

Ministry of Public Health
Monitoring Evaluation & Health Information System GD

وزارت صحت عامه

Diseases Surveillance Department

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ریاست عمومی نظارت ارزیابی و سیستم معلومات صحی

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**National Disease Surveillance
& Response (NDSR)**

NDSR Weekly Epidemiological Report 47th

Date: 21- 27 Nov, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 493 (96.1%) have submitted reports this week.
- A total of 448,823 new consultations, 181,229(40.4 %) were due to Surveillance targeted diseases. That included 96,426 males (53.2%) and 84,803 females (46.8%). Also 84,914 (46.9 %) under five years old and 96,315 (53.1%) five and over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 117,971 cases, (26.3%) out of total new consultations, Acute Diarrheal Diseases 34,7919 cases (7.8%) out of total new consultations and Pneumonia, 22,774 cases (5.1%) out of total new consultations.
- A total of 388 deaths were reported this week, of which 66 were due to Surveillance targeted diseases, which includes 06 COVID-19 deaths, 42 Pneumonia deaths, 05 suspected Meningitis/Severely Ill Child deaths, 05 Typhoid Fever deaths, 03 Suspected Acute Viral Hepatitis deaths, 04 suspected Measles deaths and 01 Acute Watery Diarrhea (AWD) death.
- A total of 571 Measles suspected cases (515 IBS and 56 EBS) with 04 deaths were reported in this week.
- During this week, 342 AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- Also, 50 Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported
- In addition, during this week 07 Outbreaks were reported (06 outbreaks of Measles were reported From Samangan, Kunduz, Laghman, Herat, Ghor and Kapisa provinces, and one Leishmaniasis outbreak was reported from Heart province).
- Moreover, 317 COVID-19 confirmed cases reported at national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2021

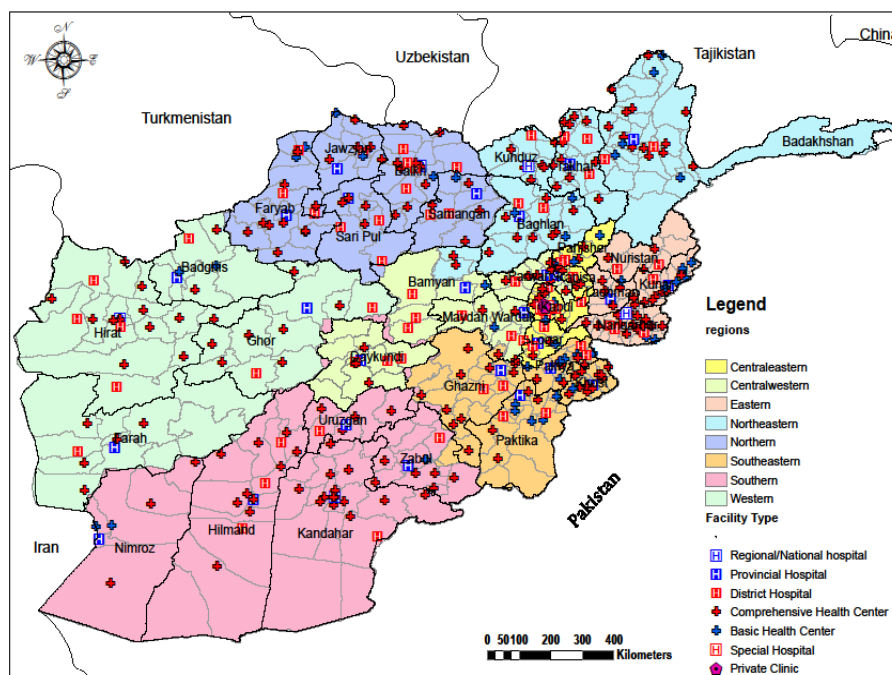


Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	2,643
HF covered by NDSR-Plus	32	77	389	12	3	513

