

# Ministry of Public Health

## Monitoring Evaluation & Health Information System GD

### Diseases Surveillance Department

وزارت صحت عامه

د عامی روغتیا وزارت

ریاست عمومی نظارت ارزیابی و سیستم معلومات صحی

د څارنی ارزونی او روغتیايي معلوماتو د سیستم عمومی ریاست

دپييارتمنت سرويلانس امراض

د ناروغيو د سرويلانس دپييارتمنت

National Disease Surveillance  
& Response (NDSR)

## NDSR Weekly Epidemiological Report 46<sup>th</sup>

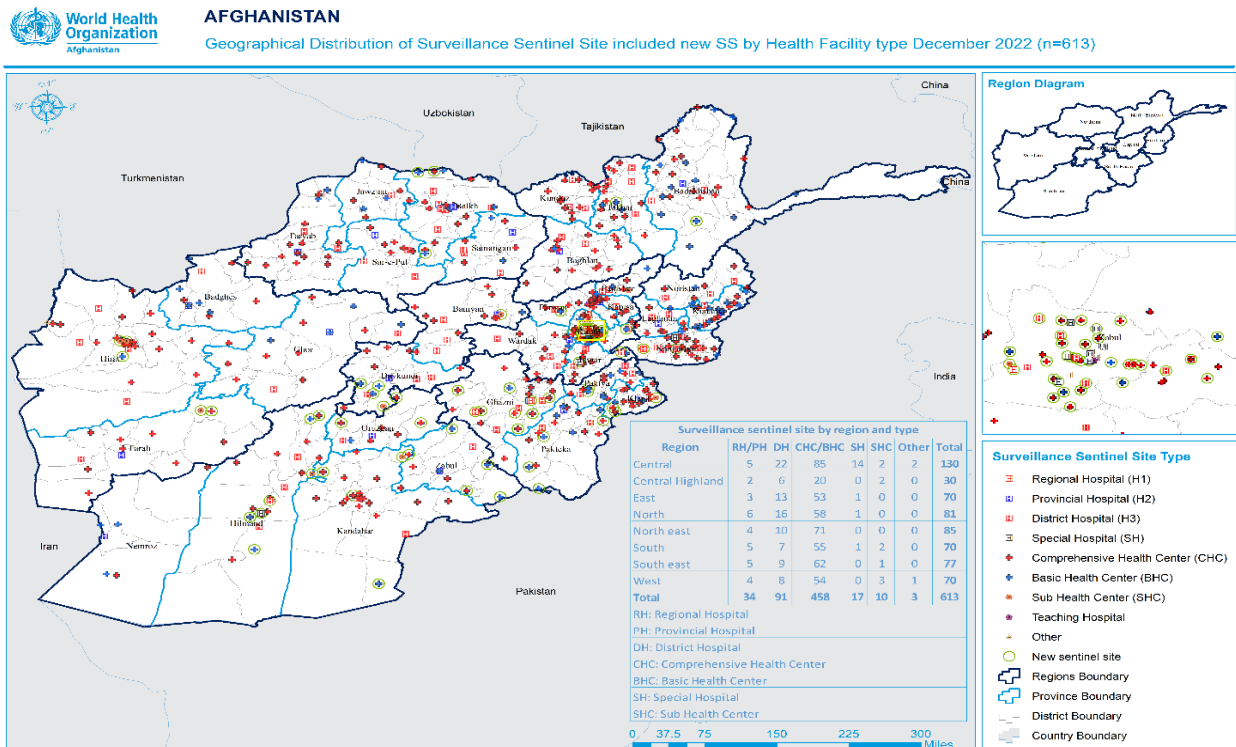
Date: 12 – 18 /11 - 2023

### Summary:

- Out of **613** functional Surveillance sentinel sites, **607 (99%)** have submitted reports this week.
- A total of **679,834** new consultations, of which **274,310 (40.3%)** were due to Surveillance targeted diseases. That included **145,353 (53%) males** and **128,957 (47%) females**. Also, **126,700 (46.2%)** people under five years old and **147,610 (53.8%)** five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**184,381 = 27.1%** cases out of total new consultations), Acute Diarrheal Diseases (**51,495 = 7.6%**) cases out of total new consultations, and Pneumonia (**32,133= 4.7%** cases out of total new consultations).
