

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 51st

Date: 19- 25 Dec, 2021

Summary:

- Out of 519 functional Surveillance sentinel sites, 491 (94.6 %) have submitted reports this week.
- A total of 492,999 new consultations, 198,611 (40.3%) were due to Surveillance targeted diseases. That included 105,359 males (53%) and 93,252 females (47%). Also, 91,584 (46.1 %) under five years old and 107,027 (53.9%) five years old and over reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 131,771 cases (26.7%) out of total new consultations, Acute Diarrheal Diseases 34,104 cases (6.9%) out of total new consultations and Pneumonia, 27,257 cases (5.5%) out of total new consultations.
- A total of 275 deaths were reported this week, of which 72 were due to Surveillance targeted diseases, which includes 19 COVID-19 deaths, 39 Pneumonia deaths, 05 Acute diarrheal Diseases deaths, 04 pregnancy related deaths, 03 suspected measles deaths, 01 suspected meningitis / severely ill child death, 01 Tetanus death.
- A total of **1,042** Measles suspected cases with 03 deaths in IBS were reported in this week.
- During this week, **93** AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- Also, **35** Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported.
- In addition, during this week 10 outbreaks were reported (09 Measles outbreaks were reported from Kunduz, Takhar, Faryab, Paktika, Urozgan, Zabul and Nuristan provinces. One Pertussis outbreak was reported from Samangan province).
- Moreover, **164** COVID-19 confirmed cases reported at national level.

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

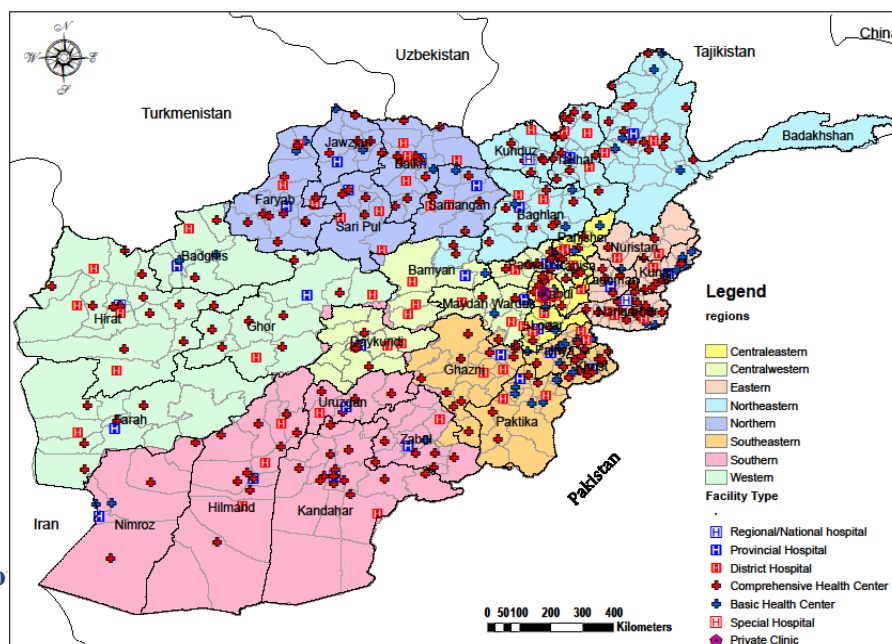


Table 1: Co

Type of Health Facility	RH/NH	PH	DH	CHC	BHC	Special Hospital	SHC	Other	Total
Total Health Facilities (HF)	8	27	91	437	900	36	1106	2093	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