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

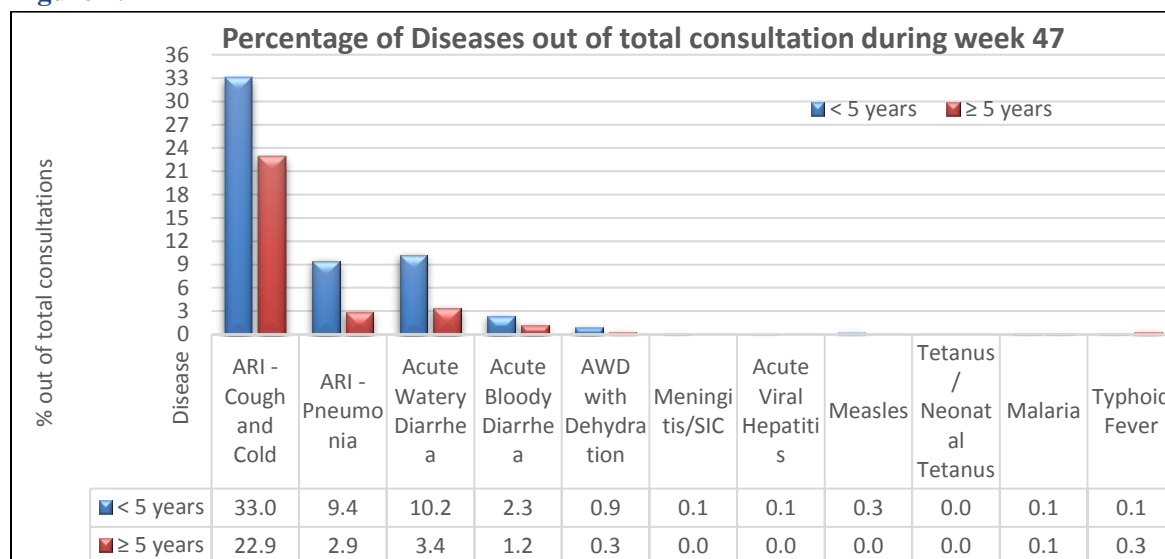


Figure 2: B

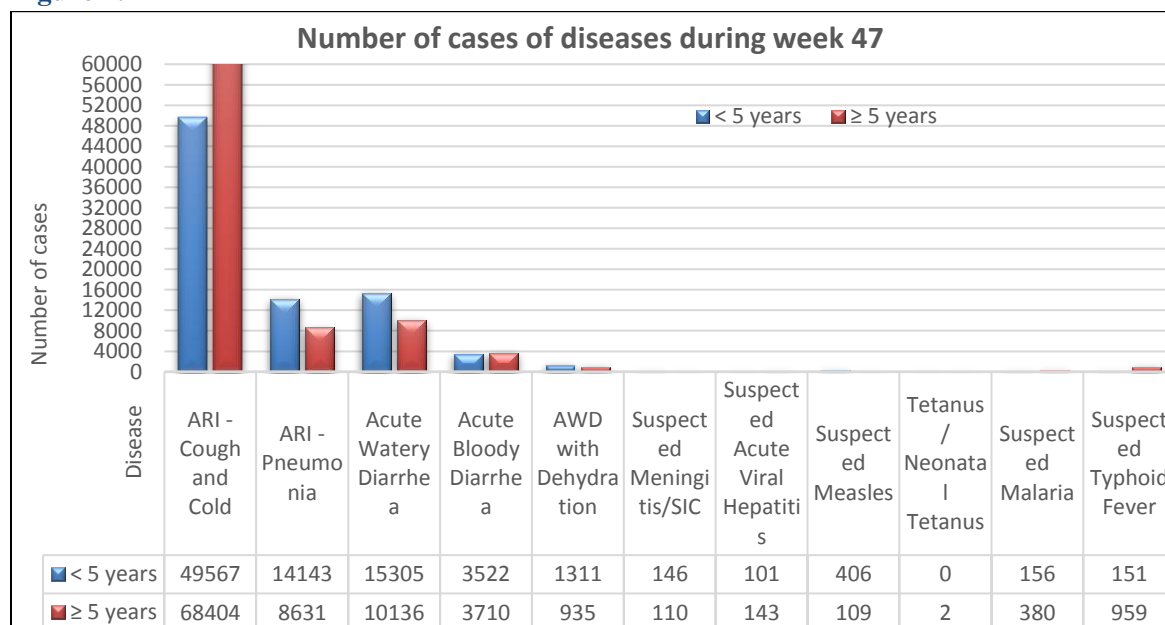


Table 2: Cases and deaths due to VPDs by age group during week 47th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	406	109	515	2	0	02	0.39
Suspected Pertussis	10	4	14	1	0	01	0.07

