

Summary:

- Out of 519 functional Surveillance sentinel sites, 498 (96%) have submitted reports this week.
- A total of 504,399 new consultations, 197,048 (39.1%) were due to Surveillance targeted diseases. That included 10,4405 males (53%) and 92,643 females (47%). Also, 96,739 (49.1%) under five years old and 100,309 (50.9%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 122,436 cases (24.3%) out of total new consultations, Acute Diarrheal Diseases 37,861 cases (7.5%) out of total new consultations and Pneumonia, 27,789 cases (5.5 %) out of total new consultations.
- A total of 219 deaths were reported this week, of which 96 deaths (43.8%) were due to Surveillance targeted diseases deaths, which includes 58 Pneumonia deaths, 22 suspected Measles deaths, 11 COVID-19 deaths, 05 pregnancy-related deaths.
- A total of **3,554** Measles suspected cases with **22** deaths were reported in this week.
- In addition, during this week 23 outbreaks (20 **Measles outbreaks** were reported from Bamyan, Wardak, Parwan, Takhar, Paktya, Nimroz, Zabul, Helmand, Nangarhar and Farah provinces, 01 **Scabies Outbreak** was reported from Parwan province, 01 **Chickenpox Outbreak** was reported from Kabul province and 01 **Clinical Pneumonia outbreak** was reported from Badakhshan province.
- Moreover, **887** COVID-19 confirmed cases reported at national level.

