

Summary:

- Out of 513 functional Surveillance sentinel sites, 489 (95.3%) have submitted reports this week.
- A total of 484,476 new consultations, 199,441 (41.2 %) were due to Surveillance targeted diseases. That included 105,838 males (53.1%) and 93,603 females (46.9%). Also, 92,633 (46.4 %) under five years old and 106,808 (53.6%) five and over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 130,980 cases, (27%) out of total new consultations, Acute Diarrheal Diseases 37,429 cases (7.7%) out of total new consultations and Pneumonia, 25,252 cases (5.2%) out of total new consultations.
- A total of 238 deaths were reported this week, of which 97 were due to Surveillance targeted diseases, which includes 13 COVID-19 deaths, 54 Pneumonia deaths, 06 suspected meningitis/Severely ill Child deaths, 16 suspected Measles deaths, 03 Acute Watery Diarrhea deaths, 03 Acute Watery Diarrhea with Dehydration deaths, 01 suspected Acute viral Hepatitis death, 01 Pregnancy-related death.
- A total of 716 Measles suspected cases (595 in IBS and 121 in EBS) with 16 deaths (05 in IBS and in 11 EBS) were reported in this week.
- During this week, 69 AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- Also, 36 Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported.
- In addition, during this week 10 outbreaks were reported (07 Measles outbreaks were reported from Takhar, Balkh, Urozgan, Zabul, Kunduz and Kabul provinces. Two CCHF outbreaks were reported from Kunduz and Herat provinces. And one Scabies outbreak was reported from Parwan province).
- Moreover, 167 COVID-19 confirmed cases reported at national level.

