

Summary:

- Out of 519 functional Surveillance sentinel sites, 495 (95.3%) have submitted reports this week.
- A total of 488,608 new consultations, 198,276 (40.6) were due to Surveillance targeted diseases. That included 106,132 males (53.5%) and 92,144 females (46.5%). Also, 93,910 (47.4%) under five years old and 104,366 (52.6%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 126,443 cases (25.9%) out of total new consultations, Acute Diarrheal Diseases 32,548 cases (6.7%) out of total new consultations and Pneumonia, 28,805 cases (5.9 %) out of total new consultations.
- A total of 235 deaths were reported this week, of which 115 deaths (44%) were due to Surveillance targeted diseases deaths, which includes 56 Pneumonia deaths, 29 suspected Measles deaths, 29 COVID-19 deaths, 01 pregnancy-related.
- A total of **2,942** Measles suspected cases with **29** deaths were reported in this week.
- During this week, 19 AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- In addition, during this week 25 outbreaks (23 suspected **Measles outbreaks** were reported from Balkh, Samangan, Herat, Nuristan, Kapisa, Wardak, Helmand, Zabul, Khost, Ghazni, Baghlan, Kunduz, Takhar and Jawzjan provinces, 01 **Suspected Rabies / Dog bites** and 01 **Scabies Outbreak** outbreaks waere reported from Parwan province.
- Moreover, **1,187** COVID-19 confirmed cases reported at national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2022

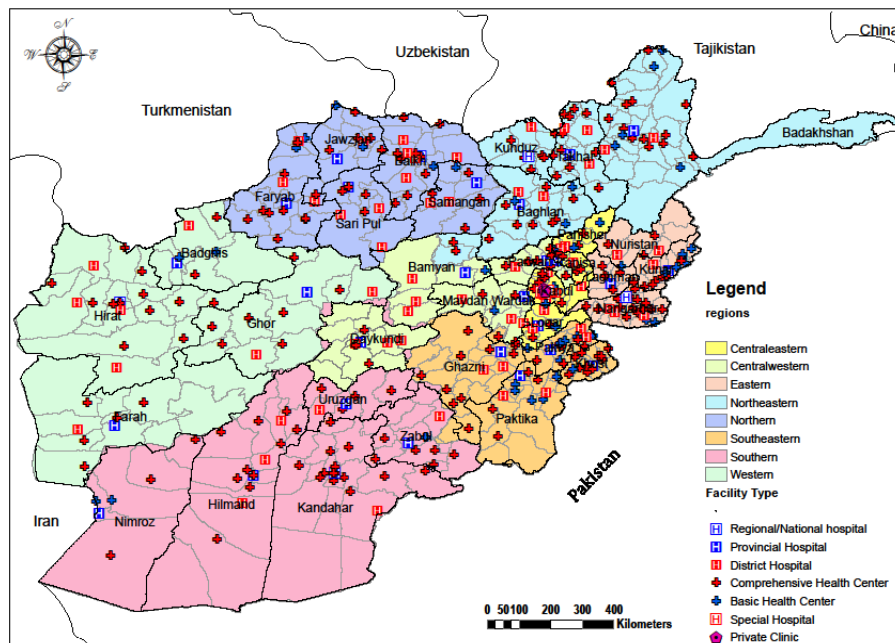


Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ Special Hospital	SHC	Other	Total
Total Health Facilities (HF)	8	27	91	437	900	36	1,106	2,093	4,698
HF covered by NDSR-Plus	6	25	80	310	80	13	1	4	519

Indicator - based Surveillance (IBS):

The indicator-based surveillance component of NDSR report 17 priority conditions/infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and the corresponding weeks of previous years and the alert and epidemic threshold is checked to see if disease incidence has crossed these levels and necessary action is initiated.

