

Summary:

- Out of **613** functional Surveillance sentinel sites, **591 (96.4%)** have submitted reports this week.
- A total of **671,661** new consultations, of which **252,041 (37.5%)** were due to Surveillance targeted diseases. That included **132,914 (52.7%)** males and **119,140 (47.3%) females**. Also, **121,315 (48.1%)** under five years old and **130,739 (51.9%)** five years old and over were reported this week.
- The main causes of consultations this week were **ARI Cough & Cold (138455 = 20.6%** cases out of total new consultations), **Acute Diarrheal Diseases (84,687 =12.5%** cases out of total new consultations), and **Pneumonia (21,739 = 3.2%** cases out of total new consultations).
- A total of **254** deaths were reported this week, of which **73 (28.7%)** were due to surveillance-targeted diseases, which include **53 pneumonia** deaths, **06 Acute Watery Diarrhea (AWD) with Dehydration** deaths, **04 Acute Viral Hepatitis** deaths, **02 Suspected Measles** deaths, **03 COVID-19** deaths, **04 Suspected Meningitis/Severely Ill Child** deaths, and **01 Suspected Hemorrhagic Fever** death.
- In addition, during this week, **27** outbreaks were reported: (**06 Clinical Chickenpox** outbreaks were reported from **Herat, Khost, Kunar** and **Parwan** provinces, **05 Suspected Scabies** outbreaks were reported form **Kabul, Nangahar, Paktya, Baghlan** and **Samangan** provinces, **05 Suspected Measles** outbreaks were reported form **Balkh, Kabul, Samangan, Ghazni** and **Logar** provinces, **03 Clinical Mumps** were reported from **Badakhshan, Helmand** and **Takhar** Provinces, **02 CCHF** outbreak were reported from **Balkh and Kabul** Provinces, **03 Pertussis** outbreaks were reported from **Paktika, Kapisa** and **Urozgan** provinces, **01 Tetanus** outbreak were reported from **Kabul** province and **02 Dog bites / Suspected Rabies** outbreak were reported form **Helmand** and **Kandahar** Provinces.
- Moreover, **1071** COVID-19 confirmed cases and **596** Suspected **Measles** cases were reported at the national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2023

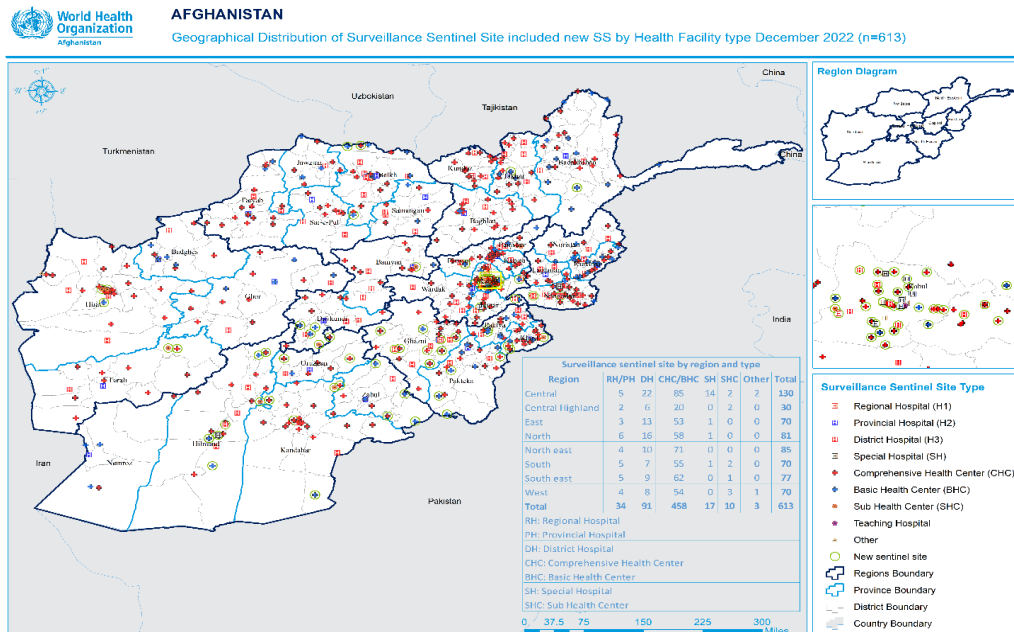


Table 1: Coverage of NDSR Surveillance System

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	8	26	90	348	111	17	10	3	613