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

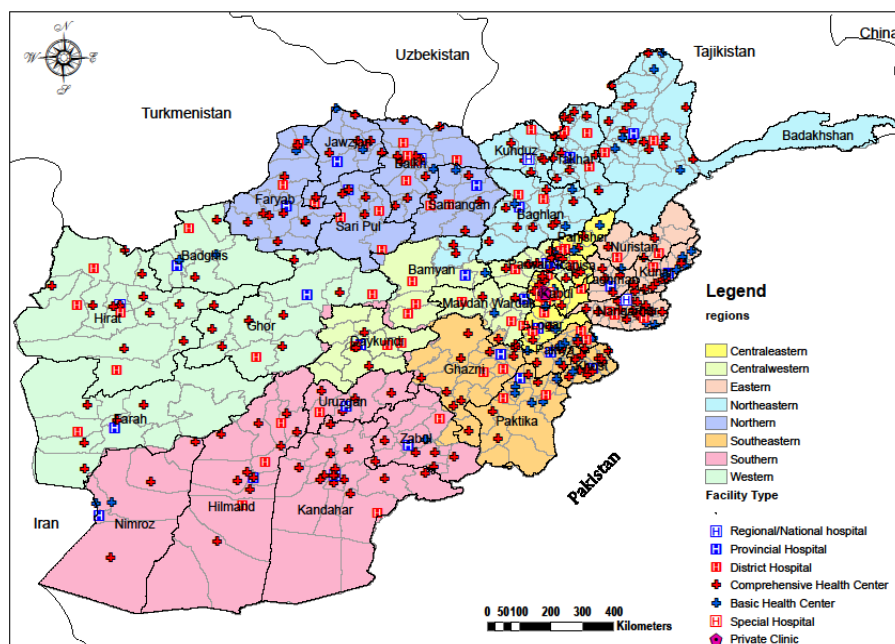


Table 1: Coverage of NDSR Surveillance System

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

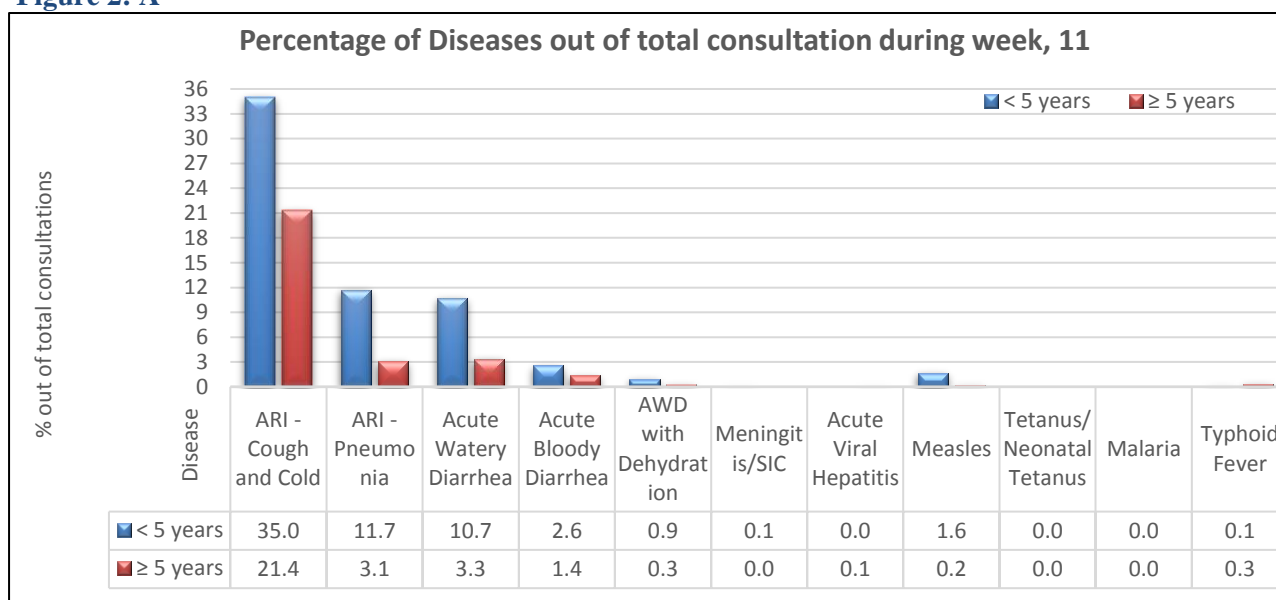


