

Summary:

- Out of **613** functional Surveillance sentinel sites, **604 (98.5%)** have submitted reports this week.
- A total of **651,941** new consultations, of which **243,720 (37.4%)** were due to Surveillance targeted diseases. That included **128,687 (52.8%) males** and **115,033 (47.2%) females**. Also, **114,993 (47.2%)** under five years old and **128,727 (52.8%)** five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**147,285 = 22.6%** cases out of total new consultations), Acute Diarrheal Diseases (**67,257 = 10.3%** cases out of total new consultations), and Pneumonia (**21,637 = 3.3%** cases out of total new consultations).
- A total of **249** deaths were reported this week, of which **49 (19.6%)** were due to surveillance-targeted diseases, which include **34 pneumonia** deaths, **02 Suspected acute viral hepatitis** deaths, **08 Suspected Meningitis/ Severely ill Child** deaths, **03 Acute Watery Diarrhea with dehydration** deaths, **01 COVID-19** death and **01 Suspected Hemorrhagic Fever** death.
- In addition, during this week, **23** outbreaks were reported: **05 Clinical Scabies** outbreaks were reported from Kapisa, Zabul, Paktya and Samangan provinces, **03 Clinical Chickenpox** outbreaks were reported from Bamyan and Kandahar provinces, **03 Mumps** outbreaks were reported from Bamyan, Ghazni and Paktya provinces, **02 Dog bites or suspected Rabies** outbreaks were reported from Badakhshan and Helmand Provinces, **02 Lab confirmed Malaria** outbreaks were reported from Ghazni and Laghman provinces, **02 Suspected Measles** outbreaks were reported from Bamyan and Khost province, **01 Clinical Pertussis** outbreak was reported from Nuristan province, **01 Anthrax** outbreak was reported from Dykundi province, **01 AWD** (suspected Cholera) outbreak was reported from Kandahar province, **01 COVID-19** outbreak was reported from Bamyan province, **01 Suspected Jaundice** outbreak was reported from Badakhshan province and **01 Unknown poisoning** outbreak was reported from Baghlan province.
- Moreover, **249** COVID-19 confirmed cases and **246** suspected Measles cases were reported at the national level.

