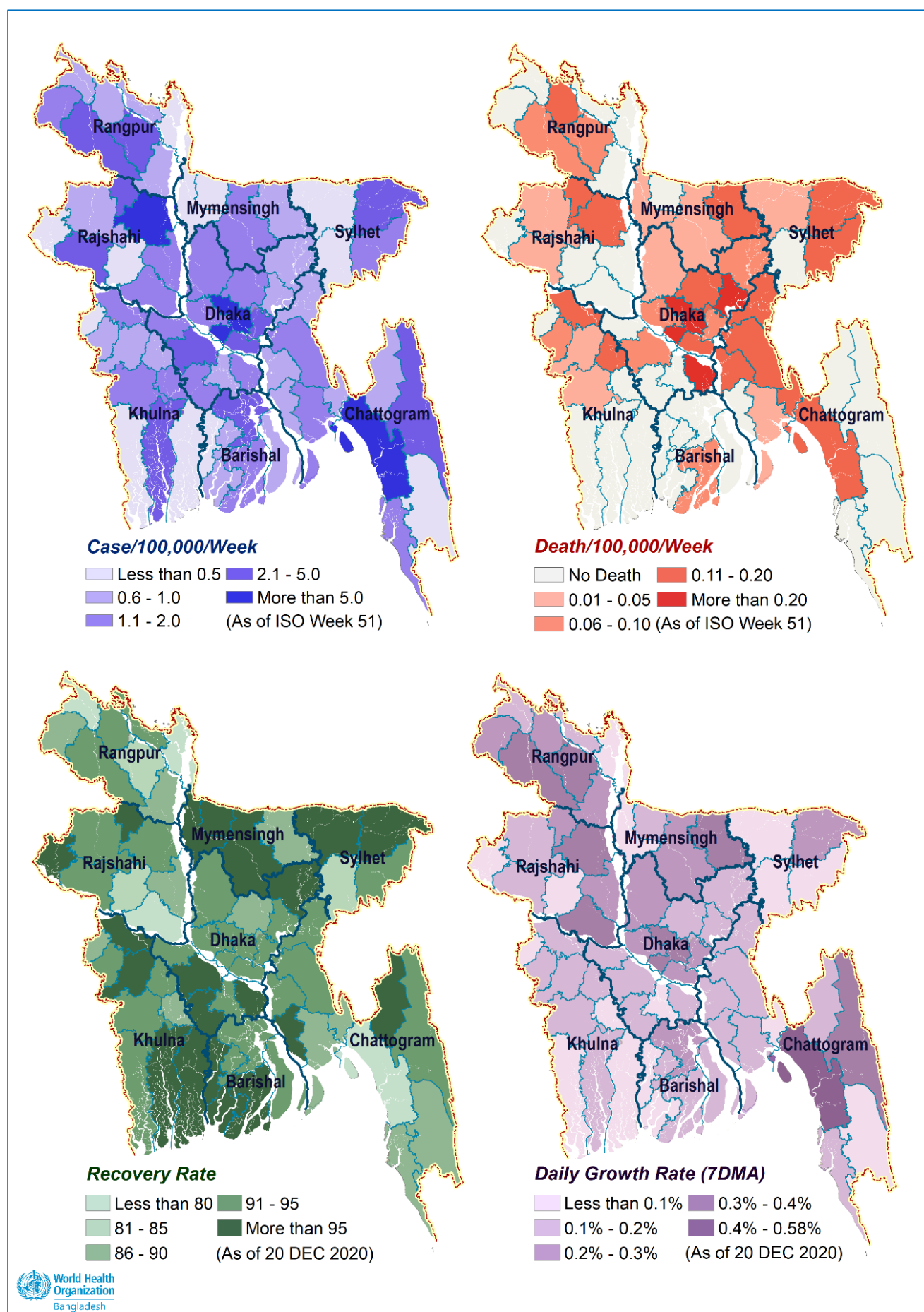
Dhaka Div.	7,972	Chattogram Div.	1,820	Khulna Div.	1,324	Sylhet Div.	1,254
Dhaka City	34,688	Chattogram	3,180	Khulna	2,542	Sylhet	2,092
Faridpur	3,561	Cox's Bazar	2,082	Narail	1,783	Sunamganj	843
Rajbari	2,710	Bandarban	1,869	Kushtia	1,599	Maulvibazar	807
Munshiganj	2,515	Rangamati	1,584	Jashore	1,397	Habiganj	773
Narayanganj	2,397	Noakhali	1,490	Chuadanga	1,223		
Gopalganj	2,125	Cumilla	1,391	Jhenaidah	1,075		
Gazipur	1,674	Feni	1,289	Magura	963		
Shariatpur	1,364	Lakshmipur	1,128	Meherpur	954		
Madaripur	1,164	Khagrachhari	995	Bagerhat	575		
Manikganj	1,056	Chandpur	912	Satkhira	486		
Dhaka (District)	1,054	Brahmanbaria	822				
Narsingdi	1,034						
Kishoreganj	979						
Tangail	857						
Rajshahi Div.	1,099	Barishal Div.	1,037	Rangpur Div.	815	Mymensingh Div.	573
Bogura	2,352	Barishal	1,700	Dinajpur	1,238	Mymensingh	715
Rajshahi	1,870	Jhalokathi	992	Rangpur	1,148	Jamalpur	653
Joypurhat	1,175	Barguna	960	Thakurgaon	914	Sherpur	333
Sirajganj	688	Patuakhali	915	Lalmonirhat	649	Netrakona	313
Natore	599	Pirojpur	871	Panchagarh	630		
Pabna	525	Bhola	436	Nilphamari	605		
Naogaon	487			Gaibandha	508		
Chapainawabganj	402			Kurigram	405		

