

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 34th

Date: 20– 26 /08 2023

- Out of **613** functional Surveillance sentinel sites, **603 (98.4%)** have submitted reports this week.
- A total of **662,650** new consultations, of which **244,846 (36.9%)** were due to Surveillance targeted diseases. That included **128,765 (52.6%) males** and **116,081 (47.4%) females**. Also, **115,582 (47.2%)** under five years old and **129,264 (52.8%)** five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**120898 = 18.2%** cases out of total new consultations), Acute Diarrheal Diseases (**96,309 =14.5%** cases out of total new consultations), and Pneumonia (**17,310= 2.6%** cases out of total new consultations).
- A total of 294 deaths were reported this week, of which 77 (26%) were due to surveillance-targeted diseases, which include 37 pneumonia deaths, 15 Suspected Meningitis/ Severely ill Child deaths, 12 Acute watery Diarrhea AWD deaths, 06 Measles deaths, 03 Suspected Acute Viral Hepatitis deaths, 01 Suspected Hemorrhagic Fever death and 03 Pregnancy-related deaths.
- In addition, during this week, **24** outbreaks were reported: **06 Confirmed Malaria** outbreaks were reported from Badakhshan, Kapisa, Kandahar and Takhar Provinces, **03 Measles** outbreaks were reported from Helmand, Kandahar and Urozgan Provinces, **03 Chickenpox** outbreaks were reported from Herat, Ghazni and Zabol Provinces, **03 Clinical Scabies outbreaks** were reported from Kabul, Paktya and Takhar Provinces, **02 Food Poisoning outbreaks** were reported from Kunduz and Parwan Provinces, **02 Clinical Pertussis** outbreaks were reported from Kapisa and Nuristan Provinces, **01 Anthrax** outbreak was reported from Farah Province, **01 CCHF** outbreak was reported from Saripul Province, **01 AWD** outbreak was reported from Paktya Province, **01 Dog bite/suspected Rabies** was reported from Helmand Province, **01 Tinea Capitis** was reported from Kabul Province.
- Moreover, **295** COVID-19 confirmed cases and **321** suspected measles cases were reported at the national level.