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

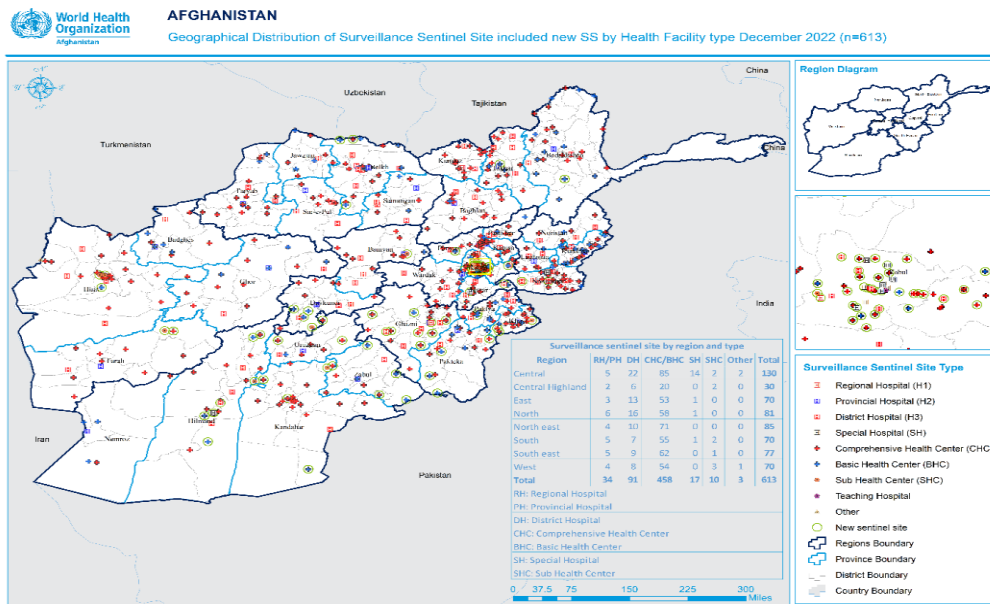


Table 1: Coverage of NDSR Surveillance System

