

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 21st

Date: 22-28 /05 / 2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 499 (96.1%) have submitted reports this week.
- A total of 545,128 new consultations, 211,813 (38.9%) were due to Surveillance targeted diseases. That included 112,713 males (53.2%) and 99,100 females (46.8%). Also, 105,157 (49.6%) under five years old and 106,656 (50.4%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 105,382 cases (19.3%) out of total new consultations, Acute Diarrheal Diseases 80,580 cases (14.8%) out of total new consultations, and Pneumonia, 18,037 cases (3.3%) out of total new consultations.
- A total of 192 deaths were reported this week, of which 52 deaths (27.1%) were due to Surveillance targeted diseases deaths, which include 30 Pneumonia deaths, 09 Suspected Measles deaths, 03 Acute Watery Diarrhea (AWD) deaths, 03 Suspected Meningitis/ Severely Ill Child deaths, 03 COVID-19 Deaths, 01 Acute Watery Diarrhea (AWD) with Dehydration death, 01 Suspected Acute Viral Hepatitis death, 01 Typhoid Fever death and 01 Pregnancy-related death.
- A total of **1,890** Measles suspected cases with **09** deaths were reported in this week.
- In addition, during this week 18 outbreaks (06 **Suspected CCHF** outbreaks were reported from Nimroz, Balkh, Herat and Farah provinces, 04 **Suspected Measles** outbreaks were reported from Kabul, Badakhshan, Wardak, Kapisa and Urozgan provinces, 03 **Suspected Chickenpox** outbreaks were reported from Wardak, Nimroz and Kabul provinces, 03 **suspected Pertussis** outbreaks were reported from Kandahar, Baghlan and Urozgan provinces. and 02 **Suspected Rabies/ Dog bites** outbreaks were reported from Wardak and Takhar provinces.
- Moreover, **457** COVID-19 confirmed cases were reported at the national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2022

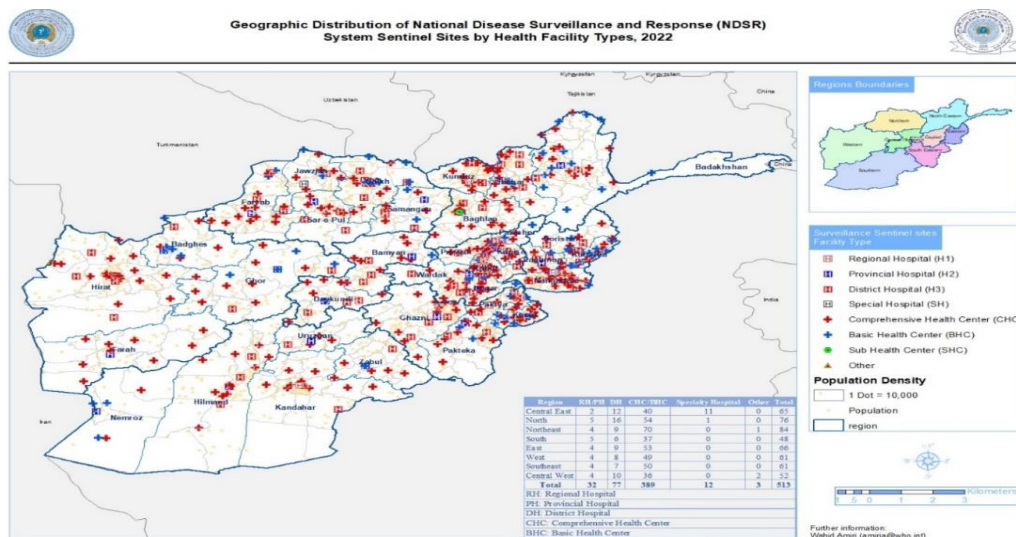


Table 1: Coverage of NDSR Surveillance System

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	1,106	2,093	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

