

Summary:

- Out of **519** functional Surveillance sentinel sites, **510 (98.3%)** have submitted reports this week.
- A total of **553,980** new consultations, **218,495 (39.4%)** were due to Surveillance targeted diseases. That included **116,658 (53.4%)** males and **101,837 (46.6%)** females. Also, **105,922 (48.5%)** under five years old and **112,573 (51.5%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **124,742 (22.5%)** cases out of total new consultations, Acute Diarrheal Diseases **63,304 (11.4%)** cases out of total new consultations, and Pneumonia **22,709 (4.1%)** cases out of total new consultations.
- A total of **210** deaths were reported this week, of which **57 (27.1%)** deaths were due to Surveillance targeted diseases, which include **49** Pneumonia deaths, **05** COVID-19 deaths, **02** suspected Meningitis/ Severely Ill Child deaths and **01** Acute Watery Diarrhea (AWD) with Dehydration death.
- In addition, during this week **24 outbreaks** were reported (**08 Dengue Fever** outbreaks were reported from Logar, Kabul, Paktya and Paktika Provinces, **05 Suspected CCHF** outbreaks were reported from Kabul, Kapisa, Kunduz and Balkh provinces, **05 Suspected Measles** outbreak were reported from Urozgan, Kabul, Khost and Paktya, **03 AWD** outbreaks were reported from Helmand, Laghman and Badakhshan Provinces, **02 Confirmed Malaria** outbreaks were reported from Nangarhar and Kandahar provinces and **01 Suspected Chickenpox** outbreak was reported from Kabul province).
- Moreover, **824** COVID-19 confirmed cases and **608** suspected Measles cases were reported at the national level.