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

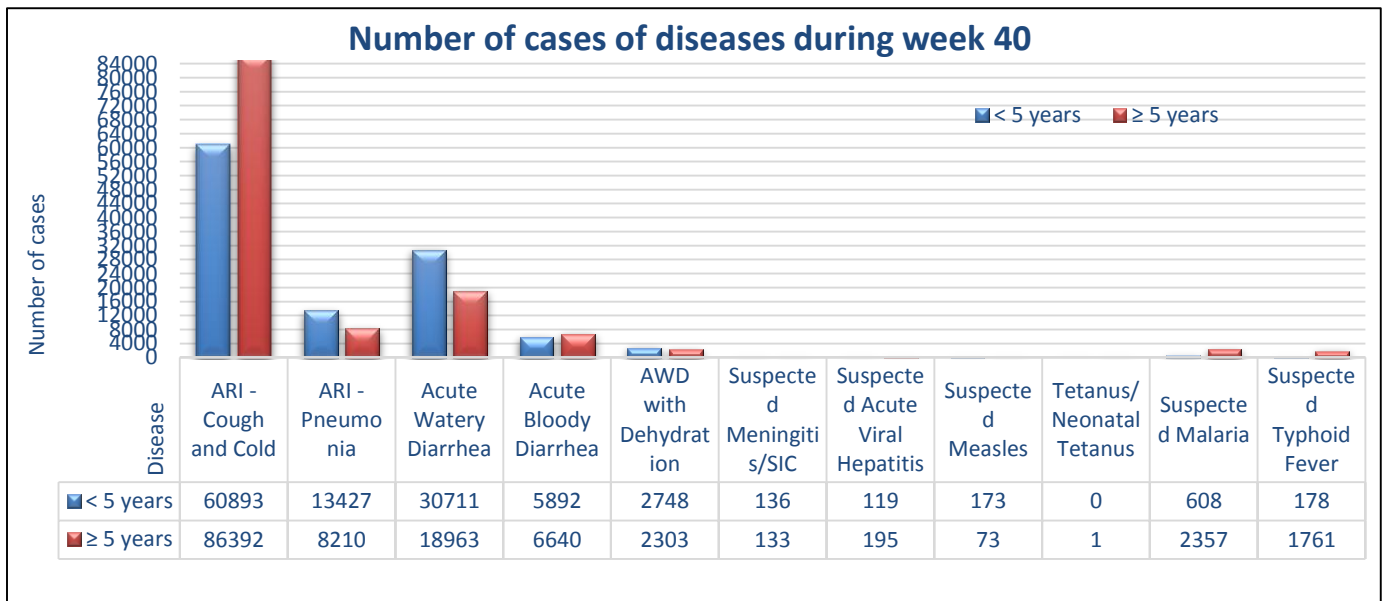
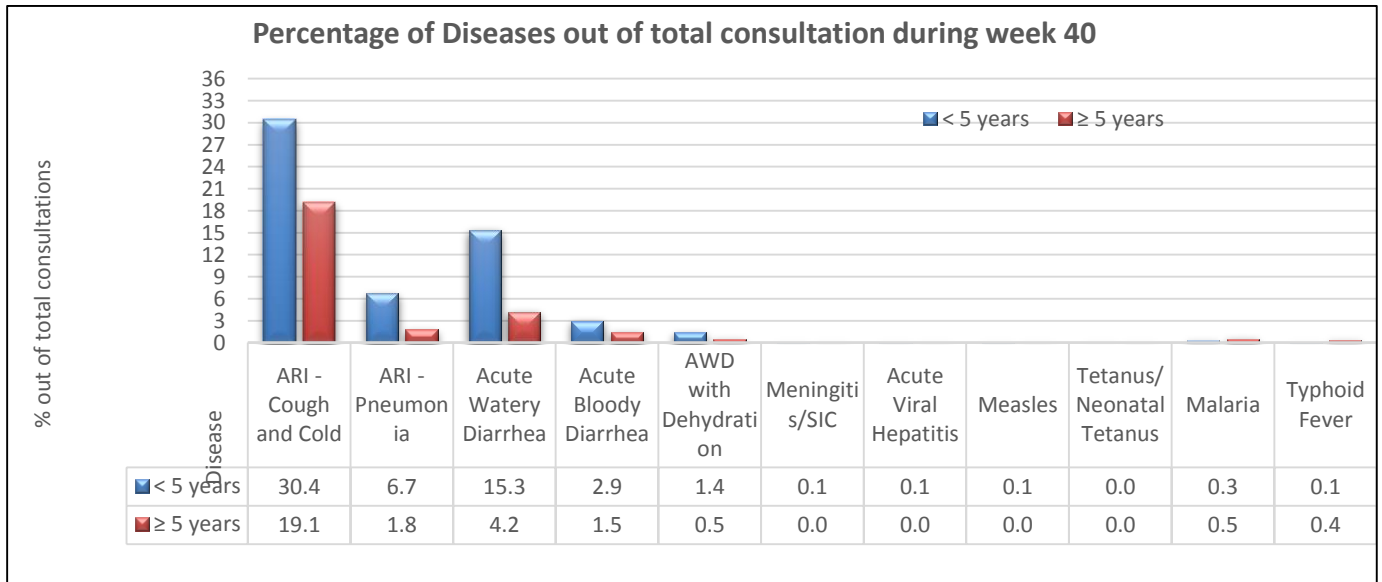


