

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)

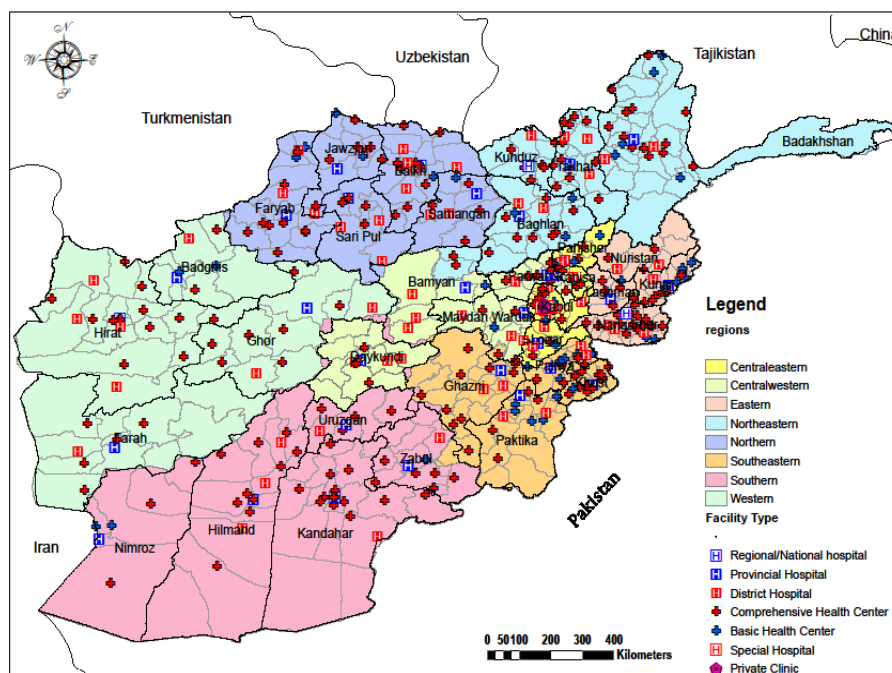
NDSR Weekly Epidemiological Report 46<sup>th</sup>

14- 20 Nov, 2021  
Ended on 20<sup>th</sup> Nov, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 490 (95.5%) have submitted reports this week.
- A total of 438,587 new consultations, 176,074(40.1 %) were due to Surveillance targeted diseases. That included 92,841 males (52. 7%) and 83,233 females (47. 3%). Also 82,571 (46.9 %) under five years old and 93,503 (53.1%) five and over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 114,032 cases, (26%) out of total new consultations, Acute Diarrheal Diseases 35,707 cases (8.1%) out of total new consultations and Pneumonia, 21,185 cases (4.8%) out of total new consultations.
- A total of 209 deaths were reported this week, of which 54 were due to Surveillance targeted diseases, which includes 08 COVID-19 deaths, 36 Pneumonia deaths, 01 Acute Diarrheal Diseases death, 04 suspected Meningitis/Severely Ill Child deaths, 02 suspected Measles deaths, and 03 Typhoid Fever deaths,
- A total of 598 Measles suspected cases (580 IBS and 18 EBS) with 02 deaths were reported in this week.
- During this week, 396 AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- Also, 52 Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported
- In addition, during this week 04 outbreaks were reported (02 outbreaks of Measles were reported from Zabul and Takhar provinces, one pertussis outbreak was reported from Nuristan province. And one Polio outbreak was reported from Kunduz province).
- Moreover, 342 COVID-19 confirmed cases reported at national level.