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

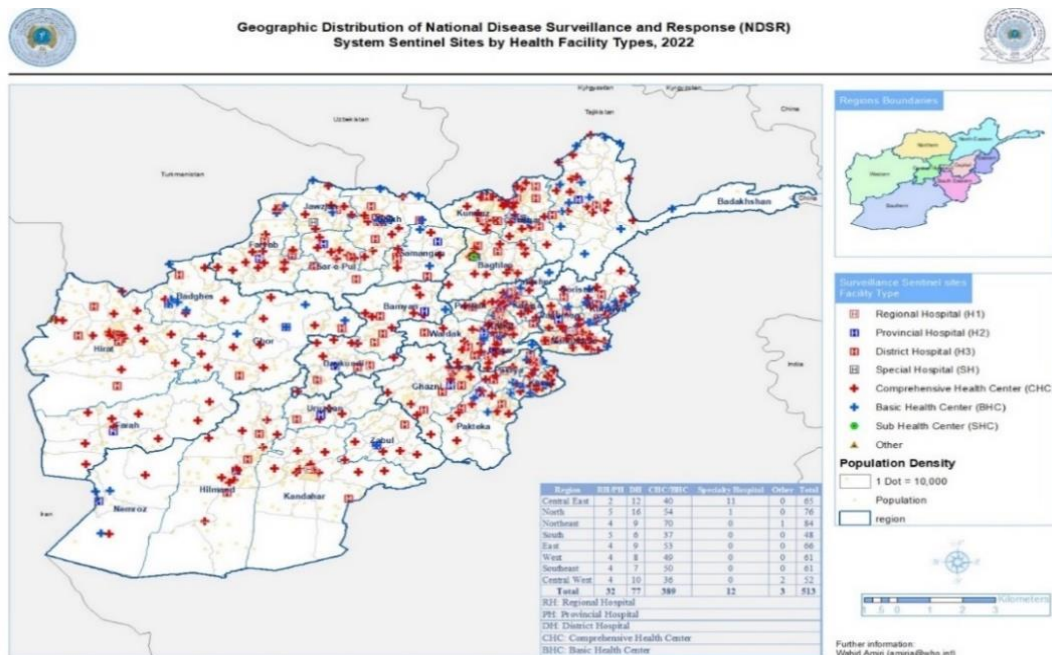


Table 1: Coverage of NDSR Surveillance System

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

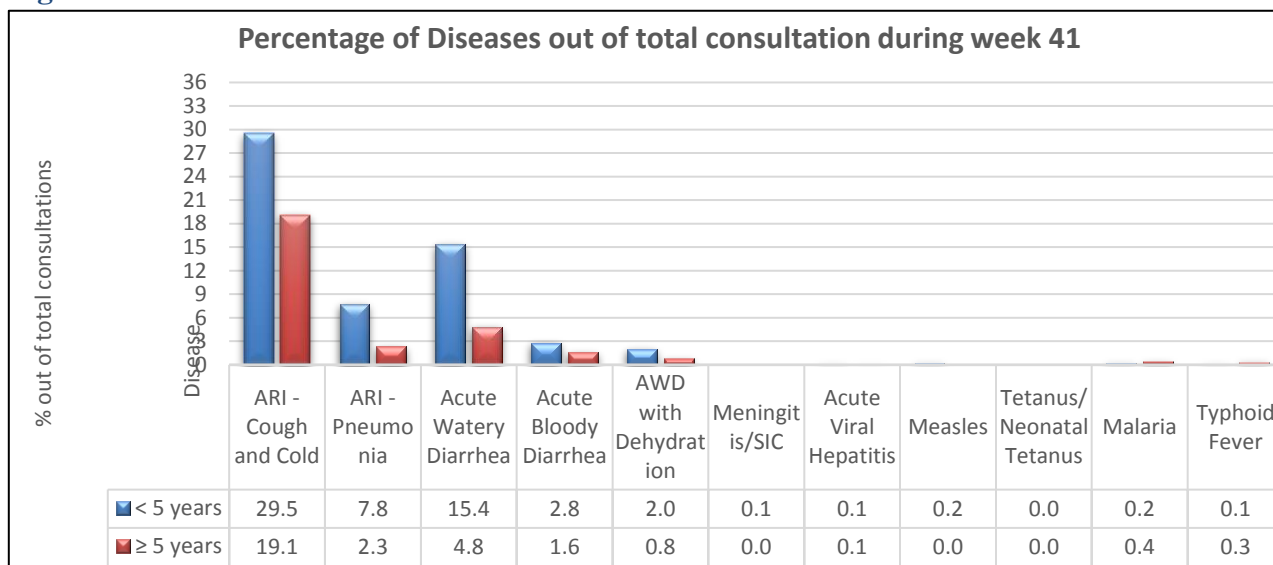


Figure 2: B

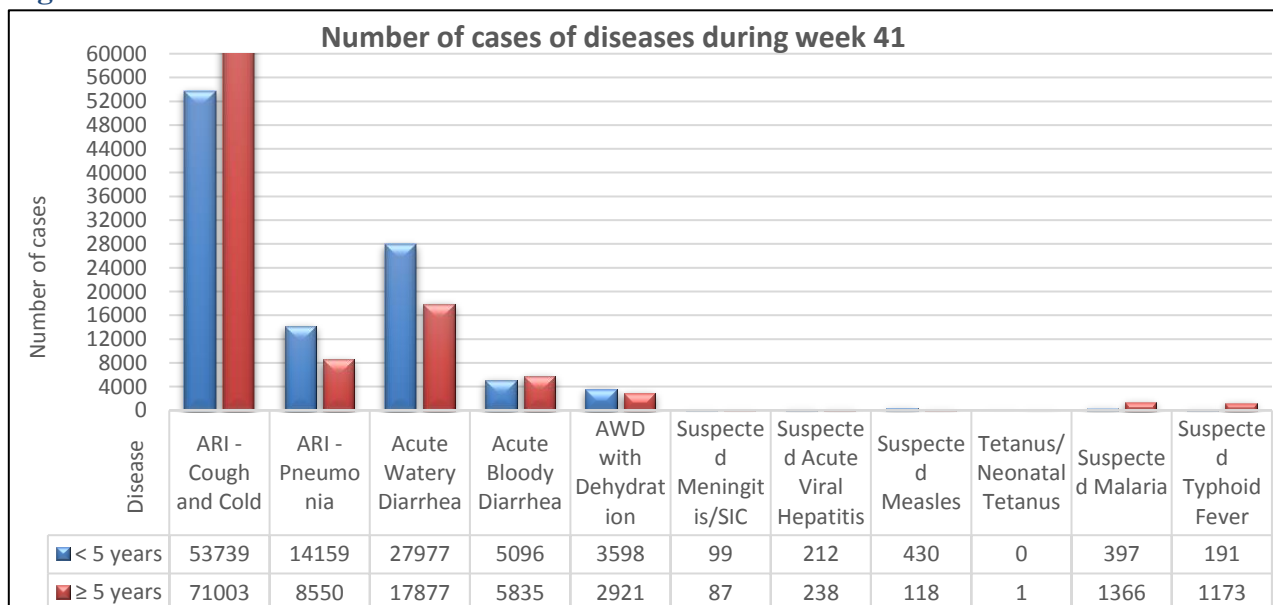


Table 2: Cases and deaths due to VPDs by age group during week 41st 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	430	118	548	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