Figure 2: B

Seasonal Diseases:

Figure 3: A

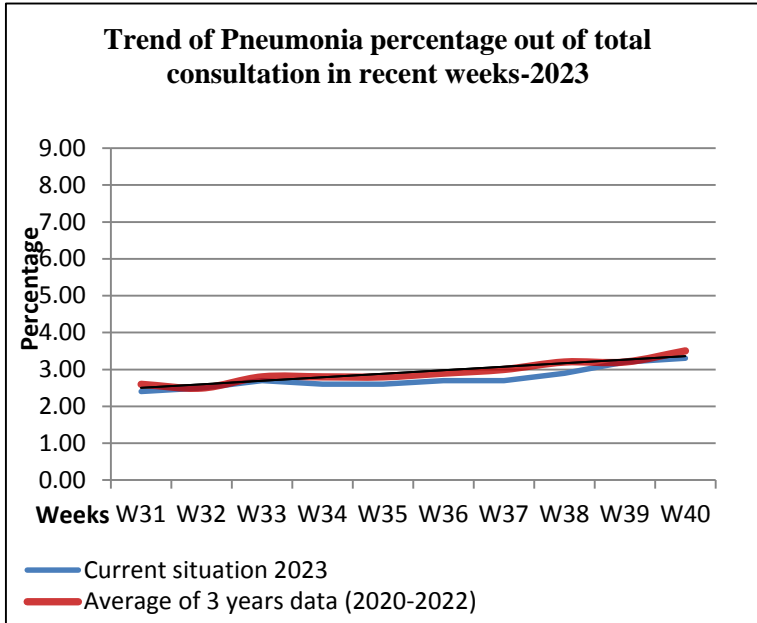


Figure 3: B

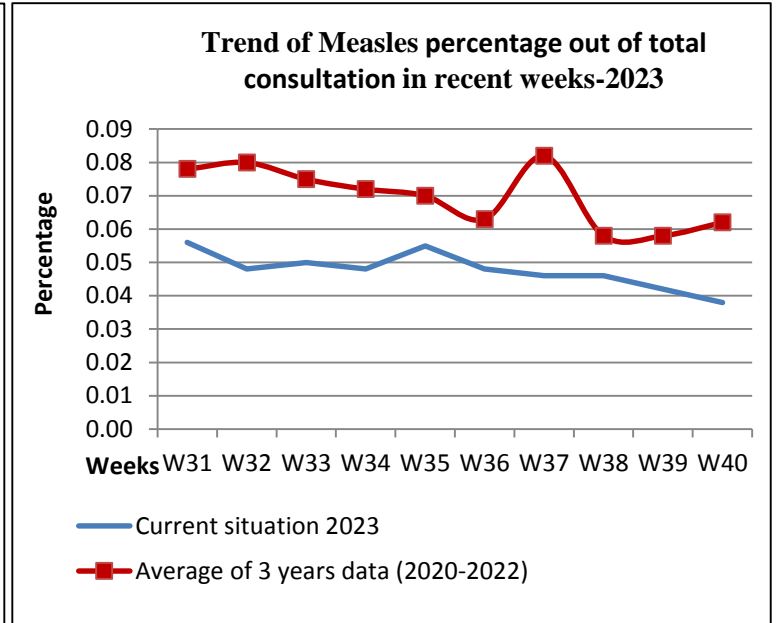


Figure 3: C

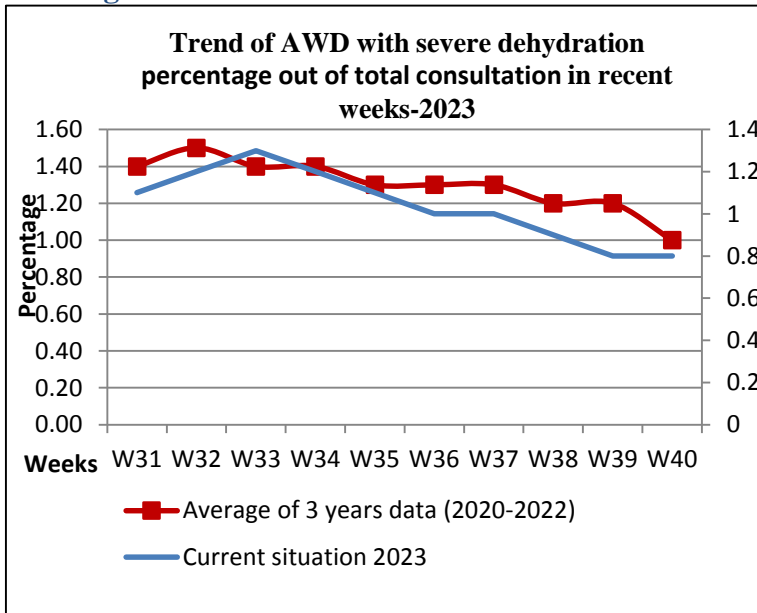


Figure 3: D

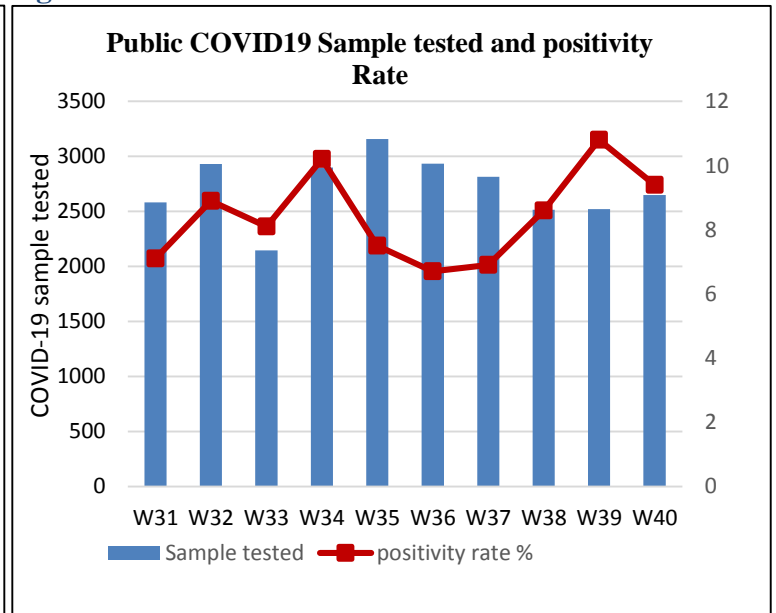


Table 3: Outbreaks in Week 40th 2023:

Clinical Scabies outbreaks from Kapisa, Zabul, Paktya and Samangan provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
05/10/2023	Kapisa	Center	Aroki Sofla	12	0	During this week, 05 Clinical Scabies outbreaks were reported from Kapisa, Zabul, Paktya and Samangan provinces, and case management was done, health education session were conducted for all the cases.
07/10/2023	Zabul	Qalat	Jahadi Madrasa	10	0	
02/10/2023	Paktya	Zurmat	Joghatyan	16	0	
06/10/2023		Sayed Karam	Kunder Khil	13	0	
01/10/2023	Samangan	Aybak	Children Prison	10	0	

Clinical Chickenpox outbreaks form Bamyan and Kandahar provinces						
Reported dated	Province	District	Village	Total Cases	Total deaths	Recommendation
01/10/2023	Bamyan	Panjab	Naiqul Village	34	0	During this week, 03 Clinical Chickenpox outbreaks were reported from Bamyan and Kandahar provinces and case management was done. Health education sessions were conducted for all the cases.
01/10/2023		Bamyan	Tay Buty	35	0	
03/10/2023	Kandahar	Kandahar City	12-Sub District	5	0	

Clinical Mumps outbreaks from Bamyan, Paktya and Ghazni provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
03/10/2023	Bamyan	Waras	Qul Omri, Mundawliad, Kaftarkhan, Qul Joi, Sarbom	33	0	During this week, 03 Clinical Mumps outbreaks were reported from Bamyan, Paktya and Ghazni provinces, and case management was done, health education sessions were conducted for all the cases.
03/10/2023	Paktya	Zurmat	Nekname Khil	9	0	
03/10/2023	Ghazni	Center	Moimubarak	8	0	

Suspected Measles outbreaks form Bamyan and Khost provinces

Lab confirmed Malaria outbreaks from Ghazni and Laghman provinces

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
02/10/2023	Ghazni	Qarabagh	Akarkoot CHC Shair	30	0	During this week, 02 Lab confirmed Malaria outbreaks were reported from Ghazni and Laghman provinces, and case management was done, health education sessions were conducted for all the cases.
03/10/2023	Laghman	Alishang	Kota Alinshan	30	0	

Suspected Dog bites/ suspected Rabies outbreaks from Badakhshan and Helmand provinces

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
01/10/2023	Badakhshan	Argo	Dehqankhana	3	0	During this week, 02 Dog bites/ suspected Rabies outbreak were reported from Badakhshan and Helmand provinces, and case management was done, health education sessions were conducted for all the cases.
04/10/2023	Helmand	Garamsir	Kharotti Bismillah	5	0	

Reported dated	Province	District	Village	Total Cases	Total deaths	Recommendation
01/10/2023	Bamyan	Shebar	Shunbol Village	16	0	During this week, 02 Suspected Measles outbreaks were reported from Bamyan and Khost provinces and case management was done. Health education sessions were conducted for all the cases.
01/10/2023	Khost	Matoon (Center)	Ponzaya	18	0	

AWD with severe dehydration outbreak from Kandahar province

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
01/10/2023	Kandahar	Maiwand	Qala-Shamir/ Mishak	2	1	During this week, 01 AWD with severe dehydration outbreak was reported from Kandahar, province, case management was done, health education session was conducted for all the cases.

Clinical Pertussis outbreak from Nuristan province

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
01/10/2023	Nuristan	wan waigal	Awram and Gumgal	22	0	During this week, 01 Clinical Pertussis outbreak was reported from Nuristan province, and case management was done, health education session was conducted for all the cases.