Figure 2: A

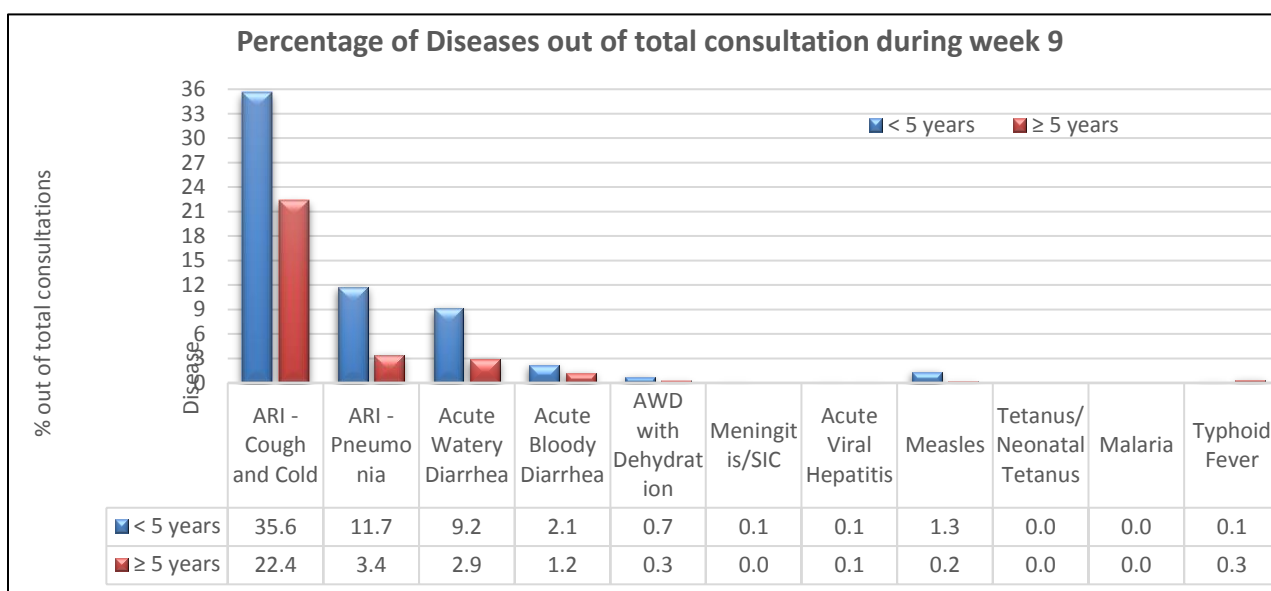


Figure 2: B

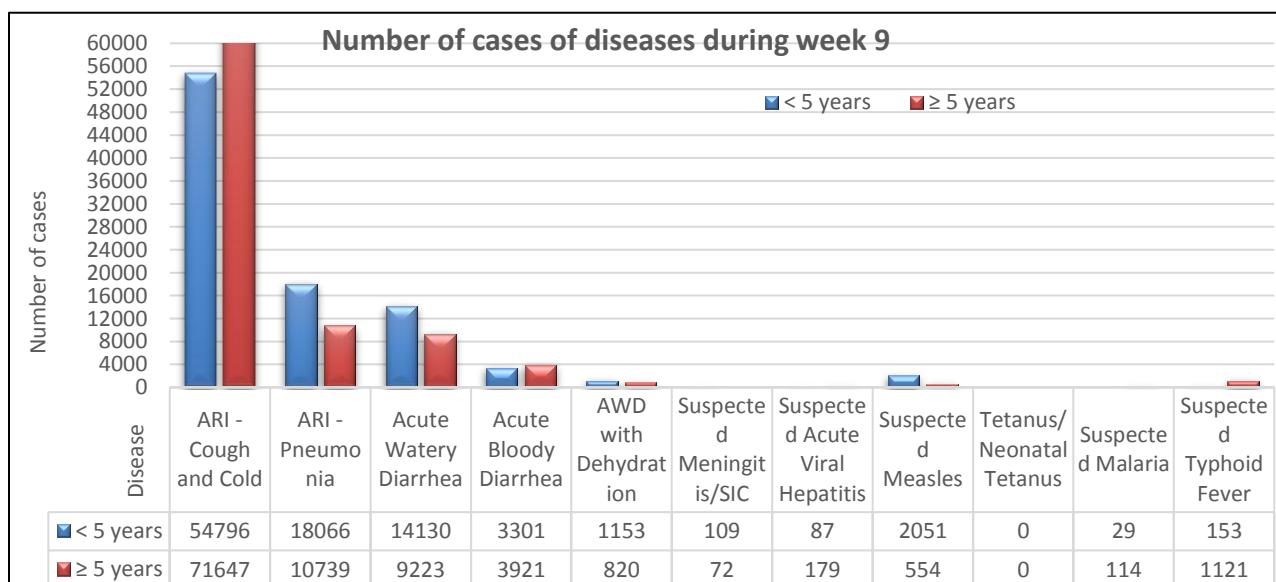


Table 2: Cases and deaths due to VPDs by age group during week 09th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	2051	554	2605	18	0	18	0.69

