












Photo Credit: Social Media, Bangladesh

Highlights:

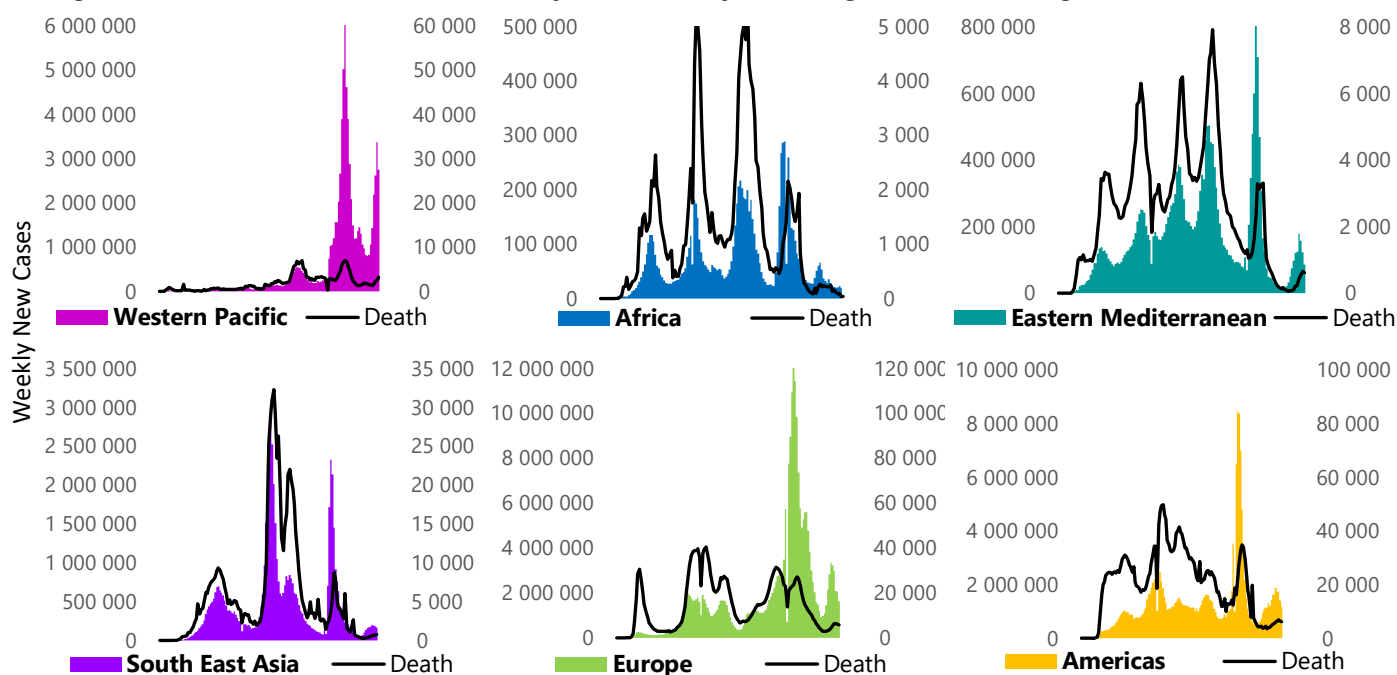
- The daily reported COVID-19 cases and deaths decreased further this week to 1 100 cases and 2 deaths compared to 1 535 cases and 9 deaths the previous week.
- The country continues to make progress in the utilization of public health facilities for out and in patient services. Over 5.3 million outpatient services were offered during July 2022 which is 2.4 times higher compared to July 2020 and a 15% increase for in-patients in the same period.
- Full primary dose COVID-19 vaccination is now at 71.1% of total population. A vaccine effectiveness study is underway to better understand the immunity provided by these vaccines.

