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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 52nd

Date: 26/12/ 2021- 01/ Jan/ 2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 493 (95 %) have submitted reports this week.
- A total of 484,391 new consultations, 200,162 (41.3%) were due to Surveillance targeted diseases. That included 105,894 males (52.9%) and 94,268 females (47.1%). Also, 93,539 (46.7%) under five years old and 106,623 (53.3%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 134,573 cases (27.8%) out of total new consultations, Acute Diarrheal Diseases 32,359 cases (6.7%) out of total new consultations and Pneumonia, 27,974 cases (5.8%) out of total new consultations.
- A total of 202 deaths were reported this week, of which 61 were due to Surveillance targeted diseases, which includes 07 COVID-19 deaths, 48 Pneumonia deaths, 05 suspected measles deaths and 01 suspected meningitis/severely ill child death.
- A total of **1,019** Measles suspected cases with 06 deaths were reported in this week.
- During this week, **68** AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- Also, **22** Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported.
- In addition, during this week 11 outbreaks were reported (10 Measles outbreaks were reported from Kapisa, Badghis, Herat, Urozgan, Zabul, Kandahar, Sar-e-pul and Wardak provinces. One CCHF outbreak was reported from Sar-e-Pul province).
- Moreover, **205** COVID-19 confirmed cases reported at national level.

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

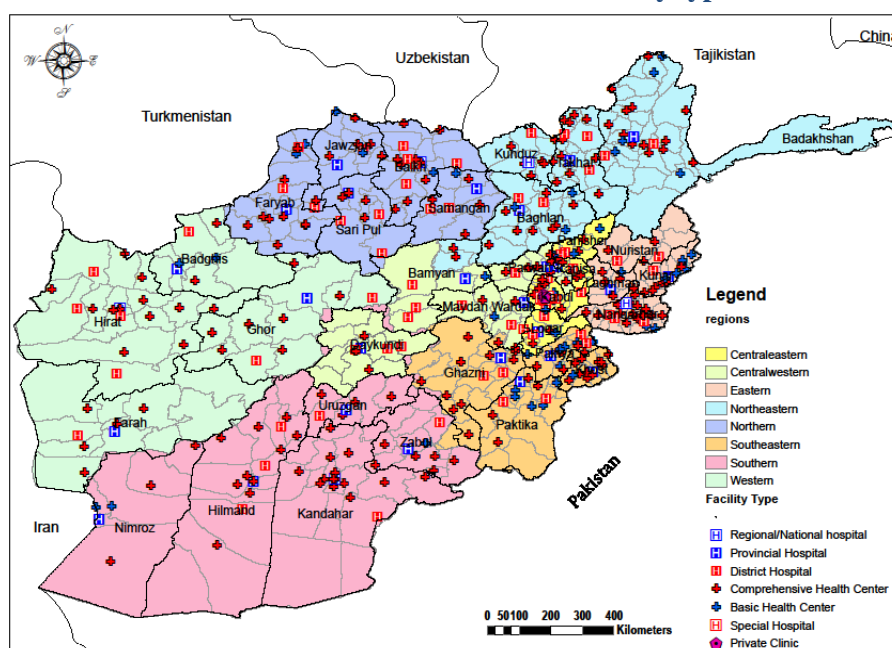


Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ 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