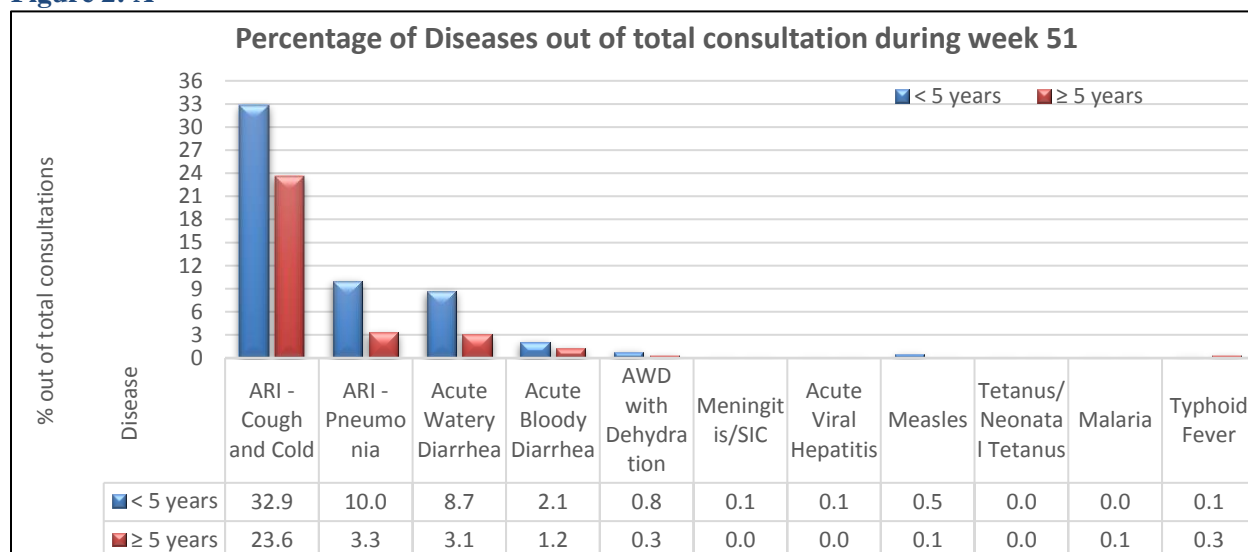


Figure 2: B

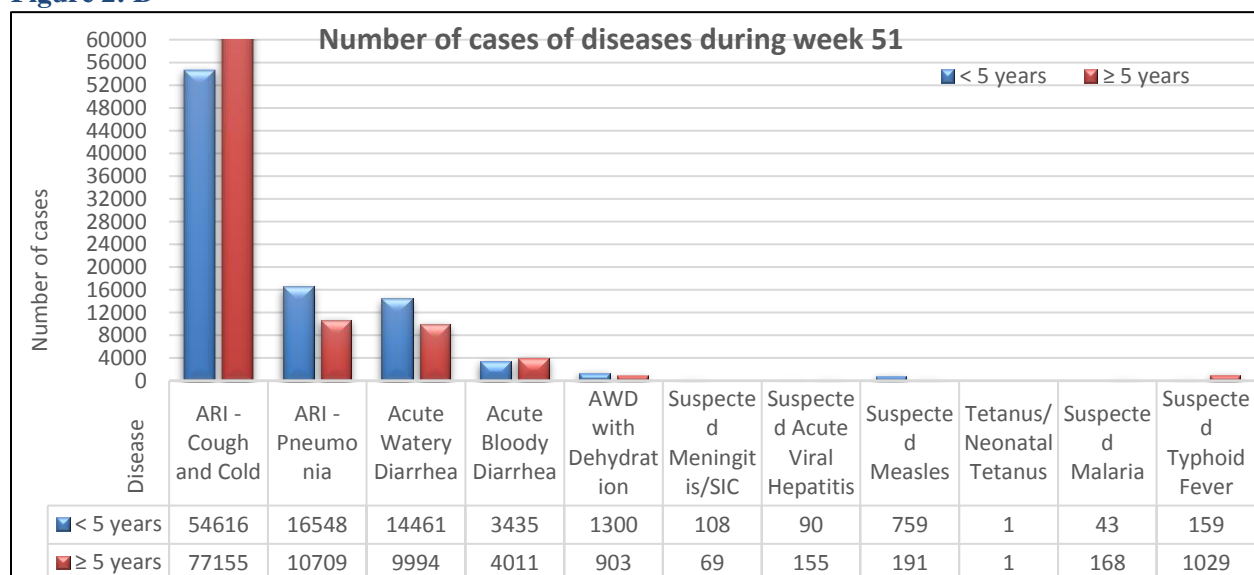


Table 2: Cases and deaths due to VPDs by age group during week 51th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	759	191	950	3	0	3	0.32
Tetanus/ Neonatal Tetanus	1	1	2	1	0	1	0.5

Seasonal Diseases:

Figure 3: A

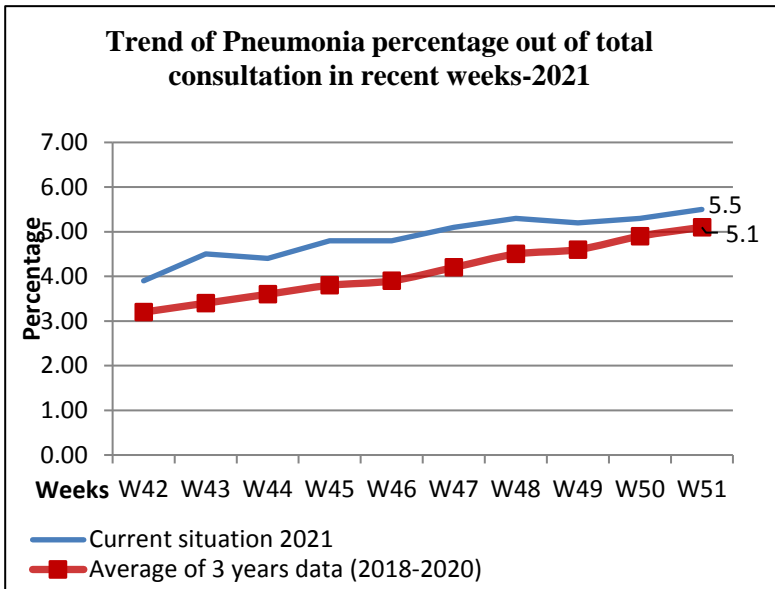


Figure 3: B

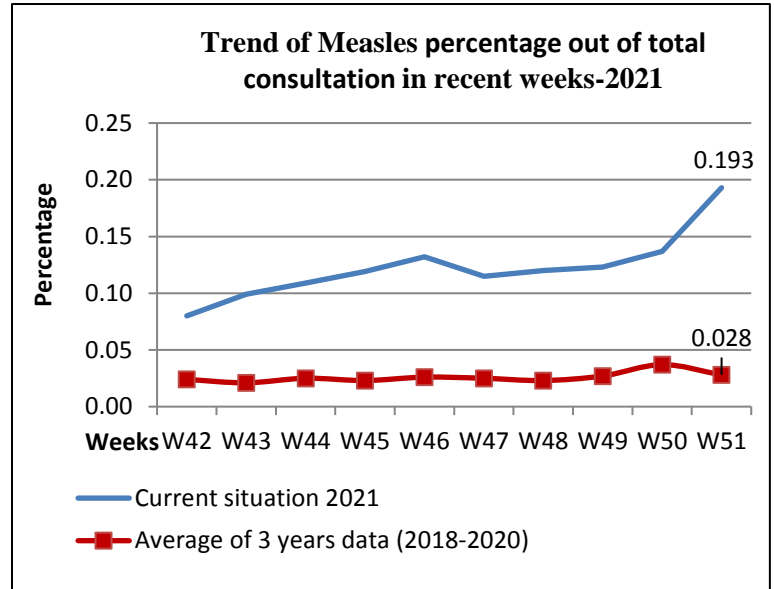


Figure 3: C

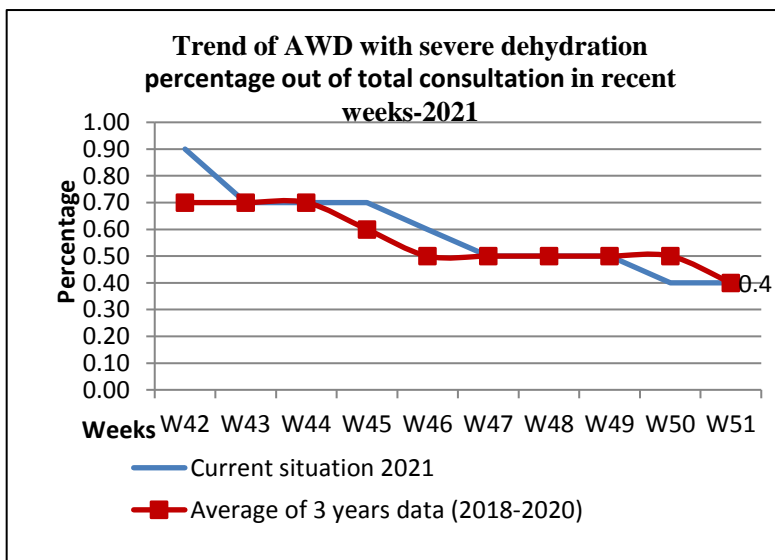


Figure 3: D

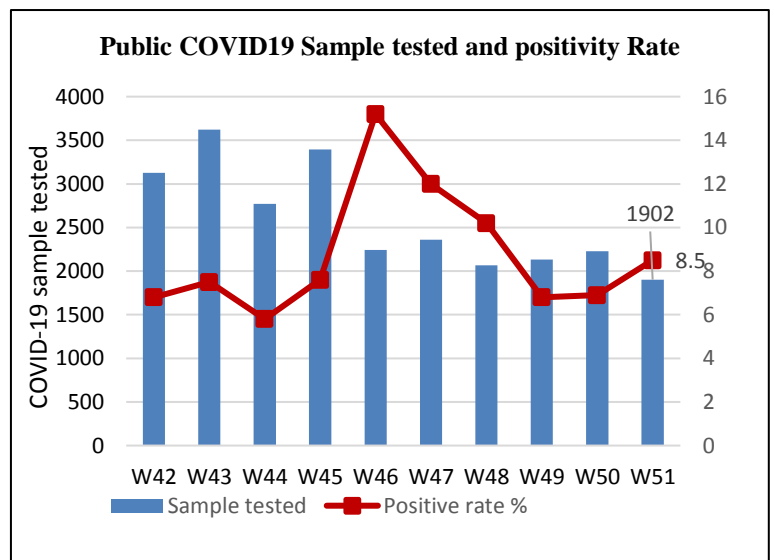


Table 3: Part of Outbreaks:

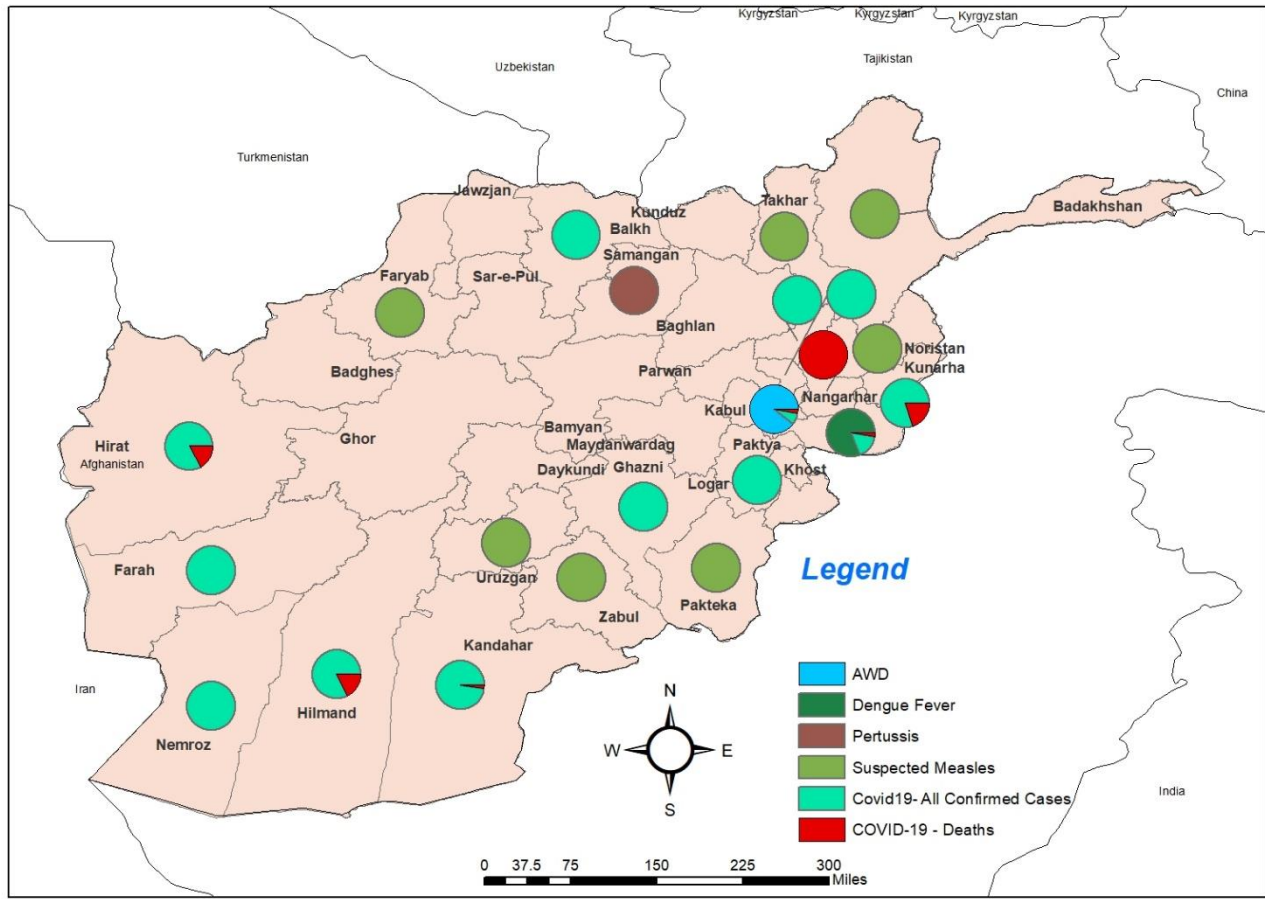
Follow up of AWD Outbreak (Kabul)									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken	
19/12/ 2021	Kabul	Kabul districts	Kabul	10	83	93	0	In this week, 93 AWD new cases epi-linked with Kabul province AWD outbreak reported, Active/daily surveillance and the case investigation is going on, case management was done for all the cases. 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	
19/12/2021	Nangarhar	Nangarhar 06 districts	Different villages of 06 district of Nangarhar province	1	34	35	0	During this week, 35 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, 04 blood serum specimens have been collected and shipped to CPHL for confirmation.	
Suspected Measles outbreaks (Kunduz, Takhar, Faryab, Paktika, Urozgan, Zabul and Nuristan provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
19/12/2021	Kunduz	Emam sahib	Qorghan Tapa	9	5	14	0	NA	In this week, 09 Measles outbreaks were reported from Kunduz, Takhar, Faryab, Paktika, Urozgan, Zabul and Nuristan 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.
22/12/2021	Takhar	Khawaghar	Naw Abad	6	0	6	0	NA	
19/12/2021	Faryab	Sherintaga b	Jalalzay	9	0	9	0	NA	
20/12/2021	Paktika	Della	M. Juma	0	5	5	0	NA	
20/12/2021	Urozgan	Chinartoo	Chilaby	12	5	17	0	76%	
16/12/2021	Zabul	Khanki Afghan	Zangali	7	2	9	0	62%	
22/12/2021		Seorai	Pezwan	10	2	12	0	42%	
22/12/2021		Qalat	Gull Cha	11	3	14	0	42%	
19/12/2021	Nuristan	Douab	Korgal	3	3	6	0	95%	