Seasonal Diseases:

Figure 3: A

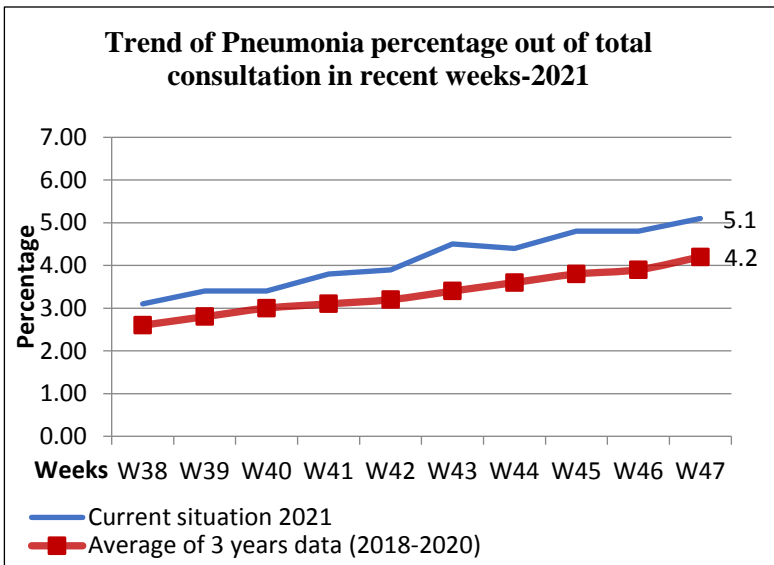


Figure 3: B

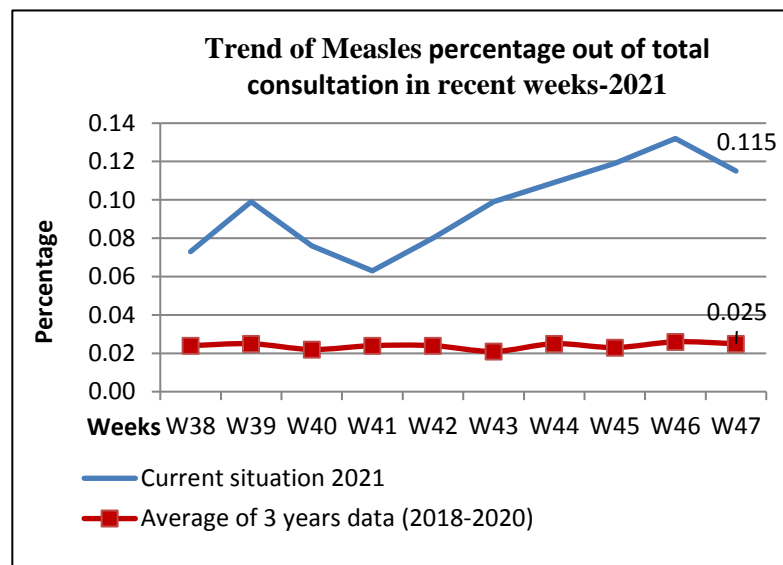