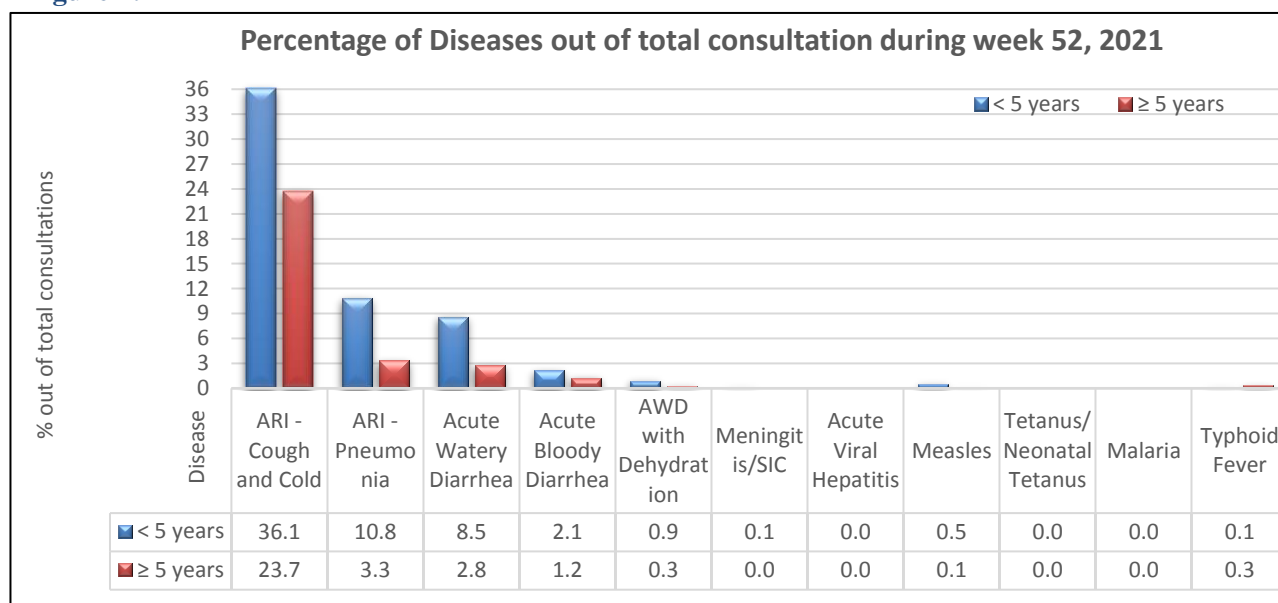


Figure 2: B

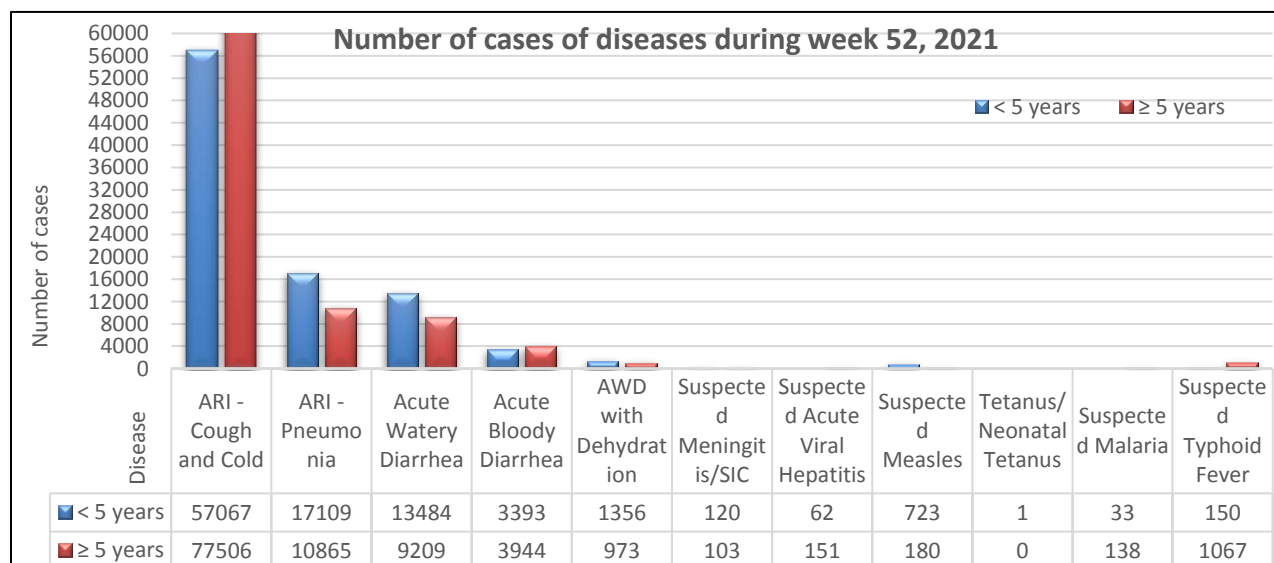


Table 2: Cases and deaths due to VPDs by age group during week 52nd, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles cases	723	180	903	05	0	05	0.55

Seasonal Diseases:

Figure 3: A

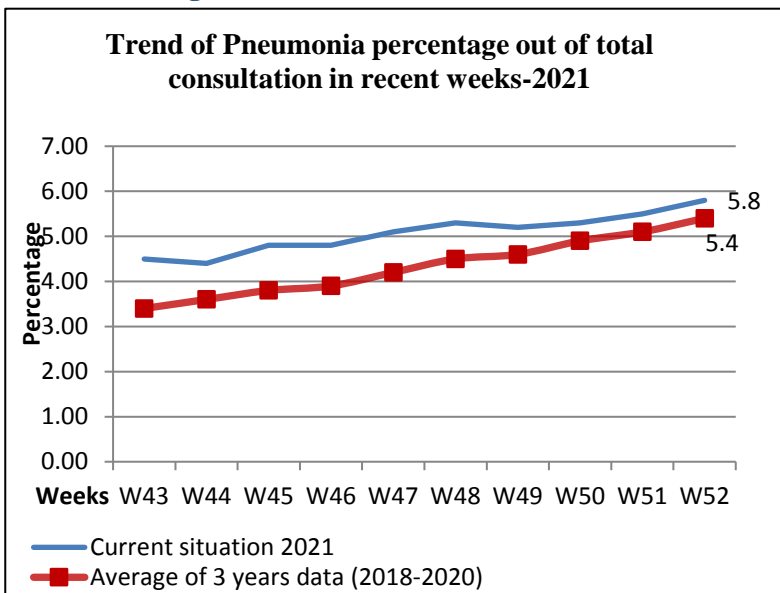


Figure 3: B

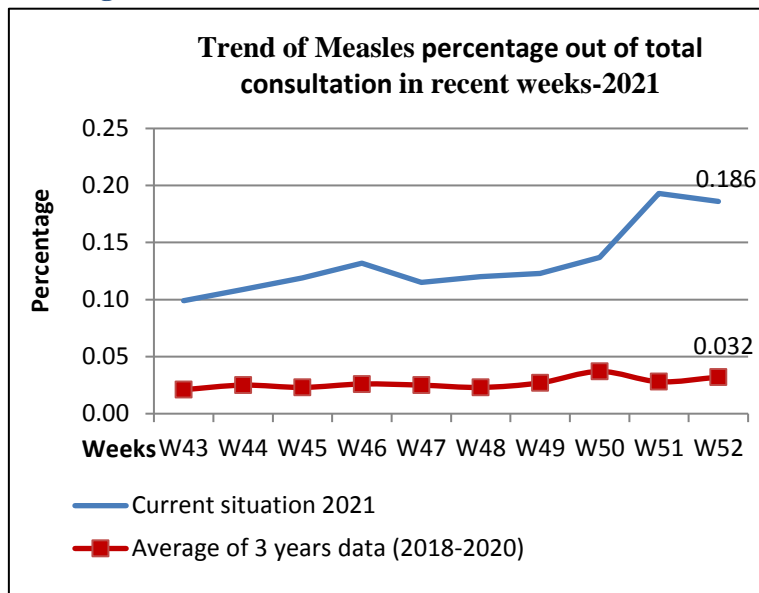


Figure 3: C

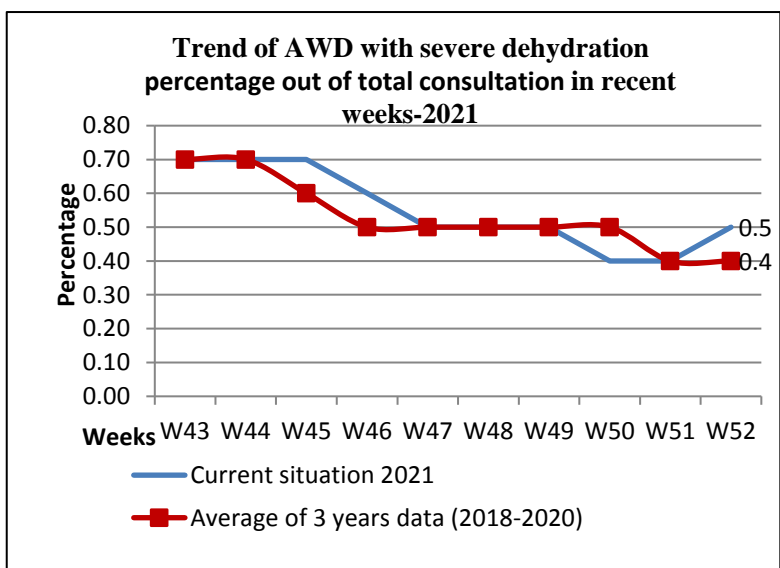


Figure 3: D

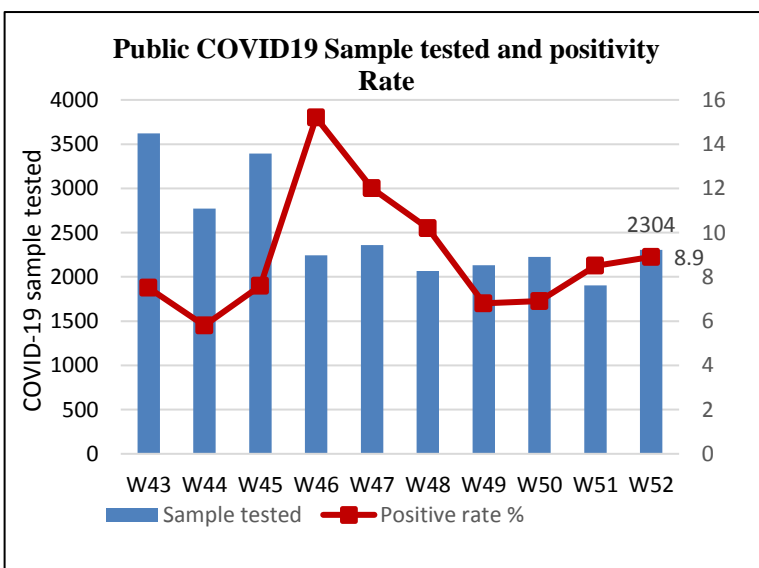


Table 3: Part of Outbreaks:

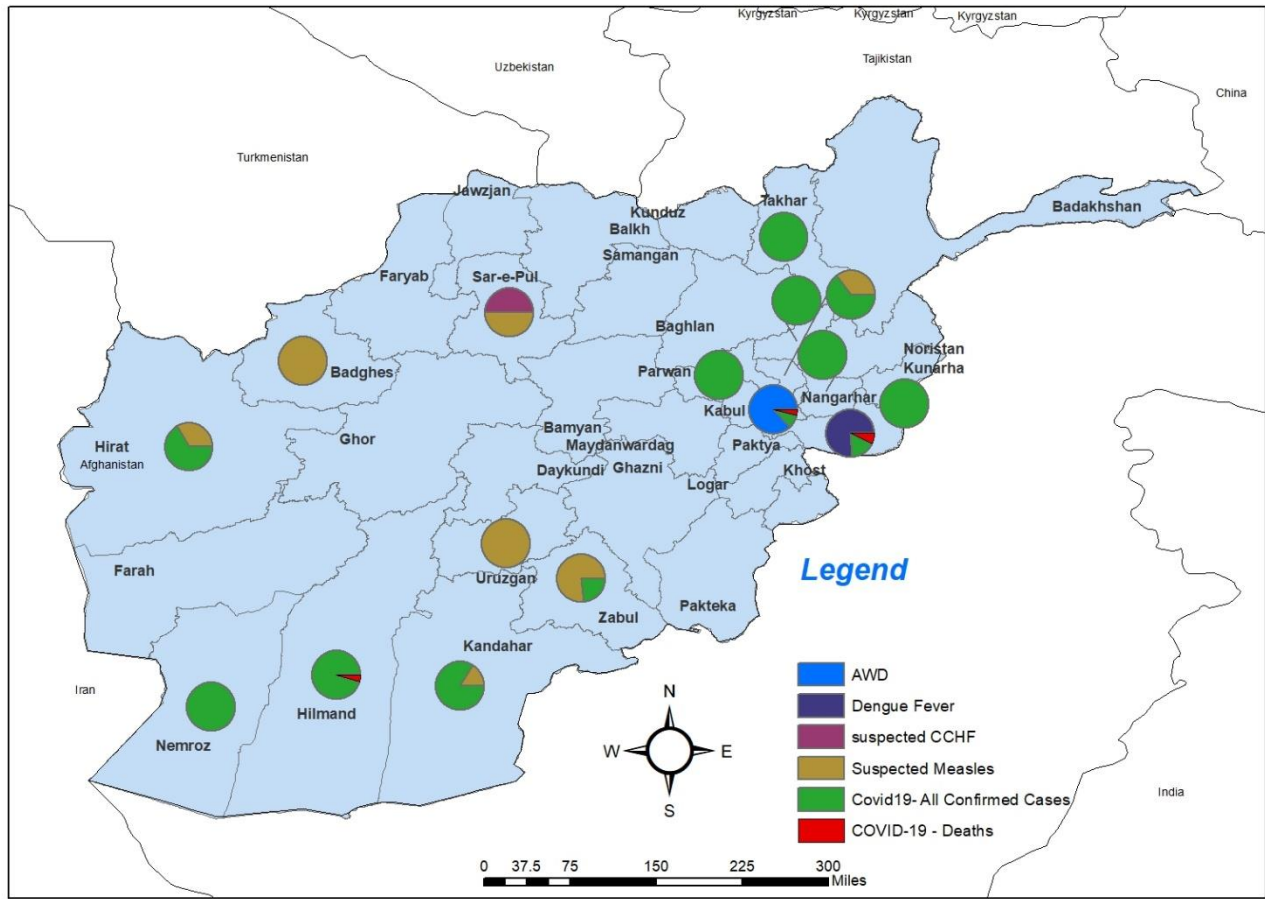
Follow up of AWD Outbreak (Kabul)									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken	
26/12/ 2021	Kabul	Kabul districts	Kabul	11	57	68	0	In this week, 68 AWD new cases epi-linked with Kabul province AWD outbreak reported, Active/daily 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	
26/12/2021	Nangarhar	Mohmandara	Different villages of Mohmandara district of Nangarhar province	1	21	22	0	During this week, 22 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.	
Suspected Measles outbreaks (Kapisa, Badghis, Herat, Urozgan, , Zabul, Kandahar, Sar -e- pul and Wardak provinces)									
Reported dated	Province	District	Village	<5 case s	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
27/12/2021	Kapisa	Mahmudraqi	Balochkhil	2	4	6	0	80%	In this week, 10 suspected Measles outbreaks were reported from Kapisa, Badghis, Herat, Urozgan, Zabul, Kandahar, Sar-e-pul and Wardak 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. Follow up reports will be shared
29/12/2021	Badghis	Bala morghab	Morichaq	22	9	31	0	0	
29/12/2021		Bala morghab	Juy khoja	18	0	18	0	0	
27/12/2021	Herat	Injil	B0land Shahi	4	4	8	0	0	
26/12/2021	Urozgan	Tarinkot	Yaklingah	7	6	13	0	80%	
26/12/2021	Zabul	Qalat	Sayed Jan	12	1	13	0	42%	
27/12/2021	Kandahar	Arghistan	Spinkalay	3	3	6	01	60%	
28/12/2021		Arghistan	Babezo	4	2	6	0	60%	
30/12/2021	Sar -e- Pul	Sancharak	Dara Zamchin	0	1	1	0	NA	
28/12/2021	Wardak	Narkh	Ahengarran	4	4	8	0	53%.	