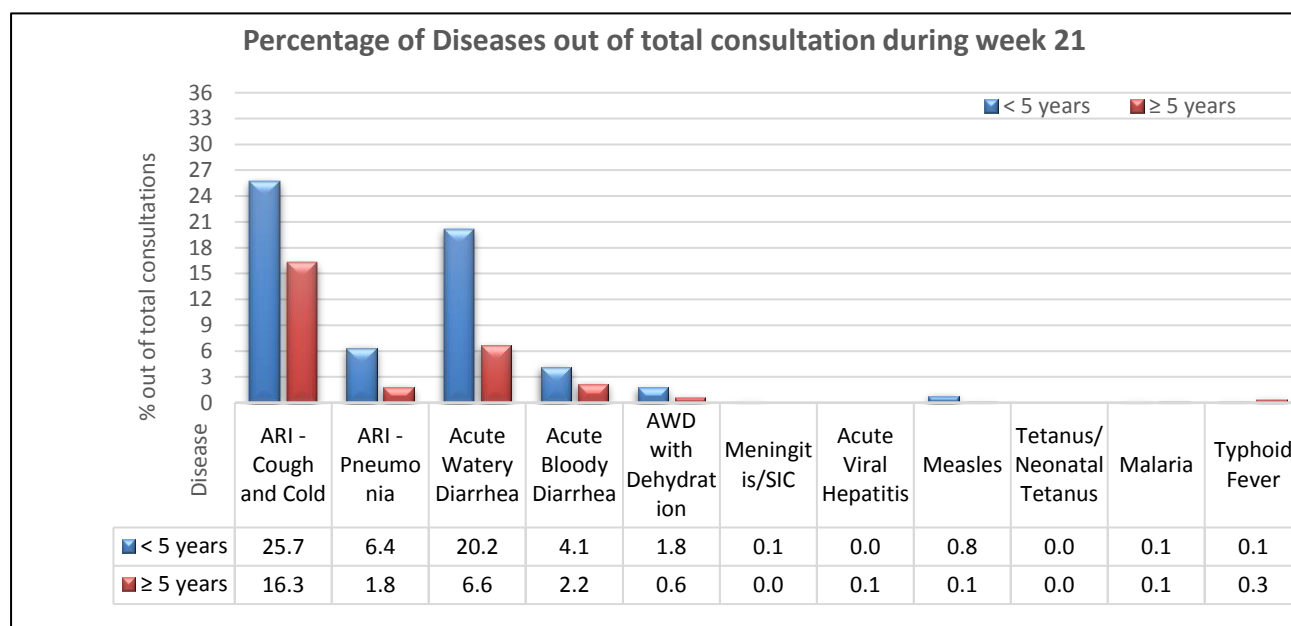


Figure 2: B

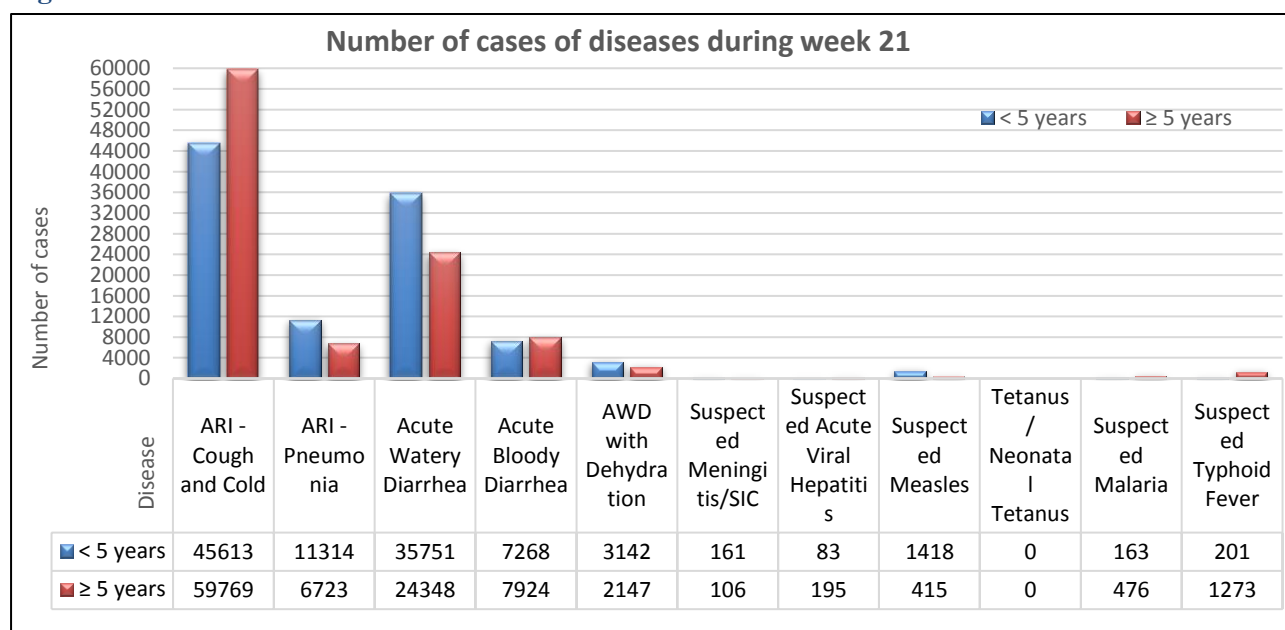


Table 2: Cases and deaths due to VPDs by age group during week 21st, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	1,418	415	1,833	8	0	8	0.44

Seasonal Diseases:

Figure 3: A

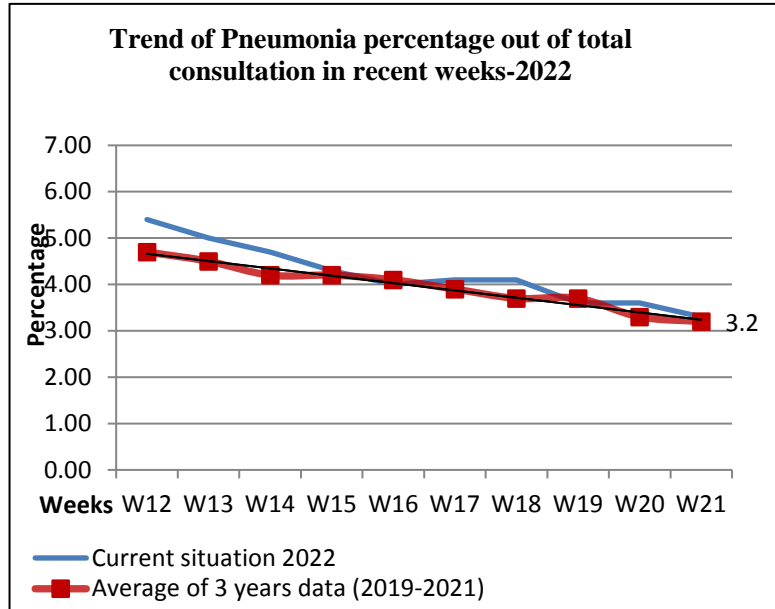


Figure 3: B

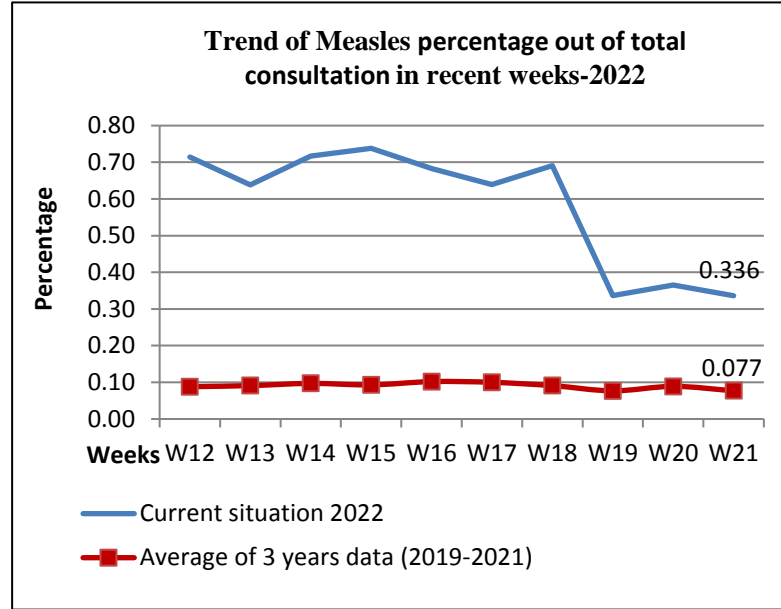


Figure 3: C

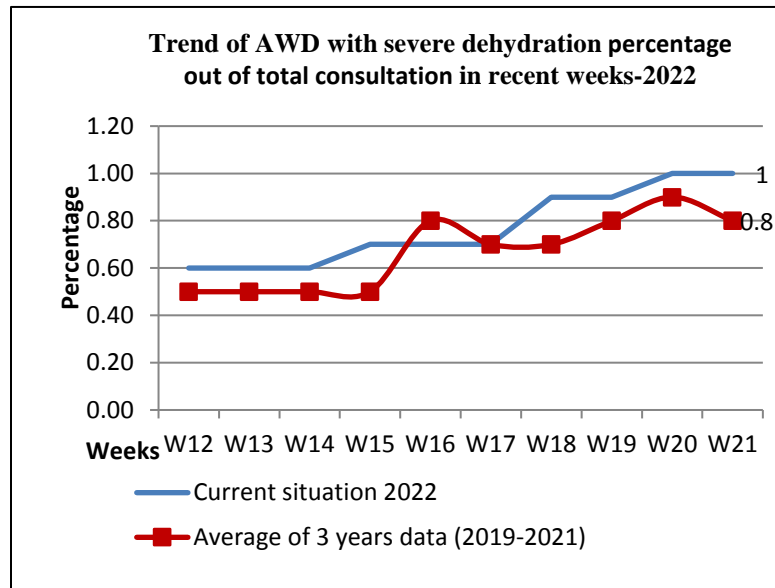


Figure 3: D

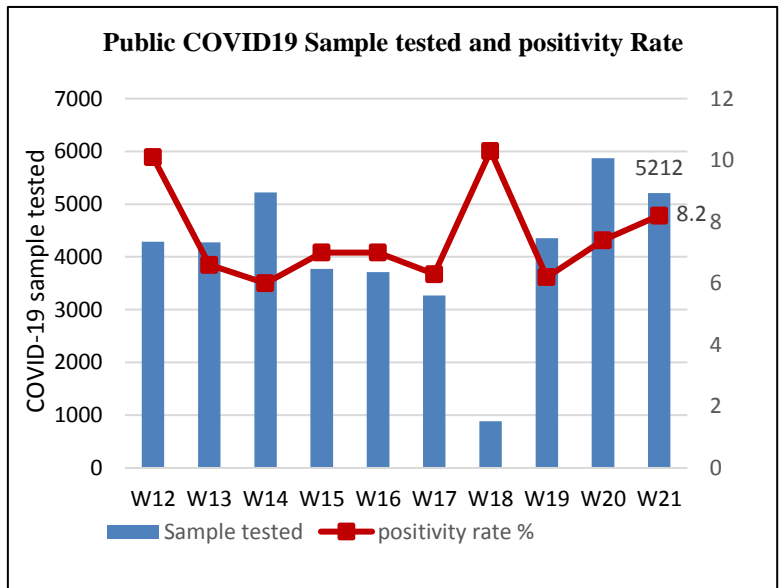


Table 3: Outbreaks in week 21st:

Suspected Measles outbreaks (Badakhshan, Wardak, Kapisa and Urozgan provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
18/05/2022	Badakhshan	Yaftal	Kosh darah	11	5	16	01	NA	NA	In this week, 04 suspected Measles outbreaks were reported from Badakhshan, Wardak, Kapisa and Urozgan provinces. The outbreaks were investigated, case management was done for all the cases. Also, health education sessions were conducted. Vaccination of children in the surrounding villages of the affected area is going on. Follow-up reports will be shared.
23/05/2022	Wardak	Central	Zarkak	2	9	11	0	77%	72%	
25/05/2022	Kapisa	Kohband	Dornama	6	3	9	0	70%	50%	
22/05/2022	Urozgan	Tarinkot	Khironkariz	15	6	21	0	80%	40%	