Tested	Confirmed Cases	Recovered	Death	Hotline
				
14 704 807	2 009 970	1 953 740	29 315	34.9 million
Test/100 000/Week	Case/100 000/Week	Recovery Rate	CFR%	AR/100 000
16.2	0.6	97.2%	1.46	1 180
Testing Lab/Centres, Number of weekly Tests in 880 facilities			PoE Screening	
<div><div>RT PCR Lab : 161</div><div>GeneXpert Lab : 57</div><div>Rapid Antigen : 662</div><div>Last week daily Test average: 3 938</div></div> <div><div><div><div><div></div><div>GeneX</div><div>0.9%</div></div><div><div></div><div>Rt-PCR</div><div>88.6%</div></div><div><div></div><div>AgRDT</div><div>10.5%</div></div></div><div>Cumulative Tests</div></div></div>			<div><div></div><div>3 846 013</div></div> <div><div></div><div>162 461</div></div> <div><div></div><div>7 029</div></div> <div><div></div><div>1 086 987</div></div>	
Vaccination	Vaccinated - 1 st dose	129 853 247	<div><div><div><div></div><div>Male</div><div>49.7%</div></div><div><div></div><div>Female</div><div>50.3%</div></div></div><div>Full dose by Gender</div></div>	
	Vaccinated - 2 nd dose	121 044 894		
	Vaccinated - Booster dose	42 652 423		
	Coverage - 1 st dose, Full dose	76.2%, 71.1%		
Data Source: All national data have been incorporated from different sources of the Directorate General of Health Services, MoHFW, Bangladesh				

Global & Regional Situation

- Globally, as of 21 August 2022, **592 843 085** confirmed cases of COVID-19, including **6 445 866** deaths reported to WHO through national authorities.
- Most of the cases have been reported from the USA, with **92 108 785** cases and **1 028 619** deaths, followed by India with **44 339 429** cases and the third-highest death count of **527 332**. Brazil reported the third-highest case of **34 223 207** and the second-highest death of **682 010**.

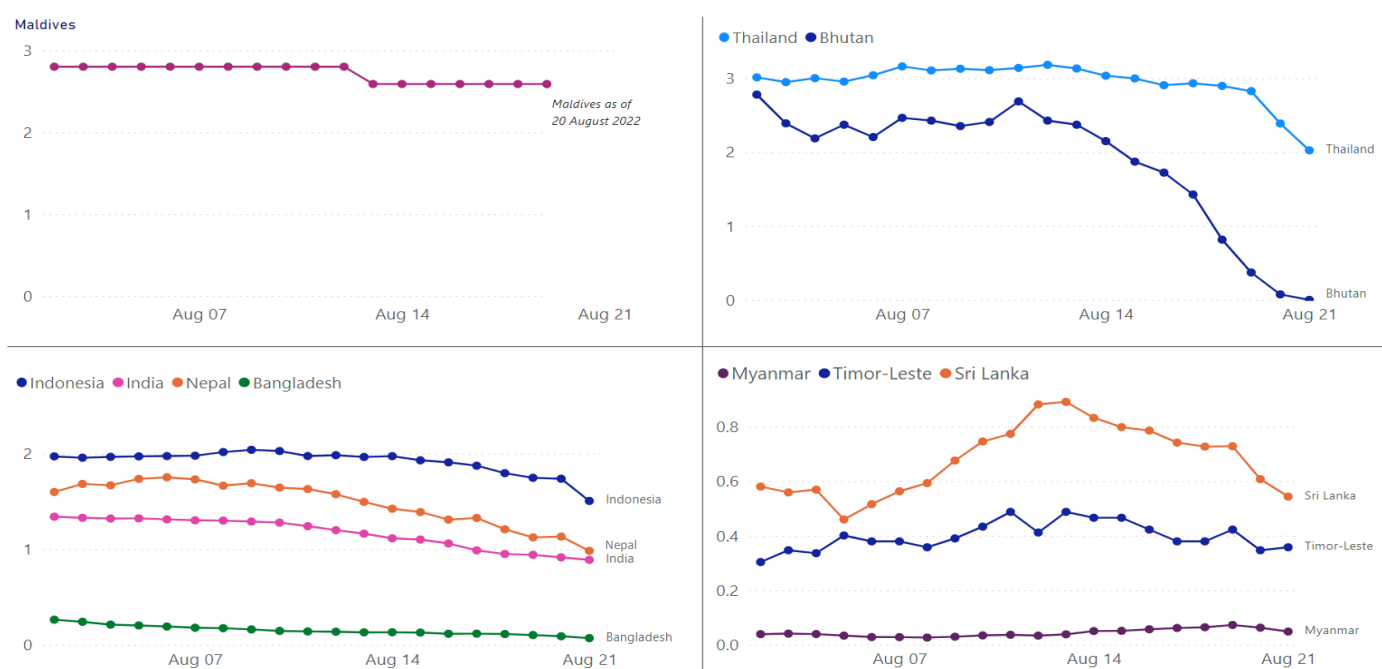
The figures below show the COVID-19 weekly new cases by WHO regions as of 21 August 2022.