Out of the total **500,713** COVID-19 cases registered as of 20 December 2020, **87.4%** (437,527) **recovered**, **1.45%** (7,280) **died** and **11.17%** (55,906) are **active cases**. In the epidemiological week 51, weekly average number of COVID-19 **active cases** decreased by **15%**, in comparison to the previous week (**58,485** and **62,592** respectively); during the same time, weekly **recovery** has decreased by **33.3%** (**16,631** and **24,936** respectively).

The table below is showing COVID-19 daily Growth Rate by District during 07 – 20 DEC 2020, Bangladesh

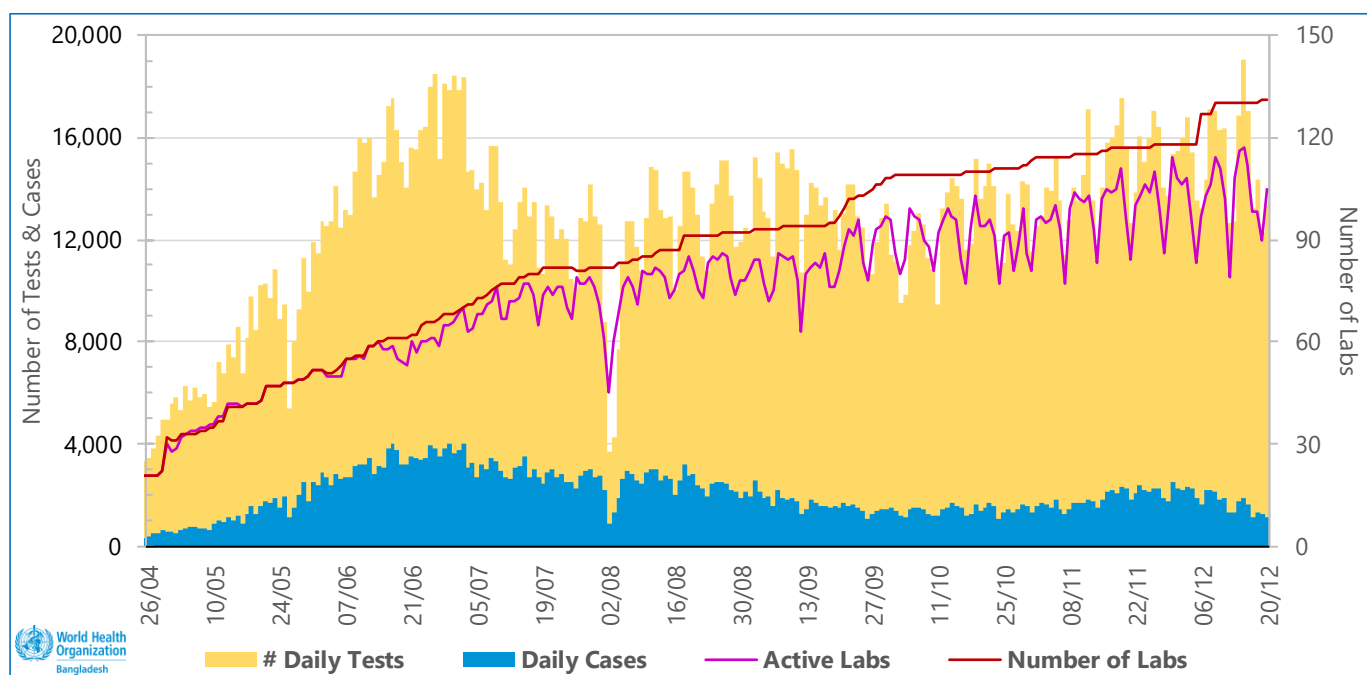


The map below is showing geographical distribution of COVID-19 cases, deaths, recovery and daily growth rate by district and population, Week 51, Bangladesh



As of 06 December 2020, according to the DGHS Press Release **3,075,680** COVID-19 tests were conducted in Bangladesh with the overall positivity rate of **16.28%** (**8.7%** in last 24 hours) by **160** laboratories. As of 20 December 2020, test per case is **6.14** which indicates the number of tests required to identify 1 case.