- A total of **309** deaths were reported this week, of which **74 (24%)** were due to surveillance-targeted diseases, which include **56 ARI Pneumonia** deaths, **09 Suspected Meningitis/ Severely ill Child** deaths, **01 COVID-19** death, **05 Suspected acute viral hepatitis** deaths, **02 Acute Watery Diarrhea with Dehydration** deaths and **01 Measles** death.
- In addition, during this week, **12** outbreaks were reported: **06 Clinical Scabies** outbreaks were reported from, Kabul, Kunduz and Panjshir provinces, **03 Chickenpox** outbreaks were reported from Badakhshan, Herat and Kabul Provinces, **02 AWD** outbreaks were reported from Nangahar and Urozgan Provinces and **01 Dog bites/ Suspected Rabies** outbreak was reported from Kabul Province,

Moreover, **309** COVID-19 confirmed cases and **299** suspected Measles cases were reported at the national level.

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



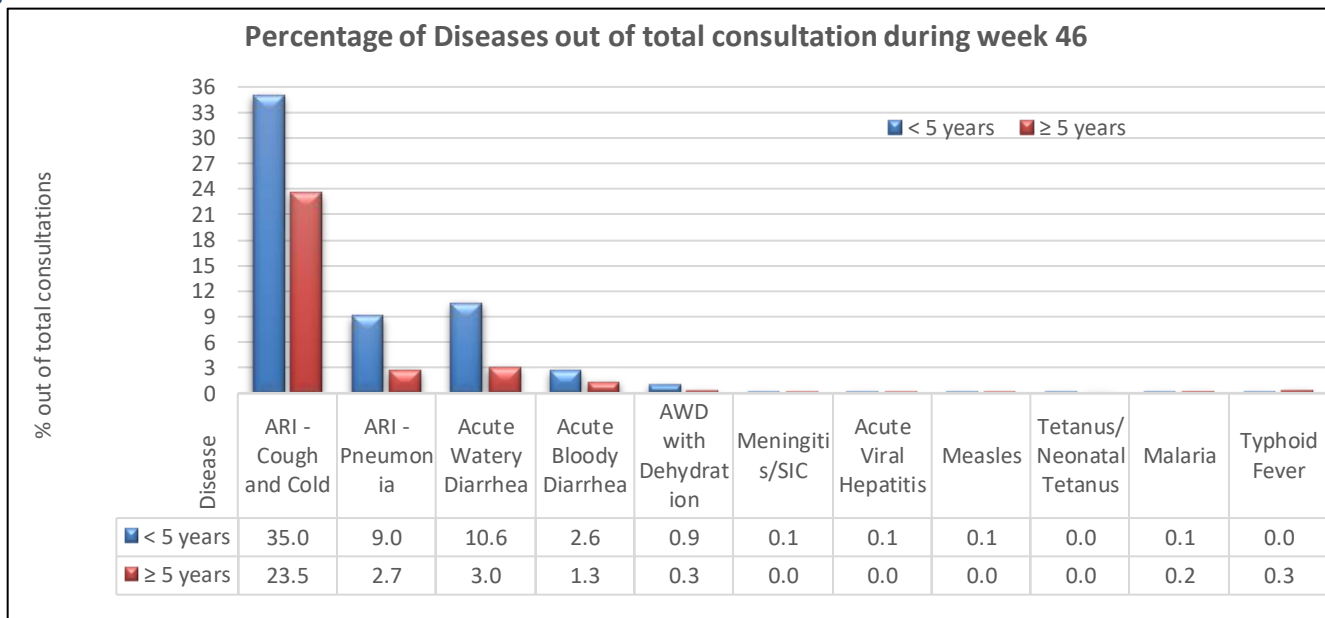
**Table 1: Coverage of NDSR Surveillance System**