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

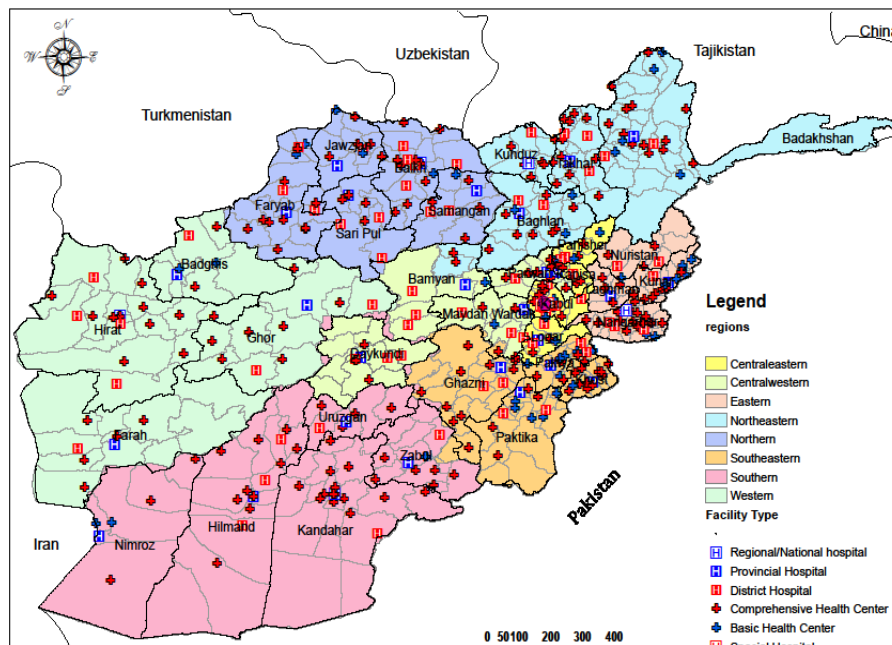


Table 1: Coverage of NDSR Surveillance System

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

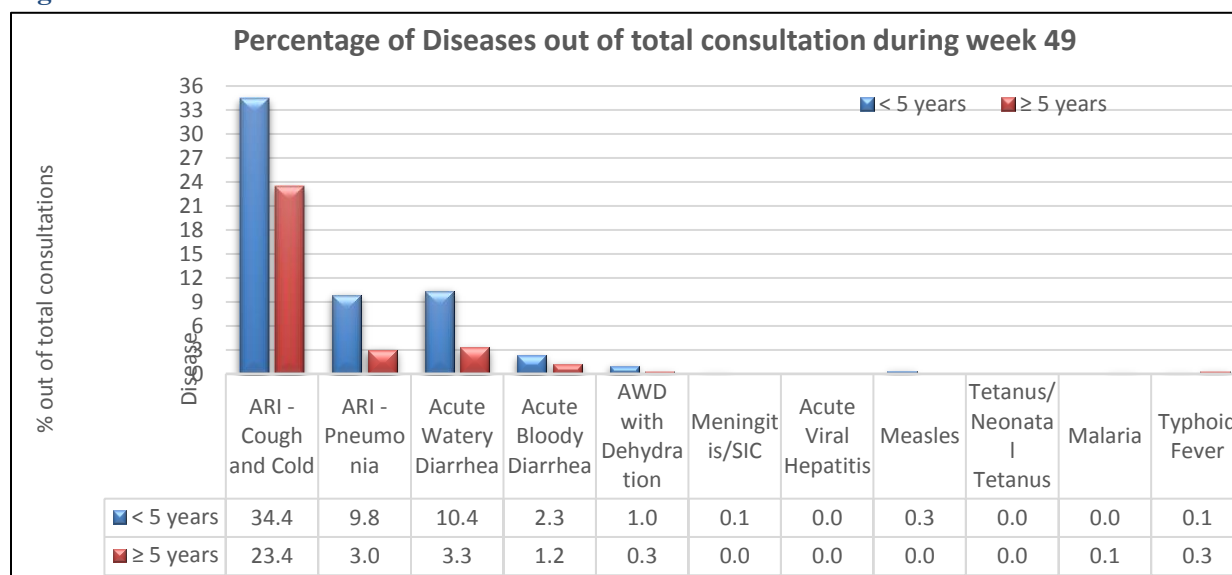


Figure 2: B

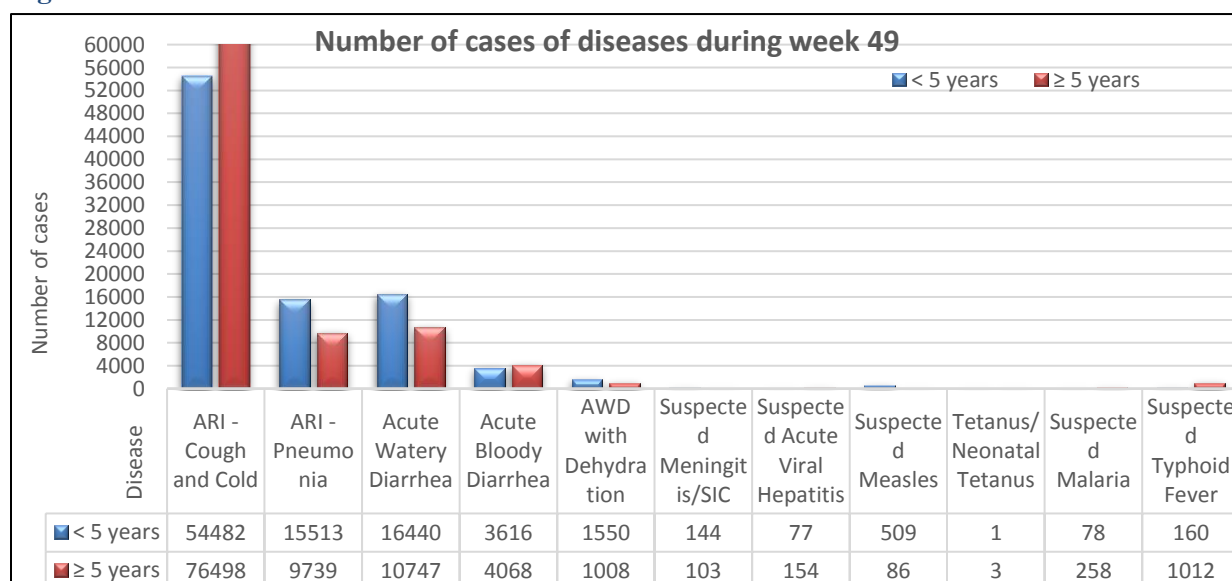


Table 2: Cases and deaths due to VPDs by age group during week 49th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	509	86	595	5	0	5	0.84
Suspected Pertussis	26	1	27	0	0	0	0.00
Tetanus/ Neonatal Tetanus	1	3	4	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