Seasonal Diseases:

Figure 3: A

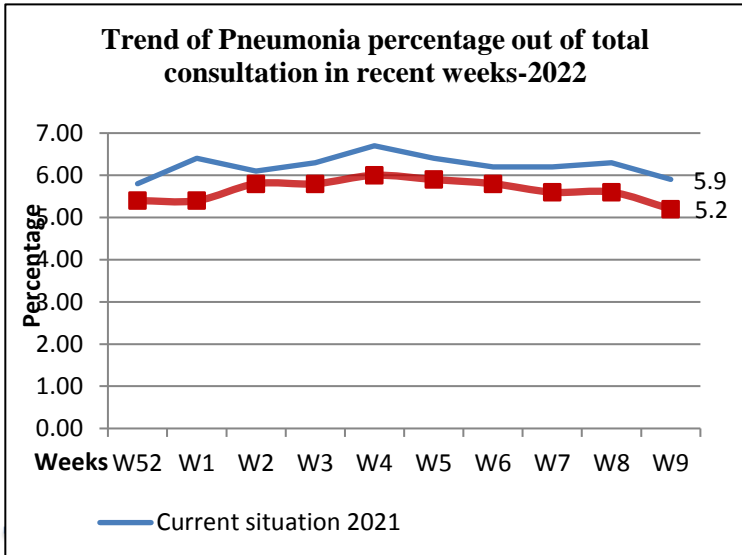


Figure 3: B

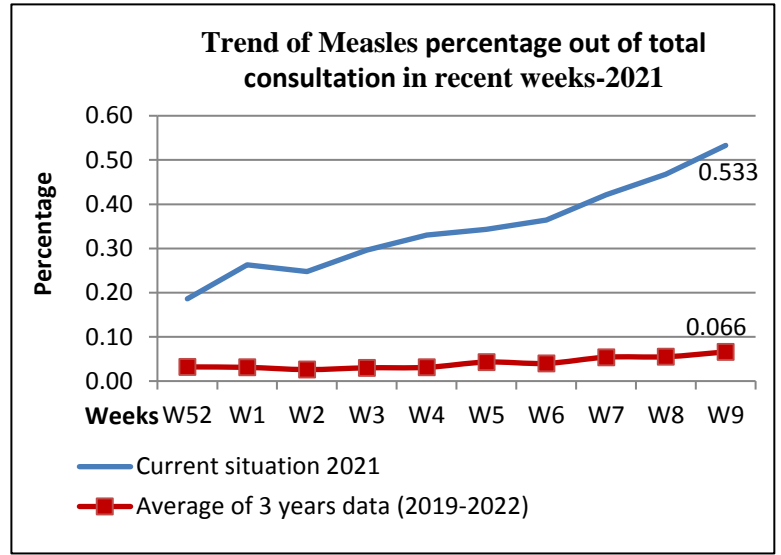


Figure 3: C

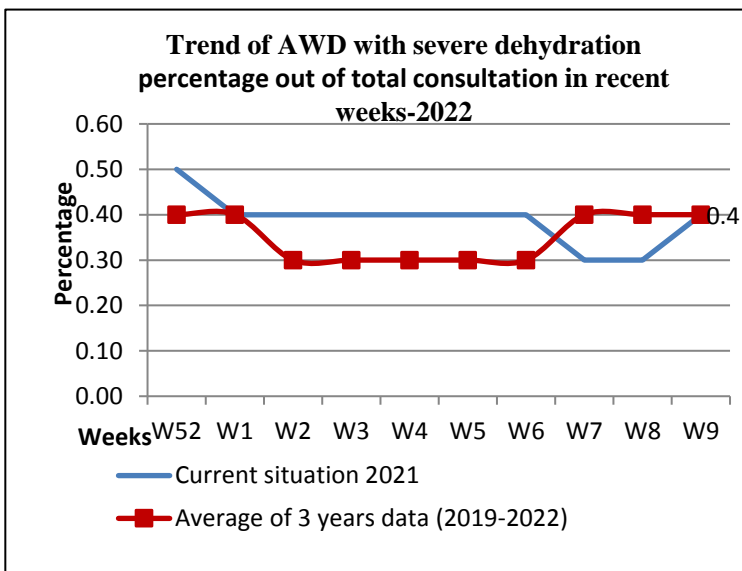


Figure 3: D

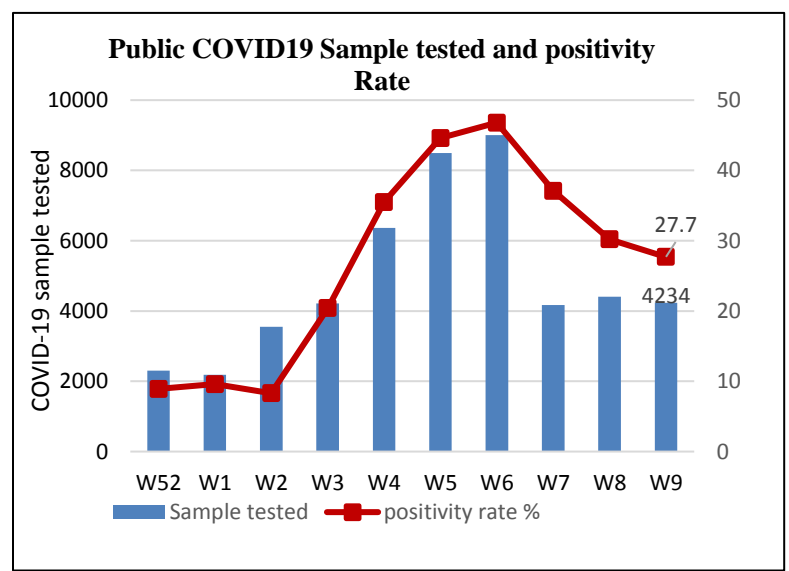


Table 3: Part of Outbreaks:

Acute Watery Diarrhea outbreak (Kabul province)								
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken
27/02/2022	Kabul	Kabul districts	Kabul	0	19	19	0	In this week, 19 AWD new cases epi-linked with Kabul province AWD outbreak reported, Active/daily surveillance and the case investigation is going on, case management was done for all the cases. Lab Sample collection was done. In addition, Health education was conducted by the investigation team.

Suspected Measles outbreaks (Balkh, Samangan, Herat, Nuristan, Kapisa, Wardak, Helmand, Zabul, Khost, Ghazni, Baghlan, Kunduz, Takhar and Jawzjan, provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action take
								Reported	Assessed	
28/Feb/22	Balkh	Zari	Elbakhti	6	0	6	0	98	95%	In this week, 23 suspected Measles outbreaks were reported from Balkh, Samangan, Herat, Nuristan, Kapisa, Wardak, Helmand, Zabul, Khost, Ghazni, Baghlan, Kunduz, Takhar and Jawzjan provinces. The outbreaks were