

Summary:

- Out of **613** functional Surveillance sentinel sites, **590 (96.2%)** have submitted reports this week.
- A total of **638,486** new consultations, **236,500 (37%)** were due to Surveillance targeted diseases. That included **125,063 (52.9%)** males and **111,437 (47.1%)** females. Also, **113,374 (47.9%)** under five years old and **123,126 (52.1%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **149,373 (23.4%)** cases out of total new consultations, Acute Diarrheal Diseases **55,523 (8.7%)** cases out of total new consultations, and Pneumonia **25,630 (4%)** cases out of total new consultations.
- A total of **193** deaths were reported this week, of which **62 (32.0%)** deaths were due to Surveillance targeted diseases, which include **49 Pneumonia** deaths, **05 Suspected Meningitis/ Severely Ill Child** deaths, **05 Acute Watery Diarrhea (AWD) with Dehydration** deaths, **02 Pregnancy-related** deaths, and **01 COVID-19** death.
- In addition, during this week **24** outbreaks were reported (**07 Suspected Measles** outbreaks were reported from **Ghazni, Kunar, Helmand, Nuristan, Urozgan and Zabul** Provinces, **04 Suspected Chickenpox** outbreaks were reported from **Herat, Nimroz, Paktya and Wardak** Provinces, **03 Clinical Mumps** outbreaks were reported form **Bamyan, Helmand and Paktya** provinces, **03 Clinical Scabies** outbreaks were reported form **Baghlan, Badakhshan and Kapisa** provinces, **04 Dog bites/ Suspected Rabies** were reported form **Balkh and Takhar and Helmand** Provinces, **01 Suspected Pertussis** outbreak was reported from **Badakhshan** Province, **01 Bloody Diarrhea** outbreak was reported from **Kunar** Province and **01 Food Poisoning** outbreak was reported from **Badghis** Province).
- Moreover, **1233** COVID-19 confirmed cases, **759** Suspected **Measles** cases were reported at national level.

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

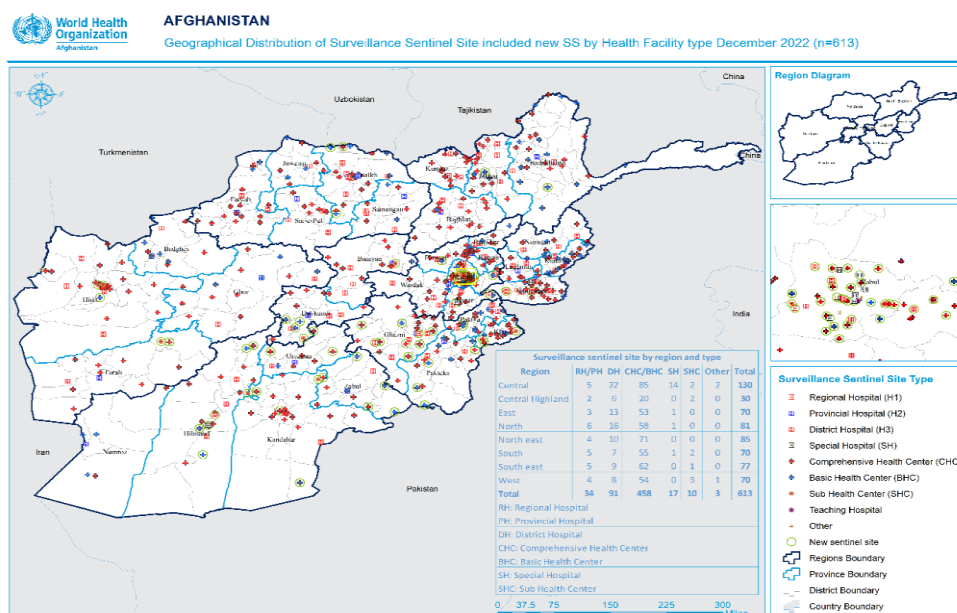


Table 1: Coverage of NDSR Surveillance System

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 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 three 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

