

Summary:

- Out of **519** functional Surveillance sentinel sites, **510 (98.3%)** have submitted reports this week.
- A total of **545,161** new consultations, **209,585 (38.4%)** were due to Surveillance targeted diseases. That included **110,170 (52.6%)** males and **99,415 (47.4%)** females. Also, **101,163 (48.3%)** under five years old and **108,422 (51.7%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **120,681 (22.1%)** cases out of total new consultations, Acute Diarrheal Diseases **58,105 (10.7%)** cases out of total new consultations, and Pneumonia **22,186 (4.1%)** cases out of total new consultations.
- A total of **204** deaths were reported this week, of which **52 (29.5%)** deaths were due to Surveillance targeted diseases, which include **34** Pneumonia deaths, **07** COVID-19 deaths, **08** suspected Meningitis/ Severely ill Child deaths, **03** suspected Acute Viral Hepatitis deaths.
- In addition, during this week **22 outbreaks** were reported (**05 Suspected CCHF** outbreaks were reported from Balkh, Baghlan and Kabul provinces, **03 Dengue Fever** outbreaks were reported from Kabul, Logar and Nangahar Provinces, **03 Suspected Measles** outbreak were reported from Kabul and Paktya provinces, **02 Suspected Chickenpox** outbreaks were reported from Kabul and Herat Provinces, **03 Suspected Pertussis** outbreaks were reported from Kapisa, Farah and Takhar provinces, **01 Confirmed Malaria** outbreak was reported from Kapisa Province, **01 Dog bite/Suspected Rabies** outbreak was reported from Kapisa Province, **01 Suspected Scabies** outbreak was reported from Urozgan Province, **01 Suspected Mumps** outbreak was reported from Kabul Province, **01 AWD** outbreak was reported from Kapisa Province and **01 Suspected Acute Viral Hepatitis** outbreak was reported from Logar Province).
- Moreover, **913** COVID-19 confirmed cases and **525** suspected Measles cases were reported at the national level.