Source: World Health Organization as of 21 August 2022

- The number of new weekly cases has decreased by 15.0% compared to the previous week. During this week (15 – 21 August 2022), over 4.9 million cases were reported. The number of new weekly deaths also decreased, with over 12.1 thousand fatalities reported.
- In WHO South-East Asia Region, 137 350 new cases and 686 new deaths were reported during the reporting week. Bhutan (119 new cases) and Maldives (99 new cases) reported an increase in new cases.

The figures below show the 7DMA of COVID-19 cases per 100 000 population in the recent 3 weeks.

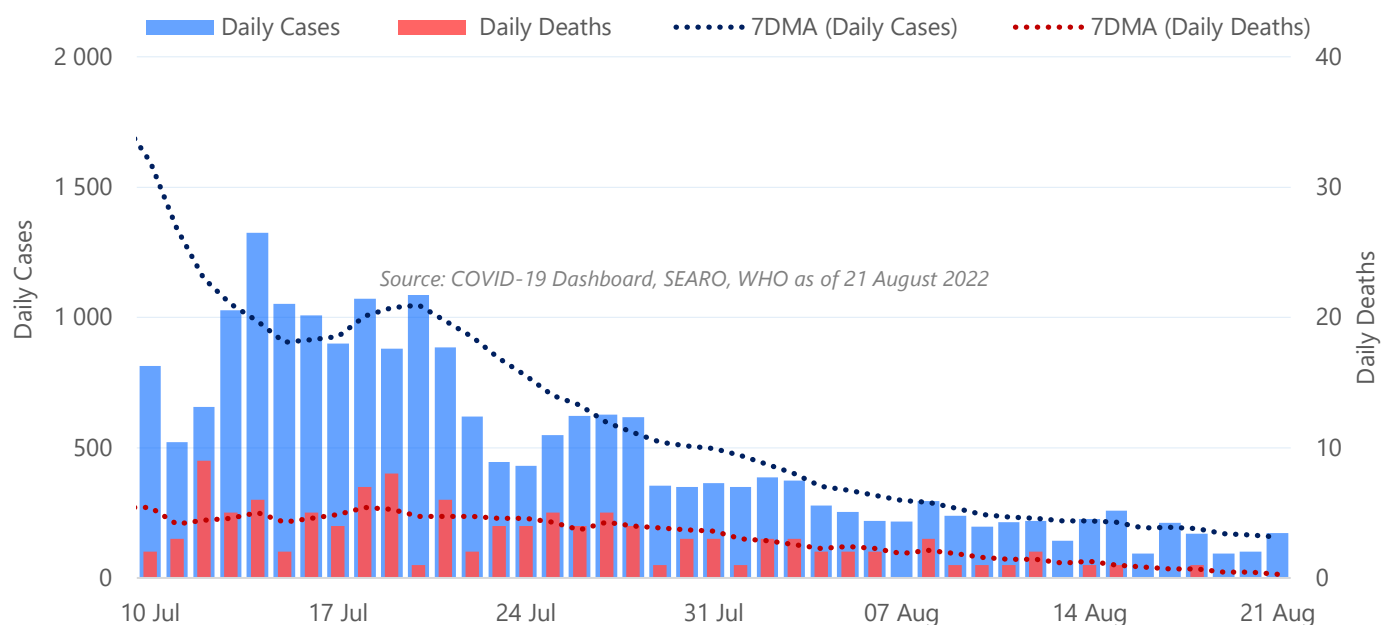


Bangladesh Situation:

1. Surveillance & Laboratory

- Between 8 March 2020 and 21 August 2022, **2 009 970** COVID-19 cases were confirmed by RT-PCR, GeneXpert, and Rapid Antigen tests, including **29 315** related deaths (**CFR 1.46%**).
- In the past week (epidemiological week 33, 2022), Bangladesh reported **1 100** new cases, while 1 535 cases were reported in the week before; the case rate per 100 000 population per week is **0.6**. The country reported **two** new deaths in the reporting week.