The figure below is showing number of Tests and number of Active laboratories with the increasing number of COVID-19 testing laboratories, 26 April – 20 December 2020, Bangladesh



4. Points of Entry & Quarantine

In the reported week (week 51), the number of international flights has decreased by **5.9%**, in comparison to the previous week (**160** and **170** respectively) leading to decrease in the number of incoming passengers by **3.3%** (**26,547** and **27,448** respectively). In the reported week **433** individuals were sent to Institutional Quarantine after passenger screening at the Hazrat Shahjalal International Airport (HSIA).

According to DGHS, as of 20 December 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 **44,387** individuals were placed in quarantine facilities and of them **41,049** (92.5%) have already been released. Over the same period, total of **94,940** individuals were isolated in designated health facilities and of them **82,612** (87%) have been released.

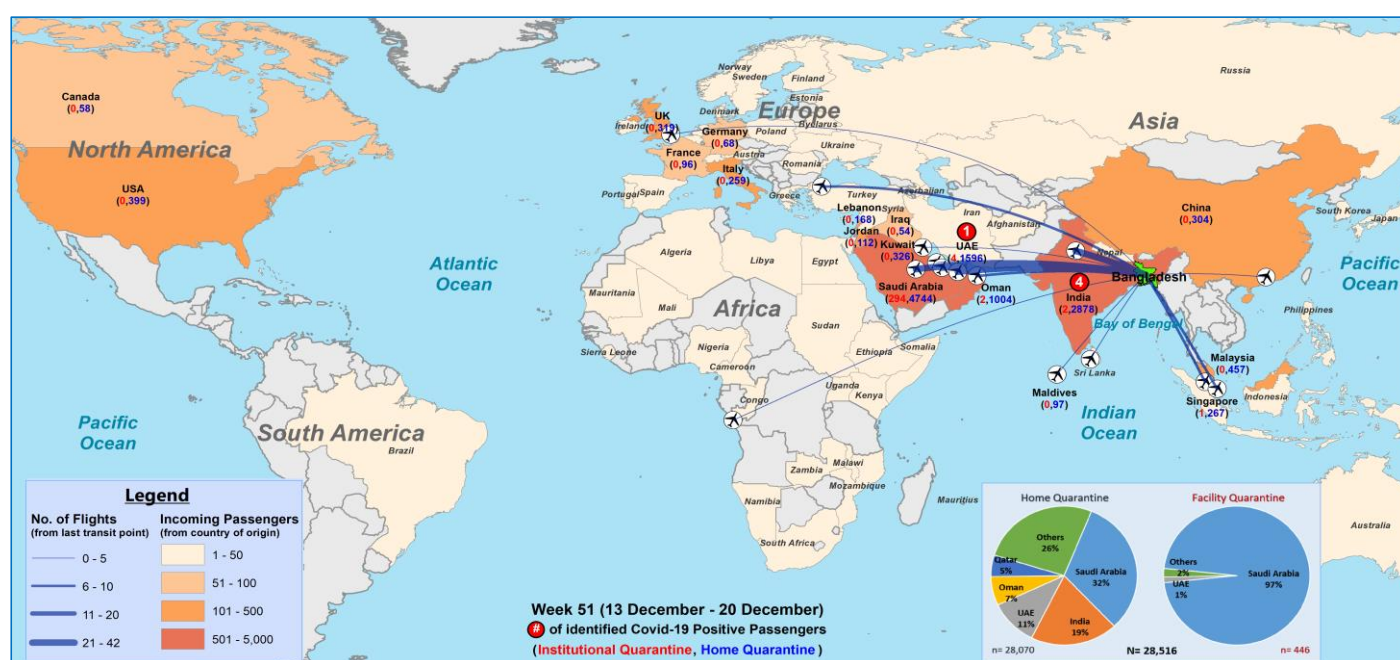
The table below is showing distribution of incoming travellers in last 14 days (N=32,473) sent to Home Quarantine as captured through PoE Surveillance, 07 – 20 DEC 2020, Bangladesh