Indicator - based Surveillance (IBS):

The indicator-based surveillance component of the NDSR, reports 17 priority conditions/infectious diseases from sentinel sites on weekly basis. The data is compared with previous weeks and the corresponding weeks of the previous three years, and the alert and epidemic thresholds are checked to see if disease incidence has crossed these levels and necessary action is initiated.

Figure 2: A

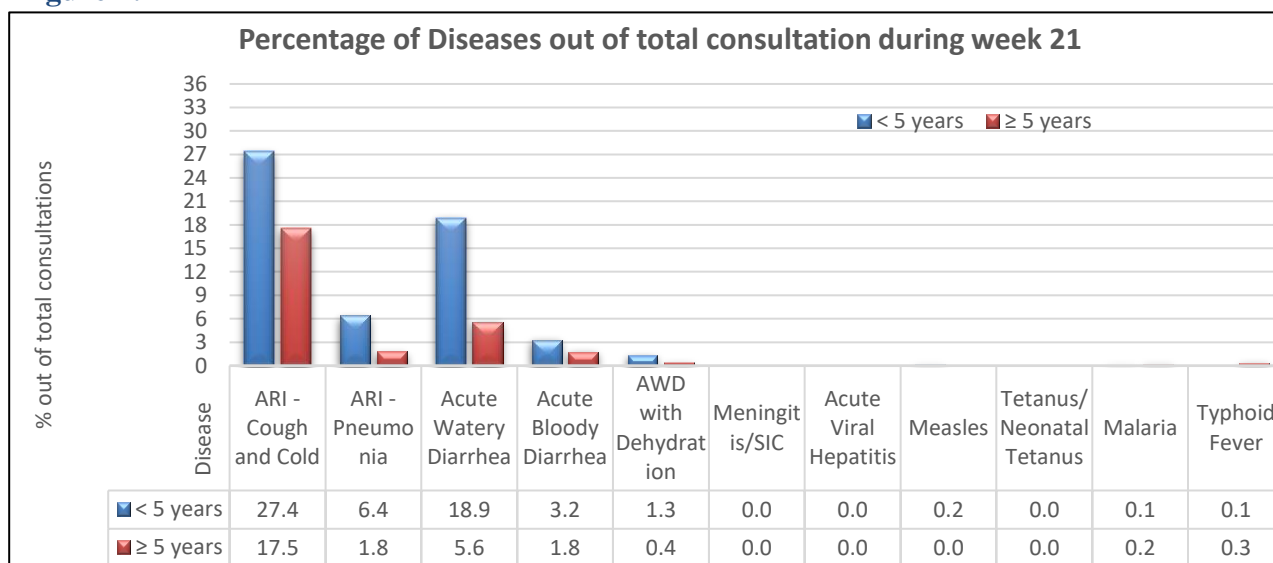


Figure 2: B

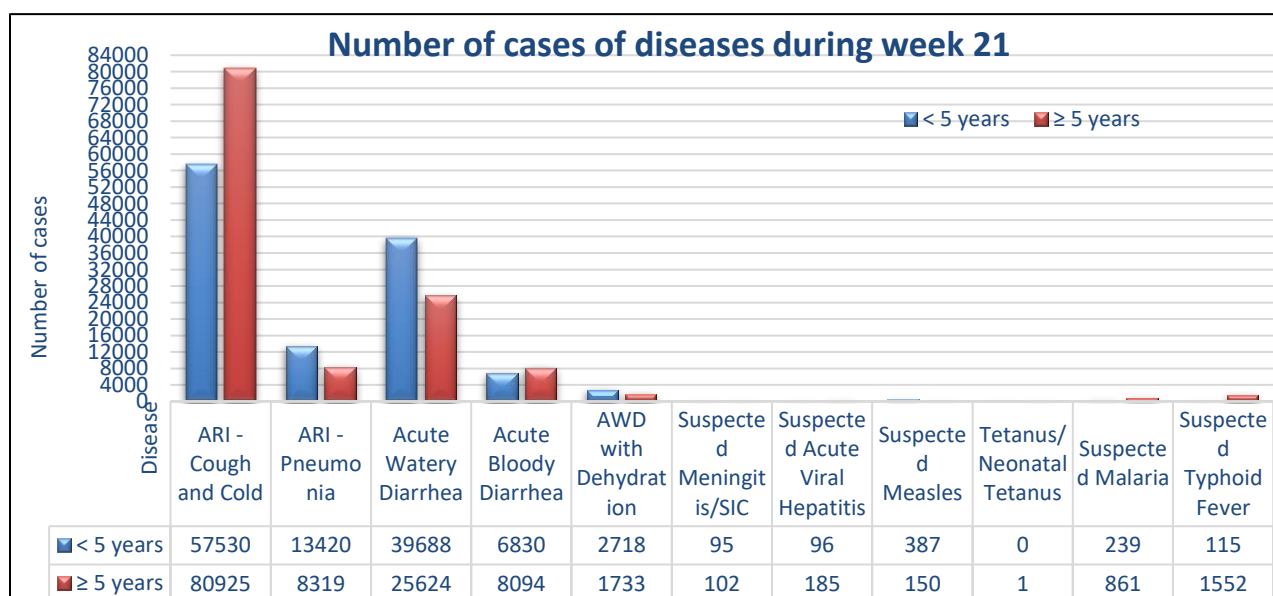


Table 2: IBS Cases and deaths due to VPDs by age group during week 21st 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	387	150	537	2	0	2	0.37
Pertussis	30	0	30	0	0	0	0
Tetanus/Neonatal tetanus	0	1	1	0	0	0	0

Seasonal Diseases:

Figure 3: A

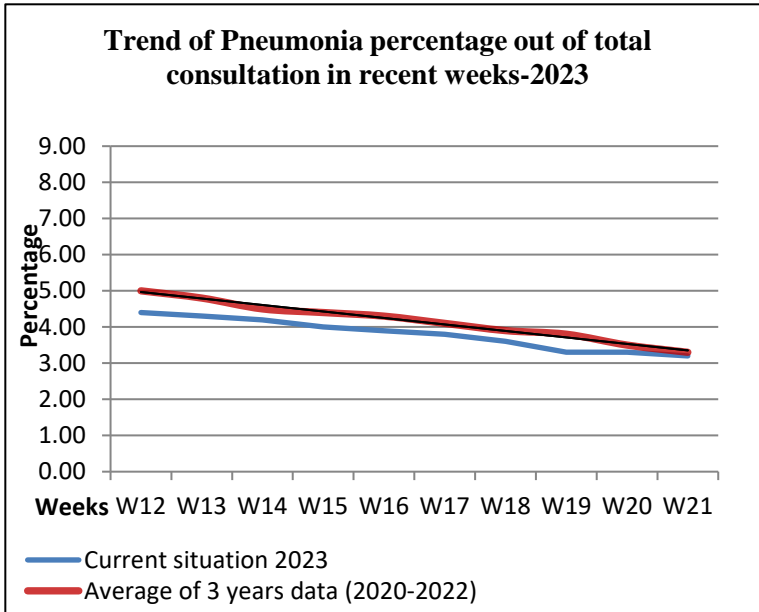


Figure 3: B

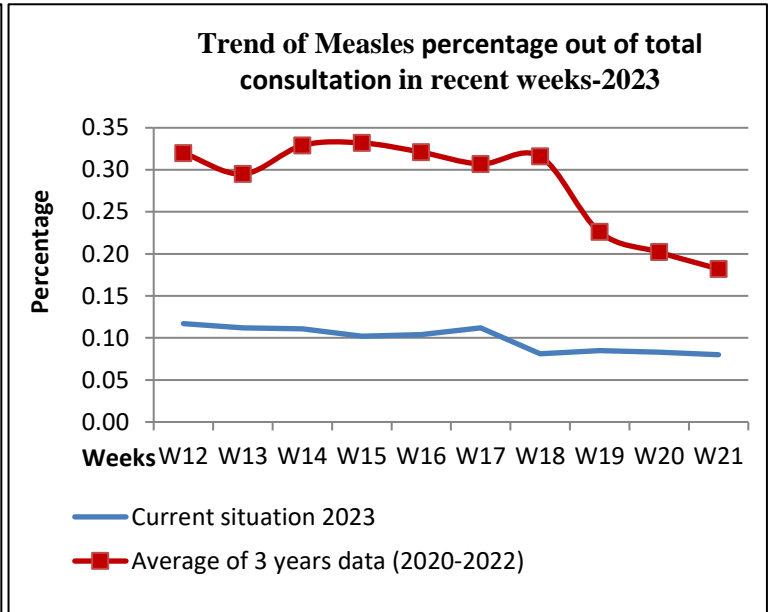


Figure 3: C