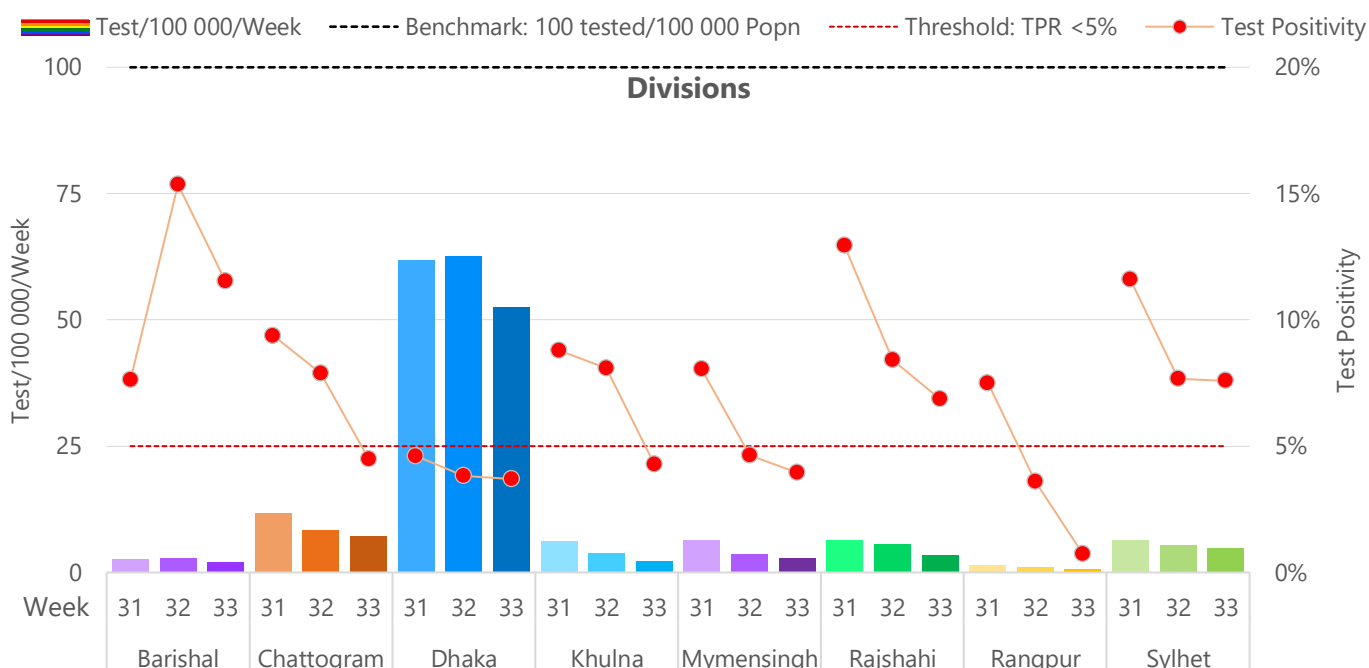
The graph below shows the daily Cases and Deaths of COVID-19 as of 10 JUL - 21 AUG 2022.



Source: COVID-19 Press Release, DGHS, MoHFW as of 21 August 2022

- The weekly new test is **27 567** (daily average: **3 938**), a **17.2% decrease** compared to the previous week; the test rate per 100 000 per week is **16.2**; the weekly average test positivity rate (TPR) decreased to **4.0%**, from 4.6% in the previous week. The overall Case Fatality Ratio (CFR) is still at **1.46%**.

The graph below shows the Test Positivity Rate (TPR) and Test per 100 000/week by division in the last 3 weeks.



Source: COVID-19 Press Release, DGHS, MoHFW as of 21 August 2022

The following tables show the Epidemiological indicators for the COVID-19 situation in the country by division.