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

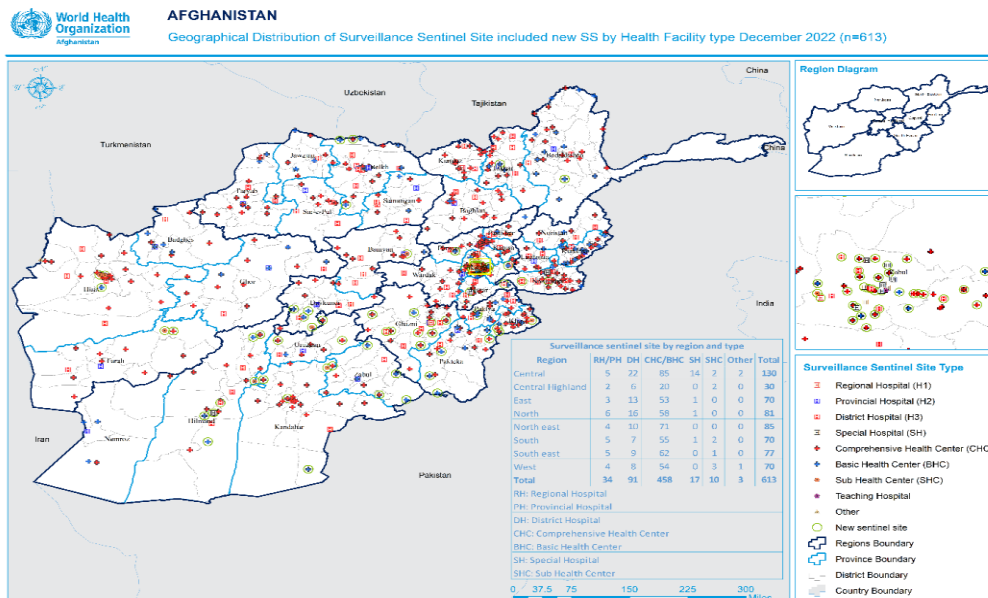


Table 1: Coverage of NDSR Surveillance System