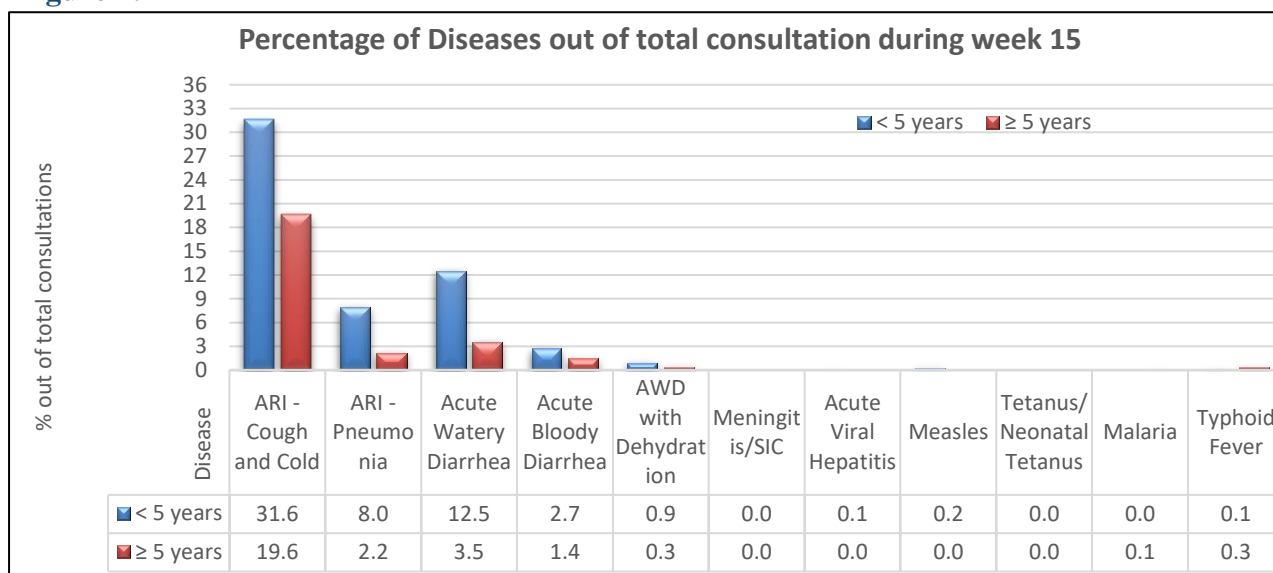


Figure 2: B

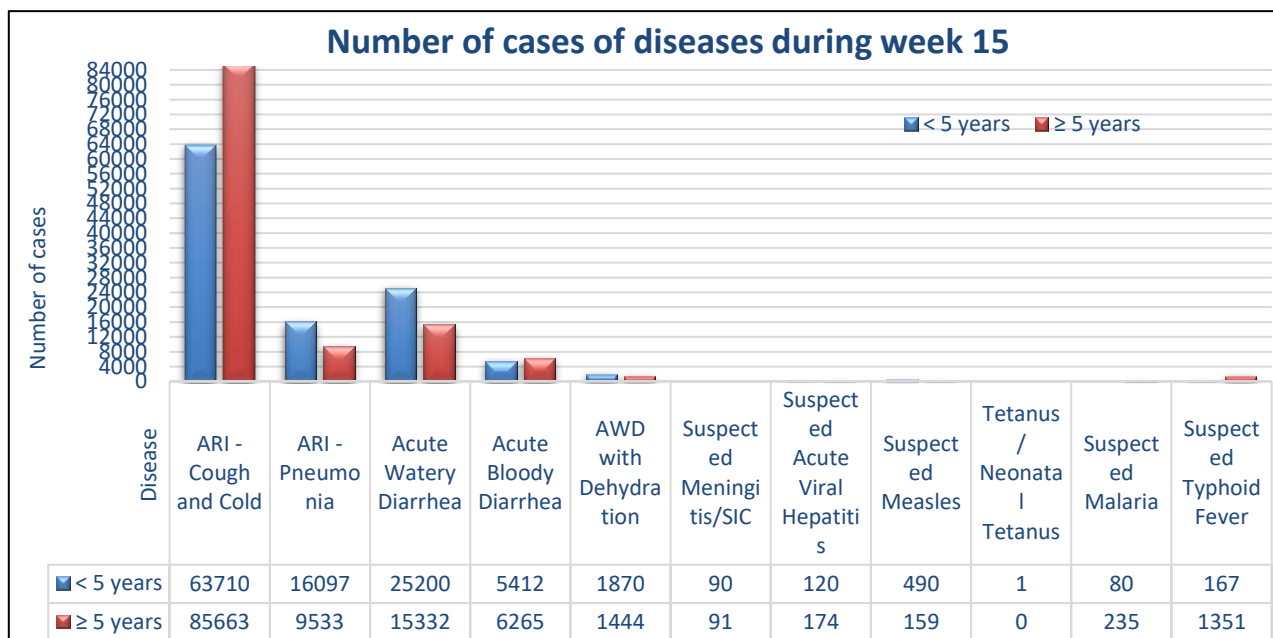


Table 2: IBS Cases and deaths due to VPDs by age group during week 15th 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	490	159	649	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