Division	New Tests (last 7 Days)	New Tests (last 8-14 Days)	Test/100K/ Week	% change in new tests	% of new tests	Test Positivity	% change in test positivity	Test/Case
Barishal	208	280	2.1	-26%	0.8%	11.5%	-25%	8.7
Chattogram	2 450	2 790	7.3	-12%	8.9%	4.5%	-43%	22.3
Dhaka	22 651	26 976	52.6	-16%	82.2%	3.7%	-4%	27.1
Khulna	421	717	2.3	-41%	1.5%	4.3%	-47%	23.4
Mymensingh	379	475	2.9	-20%	1.4%	4.0%	-15%	25.3
Rajshahi	756	1 237	3.5	-39%	2.7%	6.9%	-18%	14.5
Rangpur	135	194	0.7	-30%	0.5%	0.7%	-79%	135.0
Sylhet	567	626	4.8	-9%	2.1%	7.6%	-1%	13.2
National	27 567	33 295	16.2	-17%	100.0%	4.0%	-13%	25.1

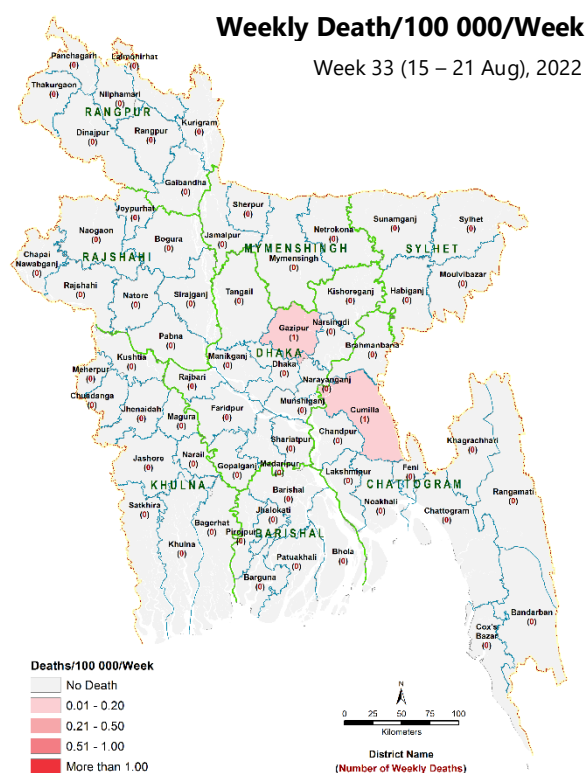
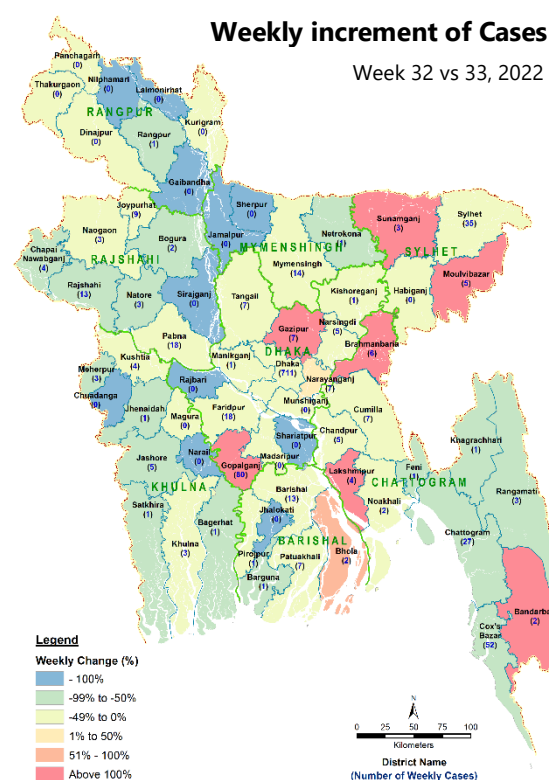
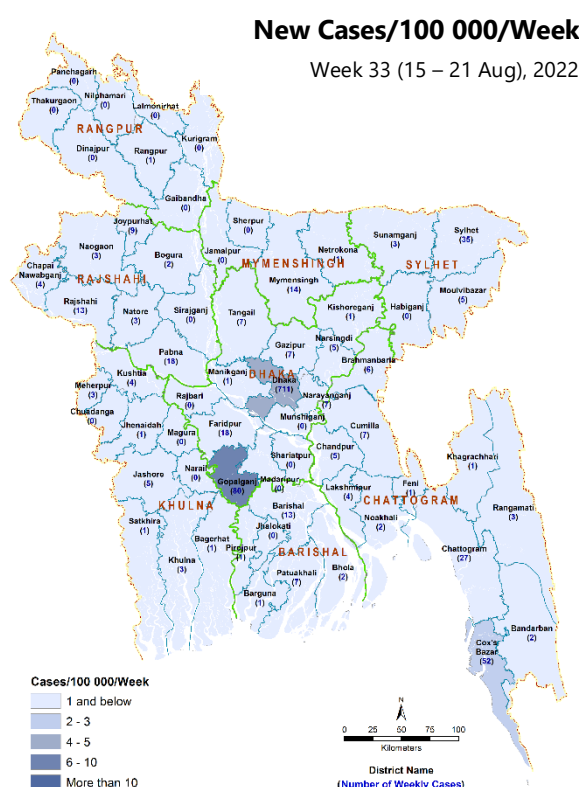
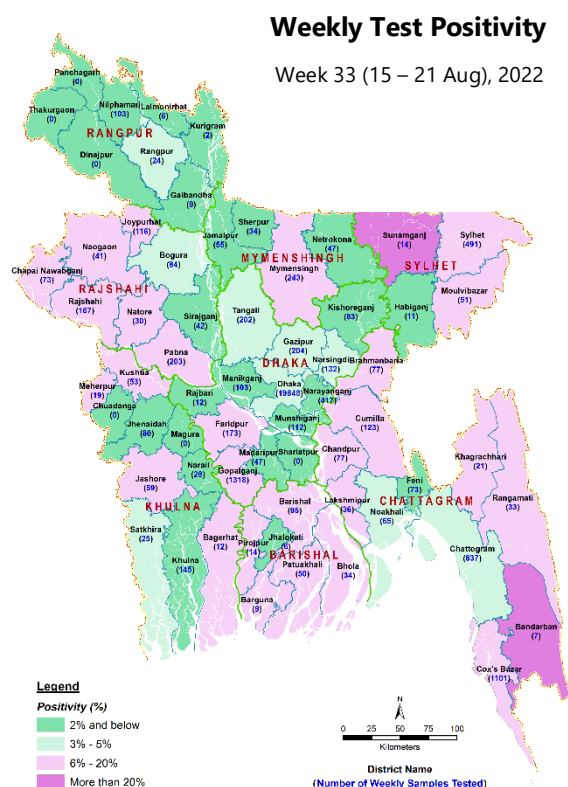
Division	New Cases (last 7 days)	New Cases (last 8-14 days)	Case/100K/ Week	% change in new cases	% of new cases	Cumulative Cases	% of total cases	Rt
Barishal	24	43	0.2	-44%	2.2%	53 857	2.7%	0.75
Chattogram	110	220	0.3	-50%	10.0%	296 477	14.8%	0.66
Dhaka	837	1 033	1.9	-19%	76.1%	1 232 034	61.3%	0.85
Khulna	18	58	0.1	-69%	1.6%	130 514	6.5%	0.49
Mymensingh	15	22	0.1	-32%	1.4%	44 605	2.2%	0.82
Rajshahi	52	104	0.2	-50%	4.7%	120 515	6.0%	0.65
Rangpur	1	7	0.0	-86%	0.1%	64 808	3.2%	0.42
Sylhet	43	48	0.4	-10%	3.9%	67 160	3.3%	0.91
National	1 100	1 535	0.6	-28%	100.0%	2 009 970	100%	0.80