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

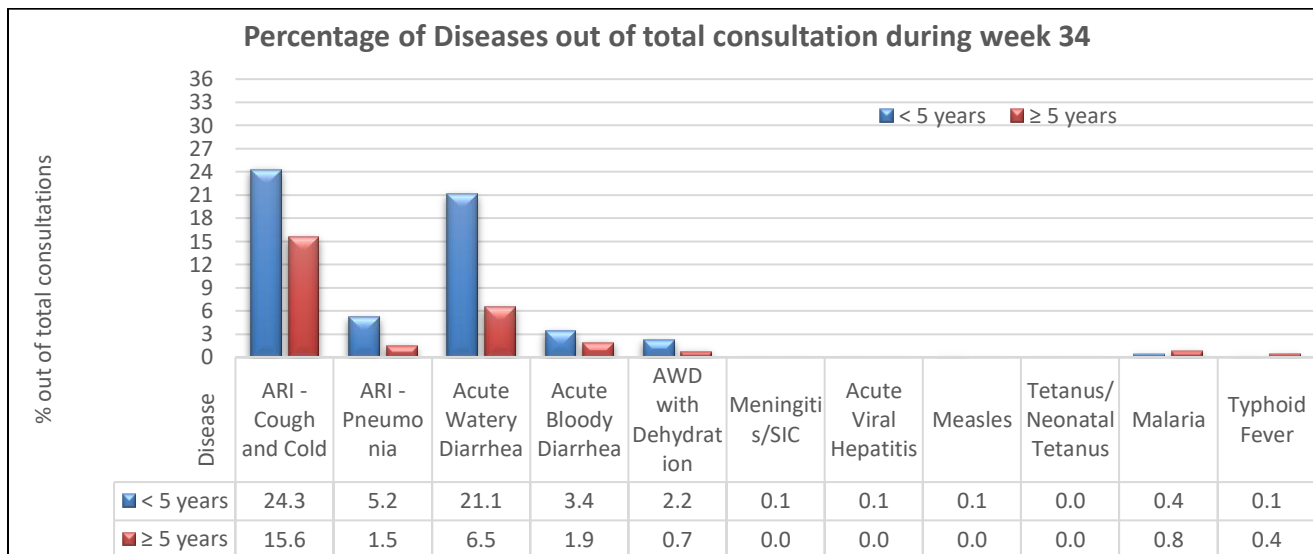
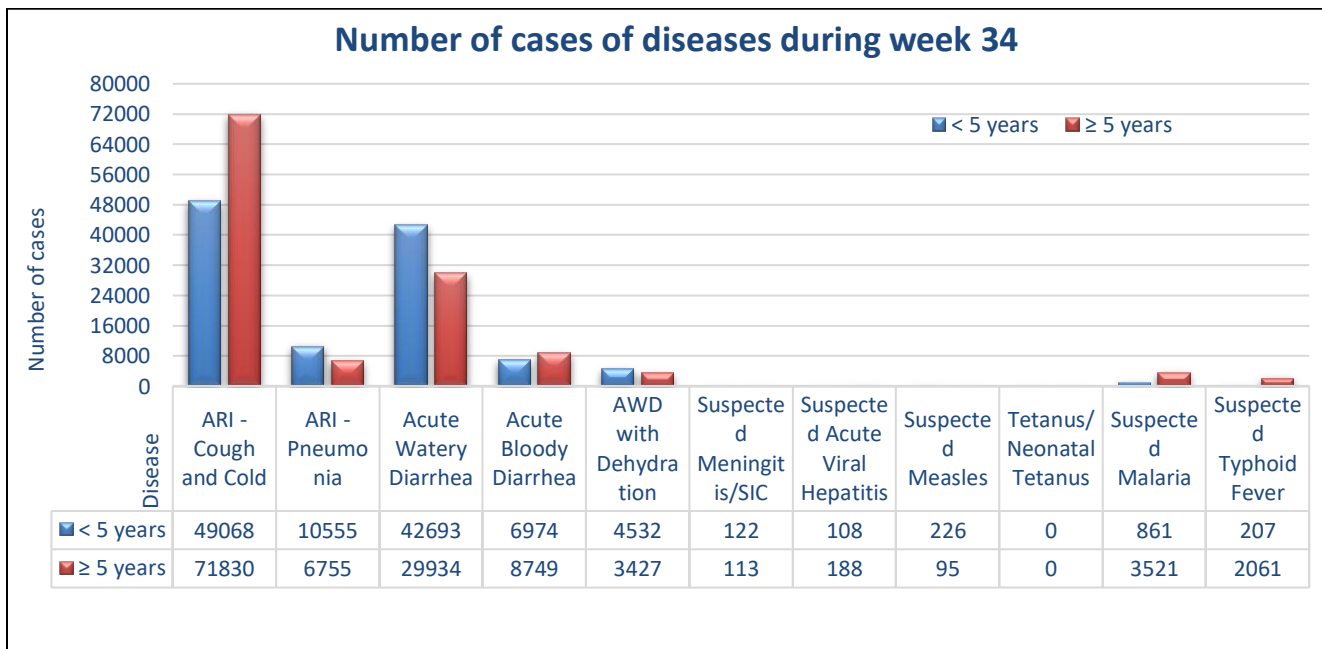


