








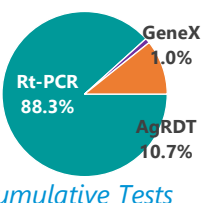
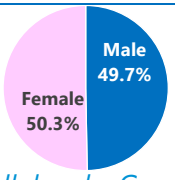




Photo Credit: Social Media, Bangladesh

Highlights:

- The World Health Organization said on 19 October 2022, that COVID-19 remains a global emergency, nearly three years after it was first declared as one on 30 January 2020. The determination will continue to help accelerate research, funding, and international public health measures to contain the disease.
- The number of reported cases and deaths globally and in Bangladesh are declining. However, caution is still needed in view of the emergence of new sub-variants such as the XBB sub-lineage of the Omicron variant said to be immune evasive.
- The country continues to call for vigilance and pushing to get the most vulnerable population vaccinated including paediatrics and booster doses to those eligible.

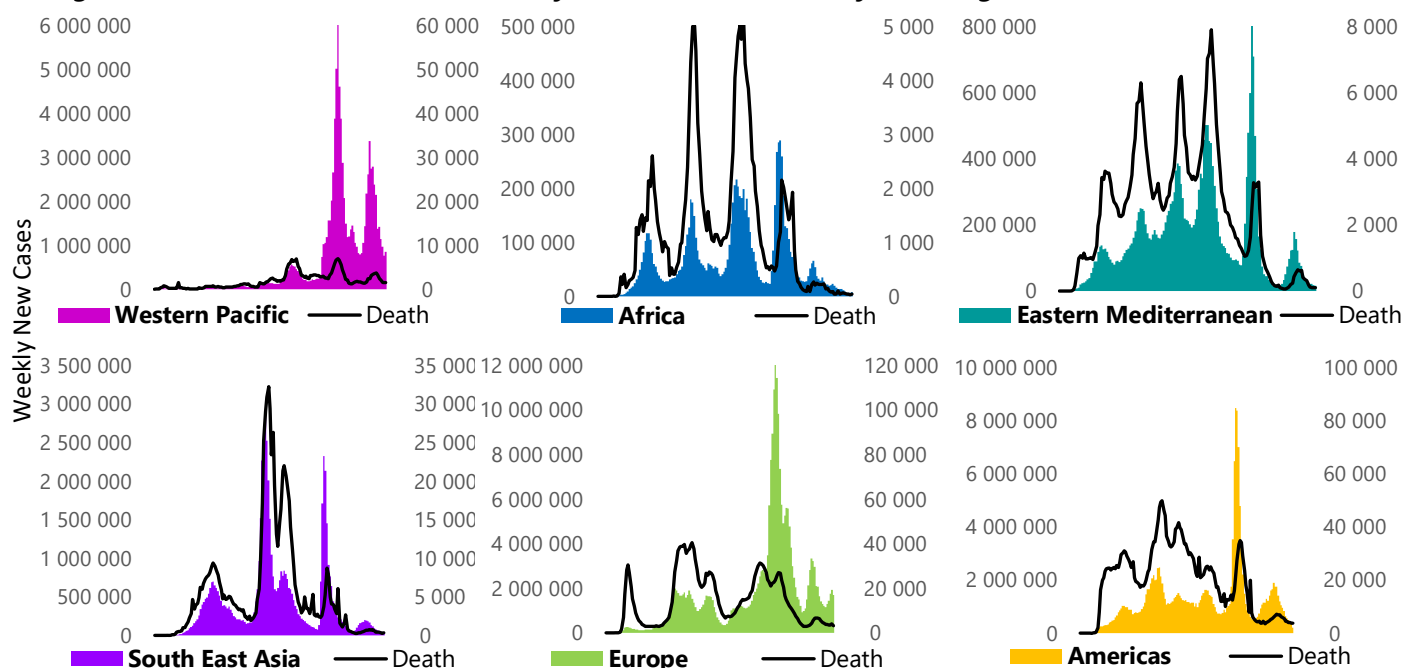
Tested	Confirmed Cases	Recovered	Death	Hotline
 14 974 242	 2 034 141	 1 977 916	 29 413	 35.3 million
Test/100 000/Week	Case/100 000/Week	Recovery Rate	CFR%	AR/100 000
16.0	1.0	97.2%	1.45	1 194
Testing Lab/Centres, Number of weekly Tests in 882 facilities			PoE Screening	
RT PCR Lab : 161 GeneXpert Lab : 57 Rapid Antigen : 664 Last week daily Test average: 3 881			 3 922 565  173 962  7 029  1 298 389	
<p>Cumulative Tests</p> 			<p>Vaccination</p> <p>Vaccinated - 1st dose : 135 992 765 Vaccinated - 2nd dose : 123 996 789 Vaccinated - Booster dose : 57 622 518 Coverage - 1st dose, Full dose : 79.8%, 72.8%</p> <p>Full dose by Gender</p> 	

