

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 23rd

Date: 05-11/06/2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 499 (96.1%) have submitted reports this week.
- A total of 559,441 new consultations, 216,983 (38.8%) were due to Surveillance targeted diseases. That included 115,176 males (53.1%) and 101,807 females (46.9%). Also, 105,054 (48.4%) under five years old and 111,929 (51.6%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 103,672 cases (18.5%) out of total new consultations, Acute Diarrheal Diseases 87,188 cases (15.6%) out of total new consultations, and Pneumonia, 17,292 cases (3.1%) out of total new consultations.
- A total of 212 deaths were reported this week, of which 54 deaths (24%) were due to Surveillance targeted diseases deaths, which include 33 Pneumonia deaths, 08 Suspected Measles deaths, 04 Acute Watery Diarrhea (AWD) deaths, 04 Suspected Hemorrhagic Fever deaths, 02 Suspected Meningitis/ Severely Ill Child deaths, 01 Suspected Acute Viral Hepatitis death, 01 Tetanus/ Neonatal tetanus death and 01 COVID-19 death.
- A total of **1,919** Measles suspected cases with **08** deaths were reported in this week.
- In addition, during this week 28 outbreaks (15 **suspected CCHF** cases were reported from Herat, Kunduz, Nangarhar, Balkh, Baghlan, Kabul, Takhar and Helmand provinces, 04 **suspected Measles** outbreaks were reported from Khost, Nuristan, Paktya and Parwan provinces, 03 **suspected Pertussis** outbreaks were reported from Takhar, Wardak and Urozgan provinces. 02 **Food poisoning** outbreaks were reported from Paktika and Nuristan provinces. 01 **Suspected Chickenpox** outbreak was reported from Herat province. 01 **Dog bites/ Suspected Rabies** outbreak was reported from Takhar province. 01 **AWD** outbreak was reported from Ghazni province and 01 **Leishmaniasis** outbreak was reported from Wardak province.
- Moreover, **463** COVID-19 confirmed cases were reported at the national level.