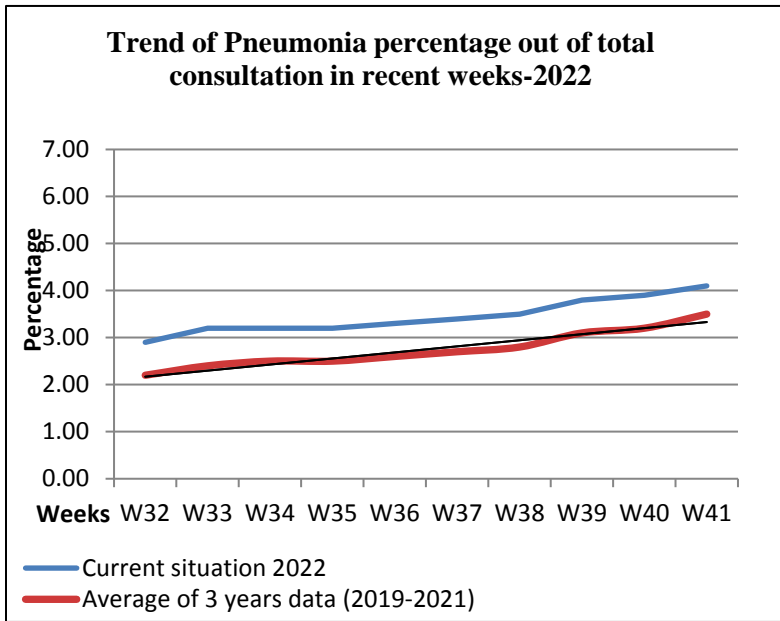


Figure 3: B

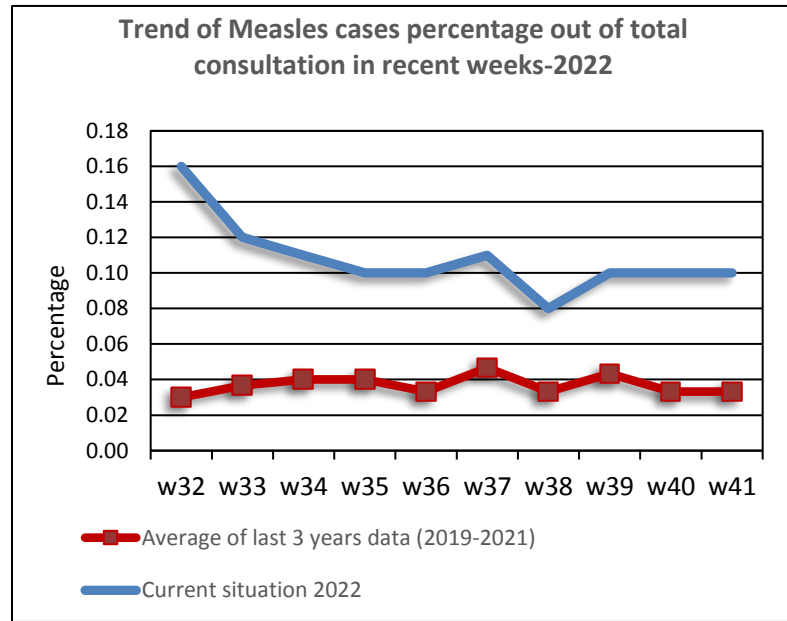


Figure 3: C

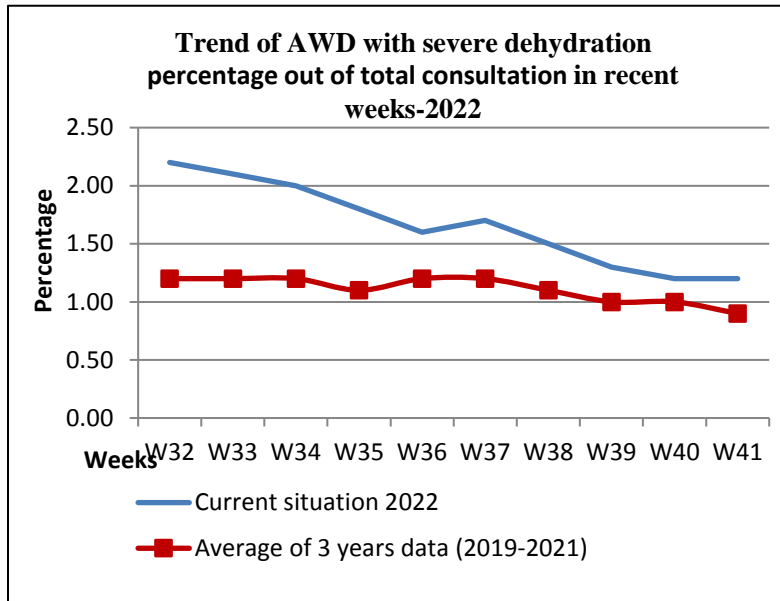


Figure 3: D

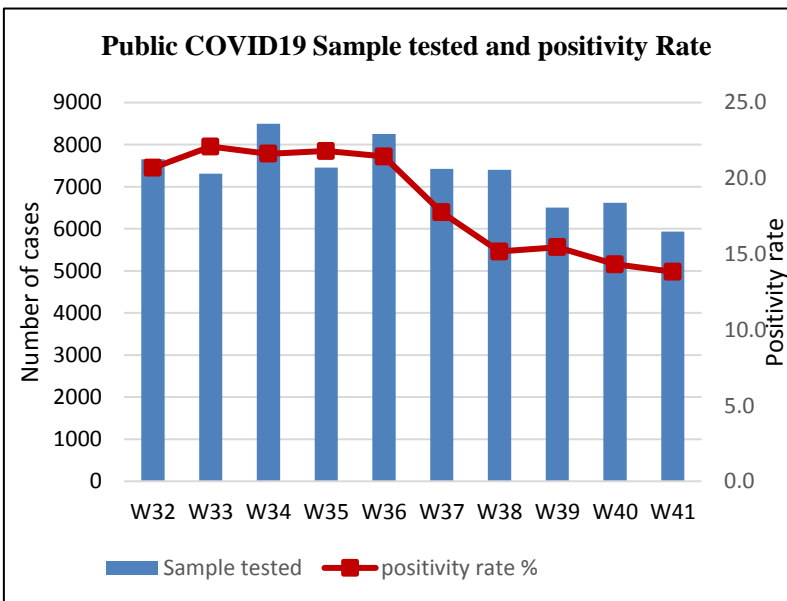


Table 3: Outbreaks in week 41st:

Dengue Fever outbreaks from (Logar, Kabul, Paktya, and Paktika) provinces										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
10/10/2022	Logar	Khwoshi	Dew Bandi	1	0	<p>During this week 08 Dengue fever outbreaks were reported from Logar, Kabul, Paktya and Paktika provinces.</p> <p>Case management was done. Health education sessions were conducted for all the cases.</p>				
10/10/2022		Khwoshi	Dew Bandi	1	0					
10/10/2022		Khwoshi	Dew Bandi	1	0					
10/10/2022		Khwoshi	Dew Bandi	1	0					
09/10/2022	Kabul	Bagrami	Sharake Afghan	1	0			<p>During this week 05 suspected CCHF cases were reported from Kabul, Kapisa, Kunduz and Balkh provinces.</p> <p>Case management was 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 preventive and control measures.</p>		
10/10/2022		District 7	Karte Char	1	0					
09/10/2022	Paktya	Ahmad Aba	Ahmad Khil	1	0					
12/10/2022	Paktika	Zeroka	Macluk	1	0					
Suspected CCHF Cases (Kabul, Kapisa, Kunduz and Balkh) provinces										
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation			Recommendation/Action taken
13/10/2022	Kabul	District 11	Paktya Koot	1	0	22Y	Other			<p>During this week 05 suspected CCHF cases were reported from Kabul, Kapisa, Kunduz and Balkh provinces.</p> <p>Case management was 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 preventive and control measures.</p>
12/10/2022		Shakardara	Saraie Shamali	1	0	65Y	Shepherd			
11/10/2022	Kapisa	Kohistan-2	Tay Poshta	1	0	22Y	Butcher			
09/10/2022	Kunduz	Emam sahib	Toot Mazar	1	0	24Y	Other			
15/10/2022	Balkh	Mazar-i-Sharif	Noor Khoda	1	0	54Y	Farmer			