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

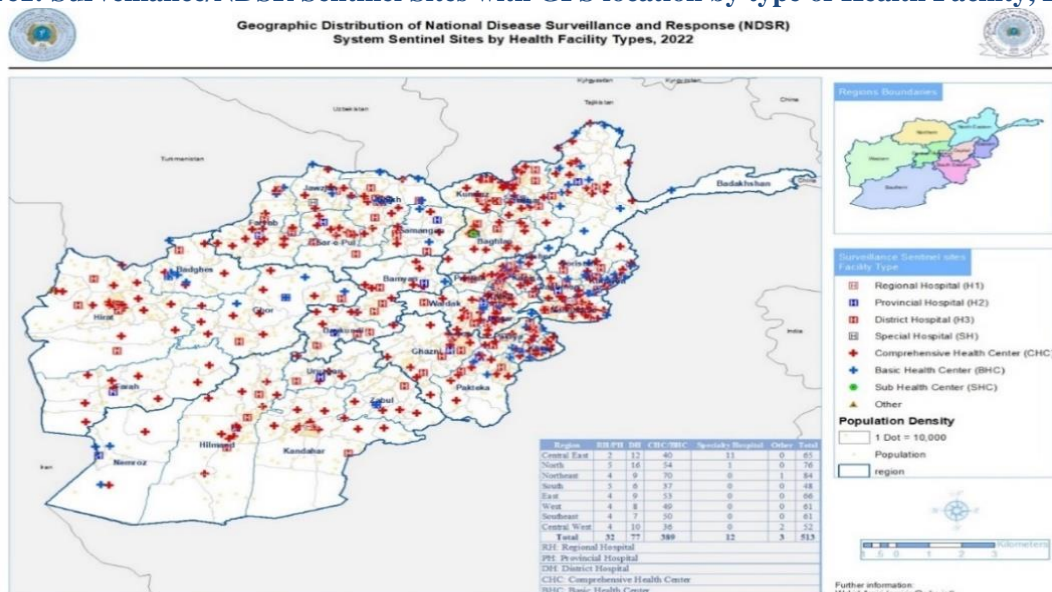


Table 1: Coverage of NDSR Surveillance System

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

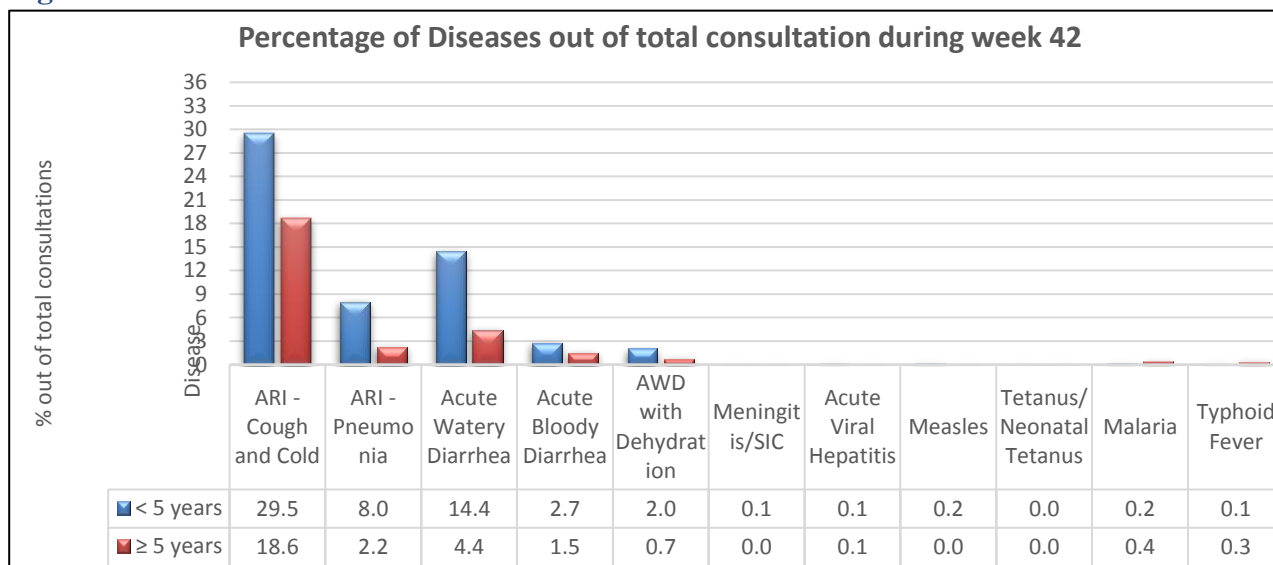


Figure 2: B