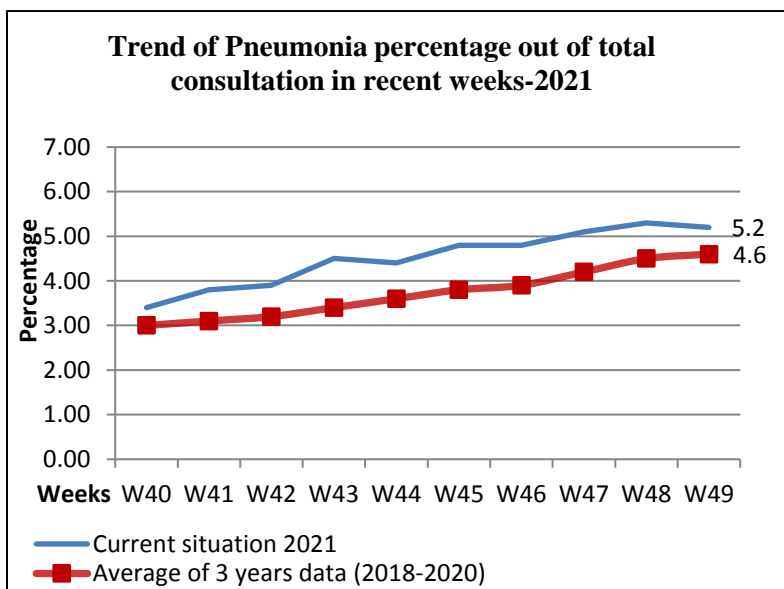


Figure 3: B

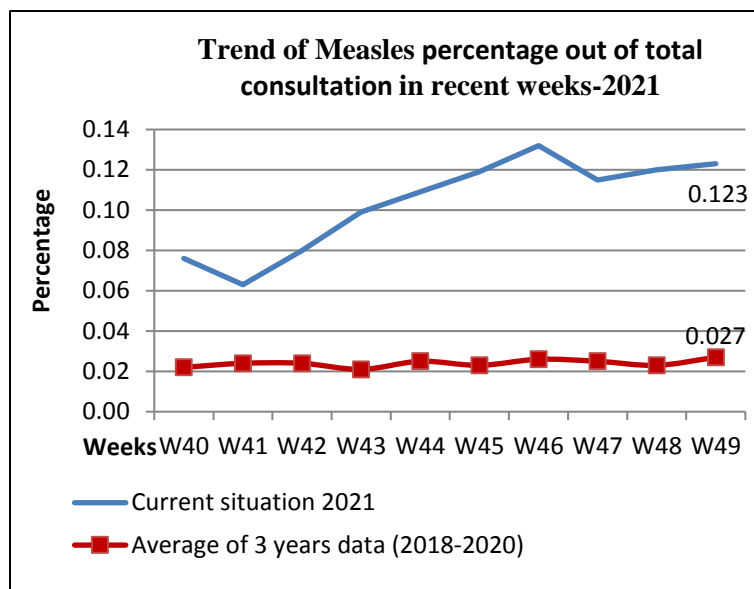


Figure 3: C

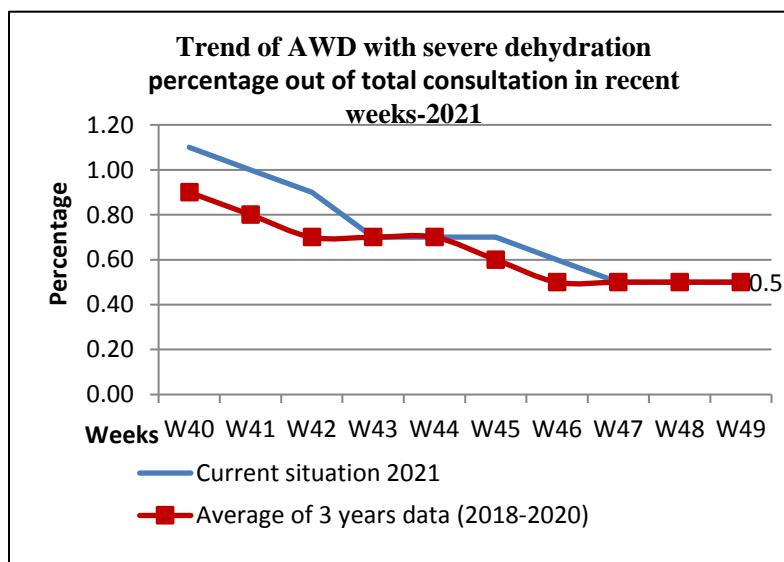


Figure 3: D

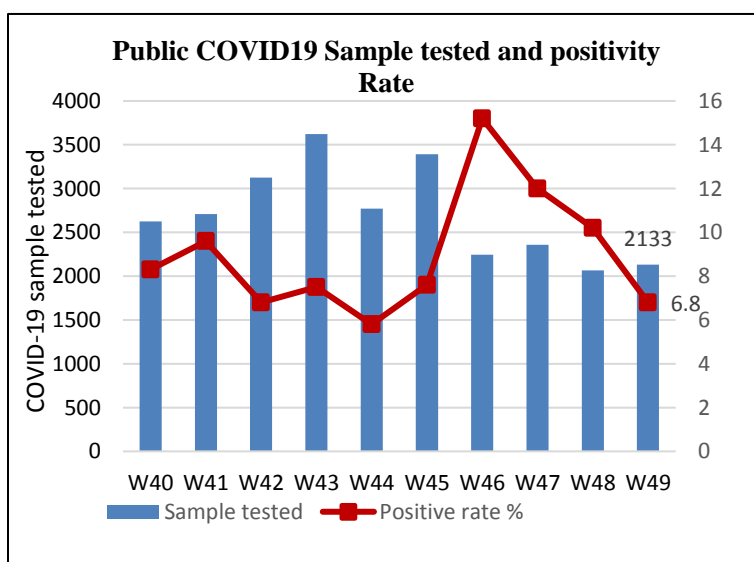


Table 3: Part of Outbreaks:

Follow up of AWD Outbreak (Kabul)									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken	
05/12/ 2021	Kabul	Kabul districts	Kabul	18	51	69	0	In this week, 69 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. Sample collection was done and shipped to CPHL for confirmation. In addition, 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	
05/12/2021	Nangarhar	Nangarhar 02 districts	Different villages of 02 district of Nangarhar province	0	36	36	0	During this week, 36 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, 05 blood serum specimens have been collected and shipped to CPHL for confirmation.	
Suspected Measles outbreak (Takhar, Balkh, Urozgan, Zabul, Kunduz and Kabul provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