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



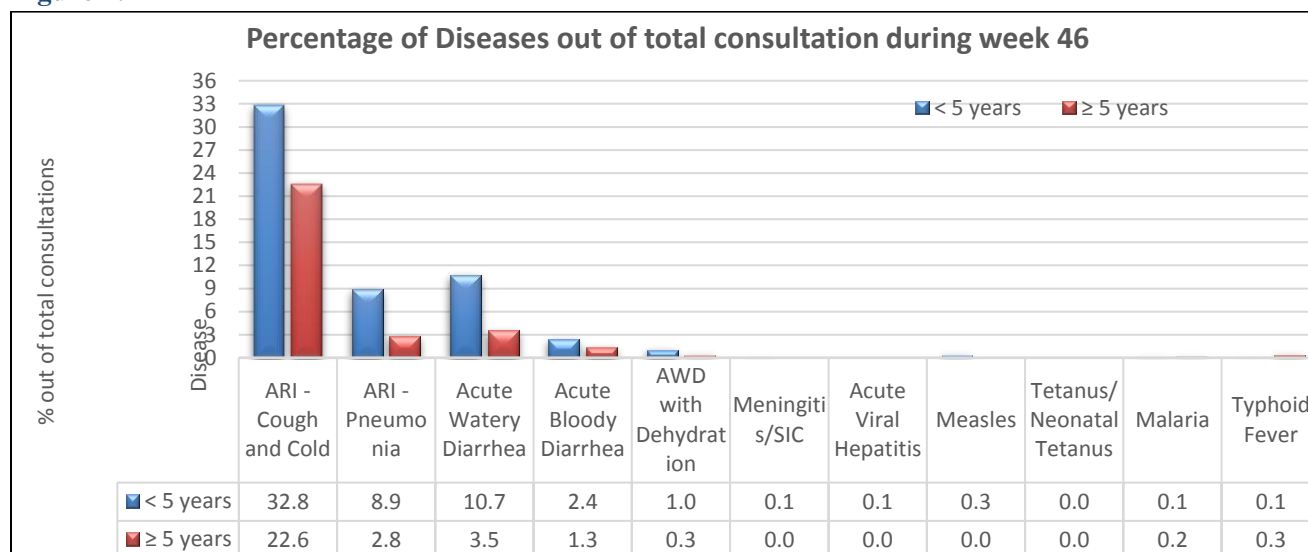
**Table 1: Coverage of NDSR Surveillance System**

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

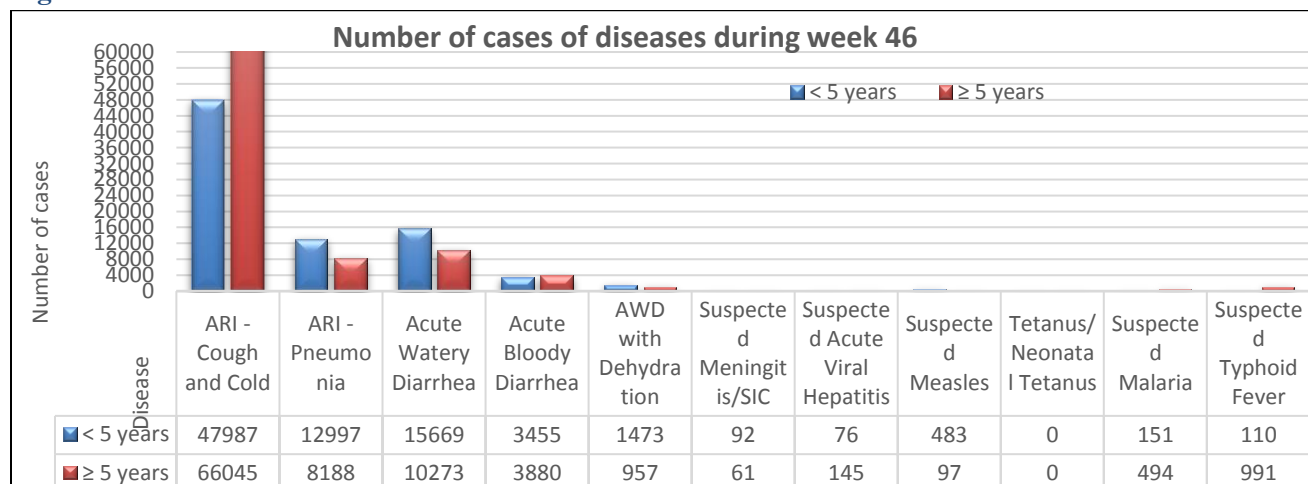
**Indicator - based Surveillance (IBS):**