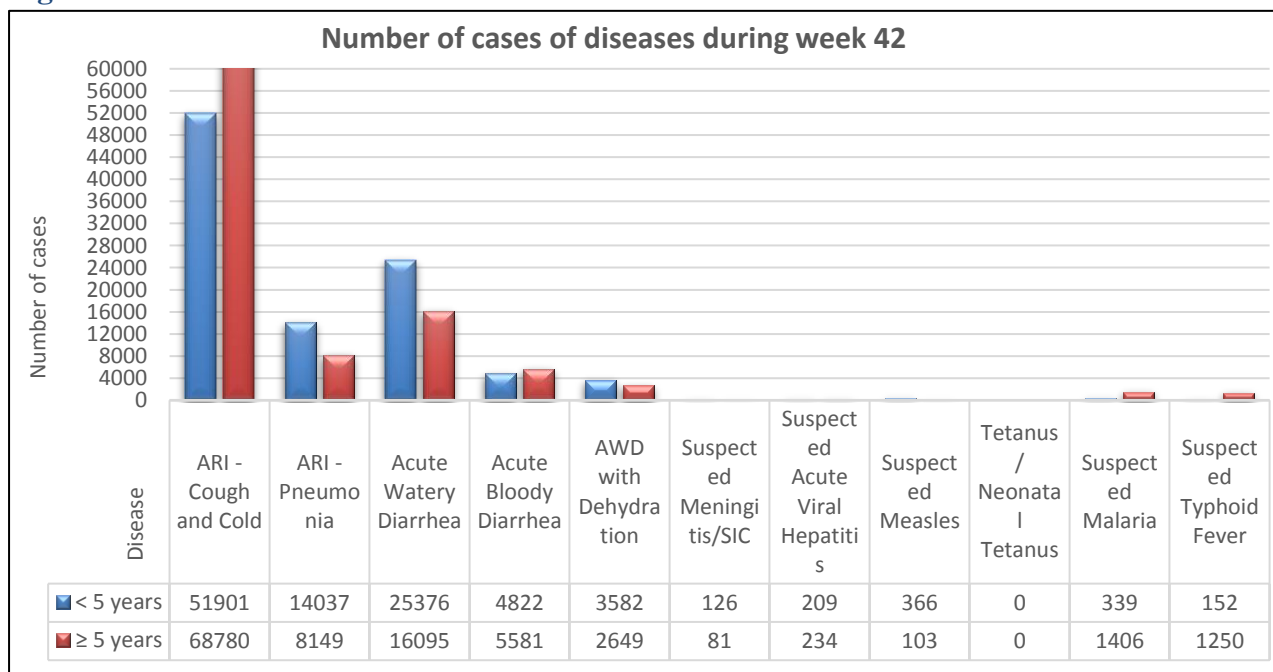


Table 2: Cases and deaths due to VPDs by age group during week 42nd 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	366	103	469	0	0	0	0.00
Suspected Pertussis	03	0	3	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

