

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 09th

Date: 26 /02/ - 04 /03/ 2023

Summary:

- Out of **613** functional Surveillance sentinel sites, **589 (96.1%)** have submitted reports this week.
- A total of **627,131** new consultations, **231,493 (36.9%)** were due to Surveillance targeted diseases. That included **123,438 (53.3%)** males and **108,055 (46.7%)** females. Also, **106,853 (46.2%)** under five years old and **124,640 (53.8%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **158,507 (25.3%)** cases out of total new consultations, Acute Diarrheal Diseases **36,007 (5.7%)** cases out of total new consultations, and Pneumonia **31,616 (5%)** cases out of total new consultations.
- A total of **204** deaths were reported this week, of which **58 (28.5%)** deaths were due to Surveillance targeted diseases, which include **46 Pneumonia** deaths, **06 Suspected Meningitis/ Severely Ill Child** deaths, **03 Pregnancy-related** deaths, **02 Suspected Acute Viral Hepatitis** deaths and **01 COVID19** death.
- In addition, during this week **26** outbreaks were reported (**07 Clinical Scabies** outbreaks were reported from **Baghlan, Kapisa, Laghman, Nimroz, and Paktya** provinces, **05 Suspected Chickenpox** outbreaks were reported from **Badakhshan, Helmand, Nimroz and Parwan** Provinces, **04 Suspected Mumps** outbreaks were reported from **Badakhshan, Baghlan, Nimroz and Takhar** Provinces, **03 Suspected Measles** outbreaks were reported from **Nangarhar, Khost and Kunar** Provinces, **02 Suspected Typhoid Fever** outbreaks were reported from **Helmand** Province **04 Dog bite/Suspected Rabies** outbreaks were reported from **Helmand, Ghazni, Badakhshan and Balkh** provinces, and **01 Suspected Pertussis** was reported from **Nuristan** Province.
- Moreover, **126** COVID-19 confirmed cases and **844** Suspected **Measles** cases and 3 deaths were reported at national level.

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

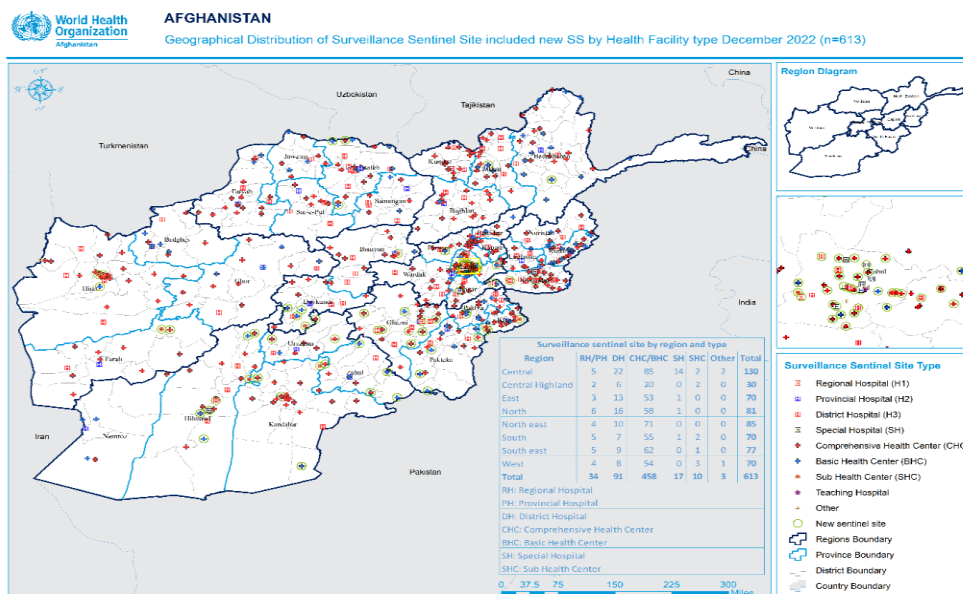


Table 1: Coverage of NDSR Surveillance System

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 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