Suspected CCHF cases (Sar e Pul province)								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
30/12/2021	Sar -e- pul	Sanchar ak	Dara Zamchin	01	0	30 Y	Worker	During this week 01 suspected CCHF case was reported from Sar-e-Pul province. Case management was done, health education session was conducted and the information was shared with the related departments and animal health as well to take the control and preventive measures. Also Blood specimen collected by the investigation team and sent to CPHL for Lab confirmation.

Table 4: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 01, Jan, 2022

Disease/Event	Count of Disease/ Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	147	62	1712	63
CCHF	87	21	87	5
Dog bites/Suspected Rabies	13	0	84	0
Acute Watery Diarrhea	3	2	4660	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	105997	5173
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	827	0
Gas (CO) Poisoning	1	0	18	0
Chickenpox	1	0	9	0
Leishmaniasis	1	0	29	0
Grand Total	279	88	113718	5254

Figure 4: Distributions of COVID-19, Dengue, AWD, Measles and CCHF cases and deaths during week 52nd



Laboratory surveillance:

A total of **6,606** specimens were collected and shipped to CPHL, regional and private labs. Out of which **205** specimens were confirmed for COVID-19, **122** samples were confirmed for Measles in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 52nd 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, 256 (5.4%) Severe Acute Respiratory Infections cases were reported and 61 were under 5 years old. The proportion of SARI cases were decreased as compared to week 51st 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 (35%), Bamyan (16%) and Kapisa (15%). In this epidemiological week, our field staff shipped 67 SARI and 44 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **6,054** specimens were tested for suspected COVID-19. Out of which **205** 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 **25 %** compared to last week, (and 0.7% lab samples positivity rate increased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level was **24.2%**, which decreased 0.5% compared to last week.
- Out of **371** contacts of **133** 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 **69,727** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz provinces).

Challenges:

- Suspected Measles cases and outbreaks are in the increasing trend (1,019 measles cases and 06 deaths were reported in this week).
- No lab capacity for the confirmation of the new COVID-19 variate (Omicron) in the country
- Shortage of lab samples collection consumables and testing kits in majority of the provinces for COVID-19, Influenza and other epidemic prone diseases.

Recommendations:

- Vaccination coverage for measles and other vaccine preventable diseases need to be improved
- CPHL should be supported for the confirmation of the new COVID-19 variate (Omicron)
- 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 **1,019** suspected Measles cases, with **06** deaths due to measles 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.