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ Special Hospital	SHC	Other	Total
<b>Total Health Facilities (HF)</b>	8	27	91	437	900	36	1,106	2,093	4,698
<b>HF covered by NDSR-Plus</b>	8	26	90	348	111	17	10	3	613

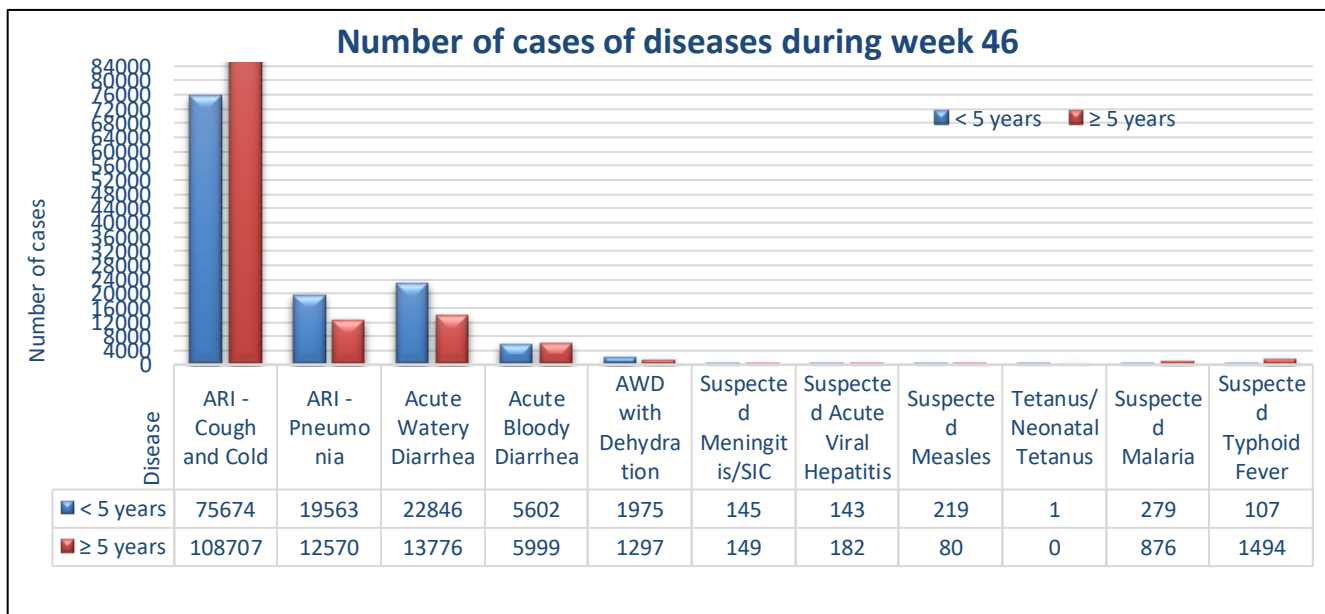
**Indicator – based Surveillance (IBS):**