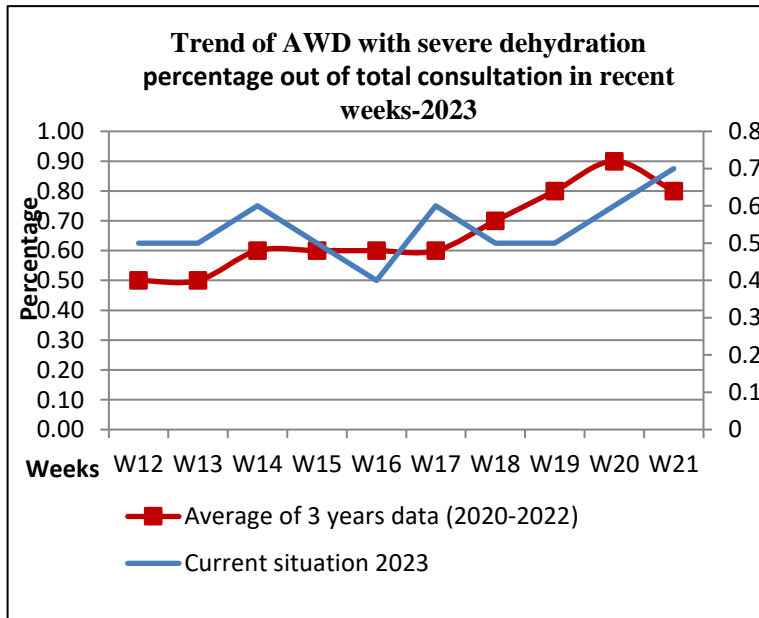


Figure 3: D

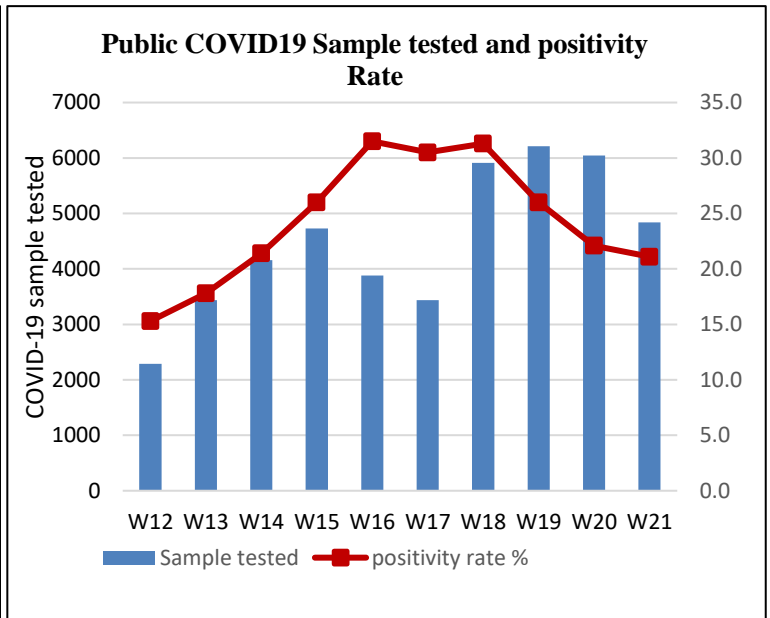


Table 3: Outbreaks in week 21st 2023:

Suspected Chickenpox outbreaks from Herat, Khost, Kunar and Parwan provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
22/05/2023	Herat	Guzara	Yek-E-Derakht	18	0	During this week, 06 suspected Chickenpox outbreaks were reported from Herat, Khost, Kunar and Parwan provinces, and case management was done. Health education sessions were conducted for all the cases.
23/05/2023		Guzara	Khajeh Abad	34	0	
24/05/2023	Khost	Nadersha h Kot	Gedawera	19	0	
22/05/2023	Kunar	Narang	Kotkai Girl School	53	0	
23/5/2023	Parwan	Charikar	Khawjasyaran Balla	16	0	
25/5/2023		Bagram	Maheegir	17	0	

Suspected Scabies outbreaks from Kabul, Nangarhar, Paktya, Baghlan and Samangan provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
21/05/2023	Kabul	Bagrami	Sheena	34	0	During this week, 05 Suspected Scabies Outbreaks were reported from Kabul, Nangarhar, Paktya, Baghlan and Samangan Provinces, and case management was done, health education sessions were conducted for all the cases.
24/05/2023	Nangarhar	Chaprihar	Sangina	50	0	
21/05/2023	Paktya	Zurmat	Jahadyan	27	0	
21/05/2023	Samangan	Dar-E-Soufbala	Chardeh	102	0	
21/05/2023	Baghlan	Dahani Ghiri	Dara Dana Sayed	35	0	

Suspected Measles outbreaks from Balkh, Ghazni, Kabul, Logar and Samangan provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
20/05/2023	Balkh	Mazari Sharif	Naw Bahar	6	0	During this Week, 05 Suspected Measles Outbreaks were reported from Balkh, Ghazni, Kabul, Logar and Samangan Provinces, and case management was done. health education sessions were conducted for all the cases.
25-05-2023	Ghazni	Jaghori	Sarqol	33	0	
22/05/2023	Kabul	Bagrami	Booth Khak	10	0	
20/05/2023	Samangan	Dar-e-soufbala	Khawaja Ghang	5	0	
24-05-2023	Logar	Puli Alam	Bedak	5	0	

Suspected Pertussis outbreak from Paktika, Kapisa and Urozgan provinces

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
19/05/2023	Paktika	Wormami	Sharo And Malate	60	0	During this week, 03 suspected Pertussis outbreak were reported from Paktika, Kapisa and Urozgan provinces, and case management was done. Health education sessions were conducted for all the cases.
22/05/2023	Urozgan	Tarinkot	Khanaqa	16	0	
24-05-2023	Kapisa	Sefat ullah khail	Kohistani-2	6	0	

Clinical Mumps outbreaks from Badakhshan, Helmand and Takhar provinces

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
24/5/2023	Badakhshan	Fayzabad	Nahea 3	7	0	During this Week, 03 Clinical Mumps Outbreaks were reported from Badakhshan, Helmand and Takhar provinces and case management was done. Health education sessions were conducted for all the cases
22/5/2023	Helmand	Grishk	Haji Khalifa Masjid	6	0	
26/5/2023	Takhar	Namak Ab	Shughlash	16	0	

Tetanus outbreak from Kabul province

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
26/05/2023	Kabul	Bagrami	Gosfan dara	3	1	During this week, 01 Tetanus outbreak were reported from Kabul province, and case management was done. Health education session was conducted for all the cases.