Suspected COVID-19 outbreak from Bamyan province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
03/10/2023	Bamyan	Waras	Daheyak,Gardo, Sukhtaql,Markazi, Jarak, Sare Sang, Amartak, Qulak, Warzang, Sar WARZANG	77	0	During this week, 01 Suspected COVID-19 outbreak was reported from Bamyan province, and case management was done, health education session was conducted for all the cases.

Suspected Jaundice outbreak from Badakhshan province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
01/10/2023	Badakhshan	Shareibozurg	Jogani	33	0	During this week, 01 suspected Jaundice outbreak was reported from Badakhshan province, and case management was done, health education session was conducted for all the cases.

Uknown Poisoning outbreak from Baghlan province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
02/10/2023	Baghlan	Baghlan Markazi	Hangaran	9	3	During this week, 01 Uknown Poisoning outbreak was reported from Baghlan province, and case management was done, health education session was conducted for all the cases.

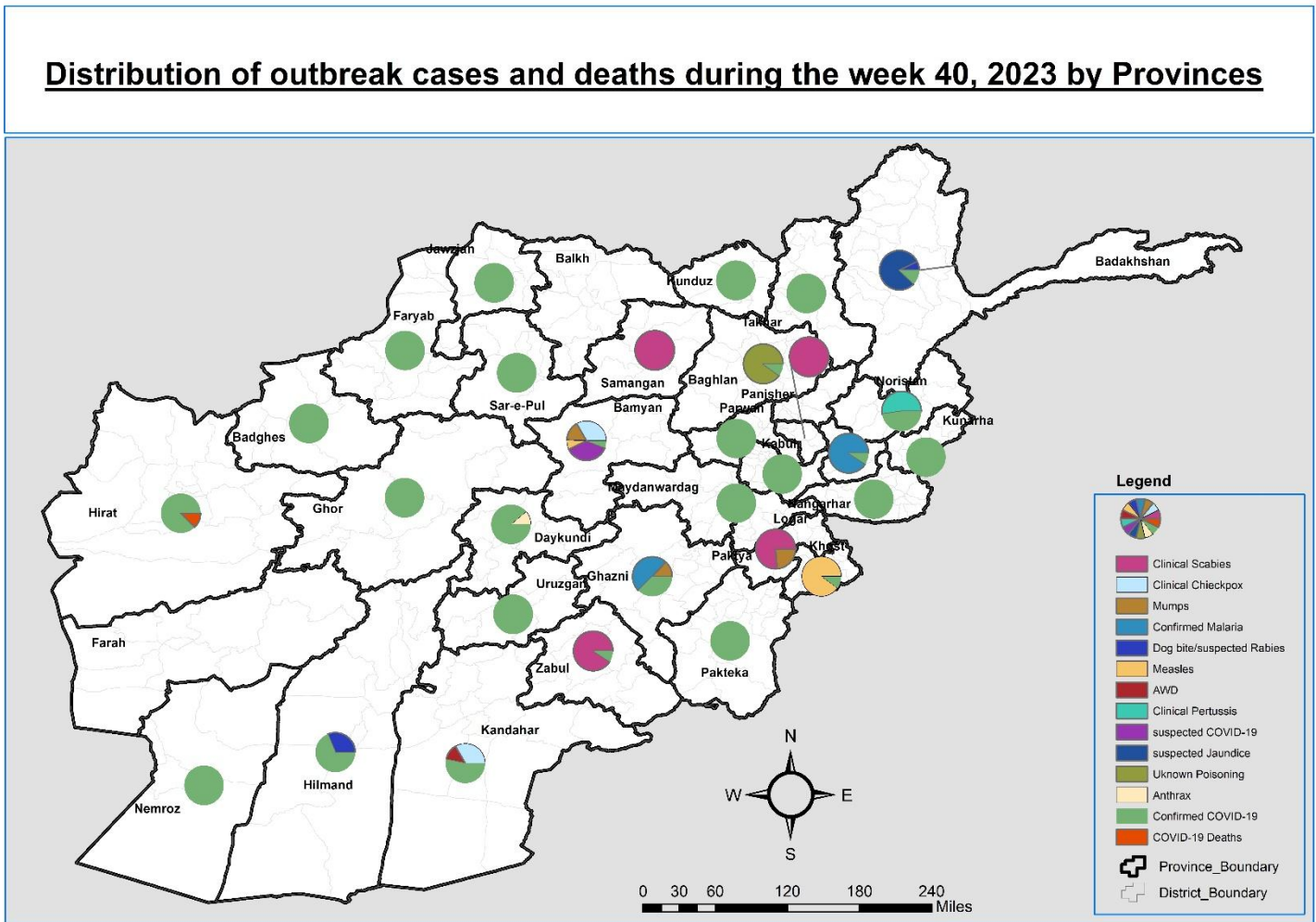
Anthrax outbreak from Dykundi province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
05/10/2023	Daykundi	Giti	Sare Tighan	1	0	During this week, 01 Anthrax outbreak was reported from Dykundi province, and case management was done, health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 07 October 2023)