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

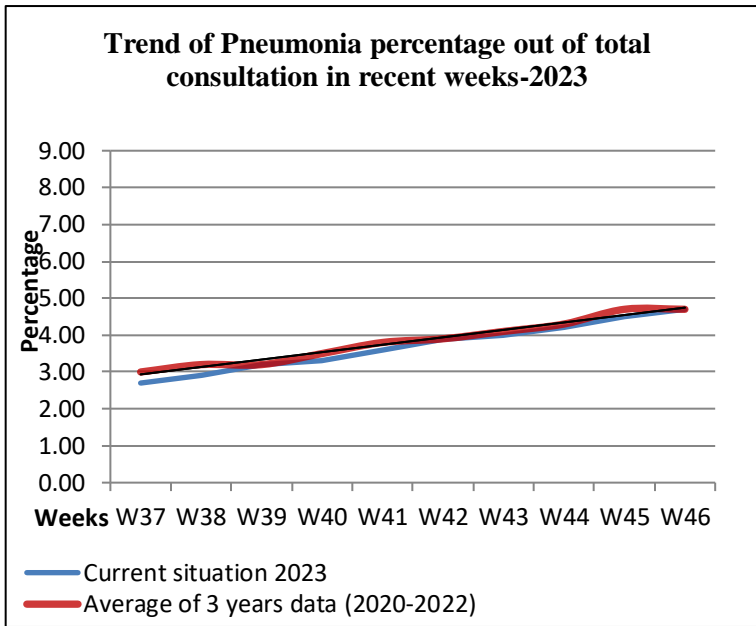


Figure 3: B

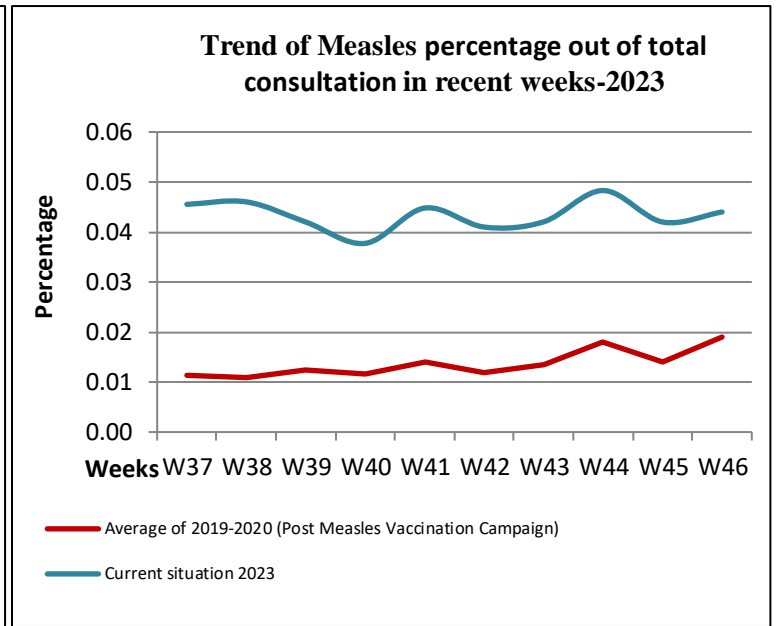


Figure 3: C

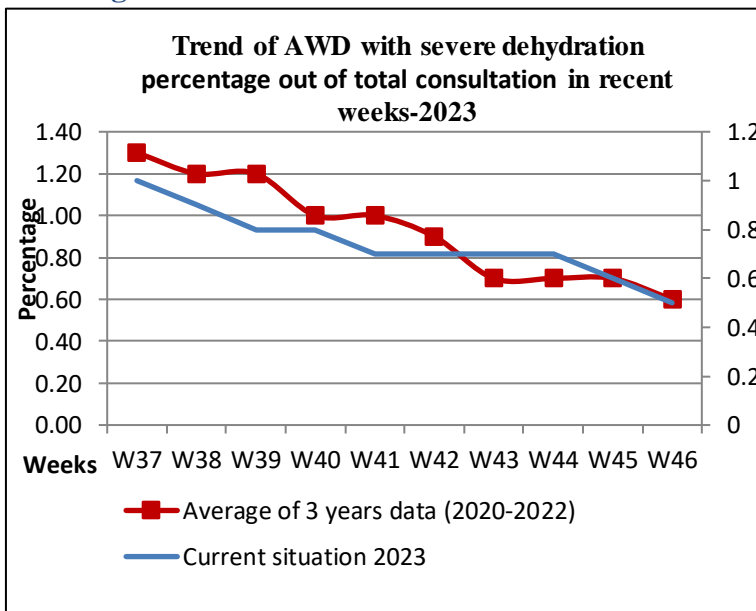
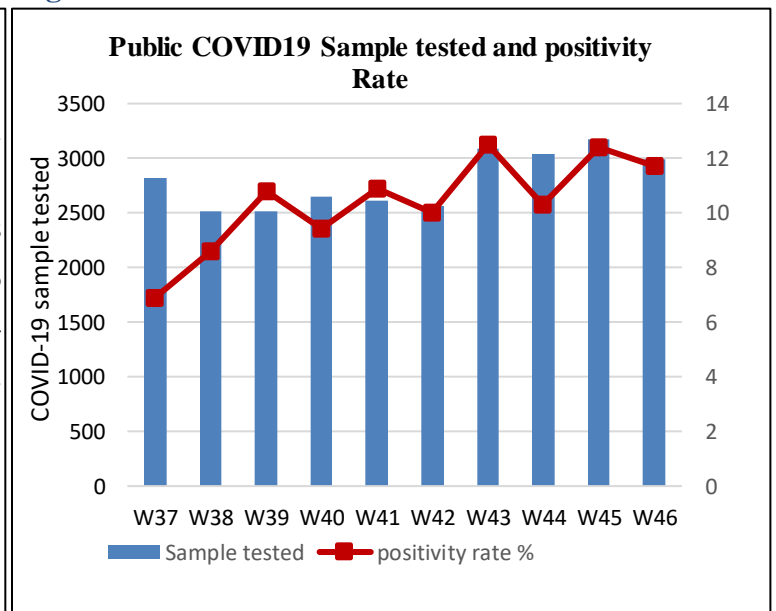


Figure 3: D



**Table 3: Outbreaks in Week 46<sup>th</sup> 2023:**

Clinical Scabies outbreaks from Kabul, Kunduz and Panjshir provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
12/11/2023	Kabul	Bagrami	Shewaki	9	0	During this week, 06 <b>Clinical Scabies</b> outbreaks were reported from Kabul, Kunduz and Panjshir provinces, and case management was done, health education sessions were conducted for all the cases.
13/11/2023		District 21	Shahrak Tarakheil	8	0	
16/11/2023		District 8	Aab Rasanee - Karte Naw	19	0	
12/11/2023		District 1	Sang Naweshta	6	0	
14/11/2023	Kunduz	Emam Sahib	Gajir	48	0	
14/11/2023	Panjshir	Rukha	Dashtak	6	0	

Clinical Chickenpox outbreaks from Badakhshan, Herat and Kabul provinces						
Reported dated	Province	District	Village	Total Cases	Total deaths	Recommendation
14/11/2023	Badakhshan	Shighnan	Andiz	9	0	During this week, 03 <b>Clinical Chickenpox</b> outbreaks were reported from Badakhshan, Herat and Kabul provinces and case management were done. Health education sessions were conducted for all the cases.
14/11/2023	Herat	Injil	Ali Abad	11	0	
18/11/2023	Kabul	District 8	Bini Hesar	6	0	