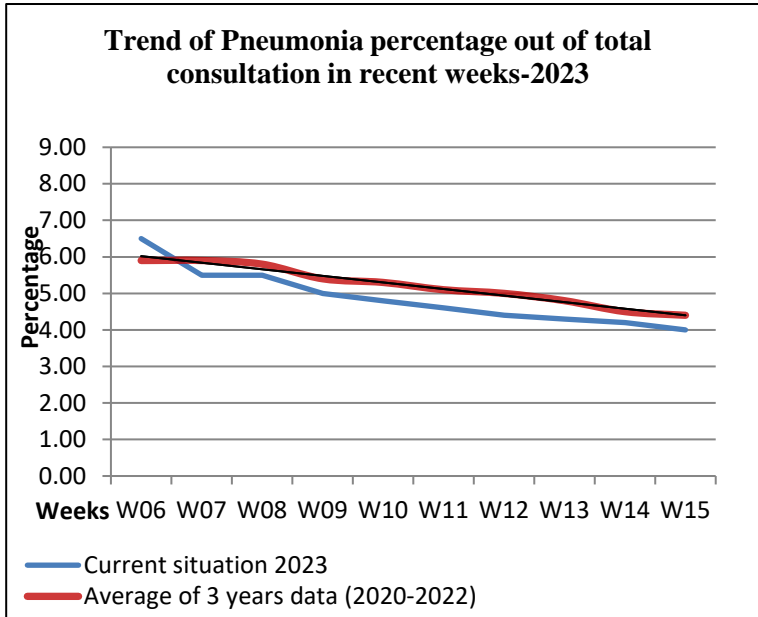


Figure 3: B

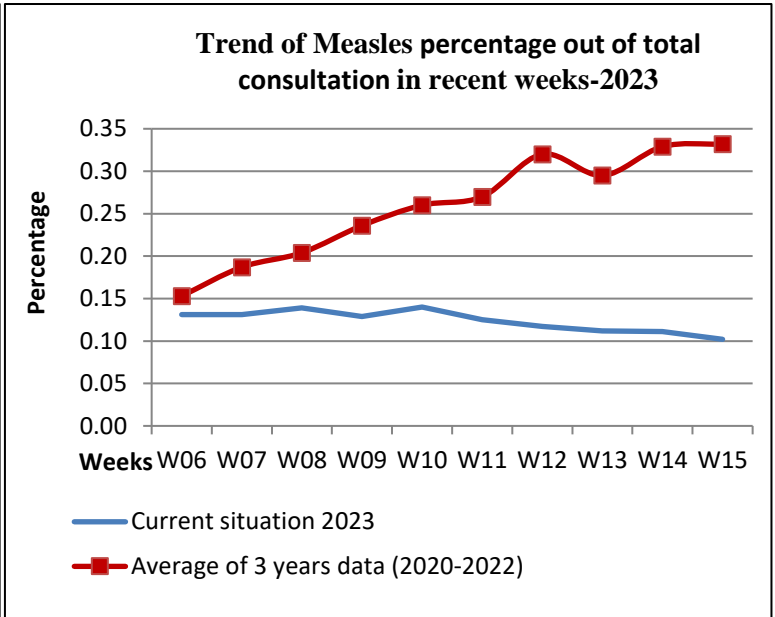


Figure 3: C

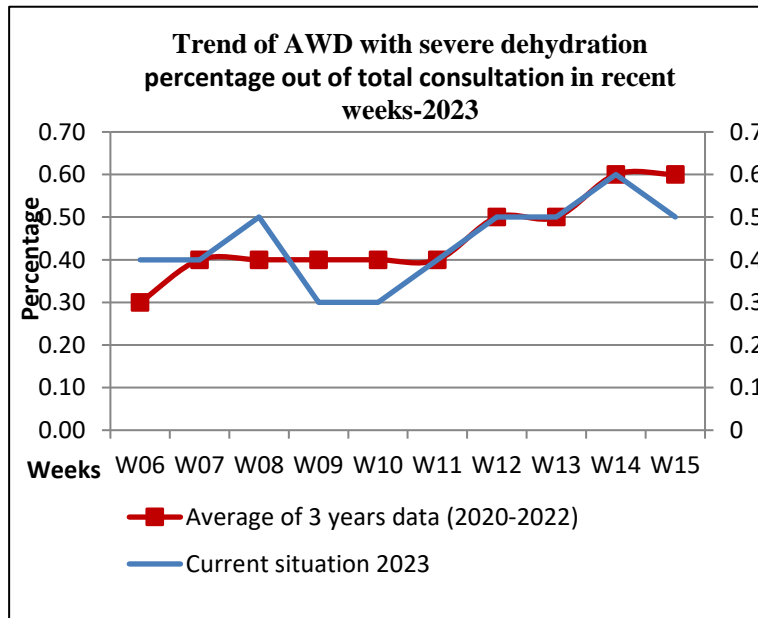


Figure 3: D

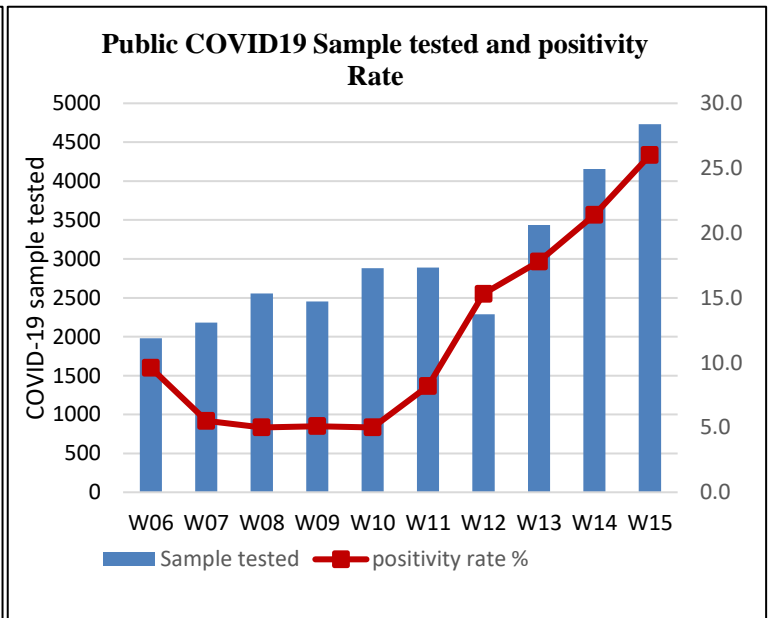


Table 3: Outbreaks in week 15th 2023:

Suspected Measles outbreaks from Ghazni, Kunar, Helmand, Nuristan, Urozgan and Zabul Provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
12/4/2023	Ghazni	Muqor	Hasti Qala	5	16	21	0	NA	NA	During this week, 07 suspected Measles outbreaks were reported from Ghazni, Kunar, Helmand, Nuristan, Urozgan and Zabul 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.
10/4/2023	Kunar	Sawkay	Shuletic. Banda, Badgur Area	7	4	11	0	80%	65%	
14/4/2023	Helmand	Nadali	Qalal Hazara	5	3	8	0	55%	26%	
09/4/2023	Nuristan	Wama	Archano	4	3	7	0	NA	10%	
09/4/2023		Douab	Palagal	12	3	15	0	NA	15%	
13/4/2023	Urozgan	Khas Urozgan	Kariz Kali	8	4	12	0	50%	30%	
10/4/2023	Zabul	Ataghar	Fetwo Kali	12	24	36	0	59%	48%	

Suspected Chickenpox outbreaks from Herat, Nimroz, Paktya and Wardak provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
10/04/2023	Herat	Dulatyar	Poshtnoor	8	0	During This Week 04 Suspected Chickenpox Outbreaks Were Reported from Herat, Nimroz, Paktya and Wardak
15/04/2023	Nimroz	Charborjack	Gora Kali	12	0	
13/04/2023	Paktya	Ahmad Aba	Momin Khil	22	0	

09/04/2023	Wardak	Dimerdad	Ajeka	16	0	Provinces, case management was done. Health education Sessions Were Conducted for all the cases.
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Dog Bite / Suspected Rabies outbreaks from Balkh, Takhar and Helmand provinces