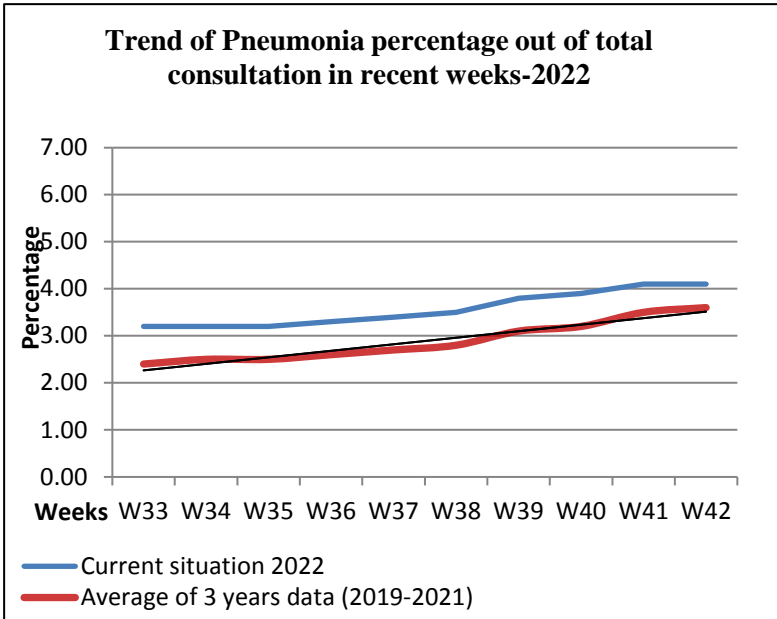


Figure 3: B

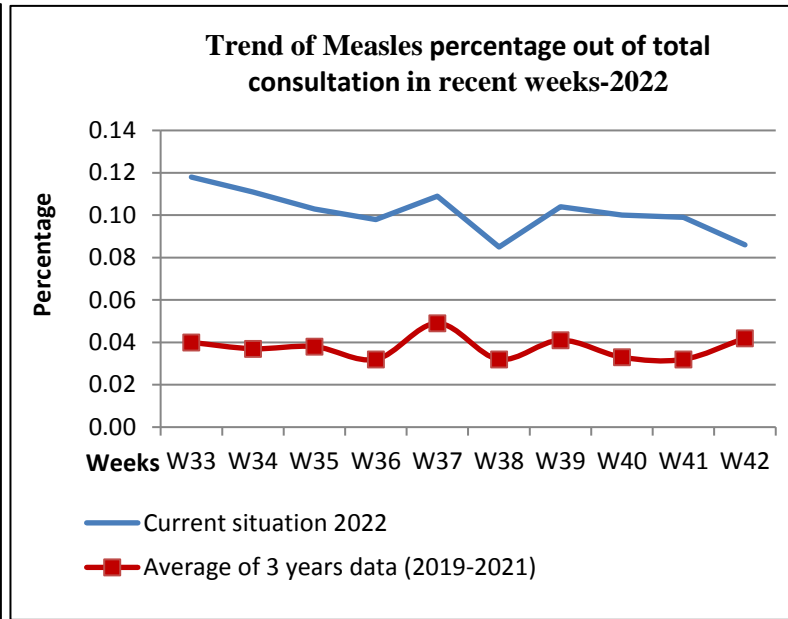


Figure 3: C

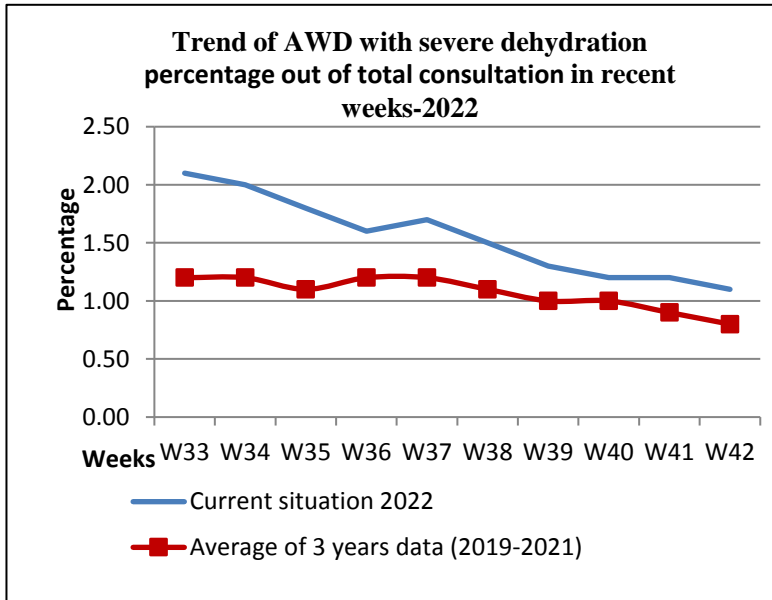


Figure 3: D

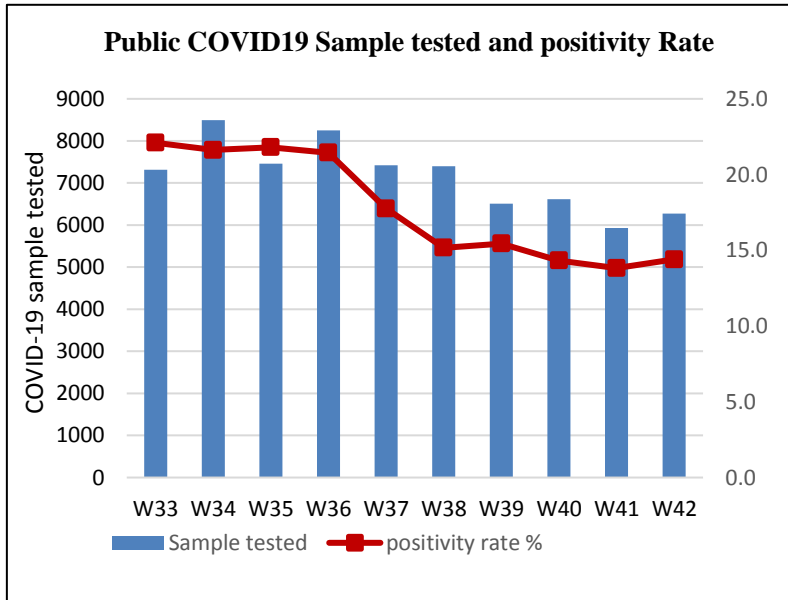


Table 3: Outbreaks in week 42nd 2022:

Suspected CCHF Cases (Balkh, Baghlan and Kabul) provinces										
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken		
16/10/2022	Balkh	Mazar-e Sharif	Mazar-e Sharif	1	0	45	Other	During this week 05 suspected CCHF cases were reported from Balkh, Baghlan, and Kabul provinces. 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.		
16/10/2022		Mazar-e sharif	Baba Yadgar	1	0	55	Farmer			
18/10/2022	Baghlan	Pulikhumri	Afsotar	1	0	31	Farmer			
18/10/2022		Dahana Ghori	Chashma Jengan	1	0	52	Housewife			
16/10/2022	Kabul	District 12	Hood Khil	1	0	55	Housewife			
Dengue Fever outbreaks from (Kabul, Logar and Nangarhar) provinces										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
16/10/2022	Kabul	Qarah Bagh	Alarm	1	0	During this week 03 Dengue fever outbreaks were reported from Kabul, Logar and Nangarhar provinces. Case management was done. Health education sessions were conducted for all the cases.				
17/10/2022	Logar	Khwashi	Dew Bandi	1	0					
16/10/2022	Nangarhar	Chaparhar	Chaparhar	1	0					
Suspected Measles outbreaks (Kabul, Paktya) provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
16/10/2022	Kabul	District 7	Darlamam	2	14	16	0	N/A	0	In this week, 03 suspected Measles outbreaks were reported from Kabul 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.
16/10/2022	Paktya	Zurmat	Sakawe Village	8	11	19	0	N/A	N/A	
16/10/2022		Gardez	Niazi, Ibraheem khil	16	5	21	0	N/A	N/A	
Suspected chickenpox outbreak from (Kabul and Herat) provinces										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				

16/10/2020	Kabul	Kabul	Kabul	10	0	During this week 02 suspected chickenpox outbreak were reported from Kabul and Herat provinces, case management was done. Health education sessions were conducted for all the cases.
20/10/2022	Herat	Kuhsan	Islam Qala	8	0	

Suspected Pertussis outbreak from (Kapisa, Farah and Takhar) provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
16/10/2020	Kapisa	Nejrab	Ghocholan	68	0	During this week 03 suspected Pertussis outbreaks were reported from Kapisa, Farah and Takhar provinces, case management was done. Health education sessions were conducted for all the cases.
20/10/2022	Farah	Gulestan	Ghurma	19	0	
10/19/2022	Takhar	Taluqan	Shahrawan	1	0	

Confirmed Malaria outbreaks from (Kapisa) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
16/10/2022	Kapisa	Tagab	Different village	20	0	During this week 01 Confirmed Malaria outbreak was reported from Kapisa province, case management was done. Health education sessions were conducted for all the cases.

Dog bite/ Suspected Rabies outbreak from (Kapisa) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
16/10/2022	Kapisa	Tagab	Bodrab	13	0	During this week 01 Rabies outbreak was reported from Kapisa province, case management was done. Health education sessions were conducted for all the cases.

Suspected Scabies outbreak from (Urozgan) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
17/10/2022	Urozgan	City	Tarinkot	8	0	During this week 01 Suspected Scabies outbreaks was reported from Urozgan province, case management was done. Health education sessions were conducted for all the cases.

AWD outbreak from (Nuristan) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
16/10/2022	Nuristan	Bargimatal	Shudgul.Bargi matal.Awlagul .chapoo	229	4	During this week 01 AWD outbreak was reported from Nuristan province, case management was done. Health education sessions were conducted for all the cases.