Dog bites/ Suspected Rabies outbreak from Kandahar and Helmand provinces

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
21/05/2023	Kandahar	Boldak	Hassan-zan and Isha-qzai	16	0	During this Week, 02 Dog bites / Suspected Rabies Outbreaks were reported from Helmand and Kandahar Provinces, and case management was done, health education sessions were conducted for all the cases.
27-05-23	Helmand	Marjah	Haji Khalifa	7	0	

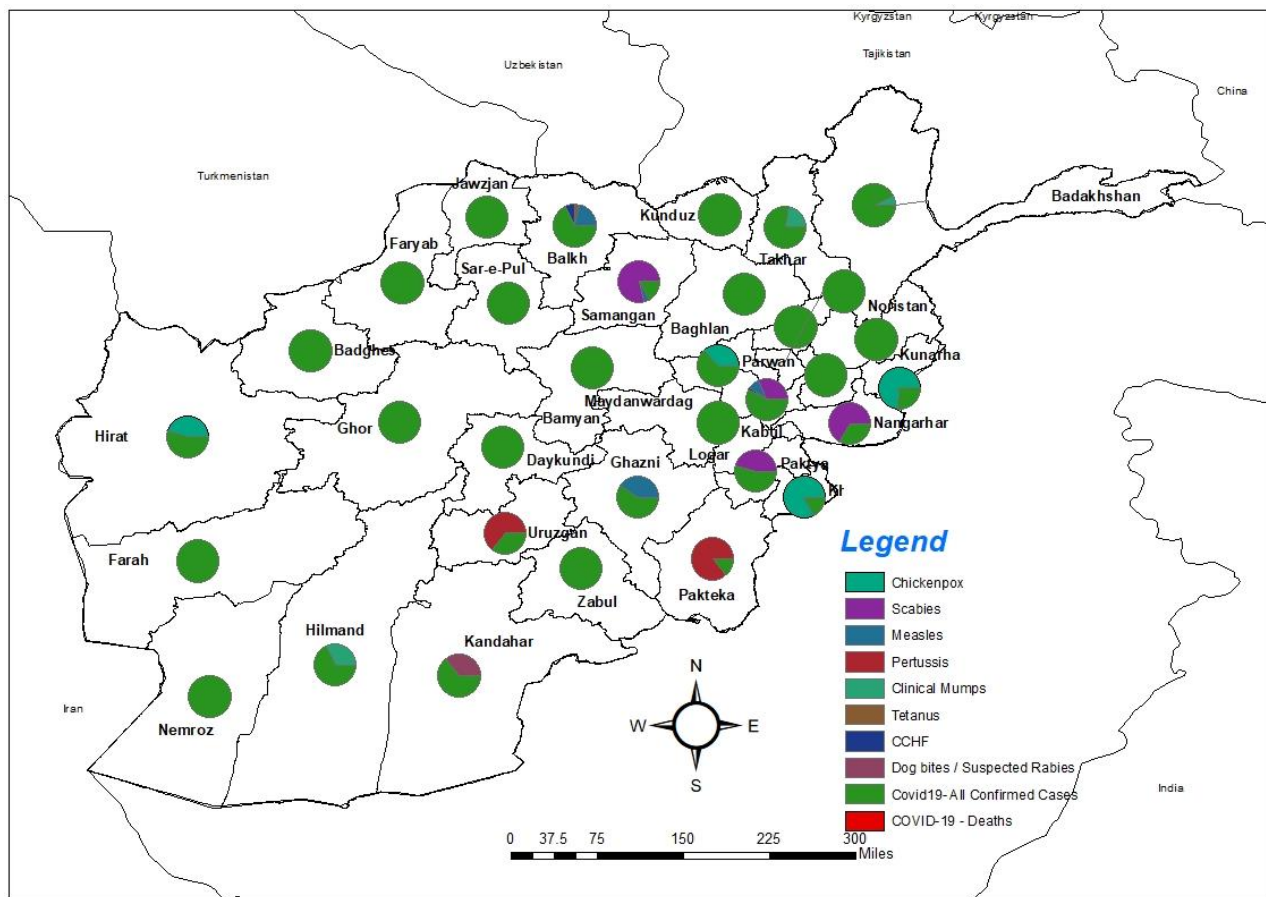
CCHF Outbreak from Balkh and Kabul Provinces