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

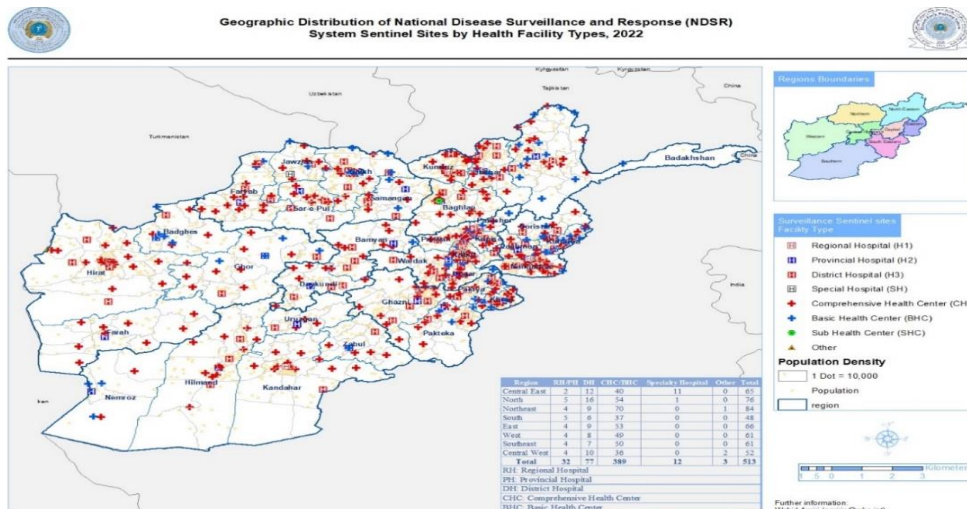


Table 1: Coverage of NDSR Surveillance System

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

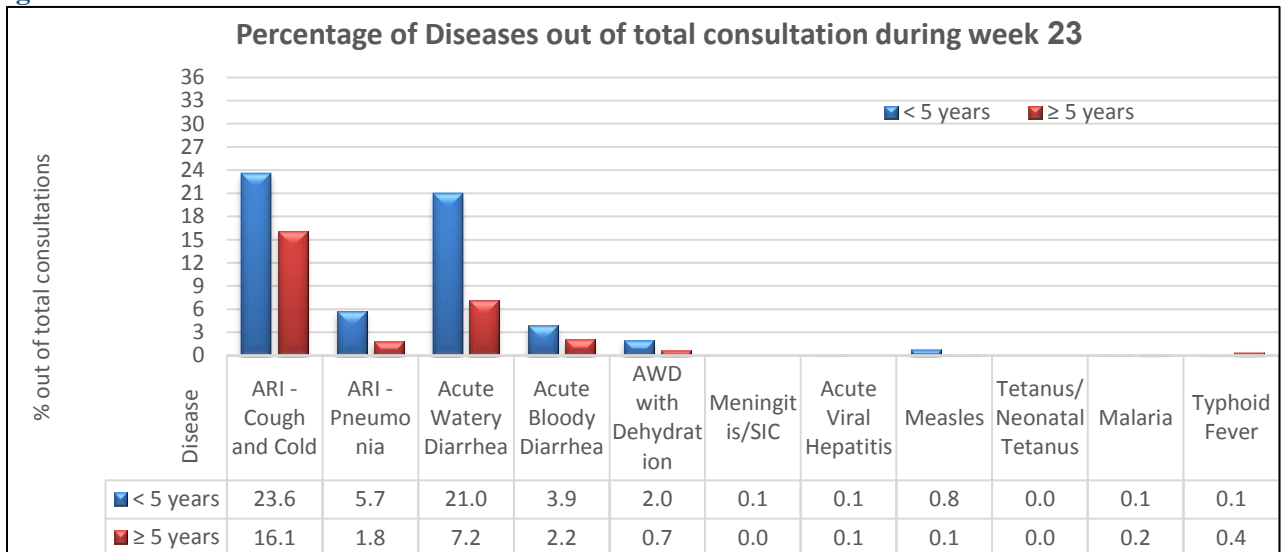


Figure 2: B

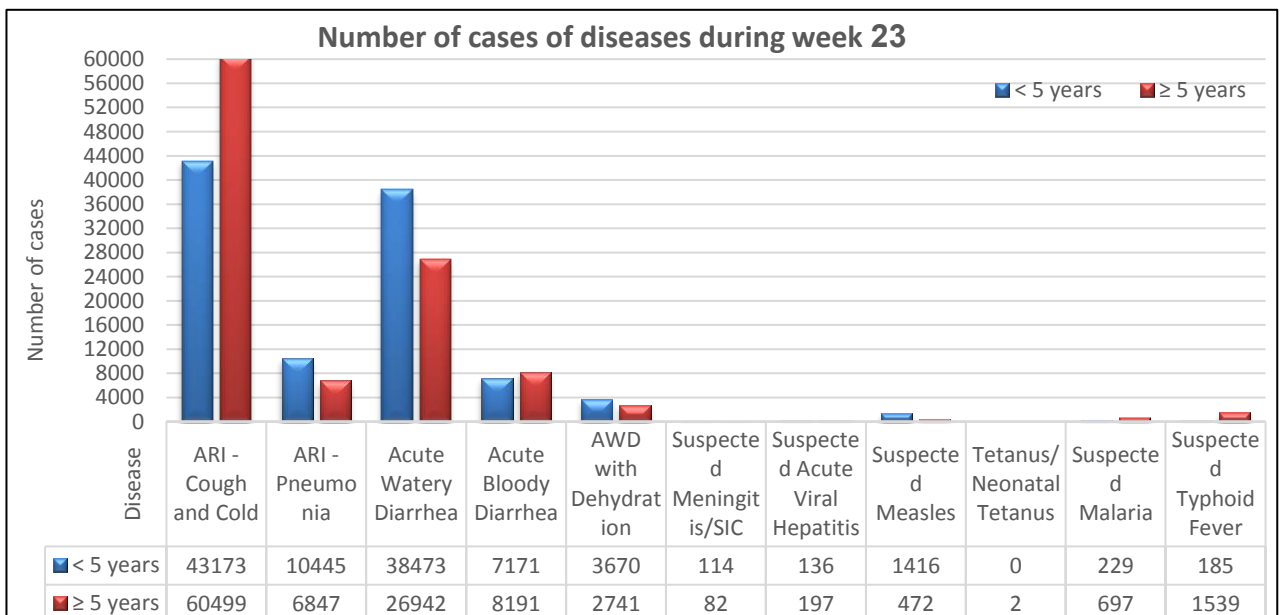


Table 2: Cases and deaths due to VPDs by age group during week 23rd, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	1416	472	1888	5	0	5	0.26

Seasonal Diseases:

Figure 3: A

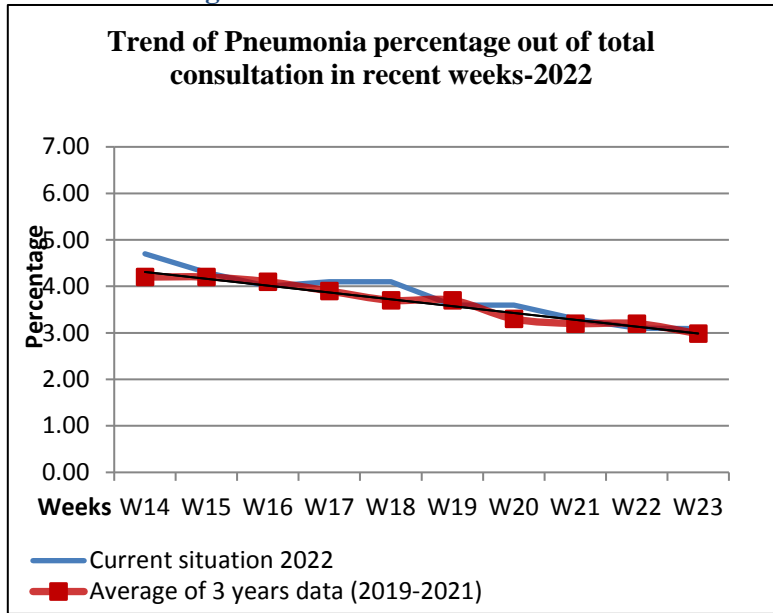


Figure 3: B

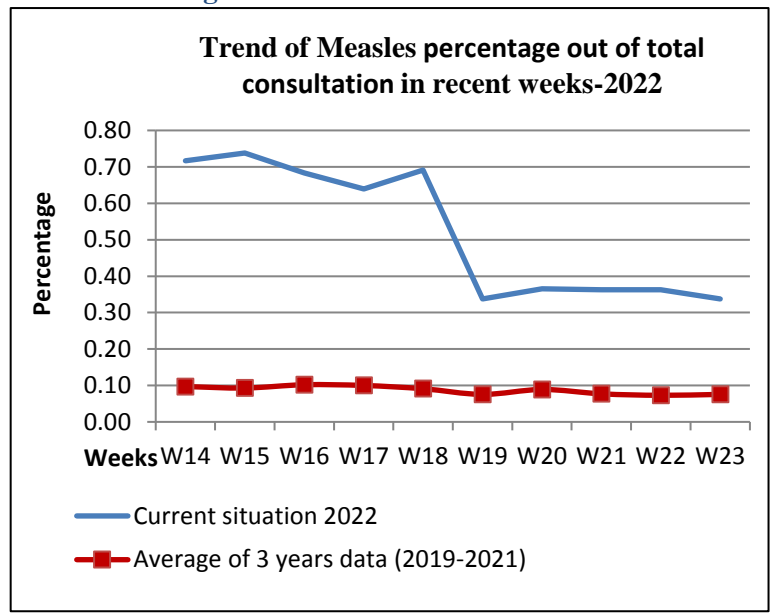


Figure 3: C

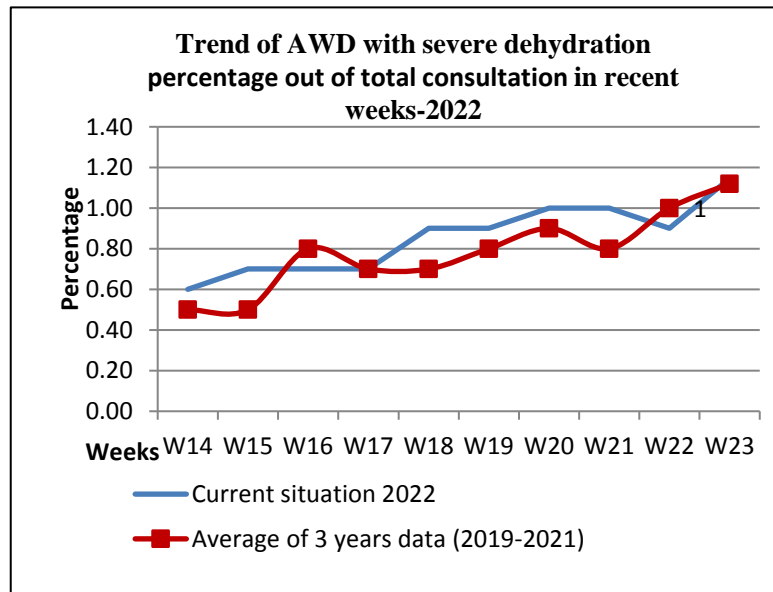


Figure 3: D

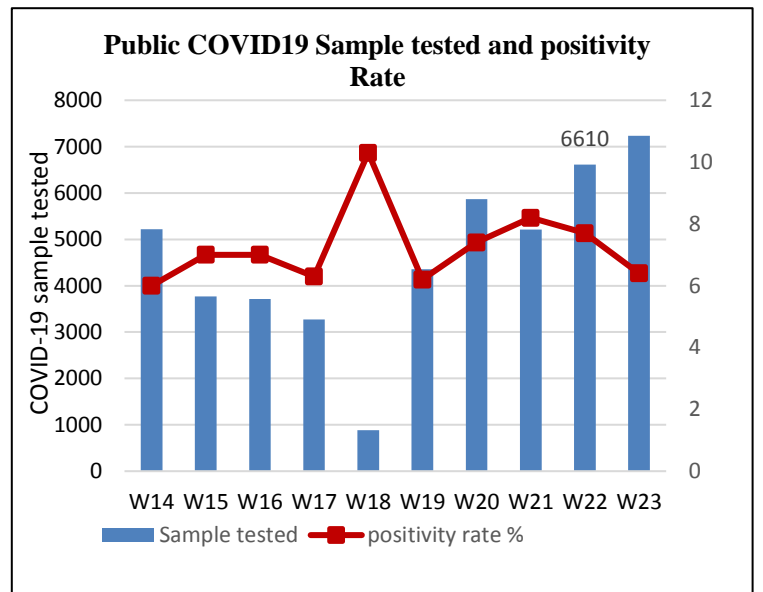


Table 3: Outbreaks in week 23rd:

Suspected Measles outbreaks (Khost, Nuristan, Paktya and Parwan provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
08/06/2022	khost	Alisher	kadam	5	0	5	0	56%	46%	In this week, 04 suspected Measles outbreaks were reported from Khost, Nuristan, Paktya and Parwan 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.
05/06/2022	Nuristan	paroon	Asteve	4	4	8	2	N/A	N/A	
05/06/2022	Paktya	Ahmadaba	Shikhan	6	6	12	0	60%	30%	
06/05/2022	Parwan	Charikar	khawaa siaran	5	1	6	1	0%	42%	