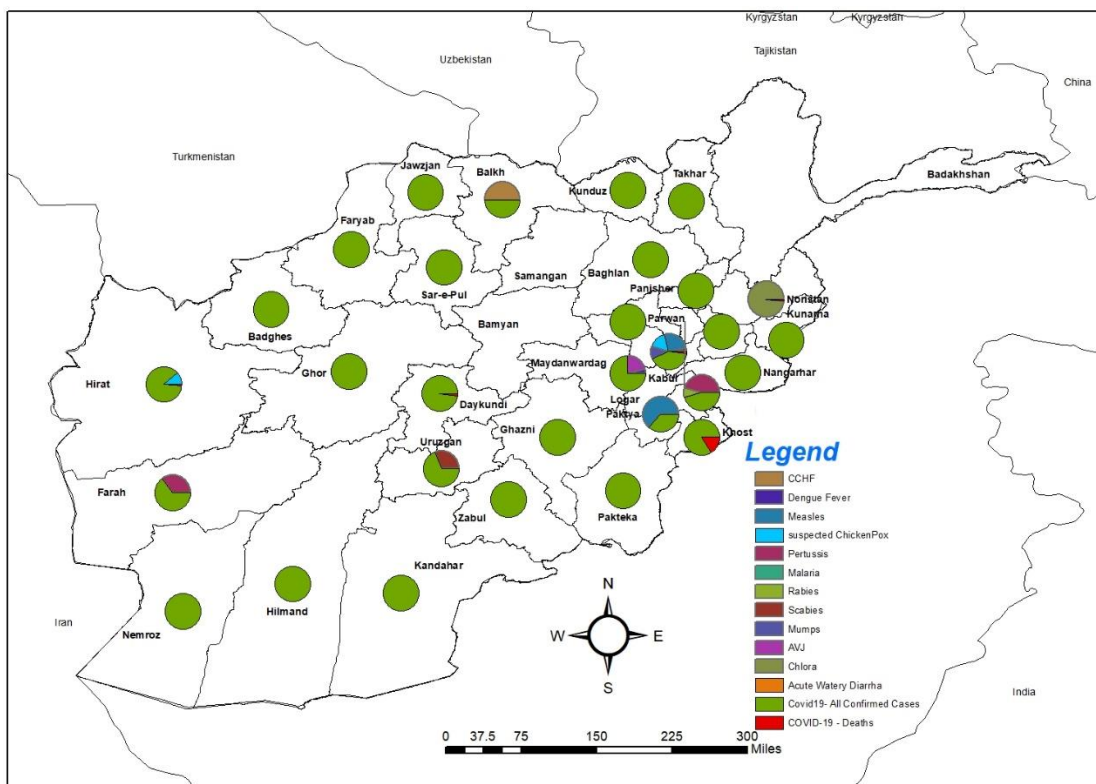
Suspected Mumps outbreak from (Kabul) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
18/10/2022	Kabul	District 13	Fatir High School	7	0	During this week 01 Suspected Mumps outbreak was reported from Kabul province, case management was done. Health education sessions were conducted for all the cases.

Suspected Acute Viral Hepatitis outbreak from (Logar) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
18/10/2022	Logar	Puli Alam	Zawara Babus	5	0	During this week 01 suspected AVH outbreak was reported from Logar 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 22 October 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	255	175	3631	109
CCHF	365	105	366	11
Dog bites/Suspected Rabies	22	1	151	0
Pertussis	34	0	273	10
Acute Watery Diarrhea	76	21	4656	14
Food Poisoning	15	0	356	2
Unknown Poisoning	1	0	5	2
Scabies	9	0	141	0
Chickenpox	30	1	335	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	5	0	51	0
Diphtheria	2	0	2	0
Pneumonia	1	0	25	0
Dengue fever	20	10	22	1
Skin disease	1	0	3	0
Anthrax	3	0	10	1
Confirmed Malaria	8	8	1967	0
Acute Viral Hepatitis (AVH)	1	0	5	0
COVID-19	1	1	47100	526
Grand Total	853	322	59170	676

Figure 4: COVID-19, Suspected CCHF, Dengue Fever, Suspected Measles, Suspected chickenpox, suspected pertussis, confirmed Malaria, Dog bite/ suspected rabies, Suspected scabies, Suspected Mumps, AWD, Suspected AVH cases and deaths during the week 42nd



Laboratory surveillance:

A total of **7488** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **913** specimens were confirmed for COVID-19, **121** specimens were confirmed for Measles, **70** specimens were confirmed for Malaria, **51** specimens were confirmed for Dengue fever, **04** specimens were confirmed for Cholera, (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 42nd 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, 225(6.6 %) Severe Acute Respiratory Infections cases were reported and 64% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 41st 2022. 05 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (22.0 %), Kapisa (20.9%), and Bamyan (15.4%) provinces. During this Epi-week, our field staff shipped 53 SARI and 36 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **6275** specimens were tested for suspected COVID-19. Out of which **913** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 14.5 % in this week, which increased 2.1% compared to previous week.

- Bed occupancy rate (BOR) at the national level was **45.8%**, which increased 5.2 % compared to last week.
- Out of **913** confirmed cases, **2091** contacts of **598** 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 **44,604** 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 disease cases are still a public health problem, in this week we had 01 AWD outbreaks with 04 deaths due to AWD with dehydration.
- Suspected Measles cases, in this week **525** 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 prevention 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 **525** 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.