Figure 2: B

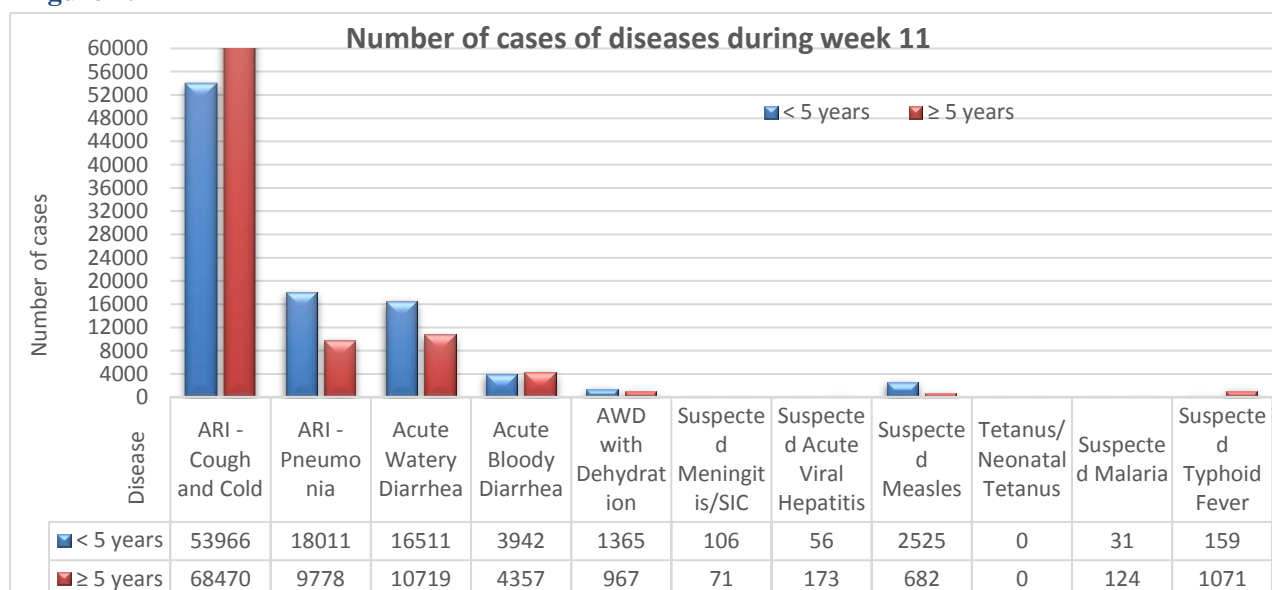


Table 2: Cases and deaths due to VPDs by age group during week 11th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	2525	682	3207	21	0	21	0.65

Seasonal Diseases:

Figure 3: A

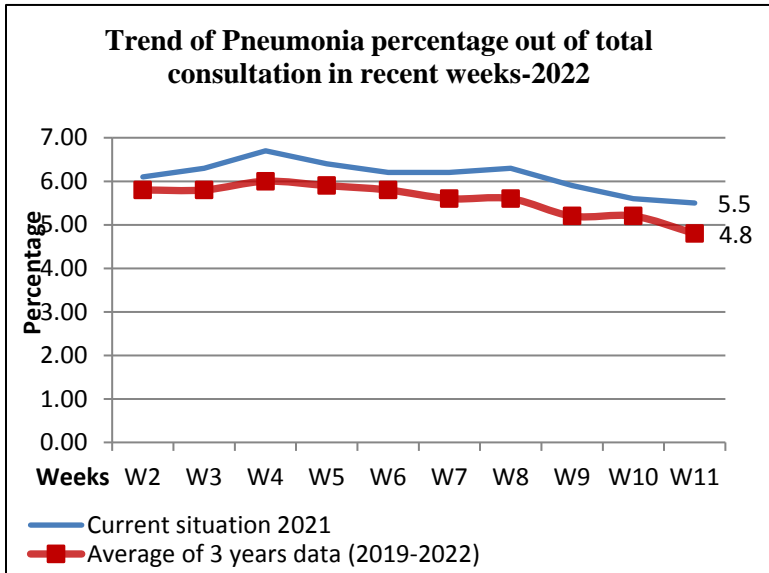


Figure 3: B

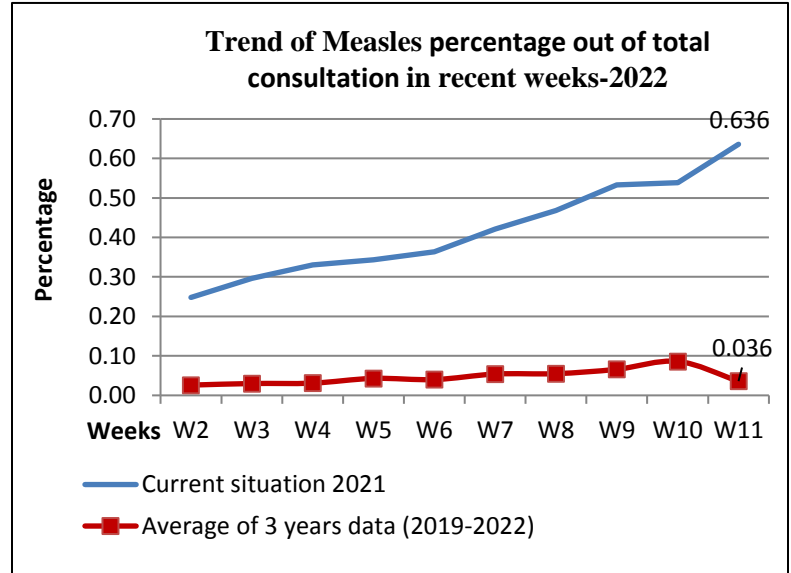


Figure 3: C

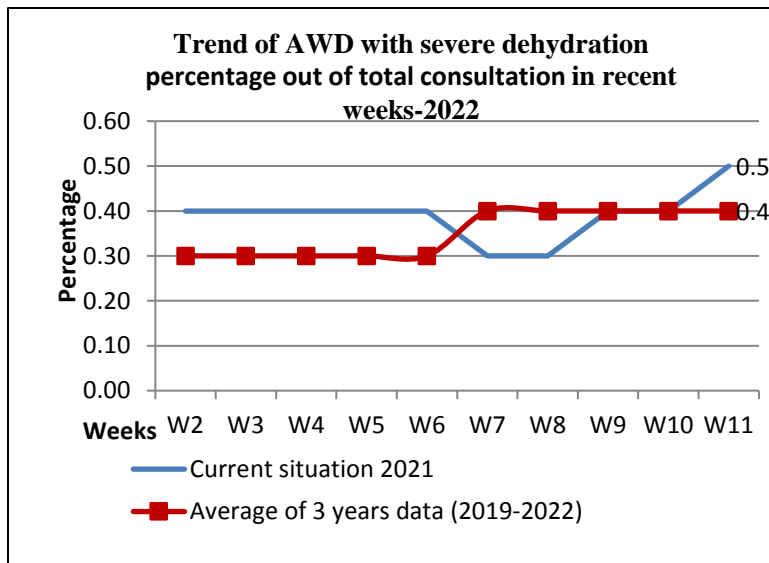


Figure 3: D

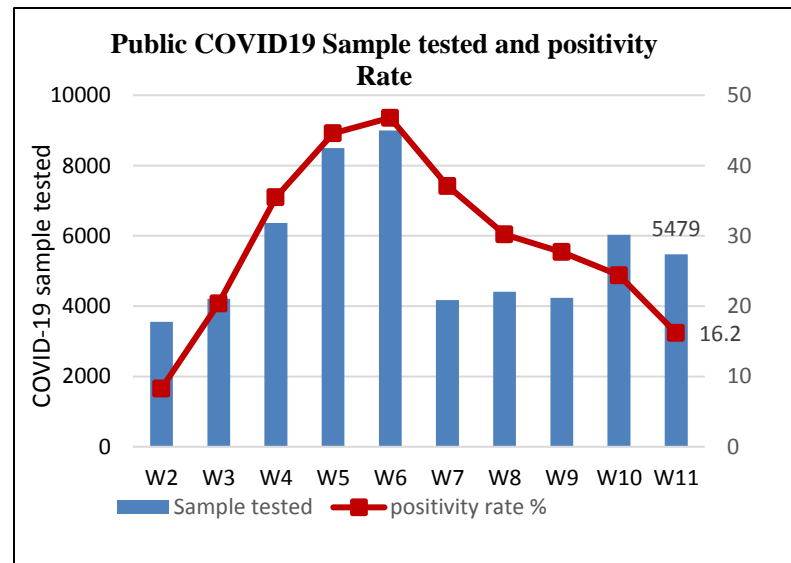


Table 3: Outbreaks in week 11th:

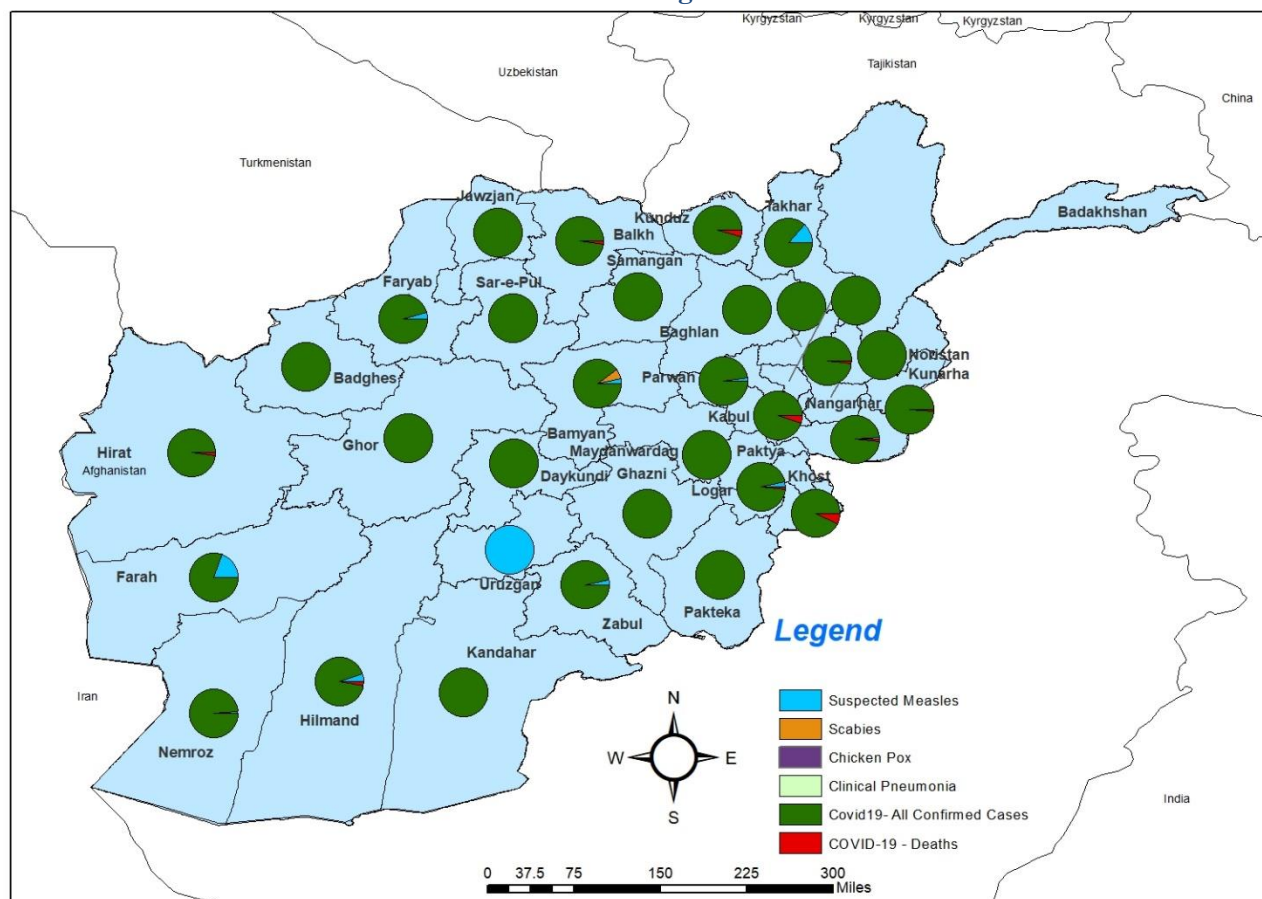
Suspected Measles outbreaks (Bamyán, Wardak, Parwan, Takhar, Paktya, Nimroz, Zabul, Helmand, Nangarhar and Farah provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
16/03/2022	Bamyán	Waras	Naspatan	13	13	26	0	8%	NA	In this week, 20 suspected Measles outbreaks were reported from Bamyán, Wardak, Parwan, Takhar, Paktya, Nimroz, Zabul, Helmand, Nangarhar, and Farah 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.
15/03/2022	Wardak	Central	Chak	6	4	10	0	38%	41%	
19/03/2022		Central	Di Muslim	11	6	17	0	56%	40%	
13/03/2022	Parwan	Charikar	Miana Qala	3	7	10	0	NA	NA	
13/03/2022	Takhar	Rustaq	Rustaq city	43	4	47	0	NA	50%	
16/03/2022		Khawajaghar	Khawajaghar	2	8	10	0	NA	40%	
16/03/2022		Yanqi qala	Yanqi qala	7	1	8	0	NA	45%	
13/03/2011	Paktya	Sayid Karam	Khail	4	5	9	0	80%	45%	
14/03/2022	Nimroz	Delaram	Haji Baran	3	7	10	0	70%	0%	
13/03/2022	Urozgan	Gizab	Khalaj	9	13	22	0	80%	20%	
16/03/2022	Zabul	Shahjoy	Muskin abad	8	3	11	0	80%	19%	
16/03/2022	Helmand	Nahreseraj	Muslim	6	3	9	0	80%	0%	
16/03/2022		Nahreseraj	Qasa	8	1	9	0	80%	0%	
16/03/2022		Nahreseraj	Panjab	5	3	8	0	80%	0%	
13/03/2022		Nahreseraj	New bazar	6	4	10	0	80%	20%	
13/03/2022	Nangarhar	Lalpoor	Sory Teag - Fatih Mena	34	3	37	0	50%	40%	
08/03/2022	Farah	Purchman	Najdabah	6	5	11	1	70%	0%	
13/03/2022		Purchman	Kashta Baj	6	1	7	0	70%	0%	
16/03/2022		Balablook	Shiwan	10	5	15	0	70%	0%	
15/03/2022		Balablook	Diszak	7	3	10	0	70%	0%	