Suspected CCHF cases (Herat, Kunduz, Nangarhar, Balkh, Baghlan, Kabul, Takhar and Helmand Provinces)									
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken	
04/06/2022	Baghlan	Pulikhumri	Qari Mohd Hussian	1	0	69Y	Other	During this week 15 suspected CCHF cases were reported from Herat, Kunduz, Nangarhar, Balkh, Baghlan, Kabul, Takhar and Helmand 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.	
06/06/2022	Kunduz	Emam sahib	Qeyam Tamshak	1	0	35Y	Shepherd		
05/06/2022	Nangarhar	Kama	Dehghazi	2	0	30Y	Butcher		
						50Y	Butcher		
04/06/2022	Balkh	Mazar-i-Sharif	5th district	1	0	65Y	Other		
07/06/2022		Sholgarah	Yaka Tot	1	0	65Y	Farmer		
05/06/2022		Dedadi	Poshti Bagh	1	0	42Y	Other		
09/06/2022		Dedadi	Nawabad	1	0	30Y	Farmer		
06/06/2022	Kabul	Kabul	Chawk Aspa	1	0	20Y	Other		

06/01/2022		District 12	Arzan Qemat	1	0	38Y	Other
06/01/2022	Takhar	Taluqan	Taluqan	1	0	18Y	Other
06/01/2022	Helmand	Marja	Marja	1	0	25Y	Farmer
04/06/2022	Herat	Ghoryan	Rowzanak	1	0	45Y	Housewife
05/06/2022		City	Area 7	1	0	18Y	Housewife
10/06/2022		Area 2	Spen ada	1	0	20Y	Worker
10/06/2022		City	Area 7	1	0	18Y	Housewife

Suspected Chickenpox outbreak from (Herat province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
06/06/2022	Herat	Injil	Kuhdistan	13	0	During this week 01 Suspected Chickenpox outbreak was reported from Herat province. Case management was done, health education session was conducted

Food poisoning outbreak (Paktika and Nuristan Province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
07/06/2022	Paktika	Khair kot	Mohammad Hasan	11	0	During this week 02 Food poisoning outbreaks were reported from Paktika and Nuristan provinces. Case management was done, health education sessions were conducted for all the cases.
06/06/2022	Nuristan	Paroon	Pronz	8	0	

Dog bites / Suspected Rabies Outbreak (Takhar province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
05/06/2022	Takhar	Taliqan	Khatayan	4	0	During this week, 01 Dog bites/Suspected Rabies outbreak was reported from Takhar province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted. Moreover, investigation team cut the head of the dogs and shifted to Kabul for lab confirmation.

Suspected Pertussis outbreaks from (Takhar, Wardak and Urozgan provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
05/06/2022	Takhar	Taluqan	Balack Aorta Baz	6	0	During this week 03 Suspected Pertussis outbreaks were reported from Takhar, Wardak and Urozgan provinces. Case management was done, health education sessions were conducted for all the cases.
05/06/2022	Wardak	Central	khedran	8	0	
04/06/2022	Urozgan	Tarinkot	Sajwall	8	0	

Acute Watery Diarrhea outbreak from (Ghazni provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
06/06/2022	Ghazni	Giroo	Bartor	264	0	During this week 01 AWD outbreak was reported from Ghazni province. All preventive measures and case management was done, and health education sessions were conducted for all the cases.

Leishmaniasis outbreak from (Wardak province)