10/12/2021	Takhar	Namak Ab	Deh Mursalan	03	02	05	0	50%	In this week, 07 Measles outbreaks were reported from Takhar, Balkh, Urozgan, Zabul, Kunduz and Kabul provinces. Also, in this week 11 deaths of Measles were reported from Urozgan, Zabul, Kunduz and Kabul 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 villages is going on
10/12/2021	Balkh	Jonaito	Sholgarah	05	02	07	0	>100%	
09/12/2021	Urozgan	Chinartoo	Shafolagh	17	10	27	01	30 %	
07/12/2021	Zabul	Shamolzai	Qamrudin, Haji Ghafoor and Mullah Gull	30	18	48	08	62%	
06/12/2021		Arghanda b	Zyarat	08	01	09	0	62%	
06/12/2021	Kunduz	Emam sahib	Qalam Gozar	13	0	13	01	55%	
06/12/2021	Kabul	Sarobi DH Ozbin D	Bargaz And kooz Bargaz	11	01	12	01	NA	

Suspected CCHF cases (Herat and Kunduz provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
05/12/2021	Herat	City	Baghche mostofi	01	0	25 Y	Worker	During this week, 02 suspected CCHF cases were reported from Kunduz and Herat provinces. Case management was done, health education sessions were conducted and the information was shared with related departments and animal health as well, to take the control and preventive measures. Also Blood serum specimens collected by the investigation team and sent to CPHL for Lab confirmation.
08/12/2021	Kunduz	Emam Sahib	Dorman Batash	01	0	30 Y	Butcher	