Reported dated	Province	District	Village	Total Cases	Total deaths	Occupation	Recommendation
26/05/2023	Balkh	Chemtal	Sar Asia	2	1	Housewife	During this week, 02 CCHF outbreaks were reported from Balkh and Kabul provinces, and case management was done. Health education sessions were conducted for all the cases.
24/05/2023	Kabul	District 13	Barchi	2	0	Other	

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 27 May 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	149	97	1757	8
Suspected Chickenpox	104	3	2196	0
Scabies	85	0	3288	0
Mumps	42	3	613	0
Dog bites/Suspected Rabies	34	0	296	0
Pertussis	31	0	491	1
Pneumonia	28	1	1135	24
Leishmaniasis	9	1	788	0
Malaria	6	6	543	0
CCHF	4	4	100	5
Food poisoning	4	0	41	0
Anthrax	3	0	3	0
Acute Bloody diarrhea	2	0	124	0
Typhoid Fever	2	0	39	0
ARI	2	0	113	2
Acute Viral Hepatitis	1	1	10	0
Acute water Diarrhea (Dehydration)	1	1	1	0
Unknown Poisoning	1	0	10	0
Tetanus	1	0	3	0
Skin diseases	1	0	545	0
Tinea Capitis	1	0	14	0
COVID 19	1	1	99	0
Dengue fever	1	0	2	1
Grand Total	513	119	12211	41

Figure 4: Lab Confirmed Chickenpox, Scabies, Measles, Suspected Pertussis, Clinical Mumps, Tetanus, CCHF, and Dog bites/ Suspected Rabies during the week 21st 2023



Laboratory surveillance:

A total of **6441** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **1071** specimens were confirmed for COVID-19, **222** specimens were confirmed for **Acute Respiratory Infection**, **71** specimens were confirmed for **SARI**, **60** specimens were confirmed for **Pneumonia**, **42** specimens were confirmed for **Malaria**, **35** specimens were confirmed for **Measles**, **16** specimens were confirmed for **Acute Viral Hepatitis**, **05** specimens were confirmed for **Cholera**, **05** specimens were confirmed for **Dengue Fever**, **02** specimens were confirmed for **Chickenpox** and **01** specimens were confirmed for **Brucellosis** (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological Week 21st 2023, we 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, 157 (4.2%) severe acute respiratory infection cases were reported, and 61% were under 5 years old. The proportion of SARI cases did not increase compared to week 20th 2023. Three SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Bamyan (15.1%), Baghlan (11.2%), and Kapisa (11%). During this Epi-Week, our field staff shipped 27 SARI and 19 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

This week, **5397** specimens were tested for suspected COVID-19. Out of which **1071** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 20 % this week, which decreased 2 % compared to the previous week.
- Out of **1071 confirmed** cases, **3063** contacts out of **720** were traced that were mostly family members, with an average of 4 contacts per case, and will be continued until 14 days after their last contact with the confirmed cases. Also, surveillance screening teams screened all the passengers at the points of entry for fever. In addition, health education was conducted for them. About **60,540** passengers have been screened for COVID-19 at the points of entry in five provinces (Balkh, Herat, Nangarhar, Kandahar, and Nimroz).

Challenges:

- Measles cases are still a public health concern in the country, this week **596** (IBS+EBS data) measles cases were reported to the surveillance system.
- ARI cough and cold cases are on decreasing (0.5 %) trend compared to the last week
- ARI pneumonia cases are on a decreasing (0.1 %) trend compared to the last week
- AWD cases are on the increasing compared to last week (1 %) trend compared to the last week
- Weak response system to outbreaks at the national level

Recommendations:

- COVID-19 preventive and control measures should be strengthened.
- Public awareness regarding AWD prevention and control is needed.
- Vaccine preventable diseases (especially Measles and Pertussis vaccination and preventive measures) should be strengthened.
- The measles response strategy should be reviewed in order to respond to the current measles epidemic situation.
 - **EPI:** As the surveillance system detected **596** suspected Measles cases at the national level, further prevention and control measures should be conducted by the EPI team
- The findings should be analyzed further at different levels, and appropriate actions should be taken by the concerned department.