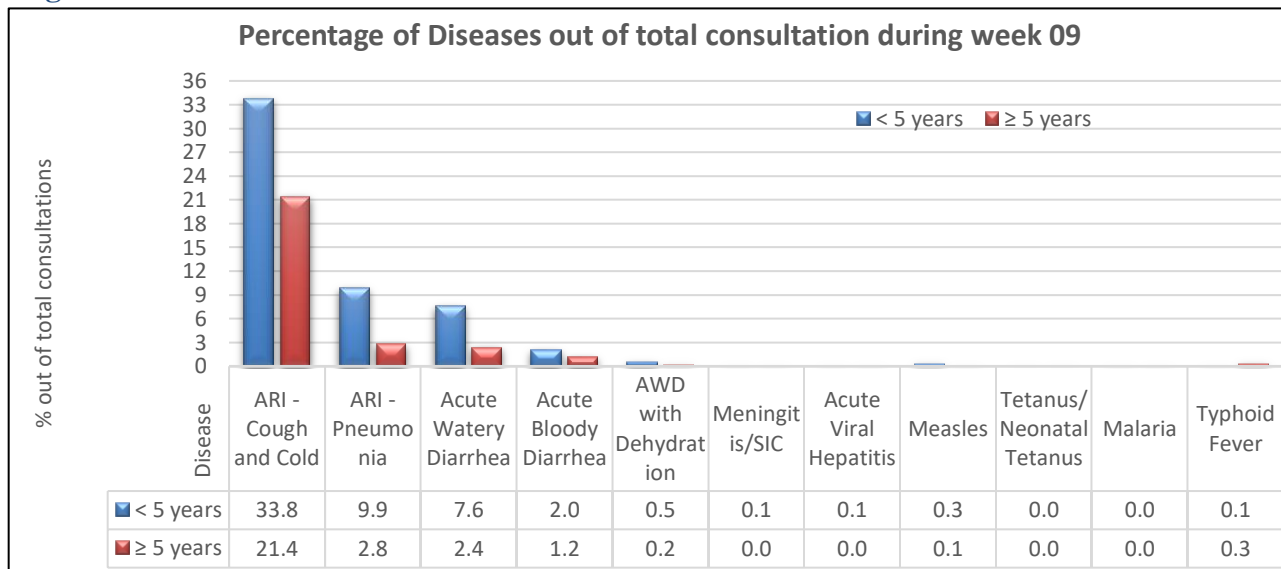


Figure 2: B

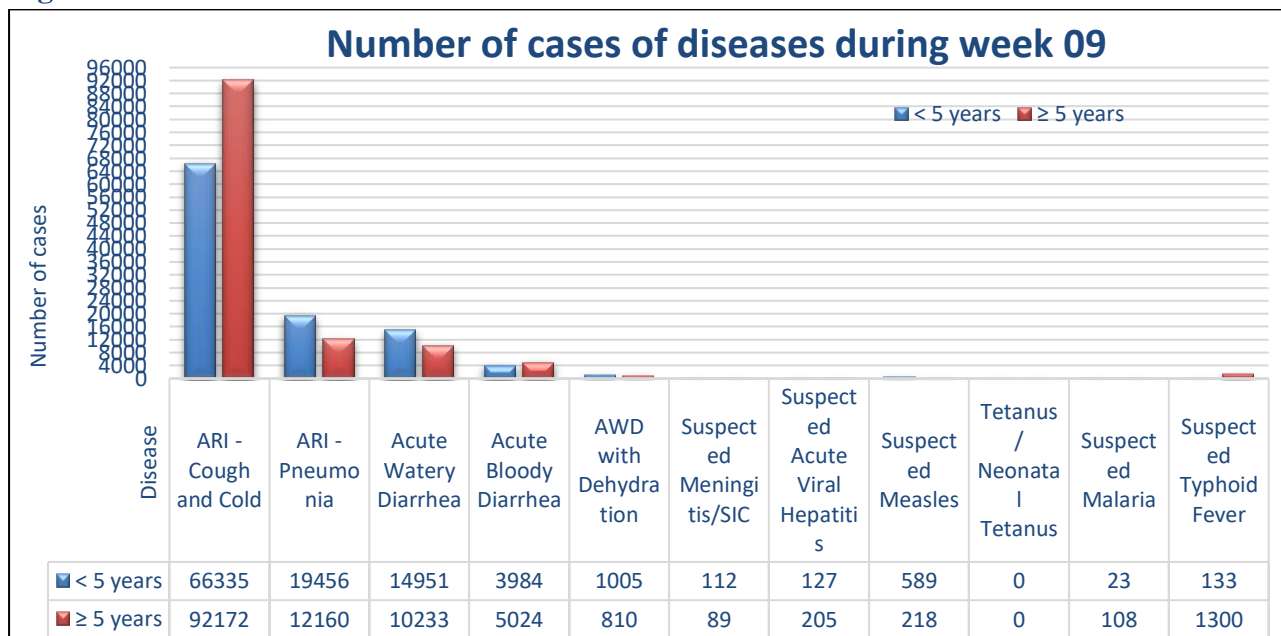


Table 2: IBS Cases and deaths due to VPDs by age group during week 09th 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	589	218	807	0	0	0	0.00
Suspected Pertussis	3	0	3	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