Suspected Measles outbreaks (Urozgan, Kabul, Khost and Paktya) provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
09/10/2022	Urozgan	Tarin kot	Wani	13	0	13	0	65%	40%	In this week, 05 suspected Measles outbreaks were reported from Urozgan, Kabul, Khost, and Paktya provinces. The outbreaks were investigated, case management was done for all the cases. Also, health education session was conducted. Vaccination of children in the surrounding villages of the affected area is going on.
10/9/2022	Kabul	District 8	Karte Naw	3	1	4	0	NA	0	
10/10/2022	Khost	Mando zi	Madyan	7	9	16	0	44%	39%	
09/10/2022	Paktya	Zurmat	Sorkhrood	7	8	15	0	N/A	N/A	
10/10/2022		Gardez	Niazi Kala	3	9	12	0	N/A	N/A	

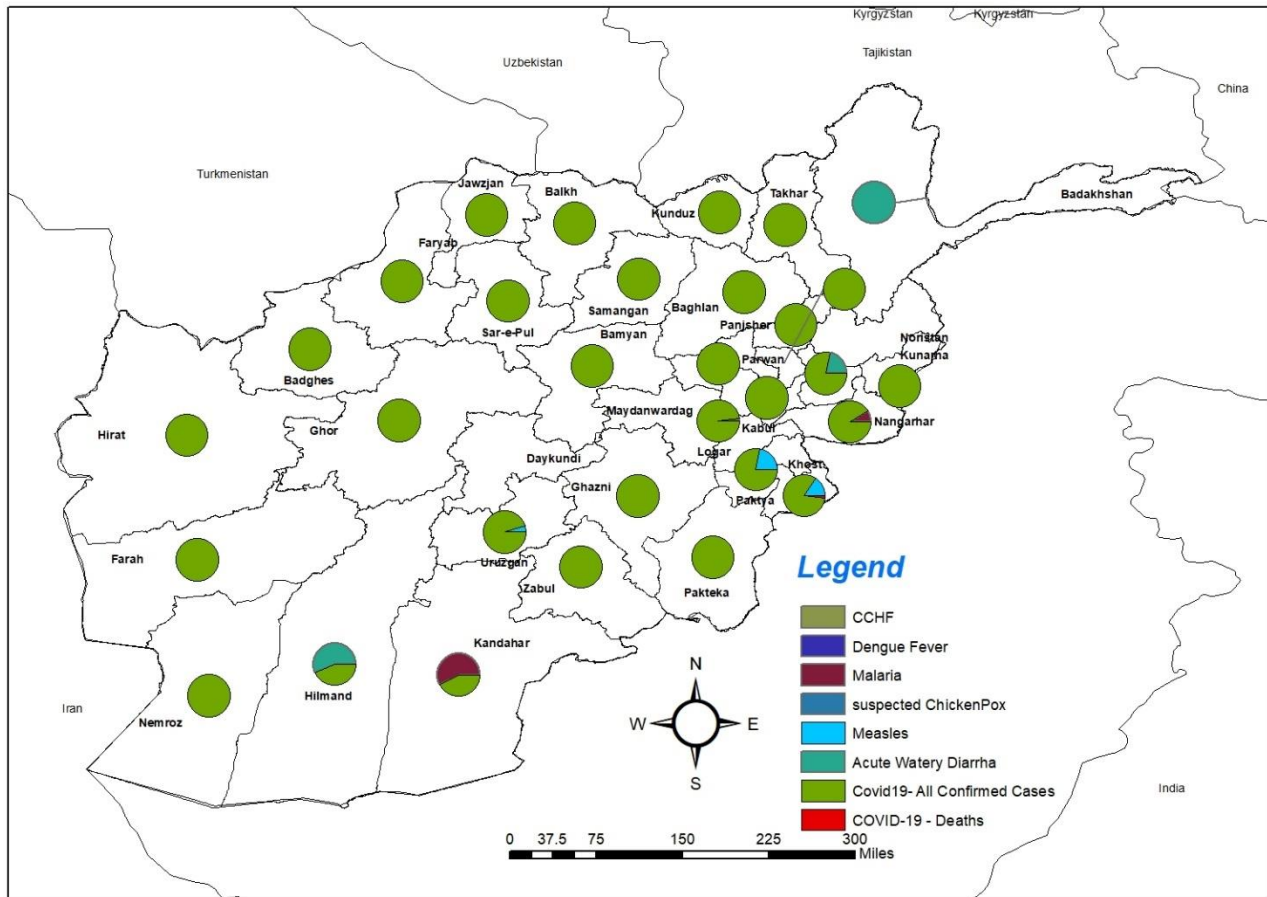
AWD outbreaks from (Helmand, Laghman and Badakhshan) Provinces						
Reported date	Province	District	Village	Total cases	Total deaths	Recommendation/ Action take
14/10/2022	Helmand	Baghran	Sarbaghani	55	0	During this week 03 AWD outbreaks were reported from Helmand, Laghman and Badakhshan Provinces, Case management was done, and health education sessions were conducted for all the cases. More updates will be shared through follow-up and final investigation reports.
11/10/2022	Laghman	Alingar	Khawaja God village of Tag Dara	57	0	
10/10/2022	Badakhshan	Baharak	Malangabe	6	0	