Dhaka Div.	13,228	Chattogram Div.	12,817	Sylhet Div.	3,105	Khulna Div.	2,856
Dhaka	5,814	Cumilla	3,765	Sylhet	1,448	Jashore	594
Tangail	1,072	Chattogram	2,260	Moulvibazar	672	Khulna	514
Munshiganj	840	Brahmanbaria	1,815	Habiganj	565	Bagerhat	375
Gazipur	780	Noakhali	1,338	Sunamganj	420	Kushtia	317
Narayanganj	777	Chandpur	1,255			Satkhira	245
Faridpur	721	Feni	948			Jhenaidah	222
Narsingdi	710	Lakshmipur	821			Meherpur	161
Kishoreganj	597	Cox's Bazar	553			Chuadanga	157
Manikganj	580	Khagrachhari	27			Narail	156
Madaripur	446	Rangamati	21			Magura	115
Shariatpur	400	Bandarban	14				
Rajbari	246						
Gopalganj	245						

Rajshahi Div.	1,742	Barishal Div.	1,252	Mymensingh Div.	983	Rangpur Div.	578
Pabna	384	Barishal	462	Mymensingh	595	Rangpur	135
Bogura	338	Bhola	224	Jamalpur	226	Dinajpur	134
Rajshahi	251	Pirojpur	217	Netrokona	110	Gaibandha	120
Naogaon	197	Barguna	138	Sherpur	52	Nilphamari	54
Sirajganj	190	Patuakhali	118			Thakurgaon	52
Chapai Nawabganj	187	Jhalokati	93			Kurigram	50
Natore	128					Lalmonirhat	25
Joypurhat	67					Panchagarh	8

During the reporting week 51, five (5) positive cases were identified at the designated points of entries if the country (4 travelling from India and 1 from United Arab Emirates). Out of individuals sent to Institutional Quarantine after passenger screening at HSIA during the week **68%** (294/433) are travelling from Saudi Arabia.

The map below is showing geographical distribution of incoming flights and travellers captured through PoE Surveillance, week 51 (14 – 20 DEC), 2020, Bangladesh



5. Case Management and Infection Prevention & Control

According to DGHS, as of 20 December 2020, there are **10,460** general beds in the country of which **31.4%** (3,284) in Dhaka city and **568** ICU of which **50.4%** (286) in Dhaka city dedicated for COVID-19 treatment. Presently **25.5%** of the general beds and **53.2%** ICU beds are occupied all over the country.

The table below is showing a temporal comparison of COVID-19 dedicated facilities, week 49 and week 51, 2020, Bangladesh

	National			Dhaka		
	20 DEC 2020	06 DEC 2020	Trend	20 DEC 2020	06 DEC 2020	Trend
General Beds	10,460	11,353	↓	3,284	3,404	↓
Bed Occupancy	25.5%	27%	↓	55.1%	63%	↓
ICU	568	578	↓	286	316	↓
ICU Occupancy	53.2%	58%	↓	74.1%	73%	↑

	National			Dhaka		
	20 DEC 2020	06 DEC 2020	Trend	20 DEC 2020	06 DEC 2020	Trend
Oxygen cylinder	13,192	14,425	↓			
High flow nasal cannula	667	625	↑			
Oxygen concentrator	614	584	↑			

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>