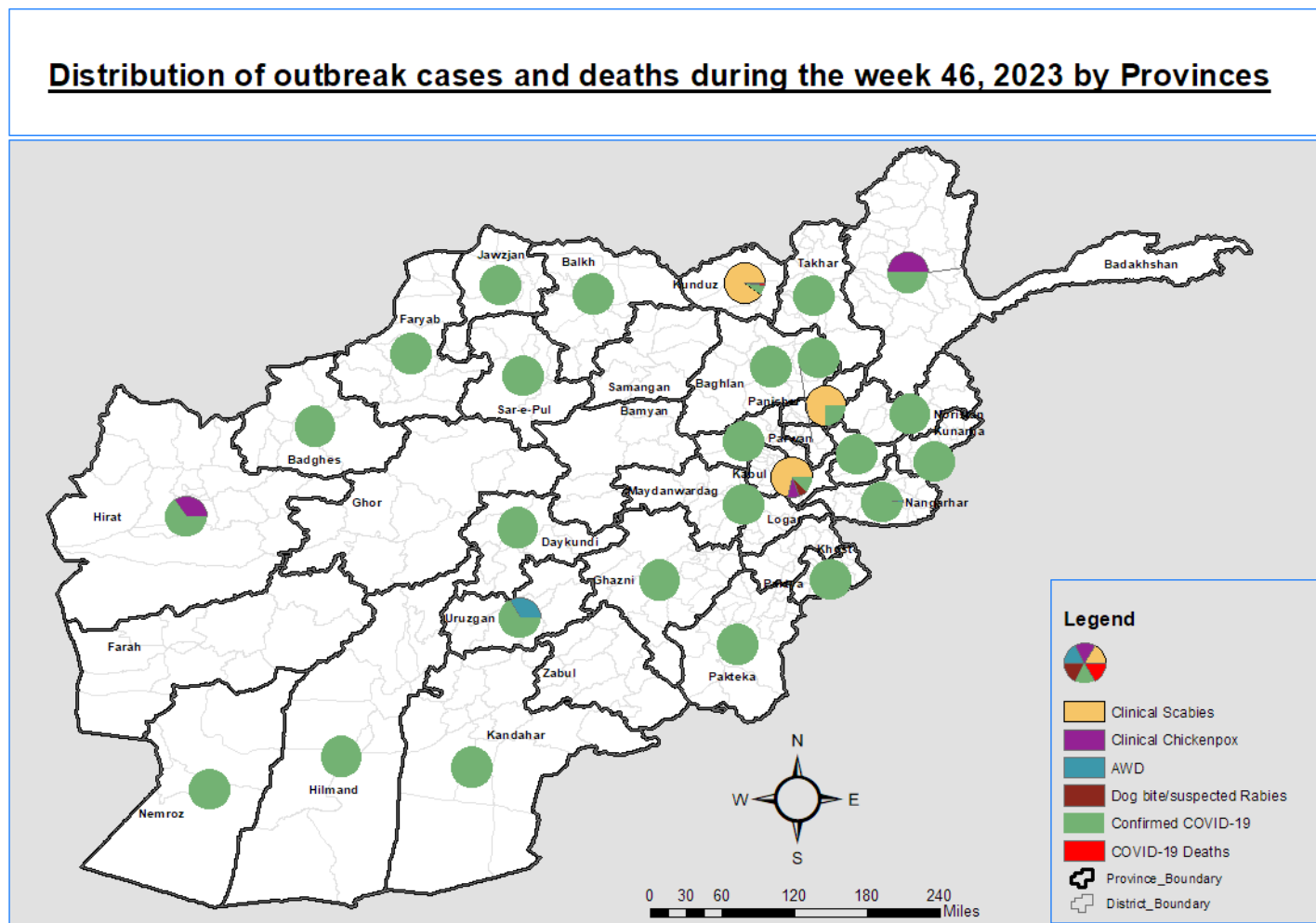
AWD outbreaks from Nangarhar and Urozgan provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
14/11/2023	Nangarhar	6 <sup>th</sup> Zone + S141Jalalabad	Khalis Family	2	0	During this week, <b>02 AWD</b> outbreaks were reported from Nangarhar and Urozgan provinces, case management was done, health education sessions were conducted for all the cases.
12/11/2023	Urozgan	Tarin-Kot	Sola	3	0	

Dog bite/suspected Rabies outbreak from Kabul province						
Reported dated	Province	District	Village	Total Cases	Total deaths	Recommendation
18/11/2023	Kabul	District 7	Chehel stoon	4	0	During this week, 01 <b>Dog bite/suspected Rabies</b> 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 018 November 2023)**