Scabies Outbreak (Parwan province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
14/03/2022	Parwan	Bagram	Qala-e-Jala	26	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.
Chickenpox Outbreak (Kabul province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
28/03/2022	Kabul	Bazar D1	Shoor Bazar	01	0	During this week one Chickenpox outbreak was reported from Kabul province, the outbreak was investigated, case management was done and health education session was conducted.
Clinical Pneumonia Outbreak (Badakhshan province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
28/03/2022	Badakhshan	Darayem	Qarishi village	25	0	During this week one Clinical Pneumonia outbreak was reported from Badakhshan 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 19, March, 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	142	55	2203	91
Dog bites/Suspected Rabies	5	0	25	0
CCHF	3	0	3	0
Scabies	3	0	56	0
Diphtheria	1	0	1	0
Pertussis	1	0	4	0
Food poisoning	1	0	1	1
COVID-19	1	1	18948	393
Acute Watery Diarrhea	1	1	291	0
Chicken Pox	1	0	1	0
Clinical Pneumonia	1	0	25	0
Grand Total	159	57	21547	485

Figure 4: Distributions of COVID-19, Measles, Scabies, Chicken Pox and Clinical Pneumonia cases and deaths during week 11th



Laboratory surveillance:

A total of 7,799 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 887 specimens were confirmed for COVID-19 and 77 samples were confirmed for Measles in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 11th 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, **238 (5.8%)** Severe Acute Respiratory Infections cases were reported and 63 were under 5 years old. The proportion of SARI cases were increased compared to week 10th 2022. Twelve 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 (57%), Kabul (22%), and Bamyan (11%) provinces. In this epi-week, our field staff shipped 54 SARI and 35 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, 7,416 specimens were tested for suspected COVID-19. Out of which 887 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 **39,9 %** 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 **48, 5 %**, which increased 1 % compared to last week.
- Out of **1,369** contacts of **662** confirmed cases that were mostly family members with an average of 2 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 **76,886** 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 **3,554** measles cases and 22 deaths were reported).
- No mandatory reporting of Measles and other priority diseases from all the health facilities
- Shortage of lab samples collection consumables and testing kits in majority of the provinces have strongly decreased the number of tests.
- No lab capacity for confirmation of the new COVID-19 variant (Omicron) in the country.

Recommendations:

- Measles vaccination campaigns are needed be conducted based on the outbreaks reported and also the routine vaccination coverage need to be improved
- Measles and all surveillance priority diseases should be reported by all health facilities including private HFs
- 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 **3,554** suspected Measles cases, with **22** 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.