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
08/04/2023	Balkh	Mazar-e-Sharif	Shaikh Shadman	4	0	During this week 04 Suspected Rabies outbreaks were reported from Balkh and Takhar and Helmand provinces, case management was done. Health education sessions were conducted for all the cases.
14/04/2023	Helmand	Marjah	Shakanzo Kali	12	0	
15/04/2023		Lashkarga City	Bismellah Khan	9	0	
09/04/2023	Takhar	Rustaq	Sarrustaq	16	0	

Clinical Mumps outbreaks from Bamyán, Helmand and Paktya provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/04/2023	Bamyán	Yakawlang	Khoshkdara,Bo ghondakchash ma,	38	0	During this week 03 clinical Mumps outbreak were reported from Bamyán, Helmand and Paktya province, case management was done. Health education sessions were conducted for all the cases.
11/04/2023	Helmand	Grishk	Zor Bazar	8	0	
10/04/2023	Paktya	Zurmat	Haydari	7	0	

Clinical Scabies outbreaks from Baghlan, Badakhshan and Kapisa provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/4/2023	Baghlan	Tala	Hangar Sara Sang	11	0	During this week 03 Clinical Scabies outbreaks were reported from Baghlan, Badakhshan and Kapisa Provinces, Case management was done. Health education sessions were conducted for all the cases.
10/4/2023	Badakhshan	Darayem	Dara -E Mahmood	45	0	
12/4/2023	Kapisa	Nijrab	Toghak	15	0	

Food Poisoning outbreak from Badghis province

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
14/04/2023	Badghis	Qadis	Arbab Sawar	7	0	During this week 01 Food Poisoning outbreak was reported from Badghis province, case management was done. Health education session was conducted for all the cases.

Acute Bloody Diarrhea outbreak from Kunar province

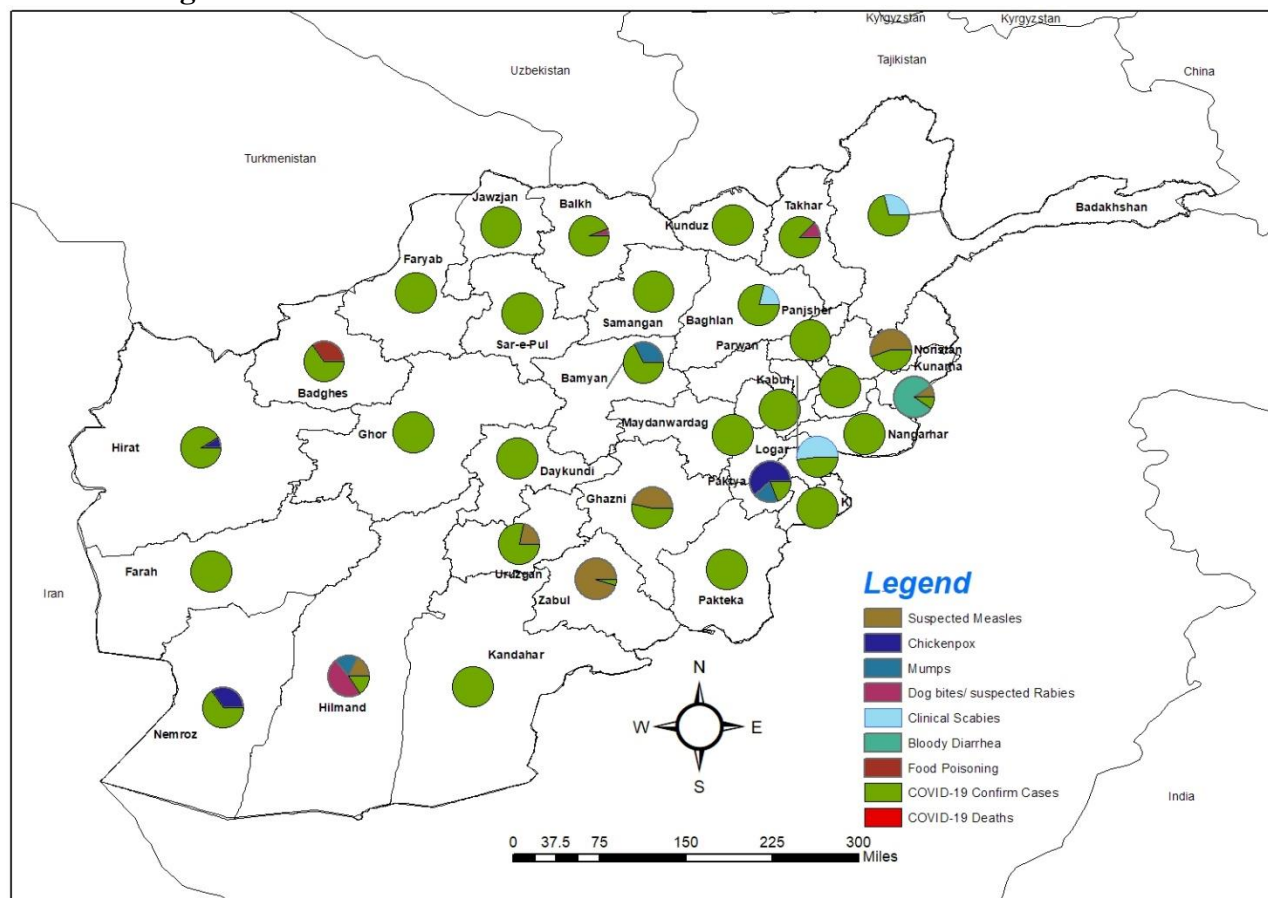
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
09/04/2023	Kunar	Marawarrah	Dabuna	99	0	During this week 01 Acute Bloody Diarrhea outbreak was reported from Kunar province, case management was done. Health education session was conducted for all the cases.