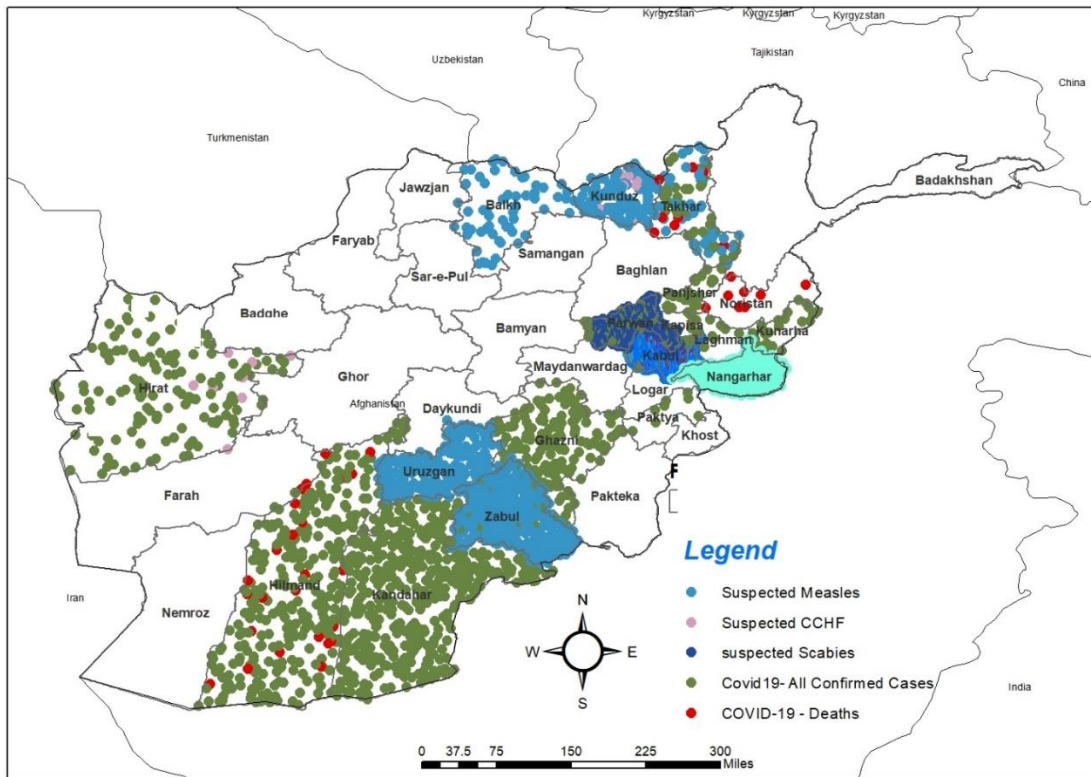
Suspected Scabies Outbreak (Parwan province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
06/12/2021	Parwan	Bagram	Qala-e-Nasro	36	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 (27 Dec 2020 to 11, Dec, 2021)

Disease/Event	Count of Disease/ Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	124	62	1448	61
CCHF	86	21	86	5
Dog bites/Suspected Rabies	12	0	74	0
Acute Watery Diarrhea	3	2	4417	8
Pertussis	6	0	59	1
Scabies	4	0	107	0
Diphtheria	3	0	6	1
ARI	1	0	11	0
Acute Influenza	1	1	5	0
COVID 19	1	1	105475	5140
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	740	0
Gas (CO) Poisoning	1	0	18	0
Chickenpox	1	0	9	0
Leishmaniasis	1	0	29	0
Grand Total	252	88	112562	5219

Figure 4: Distributions of COVID-19, Dengue, AWD and Measles cases and deaths during week 49th



Laboratory surveillance:

A total of **7,722** specimens were collected and shipped to CPHL, regional and private labs. Out of which **167** specimens were confirmed for COVID-19, **04** specimens were confirmed for Measles in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 49th 2021, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admissions, **208** (5.6%) 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 48th 2021. Four 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 (36%), Kapisa (21%) and Bamyan (15%). In this epidemiological week, our field staff shipped **85** SARI and **54** ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **7,272** specimens were tested for suspected COVID-19. Out of which **167** 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 **24.8%** compared to last week, (and 1.4% lab samples positivity rate decreased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level was **29.5%**, which increased 0.9% compared to last week.

- Out of **315** contacts of **133** confirmed cases that were mostly family members with an average of 02 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 **60,409** 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 (716 measles cases and 16 deaths were reported in this week).
- 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 samples collection consumables and testing kits 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)
- Vaccination coverage for measles and other vaccine preventable diseases need to be improved
- Preventive and control measures for Dengue fever outbreak should be strengthened in Nangarhar province
- RRTs should functional again, to support the outbreak investigation and response for COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies.
- 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 **716** suspected Measles cases, with 16 deaths due to measles and 27 suspected Pertussis cases 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.