Pertussis outbreak (Samangan province)								
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Death	Recommendation/Action take
20/12/2021	Samangan	Dare sof bala	Nawabad Sarolang	03	02	05	0	During this week 01 Pertussis outbreak was reported from Samangan 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 25, Dec, 2021)

Disease/Event	Count of Disease/ Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	137	62	1596	62
CCHF	86	21	86	5
Dog bites/Suspected Rabies	13	0	84	0
Acute Watery Diarrhea	3	2	4592	8
Pertussis	7	0	64	1
Scabies	5	0	131	0
Diphtheria	3	0	6	1
ARI	1	0	11	0
Acute Influenza	1	1	5	0
COVID 19	1	1	105792	5166
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	805	0
Gas (CO) Poisoning	1	0	18	0
Chickenpox	1	0	9	0
Leishmaniasis	1	0	29	0
Grand Total	268	88	113306	5246

Figure 4: Distributions of COVID-19, Dengue, AWD, Measles and pertussis cases and deaths during week 51st



Laboratory surveillance:

A total of **6,925** specimens were collected and shipped to CPHL, regional and private labs. Out of which **164** specimens were confirmed for COVID-19, **12** samples were confirmed for Measles, **07** samples were confirmed for influenza (03 SARI and 04 ILI) in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 51st 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, **242** (6%) Severe Acute Respiratory Infections cases were reported and 63 were under 5 years old. The proportion of SARI cases were slightly decreased as compared to week 50th 2021. Nine 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 (44%), Kapisa and Bamyan were (18%) per province. In this epidemiological week, our field staff shipped **82** SARI and **59** ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **6,133** specimens were tested for suspected COVID-19. Out of which **164** 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 **7.2 %** compared to last week, (and 0.6% lab samples positivity rate increased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level was **24.7%**, which decreased 3.4% compared to last week.
- Out of **237** contacts of **99** 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 **64,694** 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 (1,042 measles cases and 03 deaths were reported in this week).
- Shortage of lab samples collection consumables and testing kits in majority of the provinces for COVID-19, Influenza and other epidemic prone diseases.

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
- RRTs should be functional again, to support the outbreak investigation and response for COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies.
- Regular supply for lab sample collection and testing kits for epidemic prone 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 **1,042** suspected Measles cases, with **03** deaths due to measles and 02 Neonatal Tetanus cases with 01 death reported 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.