Figure 2: B



Seasonal Diseases:

Figure 3: A

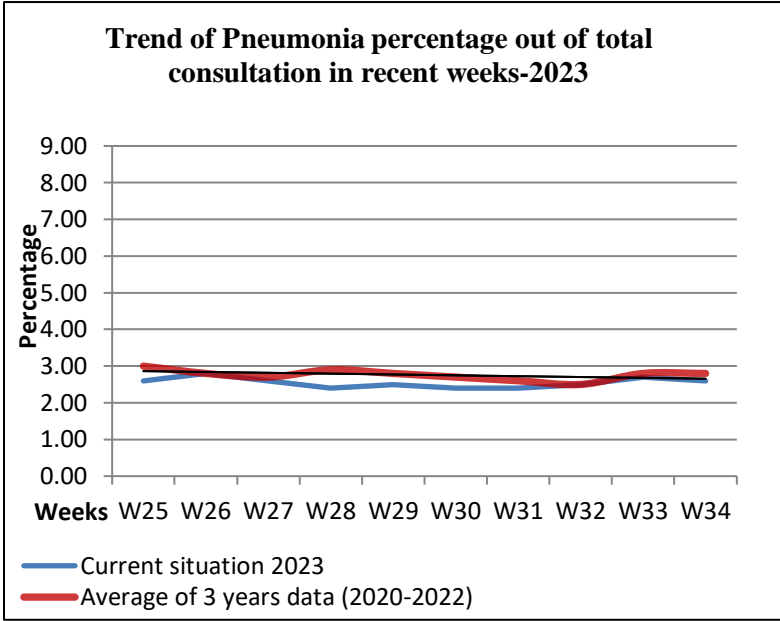


Figure 3: B

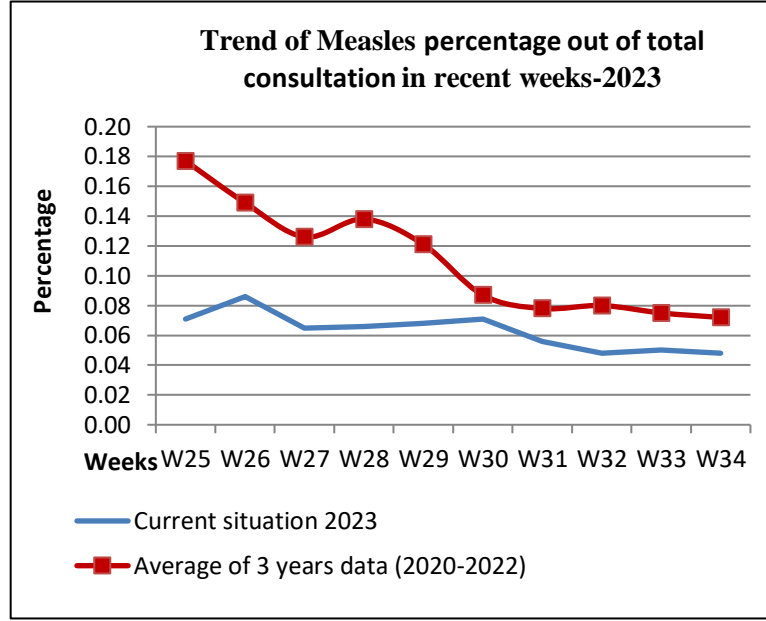


Figure 3: C

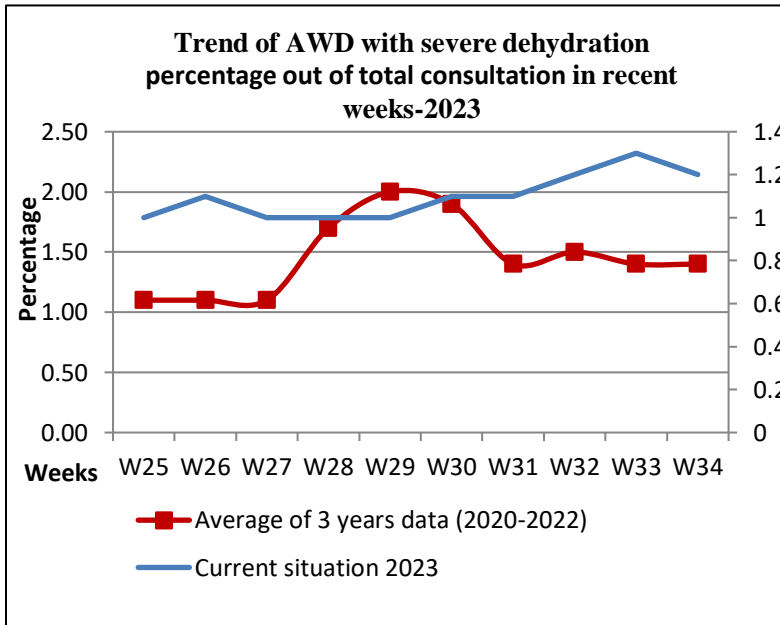


Figure 3: D

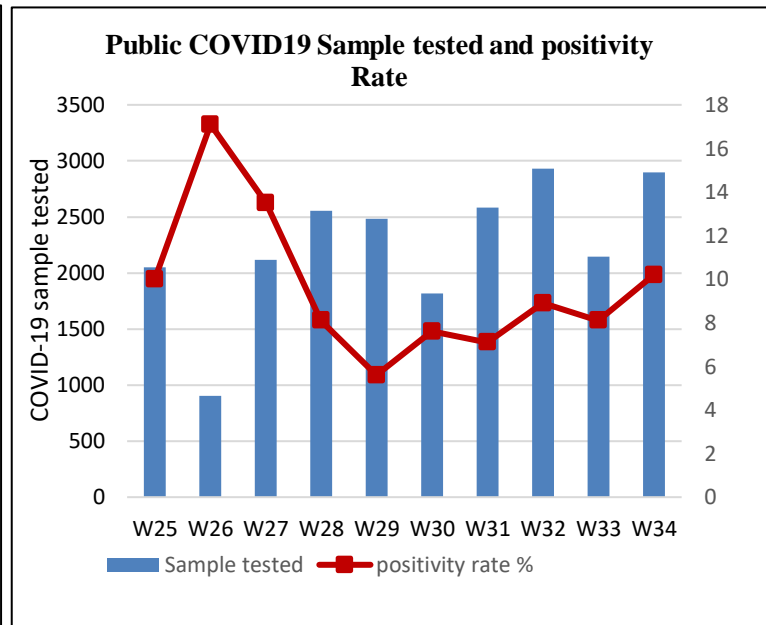


Table 3: Outbreaks in week 34th 2023:

Confirmed Malaria outbreaks form Badakhshan, Kapisa, Kandahar and Takhar province						
Reported dated	Province	District	Village	Total Cases	Total deaths	Recommendation
20/08/2021	Badakhshan	Faizabad	Fayzabad	4	0	During this week, 06 Confirmed Malaria were reported from Badakhshan, Kandahar, Kapisa and Takhar provinces, and case management was done, health education sessions were conducted for all the cases.
19/8/2023	Kapisa	Tagab	Karam Khail	2	0	
20/8/2023		Kohistan-2	Mo-Bek Khail	4	0	
21/08/2023	Kandahar	Arghestan	Shin Narai	94	0	
21/08/2023		Spin Boldak	Mula Wali	74	0	
20/08/2023	Takhar	Shareibuzurg	Wandian	38	0	

Suspected Measles outbreaks from Helmand, Kandahar and Urozgan provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
22/08/2023	Helmand	Marjah	Esmat Bazar	10	0	During this week, 03 Suspected Measles outbreaks were reported from Helmand, Kandahar and Urozgan provinces, and case management was done, health education sessions were conducted for all the cases.
21/08/2023	Kandahar	Shah Wali Kot	Sor Masjid	46	0	
21/08/2023	Urozgan	Tarinkot	Poti Kalach	11	0	

Clinical Chickenpox outbreaks form Herat, Ghazni and Zabul provinces						
Reported dated	Province	District	Village	Total Cases	Total deaths	Recommendation
23/08/2023	Herat	Injil	Qaizan Sangar	14	0	During this week, 03 Clinical Chickenpox outbreaks were reported from Herat, Ghazni and Zabul provinces, and case management was done. Health education sessions were conducted for all the cases.
24-08-2023	Ghazni	Center	Sharak Mahajreen	10	0	
21/08/2023	Zabul	Mizan	Shagholi Villag	19	0	

Suspected Scabies outbreaks from Kabul, Paktya and Takhar provinces						
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Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
20/08/2023	Kabul	District 8	Sare Tapa	16	0	During this week, 03 Suspected Scabies outbreaks were reported from Kabul, Paktya and Takhar provinces, and case management was done, health education sessions were conducted for all the cases.
23/08/2023	Paktya	Ahmad Aba	Salam Khil	27	0	
23/08/2023	Takhar	Kalafgan	Astana	19	0	

Food Poisoning outbreak from Kunduz and Parwan province

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
20/08/2023	Kunduz	Kunduz	Ortablaqi	7	0	During this week, 02 Food Poisoning outbreaks were reported from Kunduz and Parwan province, and case management was done, health education sessions were conducted for all the cases.
22/08/2023	Parwan	Bagram	Ghulam Ali	5	0	

Clinical Pertussis outbreaks from Kapisa and Nuristan provinces

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
21/8/2023	Kapisa	Center	Sayad	5	0	During this week, 02 Clinical Pertussis outbreaks were reported from Kapisa and Nuristan provinces, and case management was done, health education sessions were conducted for all the cases.
19/08/2023	Nuristan	norgram	Bara Gosh	84	0	

AWD outbreak form Paktya province

Reported dated	Province	District	Village	Total Cases	Total deaths	Recommendation
26/08/2023	Paktya	Zazi Aryub	Roqyan	04	0	During this week, 01 AWD outbreak was reported from Paktya province and case management was done. Health education session was conducted for all the cases.