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**

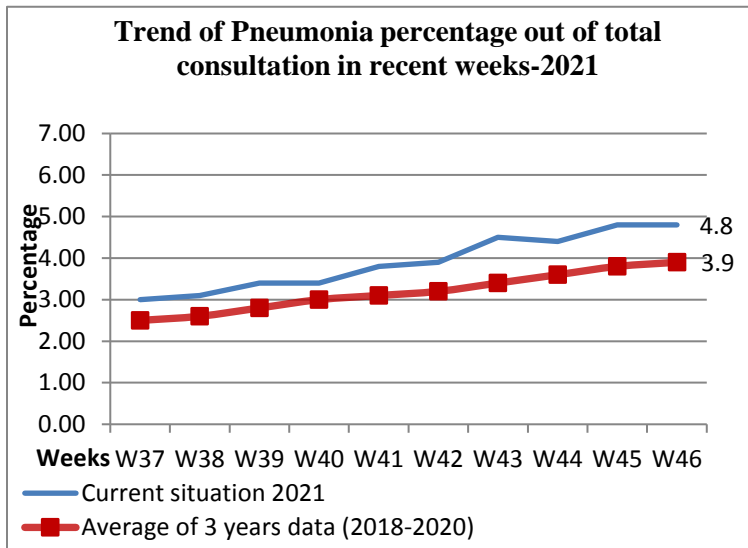


**Table 2: Cases and deaths due to VPDs by age group during week 46<sup>th</sup>, 2021**

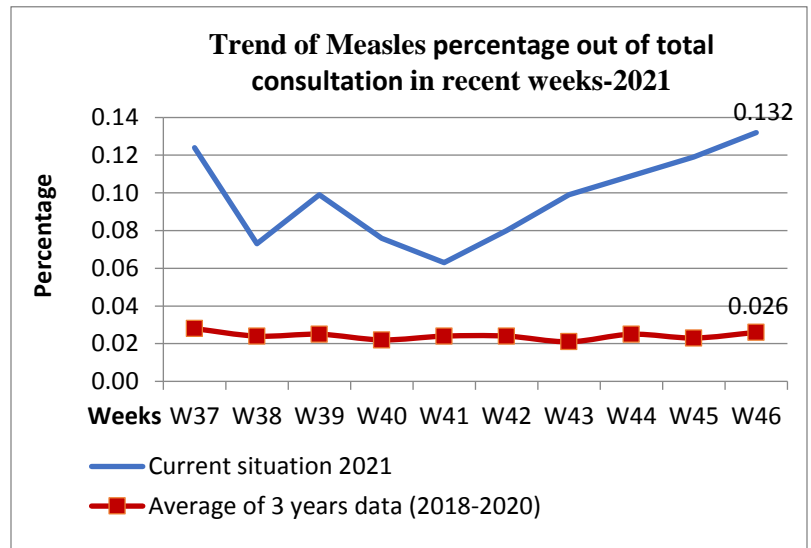
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	483	97	580	2	0	2	0.34
Suspected Pertussis	08	01	09	0	0	0	0.00