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 23 October 2022, **624 188 876** confirmed cases of COVID-19, including **6 555 053** deaths reported to WHO through national authorities.
- Most of the cases have been reported from the USA, with **95 726 462** cases and **1 054 617** deaths, followed by India with **44 642 742** cases and the third-highest death count of **528 961**. France reported the third-highest case of **35 481 485** and Brazil the second-highest death of **687 483**.

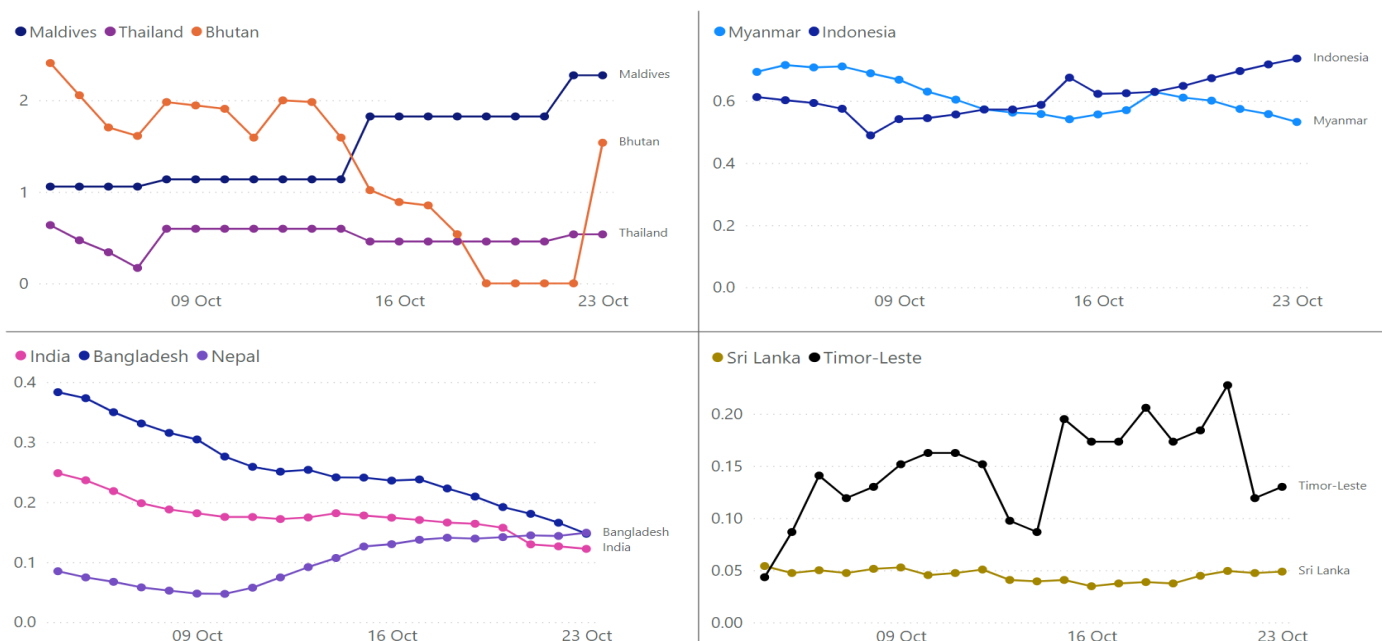
The figures below show the COVID-19 weekly new cases and death by WHO regions as of 23 October 2022.



Source: World Health Organization as of 23 October 2022

- The number of new weekly cases has decreased by 30.8% compared to the previous week. During this week (17 – 23 October 2022), over 2.1 million cases were reported. The number of deaths also decreased, with over 5.9 thousand fatalities reported.
- In WHO South-East Asia Region, 34 905 new cases and 245 new deaths were reported during the reporting week. Indonesia (14 093 new cases), Thailand (2 616 new cases), Nepal (304 new cases), Sri Lanka (73 new cases), Maldives (86 new cases), and Bhutan (83 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 three weeks.