CCHF outbreak from Sari Pul province

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
26/8/2023	Saripol	Sozmaqala	Sozmaqala	2	0	During this week, 01 CCHF outbreak was reported from Sari Pul province, and case management was done, health education session was conducted for all the cases.

Anthrax outbreak from Farah province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
21/08/2023	Farah	Purchaman	Kamarak	7	1	During this week, 01 Anthrax outbreak was reported from Farah province, and case management was done, health education session was conducted for all the cases.

Dog bite / suspected Rabies outbreak from Helmand province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
22/08/2023	Helmand	Garamsir	Masjidulhaq	7	0	During this week, 01 Dog bite/suspected Rabies outbreak was reported from Helmand province, and case management was done, health education session was conducted for all the cases.

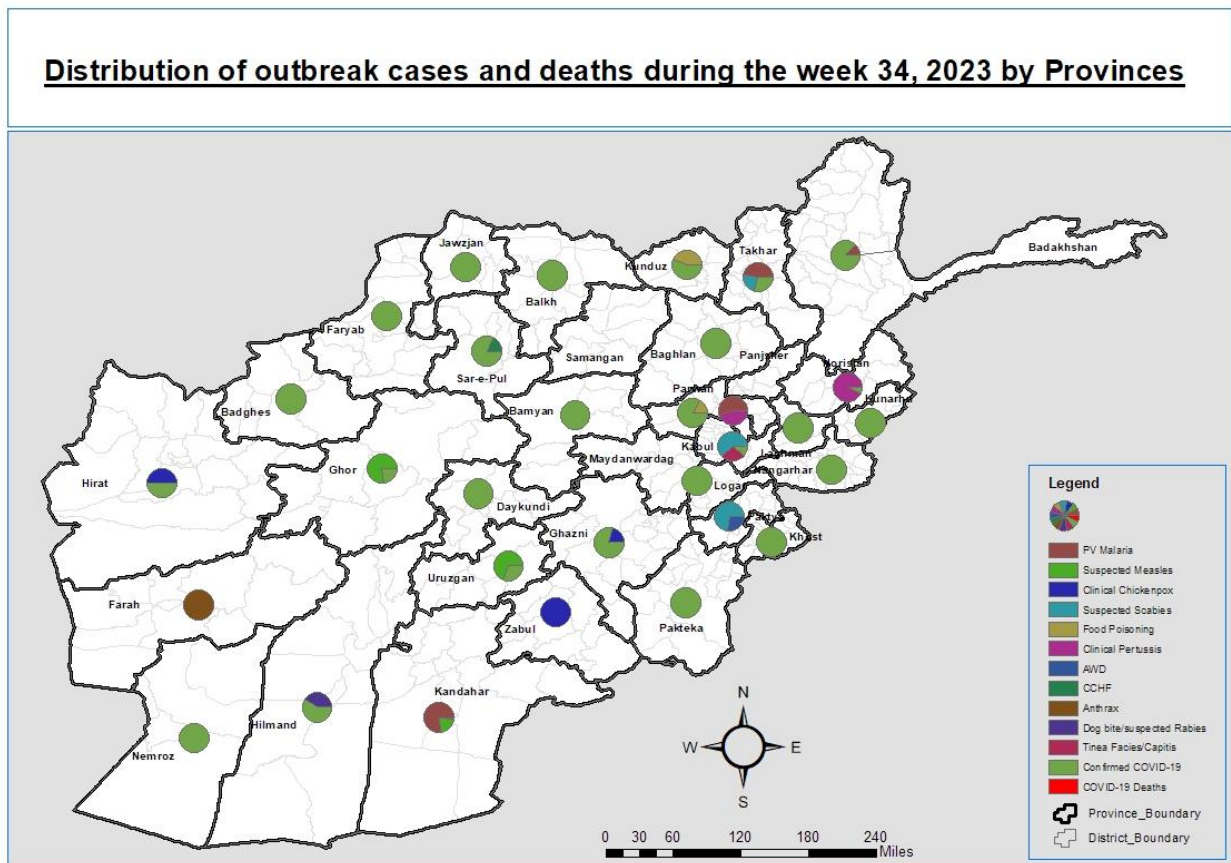
Tinea Capitis outbreak from Kabul province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
21/08/2023	Kabul	District 8	Camp 2 - Qala e Barqi	7	0	During this week, 01 Tinea Capitis outbreak was reported from Kabul province, and case management was done, health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 26 August 2023)