<b>Disease/Event</b>	<b>Disease/Event</b>	<b>Lab Confirm</b>	<b>Total Cases</b>	<b>Total Deaths</b>
Measles	190	120	2353	11
Suspected Chickenpox	194	6	2789	0
Scabies	187	0	6693	0
Mumps	56	0	895	0
Dog bites/Suspected Rabies	71	0	545	2
Pertussis	56	0	935	1
Pneumonia	28	1	1135	24
Malaria	41	41	3139	0
Leishmaniasis	17	2	1073	0
CCHF	24	24	149	13
Food poisoning	21	0	670	0
Anthrax	14	0	37	1
Unknown Poisoning	10	0	450	3
Typhoid Fever	3	1	105	3
Acute Bloody diarrhea	2	0	124	0
ARI	3	0	152	2
COVID 19	4	4	287	0
Acute watery Diarrhea (Dehydration)	56	53	282	2
Tinea Capitis	2	0	21	0
Skin diseases	3	0	571	0
Tetanus	1	0	3	0
Acute Viral Hepatitis	3	1	34	0
Dengue fever	1	0	2	1
Cat bites/Suspected Rabies	1	0	5	0
Cattle bites/Suspected Rabies	2	0	9	0
Suspected Botulism	3	0	10	5
Suspected Black Fungus	1	0	1	1
Vaccine reaction	1	0	4	0
Jaundice syndrome	1	0	33	0
Pink eye (Viral conjunctivitis)	4	0	46	0
<b>Grand Total</b>	<b>1000</b>	<b>253</b>	<b>22552</b>	<b>69</b>

**Figure 4** Clinical Scabies, Clinical Chickenpox, AWD, Dog bite/Suspected Rabies, COVID-19 Cases, and deaths during the week 46<sup>th</sup> 2023.



### Laboratory surveillance:

A total of **4663** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **30** specimens were confirmed for Malaria, **12** specimens were confirmed for **Cholera**, **03** specimens were confirmed for **Acute Influenza cases**, **02** specimens were confirmed for **Measles**, **37** specimens were confirmed for Acute Viral Hepatitis and **31** specimens were confirmed for **Dengue Fever**, **01 specimen was confirmed for CCHF** (Follow-up by the CPHL is going on).

### Influenza Surveillance activities:

In Epidemiological week 46<sup>th</sup> 2023, we have received reports from 10 out of 10 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamiyan, Baghlan, Nangarhar, Kapisa, Paktia and Badakhshan). Out of all new hospital admissions, 486 (9.8%) Severe Acute Respiratory Infections cases were reported and 55% were under 5 years old. The proportion of SARI cases decreased compared to week 45<sup>th</sup> 2023. Nine SARI-associated deaths were reported this week. At the 10 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Bamiyan (28%), Kapisa (26.1%), and Kandahar (17%) provinces. During this epi-week, our field staff shipped 60 SARI and 40 ILI specimens to the National Influenza Center (NIC).

### COVID-19 Surveillance activities:

This week, **2993** specimens were tested for suspected COVID-19. Out of which **309** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 10.3% this week, which increased 0.2% compared to the previous week.
- Out of **309 confirmed** cases, **836** contacts out of **226** 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 **52,691** passengers have been screened for COVID-19 at the points of entry in four provinces (Balkh, Herat, Kandahar and Nangarhar).

### Challenges:

- Measles cases are still a public health concern in the country. This week, **299 (IBS+EBS)** Measles cases were reported to the surveillance system.
- Scabies cases are on increasing trend as a public health challenge due to unimproved lifestyle of the community.
- Chickenpox cases are on increasing trend, and it is recommended to provide its vaccine through the national EPI.
- Dog-bite cases are on increasing trend, and it is recommended to provide its control measure through the Zoonotic committee in national level.
- ARI cough and cold cases are on the increasing trend (0.6%) compared to the previous week.
- Pneumonia cases are on the increasing trend (0.2%) compared to the previous week.
- Diarrheal diseases are on the decreasing trend (0.5%) compared to the previous week.
- CCHF preventive and control measures should be strengthened.
- COVID-19 preventive and control measures should be strengthened.
- Public awareness regarding ARI 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 **299 (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.