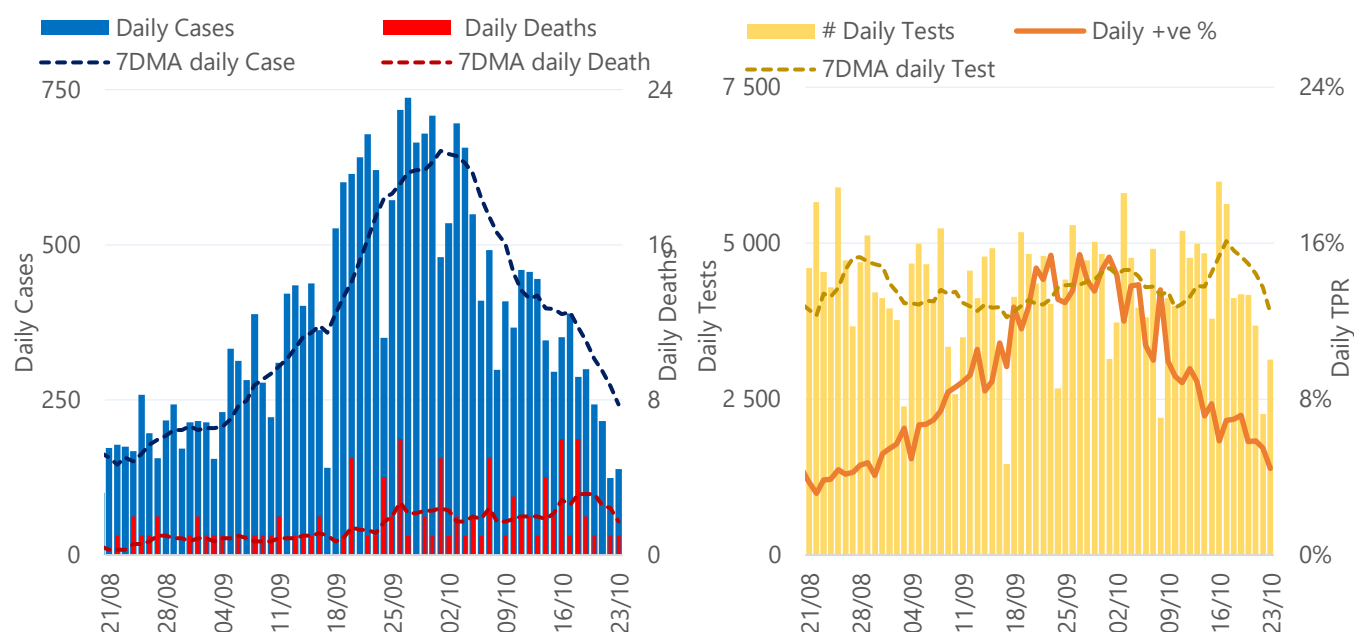
Source: COVID-19 Dashboard, SEARO, WHO as of 23 October 2022

Bangladesh Situation:

1. Surveillance & Laboratory

- Between 8 March 2020 and 23 October 2022, **2 034 141** COVID-19 cases were confirmed by RT-PCR, GeneXpert, and Rapid Antigen tests, including **29 413** related deaths (**CFR 1.45%**).
- In the past week (epidemiological week 42, 2022), Bangladesh reported **1 698** new cases, while 2 720 cases were reported in the week before; the case rate per 100 000 population per week is **1.0**. The country reported **12** new deaths in the reporting week.