investigated, case management was done for all the outbreaks and cases. Also, health education sessions were conducted. Vaccination of children in the surrounding villages of the affected area is going on. Follow up reports will be shared.
28/Feb/22		Mazari Sharif City	Dashti Shor	9	0	9	0	70%	98%	
28/Feb/22	Samangan	Dar-e-sufpayeen	different	27	13	40	1	45%	20%	
28/Feb/2022	Samangan	Dar-e-sufbala	Chartoot	5	3	8	0	100%	90%	
28/02/2022	Herat	Koshk-e-Robat Sangi	Ajrima	29	1	30	5	0%	0%	
28/02/2022		Koshk-e-Robat Sangi	Ajrima	29	1	30	5	0%	0%	
28/02/2022	Nuristan	Norgram	Naqra	4	2	6	0	90%	60%	
28/02/2022	Nuristan	Norgram	Naqra	4	2	6	0	90%	60%	
03/01/2022	Kapisa	Nejrab	Ghocholan	9	1	10	0	0%	0%	
05/03/2022	Wardak	central	Bazikhil	8	13	21	0	22%	43%	
27/02/2022	Helmand	Nahreeraj	Mahajar	7	2	9	0	80%	20%	
28/02/2022		Nahreeraj	Awobazan	6	2	8	0	80%	0%	
27/02/2022	Zabul	Mizan	Eker	6	8	14	0	70%	19%	
27/02/2022		Mizan	Sadar Sang	5	6	11	0	70%	22%	
02/03/2022	Khost	Mandozi	Shadal	3	3	6	0	80%	48%	
04/03/2022	Ghazni	Jaghory	Alawdal	3	12	15	0	80%	50%	
27/02/2022	Baghlan	Nahreen	Hob Khana	12	0	12	0	NA	60%	
27/02/2022	Kunduz	Khan Abad	Chogha and Bandari Bokhari	23	0	23	0	NA	60%	
27/02/2022		Emam sahib	Nasiri and Qerghiz	26	6	32	0	NA	55%	