Confirmed Malaria outbreaks from (Nangarhar and Kandahar) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
11/10/2022	Nangarhar	Sorkhroad	Nawabad Amarkhil	49	0	During this week 02 Confirmed Malaria outbreaks were reported from Nangarhar and Kandahar provinces, case management was done. Health education sessions were conducted for all the cases.
13/10/2022	Kandahar	Shorabak	Sherani	543	0	
Suspected chickenpox outbreak from (Kabul) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
10/10/2022	Kabul	District 12	District 12	4	0	During this week 01 suspected chickenpox outbreak was reported from Kabul province, case management was done. Health education sessions were conducted for all the cases.

Table 4: Updated outbreaks report during 2022 (26 Dec 2021 to 15 October 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	252	175	3575	109
CCHF	360	105	361	11
Dog bites/Suspected Rabies	21	1	138	0
Pertussis	31	0	185	10
Acute Watery Diarrhea	75	21	4427	10
Food Poisoning	15	0	356	2
Unknown Poisoning	1	0	5	2
Scabies	8	0	133	0
Chickenpox	28	1	317	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	4	0	44	0
Diphtheria	2	0	2	0
Pneumonia	1	0	25	0
Dengue fever	17	10	19	0
Skin disease	1	0	3	0
Anthrax	3	0	10	1
Confirmed Malaria	7	7	1947	0
COVID-19	1	1	46187	519
Grand Total	831	321	57815	664

Figure 4: COVID-19, Dengue Fever, Suspected CCHF, AWD, Suspected Measles, suspected Chickenpox, Confirmed Malaria cases and deaths during the week 41st



Laboratory surveillance:

A total of **6832** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **824** specimens were confirmed for COVID-19, **40** specimens were confirmed for Malaria, **33** specimens were confirmed for Cholera, **18** specimens were confirmed for Measles (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 41st 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, 207 (6.2 %) Severe Acute Respiratory Infections cases were reported and 57% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 40th 2022. 03 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (21.0 %), Kabul (16.0 %), and Bamyan (15.2%) provinces. During this Epi-week, our field staff shipped 54 SARI and 36 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **6619** specimens were tested for suspected COVID-19. Out of which **824** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 12.4 % in this week, which decreased 0.4% compared to previous week.
- Bed occupancy rate (BOR) at the national level was **40.6%**, which decreased 5.1 % compared to last week.
- Out of **824** confirmed cases, **1808** contacts of **706** confirmed cases were traced that were mostly family members with an average of 3 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 **41368** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- Dengue fever cases are increasing in the country, especially in the east part of the country
- Weak preparedness for the outbreak investigation and response in the provincial level
- AWD outbreaks and diarrheal diseases cases are still a public health problem, in this week we had 03 AWD outbreaks with 01 death due to AWD with dehydration.
- Suspected Measles cases, in this week **608** suspected measles cases were reported.

Recommendations:

- Strong preventive and control measure are needed for the prevention and control of dengue fever cases in the country
- RRT team should be established in the provincial level to timely and properly investigate and respond the diseases outbreaks
- Effective preventive and control measures are needed for the control of AWD cases and outbreaks at the national level.
- Measles vaccination and preventive measures should be strengthened and the measles response strategy should be revised.
 - **EPI:** As the surveillance system detected **608** suspected Measles cases at the national level, so 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.