Suspected Pertussis outbreak from Badakhshan province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
08/4/2023	Badakhshan	Rustaq	Sarrustaq	26	0	During this week 01 suspected Pertussis outbreak was reported from Badakhshan province, case management was done. Health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 15 April 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	126	38	1483	6
CCHF	0	0	0	0
Dog bites/Suspected Rabies	25	0	217	0
Pertussis	18	0	218	0
Acute Watery Diarrhea	0	0	0	0
Bloody Diarrhea	2	0	124	0
Food Poisoning	2	0	21	0
Unknown Poisoning	0	0	0	0
Scabies	58	0	2094	0
Chickenpox	70	1	1719	0
Leishmaniosis	5	0	574	0
Cat bite suspected rabies	0	0	0	0
Mumps	33	0	454	0
Diphtheria	0	0	0	0
Pneumonia	29	1	1074	24
ARI Cough and cold	1	0	24	0
Dengue fever	1	0	1	1
Skin disease	1	0	545	0
Anthrax	2	0	2	0
Confirmed Malaria	0	0	0	0
Acute Viral Hepatitis (AVH)	1	0	10	0
Suspected Typhoid fever	2	0	36	0
COVID-19	1	1	5113	45
Grand Total	377	41	13709	76

Figure 4: Suspected Measles, Suspected Chickenpox, Clinical Mumps, Dog bites/ Suspected Rabies, Clinical Scabies, Acute Bloody Diarrhea, Food Poisoning and Covid-19 cases and deaths during the week 15th 2023.



Laboratory surveillance:

A total of **5661** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **1233** specimens were confirmed for COVID-19, **42** specimens were confirmed for **Measles**, **10** specimens were confirmed for **Acute Viral Hepatitis**, **04** specimens were confirmed for **Malaria** and **01** specimens were confirmed for **Diphtheria**. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 15th 2023, 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, 167(5.3%) Severe Acute Respiratory Infections cases were reported and 59% were under 5 years old. The proportion of SARI cases were slightly decreased compared to week 14th 2023. 02 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 (19.4%), Kabul (19%), and Bamyan (15.3%) provinces. During this Epi-week, our field staff shipped 27 SARI and 18 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **4730** specimens were tested for suspected COVID-19. Out of which **1233** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 26.06 % in this week, which increased 4.66 % compared to the previous week.
- Out of **1233** confirmed cases, **3096** contacts of **766** were traced 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 at the points of entry for fever. In addition, health education was conducted for them, about **52,061** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Herat, Nangarhar, Kandahar and Nimroz).

Challenges:

- COVID-19 case positivity rate increased 4.6 % this week
- Measles cases are still a public health concern in the country, this week **759** (IBS+EBS data) measles cases were reported to the surveillance system
- ARI pneumonia cases are on the decreasing (0.2%) trend compared to last weeks of the same weeks of the previous year
- AWD cases are on the increasing trend compared to last week (0.3%).
- 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
- RRTs establishment at the provincial and national level is needed, to timely investigate and respond the outbreaks
 - **EPI:** As the surveillance system detected **759** 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 at different levels and appropriate actions to be taken by the concerned departments.