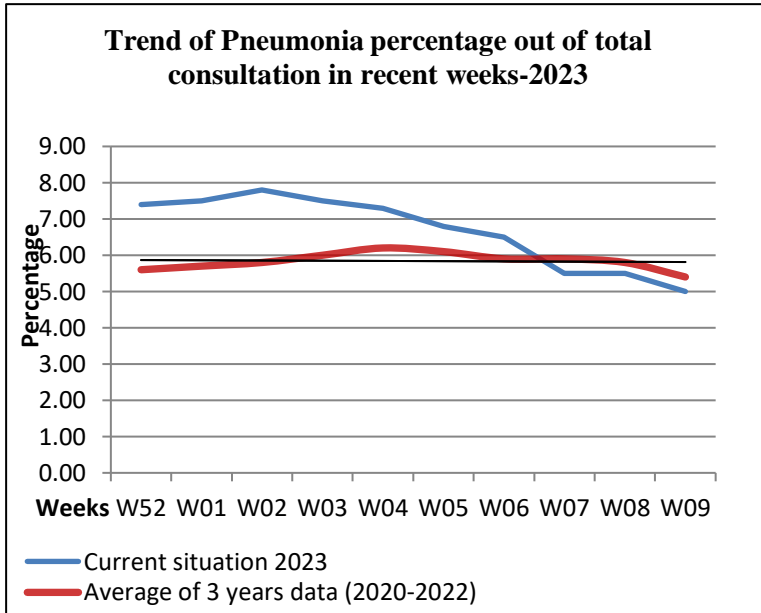


Figure 3: B

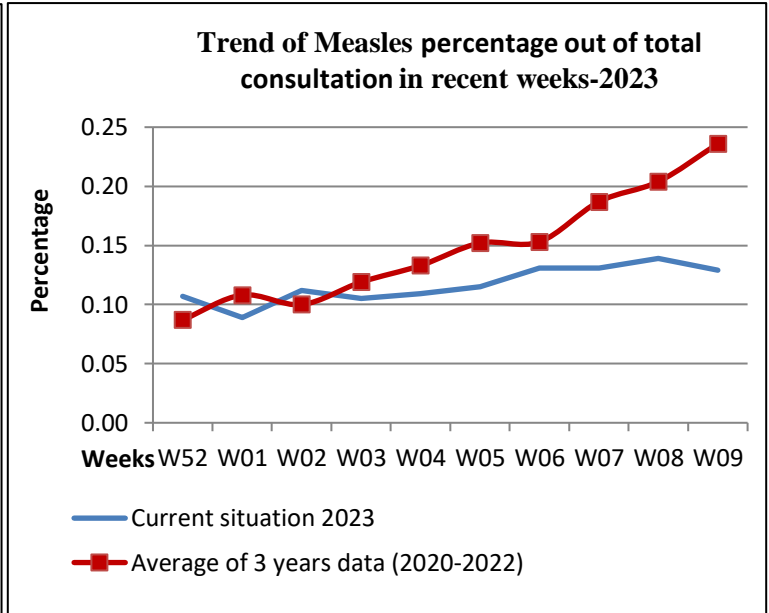


Figure 3: C