02/03/2022	Takhar	Chah Ab	Chah Ab city	5	2	7	0	NA	50%	
02/03/1933		Dashti qala	Dashti qala	5	2	7	0	NA	55%	
27/02/2022	Jawzjan	Khanaqa	Qelich abad	11	5	16	0	25%	77%	
01/03/2022		Sheberghan	shorjar afghania and arabia	9	2	11	0	28%	61%	

Suspected Rabies / Dog bites Outbreak (Parwan provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
03/02/2022	Parwan	Shinwari	Baghe Afghan	5	0	During this week, one Suspected Rabies/ Dog bites outbreak was reported from Parwan province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.

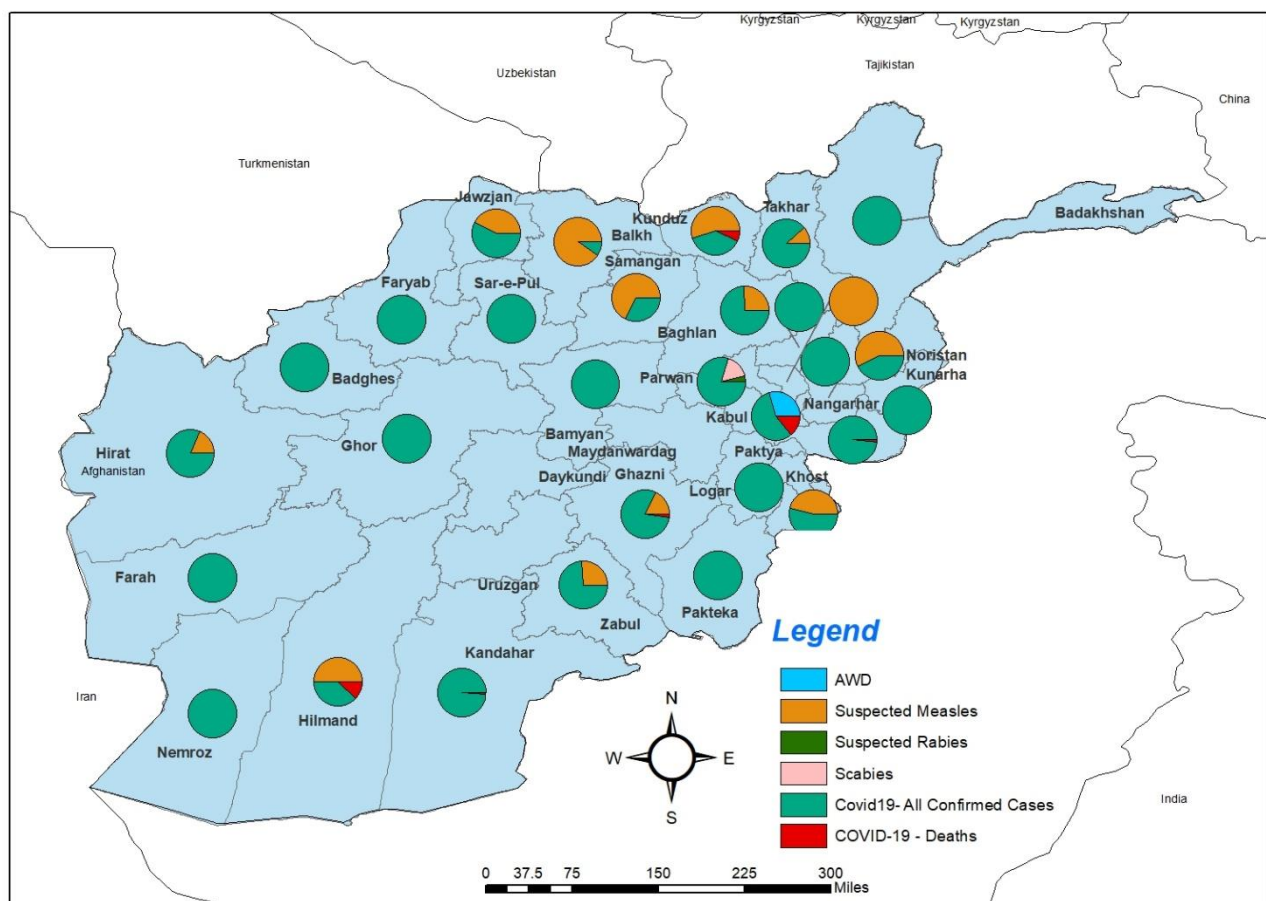
Scabies Outbreak (Parwan province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
28/02/2022	Parwan	Bagram	Niazi	20	0	During this week one Scabies outbreak was reported from Parwan province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.

Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 5, March, 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	109	55	1758	92
Dog bites/Suspected Rabies	6	0	30	0
CCHF	2	0	2	0
Scabies	2	0	30	0
Diphtheria	1	0	1	0
Pertussis	1	0	4	0
Food poisoning	1	0	1	1
COVID-19	1	1	16584	364
Acute Watery Diarrhea	1	1	284	0
Grand Total	124	57	18694	457

Figure 4: Distributions of COVID-19, AWD, Measles, CCHF, Suspected Rabies / Dog bites and Scabies cases and deaths during week 09th



Laboratory surveillance:

A total of 6,998 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 6,673 specimens were confirmed for COVID-19 and 16 samples were confirmed for Measles and 02 samples were confirmed for ILI in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 9th 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, **249 (5.1%)** Severe Acute Respiratory Infections cases were reported and 66 were under 5 years old. The proportion of SARI cases were same as compared to week 08th 2022. Sixteen SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were from Kapisa (40%), Kabul (38%), and Bamyan (21%) provinces. In this epi-week, our field staff shipped 51 SARI and 32 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, 6,673 specimens were tested for suspected COVID-19. Out of which 1,187 samples were confirmed for COVID-19 by rtPCR. The cases have been managed either in the isolation wards or in home quarantine.

- COVID-19 cases were decreased **12.7%** compared to last week, (in majority of the provinces we had testing kits shortage in this week).
- Bed occupancy rate (BOR) at the national level was **49.9%**, which decreased 4.8 % compared to last week.
- Out of **1,430** contacts of **966** confirmed cases that were mostly family members with an average of 01.5 Contacts per one case, and will be continued until 14 days of their last contact with the confirmed cases. Also, surveillance screening teams screened all the passengers in the points of entry for fever. In addition, health education was conducted for them, about **28,376** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

Challenges:

- Suspected Measles cases and outbreaks are in the increasing trend (in this week 2,942 measles cases and 29 deaths were reported).
- Shortage of lab samples collection consumables and testing kits in majority of the provinces have strongly decreased the number tests.
- No lab capacity for confirmation of the new COVID-19 variant (Omicron) in the country.

Recommendations:

- Measles vaccination campaigns to be conducted based on the outbreaks reported and also the routine vaccination coverage need to be improved
- COVID-19 control all functions should be strengthened, in order to response for the current wave of COVID-19 pandemic in Afghanistan
- CPHL should be supported for the confirmation of the new COVID-19 variate (Omicron)
- Urgent supply of lab sample collection and testing kits for COVID-19 is recommended and lab testing capacity needs to be strengthened and expanded to all the provinces.
 - **EPI:** As the system detected **2,942** suspected Measles cases, with **29** deaths due to measles, further prevention and control measures should be conducted by the EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.