Division	New Deaths (last 7 Days)	New Deaths (last 8-14 Days)	Death/100K/ Week	% change in new deaths	% of new deaths	Cumulative Deaths	% of total deaths	Cumulative CFR
Barishal	0	0	0.00	0%	0.0%	987	3.4%	1.83%
Chattogram	1	2	0.00	-50%	50.0%	5 891	20.1%	1.99%
Dhaka	1	2	0.00	-50%	50.0%	12 896	44.0%	1.05%
Khulna	0	0	0.00	0%	0.0%	3 731	12.7%	2.86%
Mymensingh	0	0	0.00	0%	0.0%	894	3.0%	2.00%
Rajshahi	0	3	0.00	-100%	0.0%	2 154	7.3%	1.79%
Rangpur	0	0	0.00	0%	0.0%	1 423	4.9%	2.20%
Sylhet	0	2	0.00	-100%	0.0%	1 339	4.6%	1.99%
National	2	9	0.00	-78%	100.0%	29 315	100%	1.46%

Source: HEOC & Control Room, MIS, DGHS, MoHFW as of 21 August 2022

- As of 21 August 2022, according to the DGHS Press Release, **14 704 807** COVID-19 tests (RT-PCR **88.6%**, GeneXpert **0.9%**, and Rapid Antigen **10.5%**) were conducted in Bangladesh with an overall positivity rate of 13.67% and **3.76%** in the last 24 hours.
- Currently, **880** government or private laboratories/test centres in the country are distributed as RT-PCR **56/161**, GeneXpert **54/57**, and Rapid Antigen **545/662**, respectively. Sixty-six per cent of all tests since the outbreak have been done in government facilities.