**Seasonal Diseases:**

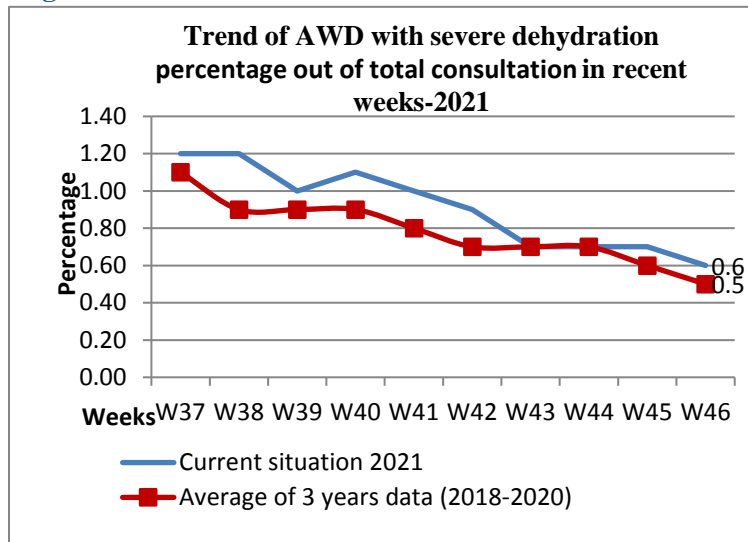
**Figure 3: A**



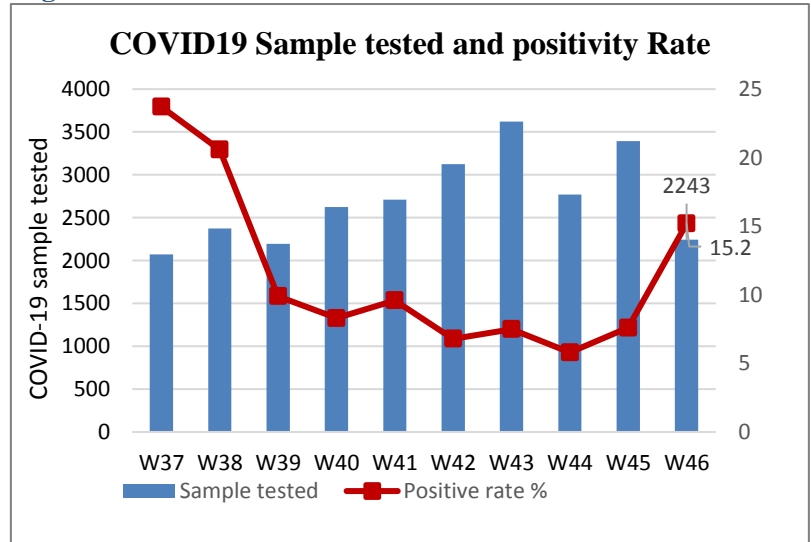
**Figure 3: B**



**Figure 3: C**



**Figure 3: D**



**Table 3: Part of Outbreaks:**

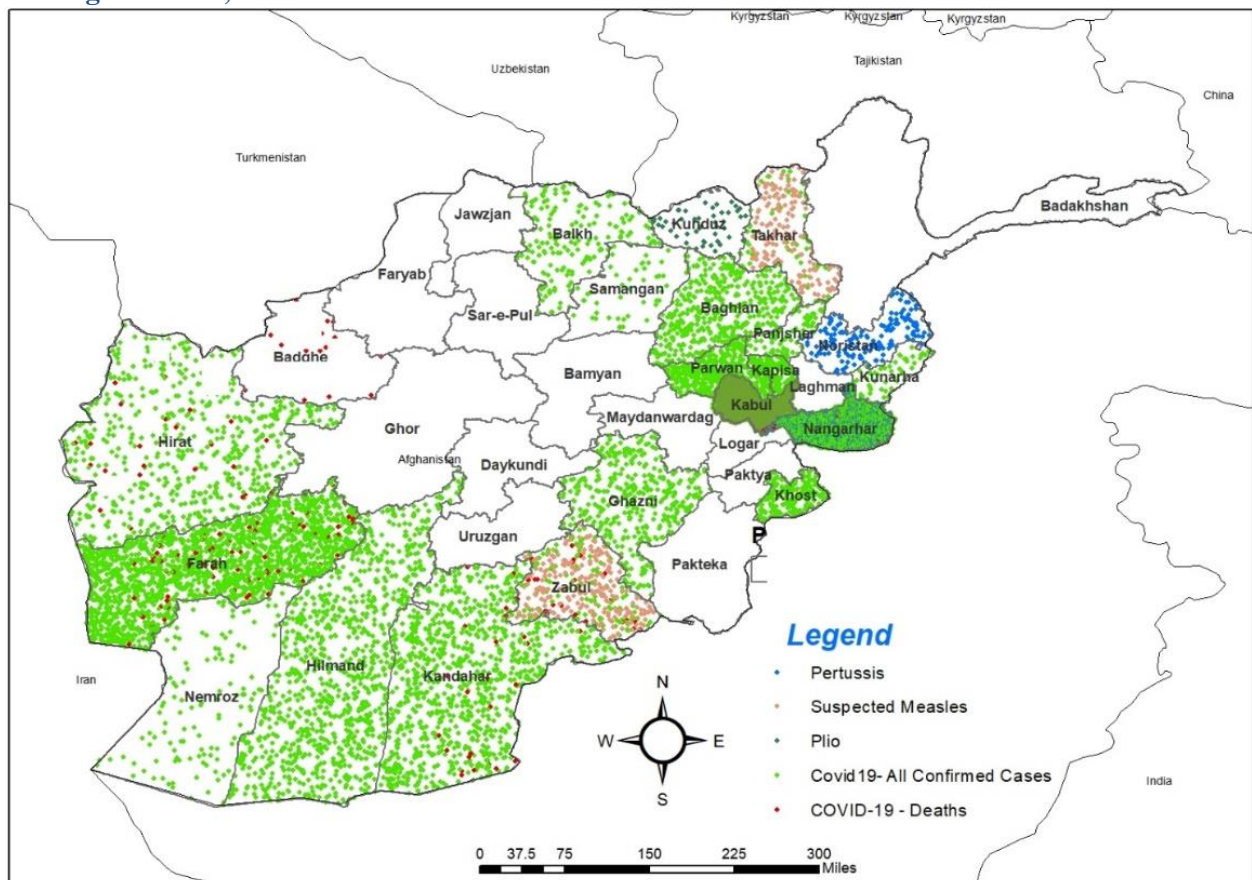
Follow up of AWD Outbreak (Kabul)									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken	
14/11/2021	Kabul	Kabul districts	Kabul	104	292	396	0	In this week, 396 AWD new cases epi-linked with Kabul province AWD outbreak reported, Active/daily 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	
14/11/2021	Nangarhar	Nangarhar 06 districts	Different villages of 06 district of Nangarhar province	01	51	52	0	During this week, 52 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, 09 blood serum specimens have been collected and shipped to CPHL for confirmation, among them 04 specimens were positive for Dengue fever.	
Suspected Measles cases (Zabul and Takhar provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
16/11/2021	Zabul	Shanki	Malize	07	04	11	0	52%	In this week, 02 Measles outbreaks were reported from Zabul and Takhar provinces. The outbreaks were investigated, case management was done for all the outbreaks and cases, also health education sessions were conducted.
20/11/2021	Takhar	Taluqan	Qulbars Khaskapa and sari sang	06	01	07	0	50%	