Suspected CCHF cases (Nimroz, Balkh, Herat and Farah Provinces)								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
27/05/2022	Nimroz	Zarang	Qala Mohammad	1	0	10	Other	During this week 06 suspected CCHF cases were reported from Nimroz, Balkh, Herat and Farah provinces. Case management were done for all the cases, health education sessions were conducted and the information was shared with related departments and animal health as well, to take the preventive and control measures.
25/05/2022	Balkh	Balkh	Balkh	1	0	16	Other	
28/05/2022	Herat	Area 3	Haji hashim street	1	0	22	Butcher	
28/05/2022		Area 11	Now Abad	1	0	20	Other	
28/05/2022	Farah	Farah rod	Barzaw	1	0	30	Farmer	
28/05/2022		Bala balock	Khadir	1	0	45	Housewife	

Suspected Pertussis outbreaks from (Kandahar, Baghlan and Urozgan provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
25/05/2022	Kandahar	KDR City	hakim sahib adda	6	0	During this week 03 suspected Pertussis outbreaks were reported from Kandahar, Baghlan and Urozgan provinces. Case management was done, and health education sessions were conducted for all the cases.
22/05/2022	Baghlan	Baghlan	Baghlan Sanati	8	0	
21/05/2022	Urozgan	Trinkot	Tori	7	0	

Suspected Chickenpox outbreak from (Wardak, Nimroz and Kabul province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
23/05/2022	Wardak	Central	Mala khil	7	0	During this week 04 Suspected Chickenpox outbreaks were reported from Wardak, Nimroz and Kabul provinces. Case management was done, health education sessions were conducted. And 02 samples were taken and shipped to CPHL for lab confirmation.
24/05/2022	Nimroz	Zarang	Pul-e-Abbreishim	2	0	
25/05/2022	Kabul	District 5	Niaz Big	3	0	

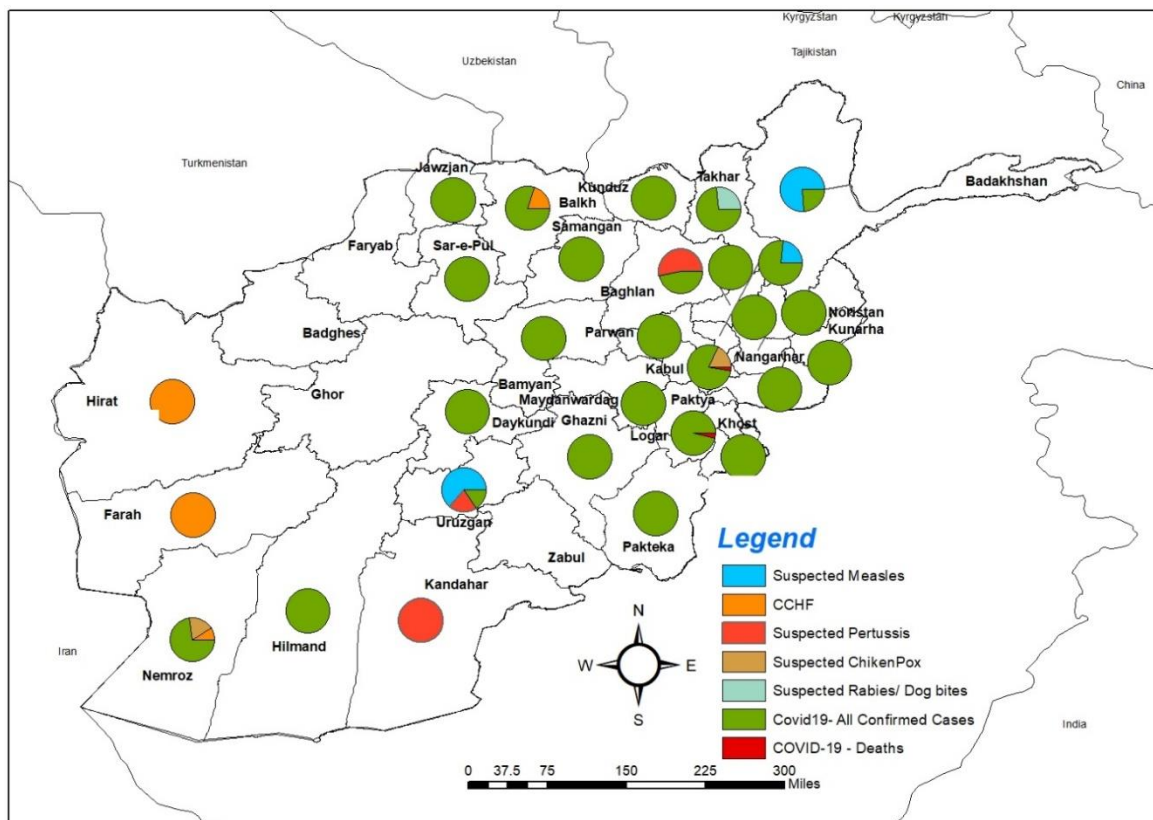
Suspected Rabies / Dog bites Outbreak (Wardak and Takhar provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
23/05/2022	Wardak	Central	Goda	6	0	During this week, 02 Suspected Rabies/ Dog bites outbreaks were reported from Wardak and Takhar provinces, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted. Moreover, investigation team cut the head of the dogs and shifted to Kabul for lab confirmation.
23/05/2022	Takhar	Farkhar	Farkhar	4	0	

Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 28, May 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	214	105	3,141	101
CCHF	50	8	50	4
Dog bites/Suspected Rabies	11	0	59	0
Pertussis	10	0	52	0
Acute Watery Diarrhea	7	3	168	0
Food poisoning	5	0	210	2
Scabies	4	0	71	0
Chickenpox	7	0	54	0
Leishmaniasis	2	0	56	0
Cat bite suspected rabies	1	0	4	0
Mumps	1	0	9	0
Diphtheria	1	0	1	0
Pneumonia	1	0	25	0
COVID-19	1	1	26,621	431
Grand Total	315	117	30521	538

Figure 4: Distributions of COVID-19, CCHF, suspected Measles, suspected Chickenpox, Suspected Pertussis, and Dog bites cases and deaths during week 21st



Laboratory surveillance:

A total of 7,686 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 457 specimens were confirmed for COVID-19, 136 specimens were confirmed for Measles, 08 specimens were confirmed for Malaria and 02 specimens were confirmed for Chickenpox in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 21st 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyán, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 174 (5.1%) Severe Acute Respiratory Infections cases were reported and 68% were under 5 years old. The proportion of SARI cases were slightly increased as compared to week 20th 2022. 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 Kapisa (24%), Kabul (23%) and Bamyán (10%) per province. In this epi-week, our field staff shipped 25 SARI and 17 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **6,472** specimens were tested for suspected COVID-19. Out of which **457** 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 increased **3.9%** compared to last week.
- Bed occupancy rate (BOR) at the national level was **54.6%**, which decreased 8.5% compared to last week.
- Out of **1,288** contacts of **314** confirmed cases that were mostly family members with an average of 4 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. In addition, health education was conducted for them, about **44,045** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

Challenges:

- Diarrheal diseases are in the increasing trend at national level, (especially the AWD outbreak in Kandahar province)
- Suspected chickenpox and CCHF cases are in the increasing trend
- Suspected Measles cases and outbreaks are in the increasing trend compared to previous year (in this week 1,890 measles cases and 09 deaths were reported).
- Shortage of lab samples collection consumables for AWD/suspected cholera in majority of the provinces.

Recommendations:

- Strong efforts and control measure are needed in Kandahar provinces for the control of AWD outbreak.
- Lab support is needed to distinguish the current cases coming to the HFs under the name of suspected monkeypox and suspected chickenpox cases
- Measles vaccination campaigns are needed to be conducted based on the outbreaks reported and also the routine vaccination coverage need to be improved
- Urgent supply of lab sample collection and testing kits for AWD is recommended and lab sample collection capacity needs to be strengthened and expanded to all the districts and surveillance sentinel sites.

- **EPI:** As the system detected **1,890** suspected Measles cases, with **09** deaths due to measles, 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.