Figure 3: C

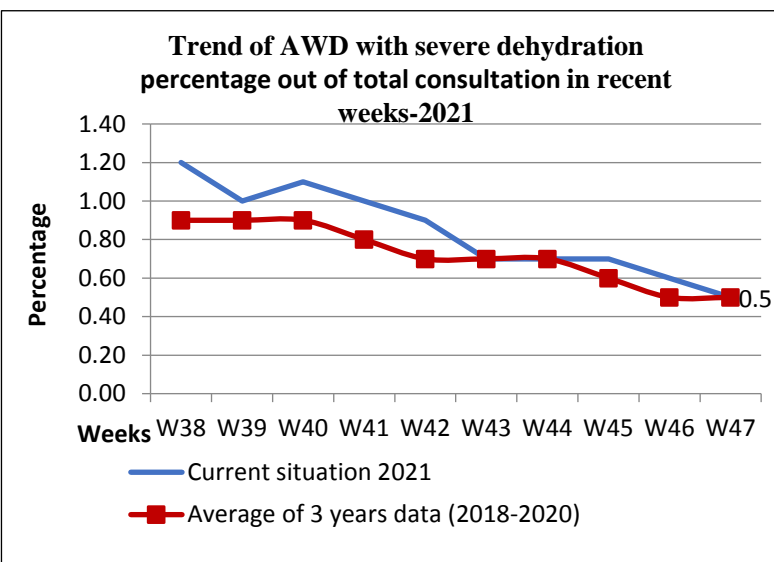


Figure 3: D

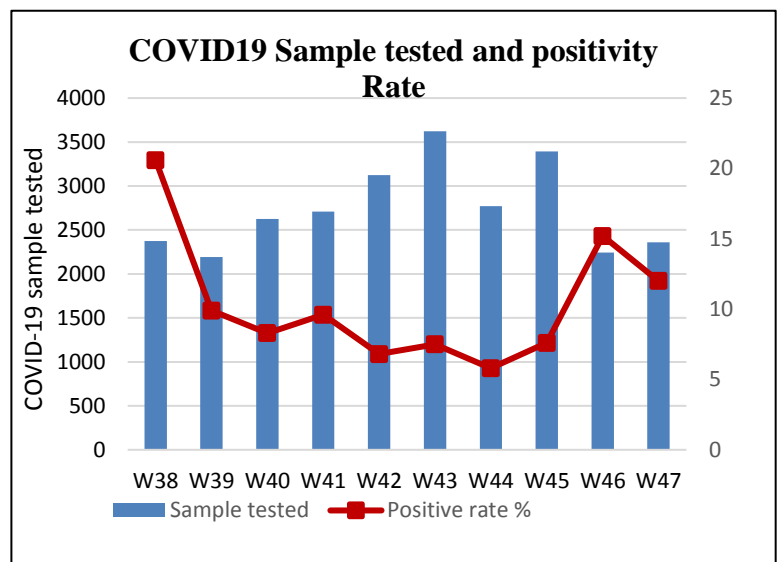


Table 3: Part of Outbreaks:

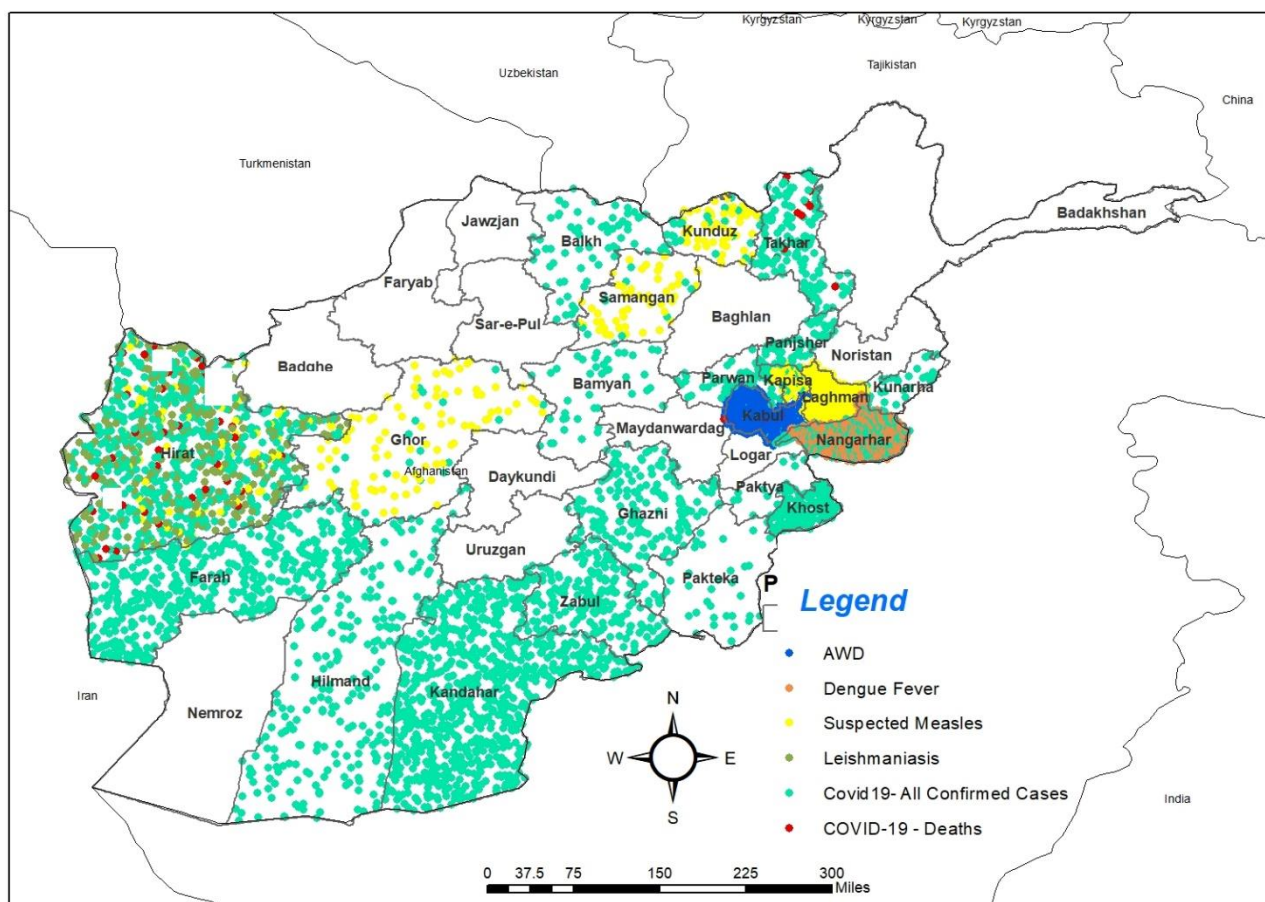
Follow up of AWD Outbreak (Kabul)									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken	
21/11/ 2021	Kabul	Kabul districts	Kabul	95	247	342	0	In this week, 342 AWD new cases epi-linked with Kabul province AWD outbreak reported, Active/daily surveillance and the cases investigation is going on, case management was done for all the cases. RDT sampling was done and lab samples for culture were also collected and shipped to CPHL. Health education was conducted by the investigation team.	
Follow up of Dengue fever outbreak (Nangarhar)									
Reported dated	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total deaths	Recommendation/Action taken	
21/11/2021	Nangarhar	Nangarhar 04 districts	Different villages of 04 district of Nangarhar province	0	50	50	0	During this week, 50 Dengue fever new suspected cases epi-linked with Nangarhar province Dengue fever outbreak reported, Coordination and communication was done with all stakeholders at the local, provincial and national levels, 10 blood serum specimens have been collected and shipped to CPHL for confirmation, and all of them are under process.	
Suspected Measles cases (Samangan, Kunduz, Laghman, Herat, Ghor and Kapisa provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
25/11/2021	Samangan	Aibak	Merqolal	05	0	05	0	42%	In this week, 06 Measles outbreaks were reported from Samangan, Kunduz, Laghman, Herat, Ghor and Kapisa provinces. The outbreaks were investigated, case management was done for all the outbreaks and cases, also health education sessions were conducted. Vaccination for the surrounding villages of the outbreaks areas is going on
24/11/2021	Kunduz	Khan Abad	Chartoot	05	0	05	01	Fix area 85% and Outreach area 40%	
23/11/2021	Laghman	Mehterlam	Mazullah Khil	23	04	27	01	20%	
22/11/2021	Herat	Adraskan	Kariz bid	06	0	06	0	0%	
22/11/2021	Ghor	Allah Yar	Dahan Darm	08	0	08	0	0%	
21/11/2021	Kapisa	Nejrab	Dara-eghows	0	05	05	0	0%	