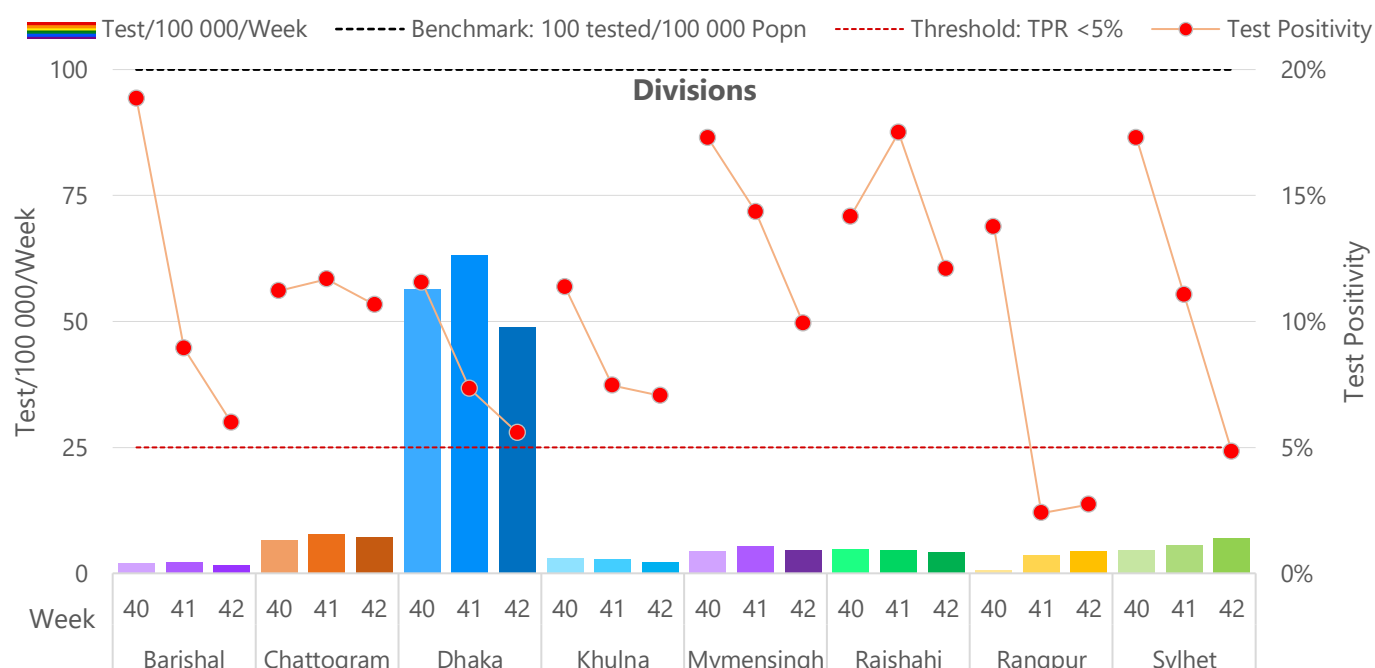
The graphs below show the daily Cases, Deaths, Tests and TPR of COVID-19, Bangladesh, 11 SEP – 23 OCT 2022.



Source: COVID-19 Press Release, DGHS, MoHFW as of 23 October 2022

- The weekly new test is **27 168** (daily average: **3 881**), a **19.0% decrease** compared to the previous week; the test rate per 100 000 per week is **16.0**; the weekly average test positivity rate (TPR) decreased to **6.3%**, from 8.1% in the previous week. The overall Case Fatality Ratio (CFR) is stable at **1.45%**.

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 23 October 2022

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

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	167	224	1.7	-25.4%	0.6%	6.0%	-33%	16.7
Chattogram	2 404	2 614	7.2	-8.0%	8.8%	10.6%	-9%	9.4
Dhaka	21 089	27 169	48.9	-22.4%	77.6%	5.6%	-24%	17.9
Khulna	397	510	2.1	-22.2%	1.5%	7.1%	-5%	14.2
Mymensingh	594	697	4.6	-14.8%	2.2%	9.9%	-31%	10.1
Rajshahi	903	1 023	4.1	-11.7%	3.3%	12.1%	-31%	8.3
Rangpur	807	670	4.3	20.4%	3.0%	2.7%	14%	36.7
Sylhet	807	652	6.9	23.8%	3.0%	4.8%	-56%	20.7
National	27 168	33 559	16.0	-19.0%	100.0%	6.3%	-23%	16.0