Pertussis outbreak (Nuristan province)								
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Death	Recommendation/Action taken
14/11/2021	Nuristan	Paroon	Chateras	06	01	07	0	During this week, 01 pertussis outbreak was reported from Nuristan 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.
Polio outbreak (Kunduz province)								
Reported dated	Province	District	Village	Age	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
14/11/2021	Kunduz	Emam sahib	Qalam Guzar	10M	02	0	50%	In this week, 01 Polio outbreak was reported from Kunduz province. The outbreak was investigated, two lab confirmed poliomyelitis cases were reported, Epidemiological investigation, treatment of cases, application of control strategies and health education is going on. Follow up report will be shared
			Toghlang	25M				

**Table 4: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 20, Nov, 2021)**

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	108	62	1228	40
CCHF	84	21	84	5
Dog bites/Suspected Rabies	12	0	74	0
Acute Watery Diarrhea	3	2	3851	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	104769	5115
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	620	0
Gas (CO) Poisoning	1	0	18	0
Chickenpox	1	0	9	0
<b>Grand Total</b>	<b>232</b>	<b>88</b>	<b>110883</b>	<b>5173</b>

**Figure 4: Distributions of COVID-19, Dengue, AWD, Measles, Pertussis and Polio cases and deaths during week 46<sup>th</sup>, 2021**



#### Laboratory surveillance:

A total of **4,741** specimens were collected and shipped to CPHL, regional and private labs. Out of which **342** specimens were confirmed for COVID-19, **04** specimens were confirmed for Dengue fever, **12** specimen were confirmed for Measles in this week. (Follow up by the CPHL is going on).

#### Influenza Surveillance activities:

In Epidemiological week 46th 2021, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admissions, 198 (5.8%) Severe Acute Respiratory Infections cases were reported and 59 were under 5 years old. The proportion of SARI cases were decreased as compared to week 45th 2021. Eight 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 (19%), Kapisa (17%) and Bamyan (10%) provinces. In this epidemiological week, our field staff shipped 55 SARI and 36 ILI specimens to the National Influenza Center (NIC).

#### COVID-19 Surveillance activities:

In this week, **4,625** specimens were tested for suspected COVID-19. Out of which **342** 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 increased **33.1%** compared to last week, (and 0.2% lab samples positivity rate decreased as compared to last week at national level).

- Bed occupancy rate (BOR) at the national level is **25.9%**, which increased 0.1% compared to last week.
- Out of 568 contacts of 208 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 **139,330** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz provinces).

#### Challenges:

- COVID-19 cases were increased **33%** compared to last week,
- Suspected Measles cases were increased 5.5% compared to last week (in this week 598 measles cases and 02 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:

- 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 **598** suspected Measles cases, with 02 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.