Leishmaniasis Outbreak (Herat province)						
Reported dated	Province	District	Village	Total cases	Total death	Recommendation/Action take
24/11/2021	Herat	Kuhsan	Sar kham ,Tar kham	29	0	During this week, one Leishmaniasis outbreak was reported from Herat province, Case management was done, health education session was conducted and the information was shared with related departments, to take the control and preventive measures.

Table 4: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 27, Nov, 2021)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	114	62	1284	42
CCHF	84	21	84	5
Dog bites/Suspected Rabies	12	0	74	0
Acute Watery Diarrhea	3	2	4193	8
Pertussis	6	0	59	1
Scabies	3	0	71	0
Diphtheria	3	0	6	1
ARI	1	0	11	0
Acute Influenza	1	1	5	0
COVID 19	1	1	105086	5121
Food poisoning	2	0	26	0
Polio Myelitis	1	0	2	0
Unknown Poisoning	1	0	12	3
Malaria	1	0	13	0
Mass psychogenic Illness	1	0	16	0
Tick bite	1	0	9	0
Dengue fever	1	1	670	0
Gas (CO) Poisoning	1	0	18	0
Chickenpox	1	0	9	0
Leishmaniasis	1	0	29	0
Grand Total	239	88	111677	5181

Figure 4: Distributions of COVID-19, Dengue, AWD, Measles and Leishmaniasis cases and deaths during week 47th, 2021



Laboratory surveillance:

A total of **5,991** specimens were collected and shipped to CPHL, regional and private labs. Out of which **317** specimens were confirmed for COVID-19, **12** specimen were confirmed for Measles, **11** specimen were confirmed for SARI and ILI in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 47th 2021, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktia). Out of all new hospital admissions, 223 (6.3%) Severe Acute Respiratory Infections cases were reported and 61 were under 5 years old. The proportion of SARI cases were increased as compared to week 46th 2021. Seven SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (23%), Kapisa (14%) and Paktia (13%). In this epidemiological week, our field staff shipped 82 SARI and 32 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **5,775** specimens were tested for suspected COVID-19. Out of which **317** 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 **07.3%** compared to last week, (and 1.9% lab samples positivity rate decreased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is **27.5%**, which increased 1.6% compared to last week.

- Out of 537 contacts of 189 confirmed cases that were mostly family members with an average of 03 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, and health education was conducted for them, about **140,795** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz provinces).

Challenges:

- No lab capacity for the confirmation of the new COVID-19 variate (Omicron) in the country
- Suspected Measles cases and outbreaks are in the increasing trend (in this week 571 measles cases and 04 deaths were reported).
- Weak preventive and control measures for Dengue fever outbreak in Nangarhar province
- Weak preparedness for the expected outbreaks and health emergencies in coming months.
- Shortage of lab consumables in majority of the provinces for COVID-19, Influenza and suspected cholera cases.

Recommendations:

- CPHL should be supported for the confirmation of the new COVID-19 variate (Omicron)
- RRTs should be functionalized again, to support the outbreak investigation and response for COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies.
- Vaccination coverage for measles and other vaccine preventable diseases need to be improved
- Preventive and control measures for Dengue fever should be strengthened in Nangarhar province
- Buffer stock and preparedness plan for the expected health emergencies are needed to be prepared at the provincial level
- Regular supply for lab consumables and lab testing kits for surveillance priority diseases including COVID-19 are needed and lab testing capacity needs to be strengthened and expanded to all the provinces.
 - **EPI:** As the system detected **571** suspected Measles cases, with 04 deaths due to measles in this week, 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.