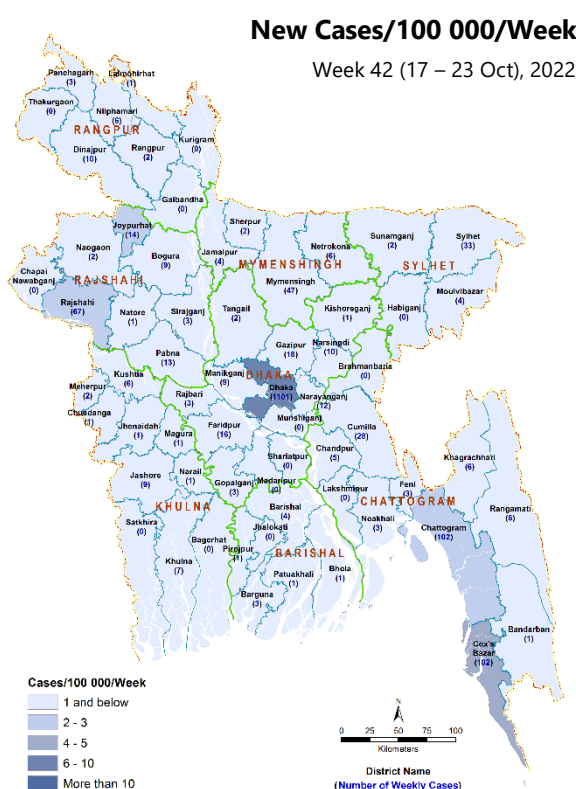
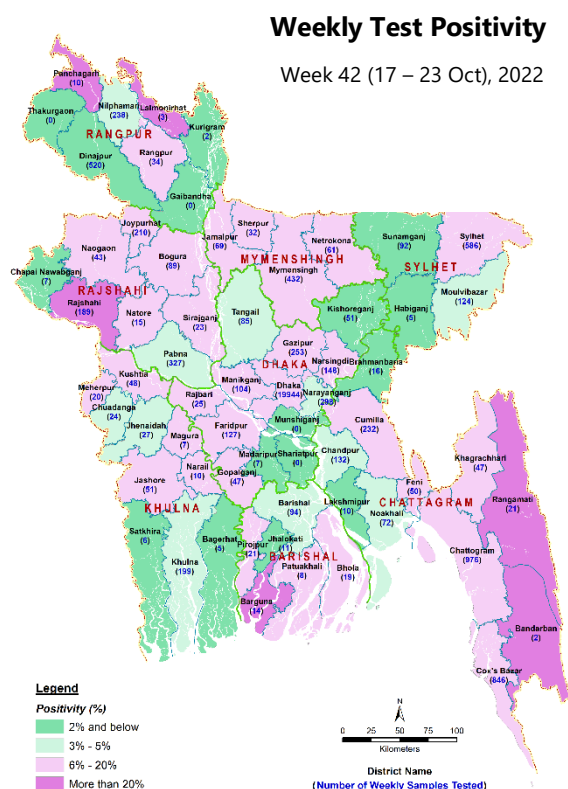
Division	New Cases (last 7 days)	New Cases (last 8-14 days)	Case/100K/ Week	% change in new cases	% of new cases	Cumulative Cases	% of total cases	Rt
Barishal	10	20	0.1	-50%	0.6%	54 188	2.7%	0.53
Chattogram	256	305	0.8	-16%	15.1%	298 004	14.7%	0.81
Dhaka	1 175	1 990	2.7	-41%	69.2%	1 251 482	61.5%	0.64
Khulna	28	38	0.2	-26%	1.6%	130 900	6.4%	0.67
Mymensingh	59	100	0.5	-41%	3.5%	45 235	2.2%	0.73
Rajshahi	109	179	0.5	-39%	6.4%	121 701	6.0%	0.67
Rangpur	22	16	0.1	38%	1.3%	64 971	3.2%	1.16
Sylhet	39	72	0.3	-46%	2.3%	67 660	3.3%	0.46
National	1 698	2 720	1.0	-38%	100.0%	2 034 141	100%	0.67

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	1	0.00	-100%	0.0%	992	3.4%	1.83%
Chattogram	2	4	0.01	-50%	16.7%	5 902	20.1%	1.98%
Dhaka	3	9	0.01	-67%	25.0%	12 939	44.0%	1.03%
Khulna	0	1	0.00	-100%	0.0%	3 735	12.7%	2.85%
Mymensingh	2	2	0.02	0%	16.7%	906	3.1%	2.00%
Rajshahi	2	0	0.01	200%	16.7%	2 158	7.3%	1.77%
Rangpur	0	1	0.00	-100%	0.0%	1 428	4.9%	2.20%
Sylhet	3	2	0.03	50%	25.0%	1 353	4.6%	2.00%
National	12	20	0.01	-40%	100.0%	29 413	100%	1.45%