The maps below show the distribution of COVID-19 TPR, Cases, Case increment, and Deaths as of week 33, 2022.



Source: COVID-19 Press Release, DGHS, MoHFW as of 21 Aug 2022

2. Case Management and Infection Prevention & Control

- As of 21 August 2022, **12 984** general beds are dedicated to COVID-19 treatment countrywide, with 1.1% (**148/12 984**) occupied. The Sylhet division experienced the overall highest, 3.0% (**13/436**) general bed occupancy. Occupied general beds in the country **decreased** from 152 last week to **148** this week.
- There are **1 200** dedicated ICU beds in the country. The majority of which are in Dhaka city (60.9%) and Chattogram (5.4%), with an overall countrywide occupancy of 3.3% (**39/1 200**). The Sylhet division experienced the overall highest, 13.6% (**3/22**) ICU bed occupancy. Occupied ICU beds **decreased** from 43 last week to **39** this week.

The chart below shows the status of bed occupancy in COVID-19 dedicated facilities during the last 4-weeks.

	National				Dhaka City				Chattogram City			
	21-Aug	14-Aug	7-Aug	31-Jul	21-Aug	14-Aug	7-Aug	31-Jul	21-Aug	14-Aug	7-Aug	31-Jul
General beds	12 984	13 010	13 021	13 025	4 474	4 500	4 511	4 511	917	917	917	917
Vacant	12 836	12 858	12 814	12 710	4 399	4 429	4 417	4 357	906	902	899	897
Gen. bed Occupancy	1.1%	1.2%	1.6%	2.4%	1.7%	1.6%	2.1%	3.4%	1.2%	1.6%	2.0%	2.2%
ICU beds	1 200	1 203	1 208	1 196	735	738	743	743	64	64	64	64
Vacant	1 161	1 160	1 135	1 128	715	725	718	712	64	64	64	63
ICU bed Occupancy	3.3%	3.6%	6.0%	5.7%	2.7%	1.8%	3.4%	4.2%	0.0%	0.0%	0.0%	1.6%

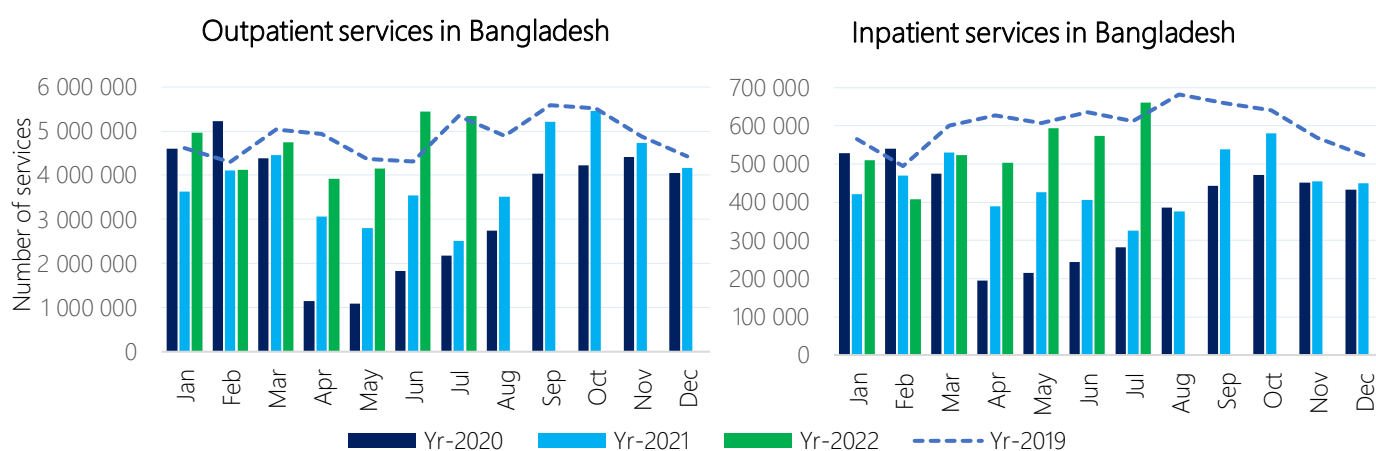
Source: HEOC & Control Room, MIS, DGHS, MoHFW as of 21 Aug 2022

- During the past week, one male and one female were reported dead from two districts (Gazipur and Cumilla) in the country.
- Among the deaths, one was not vaccinated and both reported comorbidities with Diabetes and High blood pressure.