Disease/Event	Disease/Event	Lab Confirm	Total Cases	Total Deaths
Measles	182	104	2235	11
Suspected Chickenpox	172	4	2554	0
Scabies	151	0	5677	0

Mumps	54	0	862	0
Dog bites/Suspected Rabies	59	0	442	1
Pertussis	54	0	861	1
Pneumonia	28	1	1135	24
Malaria	39	39	3020	0
Leishmaniasis	13	2	944	0
CCHF	23	23	147	13
Food poisoning	20	0	662	0
Anthrax	11	0	33	1
Unknown Poisoning	8	0	434	3
Typhoid Fever	3	1	105	3
Acute Bloody diarrhea	2	0	124	0
ARI	2	0	113	2
COVID 19	3	3	246	0
Acute watery Diarrhea (Dehydration)	46	43	265	1
Tinea Capitis	2	0	21	0
Skin diseases	3	0	571	0
Tetanus	1	0	3	0
Acute Viral Hepatitis	2	1	17	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
jaundice syndrome	1	0	33	0
Grand Total	886	221	20527	66

Figure 4: Clinical Scabies, Clinical Chickenpox, Clinical Mumps, Confirmed Malaria, Dog bite/ suspected Rabies, Measles, AWD with severe dehydration, Clinical Pertussis, Suspected COVID-19, Suspected Jaundice, Unknown Poisoning, Anthrax and Covid-19 cases and deaths during the week 40th 2023.



Laboratory surveillance:

A total of **4479** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **59** specimens were confirmed for Malaria, **30** specimens were confirmed for **Cholera**, **02** specimens were confirmed for **Measles**, **10** specimens were confirmed for Acute Viral Hepatitis, **10** specimens were confirmed for **Dengue Fever** (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 40th 2023, we have received reports from 08 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 154 (4.6%) Severe Acute Respiratory Infections cases were reported and 54% were under 5 years old. The proportion of SARI cases was slightly increased compared to week 39th 2023. 02 SARI-associated deaths were reported this week. At the 08 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Bamyan (16.1%), Baghlan (15.0%), and Kapisa (12.2%) provinces. During this Epi-week, our field staff shipped 51 SARI and 30 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

This week, **2650** specimens were tested for suspected COVID-19. Out of which **249** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 9.4% this week, which decreased 1.4 % compared to the previous week.
- Out of **249 confirmed** cases, **683** contacts out of **170** 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 **36,556** 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 **280 (IBS+EBS)** Measles cases were reported to the surveillance system.
- ARI cough and cold cases are on the decreasing (0.1%) trend compared to the last week.
- ARI pneumonia cases are on the increasing (0.1 %) trend compared to the last week.
- AWD cases are on the decreasing (1.1%) trend compared to the last week.
- Weak response system to outbreaks at the national level.

Recommendations:

- Cholera preventive and control measures should be strengthened especially WASH program.
- CCHF preventive and control measures 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 **280 (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.