Source: HEOC & Control Room, MIS, DGHS, MoHFW as of 23 October 2022

- As of 23 October 2022, according to the DGHS Press Release, **14 974 242** COVID-19 tests (RT-PCR **88.3%**, GeneXpert **1.0%**, and Rapid Antigen **10.7%**) were conducted in Bangladesh with an overall positivity rate of 13.58% and **4.44%** in the last 24 hours.
- There are **882** government or private laboratories or test centres in the country engaged in detecting COVID-19. These include **56** government and **105** private RT-PCR labs, **54** government and **3** private GeneXpert, and **545** government and **119** private Rapid Antigen facilities.

The maps below show the distribution of COVID-19 TPR, Cases, Case increment, and Deaths as of week 42, 2022.



Source: COVID-19 Press Release, DGHS, MoHFW as of 23 October 2022

2. Case Management and Infection Prevention & Control

- As of 23 October 2022, **12 860** general beds are dedicated to COVID-19 treatment countrywide, with 1.0% (**131/12 860**) occupied. The Rajshahi division experienced the overall highest, 8.5% (**21/247**) general bed occupancy. Occupied general beds in the country **decreased** from 165 last week to **131** this week.
- There are **1 186** dedicated ICU beds in the country. The majority of these are in Dhaka city (61.3%) and Chattogram (5.4%), with an overall countrywide occupancy of 3.5% (**41/1 186**). The Sylhet division experienced the overall highest, **27.3%** (**6/22**) ICU bed occupancy. Occupied ICU beds **decreased** from 53 last week to **44** 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			
	23-Oct	16-Oct	9-Oct	2-Oct	23-Oct	16-Oct	9-Oct	2-Oct	23-Oct	16-Oct	9-Oct	2-Oct
General beds	12 860	12 860	12 860	12 890	4 440	4 440	4 440	4 470	917	917	917	917
Vacant	12 729	12 695	12 659	12 642	4 371	4 367	4 328	4 308	898	900	895	907
Gen. bed Occupancy	1.0%	1.3%	1.6%	1.9%	1.6%	1.6%	2.5%	3.6%	2.1%	1.9%	2.4%	1.1%
ICU beds	1 186	1 186	1 186	1 186	731	731	731	731	64	64	64	64
Vacant	1 145	1 133	1 129	1 126	708	702	693	693	62	62	64	63
ICU bed Occupancy	3.5%	4.5%	4.8%	5.1%	3.1%	4.0%	5.2%	5.2%	3.1%	3.1%	0.0%	1.6%

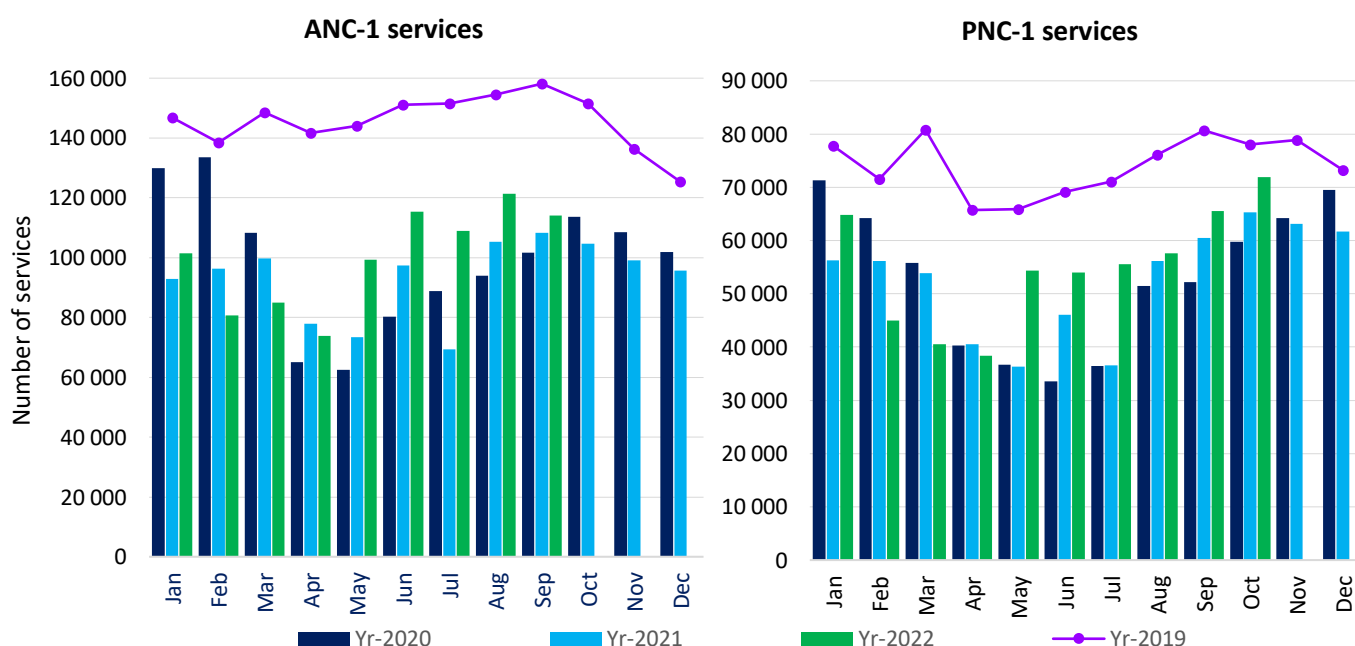
Source: HEOC & Control Room, MIS, DGHS, MoHFW as of 23 October 2022