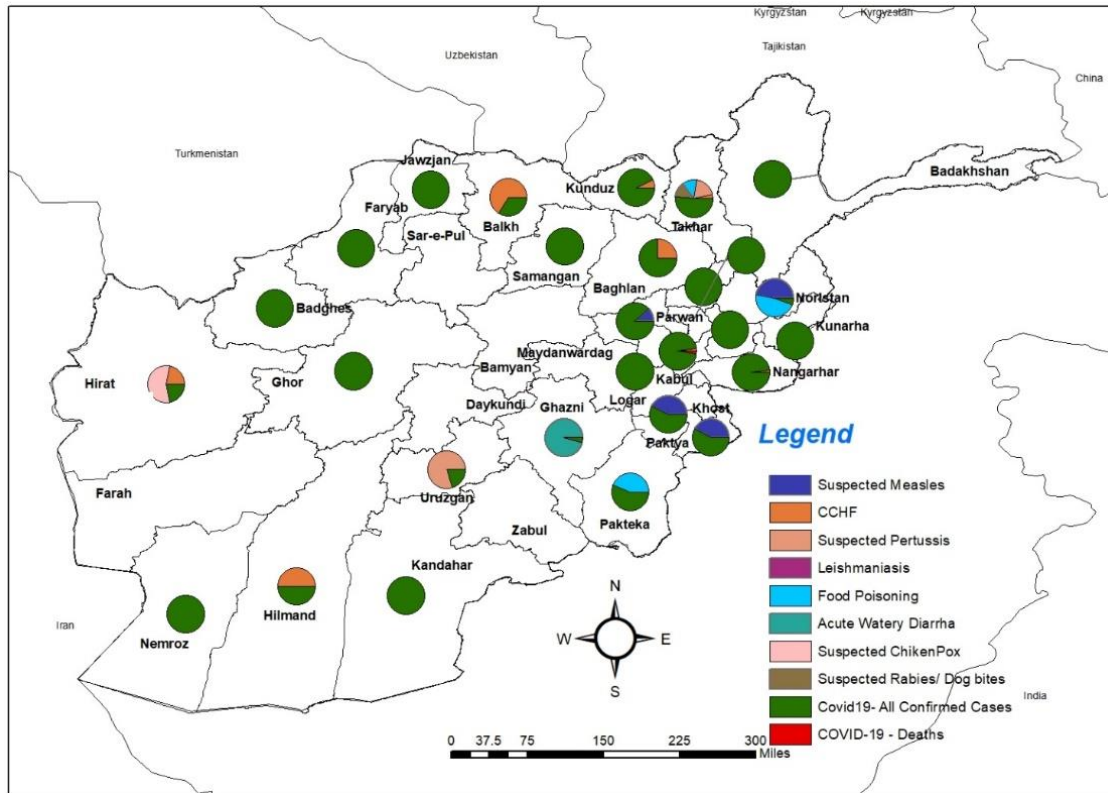
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
04/06/2022	Wardak	Central	Drabal	11	0	During this week 01 Leishmaniasis outbreak was reported from Wardak province. Case management was done, health education sessions were conducted.

Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 11, Jun 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	220	105	3,185	101
CCHF	79	8	79	6
Dog bites/Suspected Rabies	13	0	72	0
Pertussis	13	0	74	0
Acute Watery Diarrhea	8	3	432	0
Food poisoning	7	0	229	2
Scabies	5	0	78	0
Chickenpox	9	0	73	0
Leishmaniasis	3	0	67	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	27,133	439
Grand Total	362	117	31461	548

Figure 4: Distributions of COVID-19, CCHF, suspected Measles, suspected Chickenpox, Rabies/ Dog bites, Leishmaniasis, Acute Watery Diarrhea, Food poisoning and Suspected Pertussis outbreaks, cases and deaths during week 23rd



Laboratory surveillance:

A total of 8,350 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 463 specimens were confirmed for COVID-19, 97 specimens were confirmed for Measles, 10 specimens were confirmed for Malaria, 11 specimens were confirmed for Acute Watery Diarrhea in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 23rd 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 159 (4.4%) Severe Acute Respiratory Infections cases were reported and 70% were under 5 years old. The proportion of SARI cases were same as compared to week 22nd 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 Bamyan (15.7%), Kapisa (16%) and Kabul (15%) province. In this epi-week, our field staff shipped 24 SARI and 18 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **8,232** specimens were tested for suspected COVID-19. Out of which **463** 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 decreased **9.6%** compared to last week.
- Bed occupancy rate (BOR) at the national level was **51.4%**, which decreased 1.3% compared to last week.
- Out of **1,039** contacts of **322** 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 **51,443** 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 and Ghazni provinces)
- Suspected chickenpox and CCHF cases are in the increasing trend
- Suspected Measles cases and outbreaks are in the increasing trend compared to previous years (in this week 1,818 measles cases and 08 deaths were reported).
- Shortage of lab samples collection consumables for AWD/suspected cholera in majority of the provinces.

Recommendations:

- Strong efforts and control measures are needed in Kandahar and Ghazni 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 conduct based on the outbreaks reported and also the routine vaccination coverage is also needed to improve.
- 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 **1,919** suspected Measles cases, with **08** 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.