3. Essential Health Services

- Utilization of public health facilities in Bangladesh increased by 112.2% in July 2022 for outpatient services compared to the same month the previous year (i.e., July 2021). More than 5.3 million outpatient (OP) services were offered during July 2022 at public health facilities, which is 2.4 times higher compared to July 2020 (the first year of COVID-19).

The chart below shows the status of bed occupancy in COVID-19 dedicated facilities during the last 4-weeks.



Source: DHIS2, MIS, DGHS; access date 21 August 2022

- An increasing trend is also observed in inpatient services during July 2022. Public health facilities in Bangladesh provided more than 661 000 Inpatient Services (IP), which is 15% higher than the previous month and 103% higher compared to the corresponding month of the previous year (i.e., July 2021).
- Inpatient services at public health facilities for non-COVID-19 patients are 2.3 times higher than in July 2020. It is also observed that IP services surpass the baseline of 2019 during July 2022.

4. Research

- Hands-on training on data collection has been conducted for the COVID-19 Vaccine Effectiveness Study. Thirteen teams comprising of research physicians, research assistants, and laboratory technologists participated in the training. Experts from the Directorate General of Health Services and WHO conducted the training. Data collection has been launched in 12 hospitals in all eight divisions of Bangladesh after deploying the trained field staff. Fieldwork for the study is expected to be completed by December 2022. The study is being implemented by the Research Wing of the Directorate General of Health Services with technical and financial support from WHO.

5. Vaccination

- As of 21 August 2022, **129 853 247** individuals received their first dose, **121 044 894** completed their two-dose schedule, and **42 652 423** received the COVID-19 booster dose.
- More than **76.2%** of the total population received the first dose, and **71.1%** completed two doses schedule (as per the estimated population of 170 317 077, by Bangladesh Bureau of Statistics, 28 December 2021).
- The male and female ratio was 50.0% and **50.0%** among the people who received the first dose and 49.7% and **50.3%**, respectively, for the second dose.
- The COVID-19 vaccination for 5 to 11-year-old children will begin in all city corporations on 25 August 2022.

Full dose Vaccination	# of Districts	
	Week 32	Week 33
>70%	20	20
61% - 70%	41	41
51% - 60%	3	3
<=50%	0	0

The table below shows the vaccination status in the country by division as of 21 August 2022

Division	First dose		Second dose		Booster dose	
Barishal	6 970 428	70.8%	6 149 243	62.5%	2 126 927	21.6%
Chattogram	25 060 953	74.6%	23 757 855	70.7%	7 169 839	21.3%
Dhaka	36 936 733	85.7%	33 366 755	77.4%	12 896 743	29.9%
Khulna	13 793 768	74.4%	12 956 602	69.9%	5 546 518	29.9%
Mymensingh	9 244 627	71.1%	8 592 133	66.1%	2 800 669	21.6%
Rajshahi	15 871 908	72.6%	15 316 804	70.1%	5 214 817	23.9%
Rangpur	13 575 005	72.7%	13 005 168	69.7%	4 345 822	23.3%
Sylhet	8 399 825	71.7%	7 900 334	67.5%	2 551 088	21.8%
Total	129 853 247	76.2%	121 044 894	71.1%	42 652 423	25.0%

Source: HEOC & Control Room, MIS, DGHS, MoHFW as of 21 Aug 2022

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://ln2.sync.com/dl/f33b85a60/99r3nuhb-zebna3tg-kun4acy3-mvyxqv56>
- WHO update on Coronavirus disease (COVID-19) pandemic:
<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>
- COVID-19 Situation in the WHO South-East Asia Region:
<https://experience.arcgis.com/experience/56d2642cb379485ebf78371e744b8c6a>
- 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-general-information>