- During the past week, 12 deaths were reported (Male 66.7% and Female 33.3%) from all over the country. 58.3% of them were not vaccinated.
- Among these deaths, four people (33.3%) reported different comorbidities. Diabetes and High Blood Pressure were reported at 50.0% and 75.0%, respectively. Other significant comorbidities are Kidney disease (50.0%), Stroke, and Heart disease (25.0% each).

3. Essential Health Service

- More than 114 000 ANC-1 services were provided during September 2022 at public health facilities in Bangladesh; the ANC-1 service utilization in September 2022 has decreased by 6% compared to the previous month and increased by 12% and 5% compared to 2020 (the first year of COVID-19) and 2021, respectively.
- Despite an improvement throughout 2020 and 2021, ANC service utilization is still 28% below that of the pre-COVID-19 condition as it was in 2019.

The graphs below show the ANC-1 and PNC-1 health services in public health facilities, Bangladesh



Source: DHIS2, MIS, DGHS; access date 23 October 2022

- Public health facilities provided about 71 000 PNC-1 services in September 2022, which is 10% more than the previous month.
- Gradually the PNC service utilization is reaching the pre-covid-19 situation as it was in 2019.

4. Vaccination

- As of 23 October 2022, **135 992 765** individuals received their first dose, **123 996 789** completed their two-dose schedule, and **57 622 518** received the COVID-19 booster dose.
- More than **79.8%** of the total population received the first dose, and **72.8%** completed the two doses schedule (as per the estimated population of 170 317 077, by Bangladesh Bureau of Statistics, 1 July 2021).
- The male and female ratio was 49.9% and **50.1%** among the people who received the first dose and 49.7% and **50.3%**, respectively, for the second dose.

Full dose Vaccination	# of Districts	
	Week 41	Week 42
>70%	34	34
61% - 70%	30	30
51% - 60%	0	0
<=50%	0	0

The table below shows the vaccination status in the country by division as of 23 October 2022

Division	First dose		Second dose		Booster dose	
Barishal	7 267 249	73.9%	6 465 251	65.7%	2 896 993	29.4%
Chattogram	26 436 163	78.7%	24 356 896	72.5%	10 010 241	29.8%
Dhaka	38 771 023	90.0%	33 976 400	78.8%	16 021 816	37.2%
Khulna	14 349 662	77.4%	13 296 800	71.7%	7 228 565	39.0%
Mymensingh	9 646 891	74.2%	8 840 532	68.0%	3 720 954	28.6%
Rajshahi	16 565 565	75.8%	15 614 768	71.4%	8 255 977	37.8%
Rangpur	14 148 561	75.8%	13 271 496	71.1%	5 894 725	31.6%
Sylhet	8 807 651	75.2%	8 174 646	69.8%	3 593 247	30.7%
Total	135 992 765	79.8%	123 996 789	72.8%	57 622 518	33.8%

Source: HEOC & Control Room, MIS, DGHS, MoHFW as of 23 October 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-mvxyxqv56>
- 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>