Disease/Event	Disease/Event	Lab Confirm	Total Cases	Total Deaths
Measles	173	103	2144	11
Suspected Chickenpox	157	4	2269	0
Scabies	131	0	5311	0
Mumps	50	0	801	0
Dog bites/Suspected Rabies	49	0	395	0
Pertussis	43	0	733	1
Pneumonia	28	1	1135	24
Malaria	20	13	1914	0
Leishmaniasis	11	2	914	0
CCHF	19	18	138	13
Food poisoning	15	0	631	0
Anthrax	9	0	31	1
Unknown Poisoning	4	0	388	0
Typhoid Fever	2	0	39	0
Acute Bloody diarrhea	2	0	124	0
ARI	2	0	113	2
COVID 19	1	1	99	0
Acute watery Diarrhea (Dehydration)	16	15	161	0
Tinea Capitis	2	0	21	0

Skin diseases	2	0	550	0
Tetanus	1	0	3	0
Acute Viral Hepatitis	1	1	10	0
Dengue fever	1	0	2	1
Cat bites/Suspected Rabies	1	0	5	0
Cow bites/Suspected Rabies	1	0	3	0
Suspected Botulism	2	0	8	4
Suspected Black Fungus	1	0	1	1
Vaccine reaction	1	0	4	0
Grand Total	745	158	17947	58

Figure 4: Confirmed Malaria, Suspected Measles, Clinical Chickenpox, Suspected Rabies, Food Poisoning, Clinical Pertussis, AWD, CCHF, Anthrax, Dog bites/Suspected Rabies, Tinea Capitis and Covid-19 cases and deaths during the week 34th 2023.



Laboratory surveillance:

A total of **4450** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **100** specimens were confirmed for Malaria, **17** specimens were confirmed for **Cholera**, **25** specimens were confirmed for **Measles**, **9** specimens were confirmed for Acute Viral Hepatitis, **05** specimens were confirmed for **CCHF** and **01** specimen was confirmed for **Dengue**, (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 34th 2023, we have received reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital

admissions, 13 7(3.9%) Severe Acute Respiratory Infections cases were reported and 52% were under 5 years old. The proportion of SARI cases was slightly decreased compared to week 33th 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 Kabul (21.0%), Bamyan (14.6%), and Baghlan (14%) 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:

This week, **2898** specimens were tested for suspected COVID-19. Out of which **295** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 10.2% this week, which increased 2.1 % compared to the previous week.
- Out of **295 confirmed** cases, **857** contacts out of **199** 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 **42655** passengers have been screened for COVID-19 at the points of entry in four provinces (Balkh, Herat, Kandahar and Nangarhar).

Challenges:

- ADW with severe dehydration / Cholera cases are on increasing trend as a public health concern during this season
- CCHF cases are a public health concern during this season
- Measles cases are still a public health concern in the country, this week **388 (IBS+EBS)** measles cases and **06 Measles deaths (IBS)** were reported to the surveillance system.
- ARI cough and cold cases are on the increasing (0.2%) trend compared to the last week
- ARI pneumonia cases are on the decreasing (0.1%) trend compared to the last week.
- AWD cases are on the decreasing (1.2%) trend compared to the last week
- Weak response system to outbreaks at the national level

Recommendations:

- Cholera preventive and control measure should be strengthened especially WASH program
- CCHF preventive and control measure should be strengthened
- 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 to respond to the current measles epidemic situation.
 - **EPI:** As the surveillance system detected **388 (IBS+EBS)** 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.