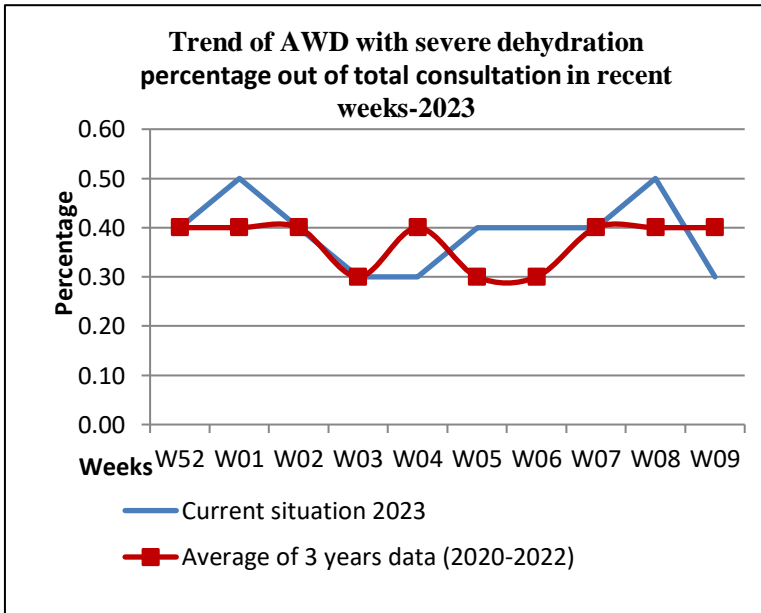


Figure 3: D

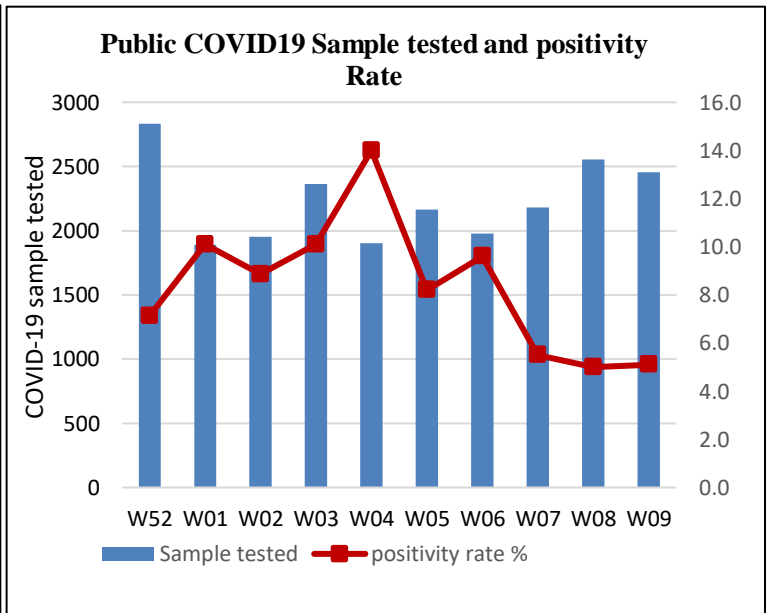


Table 3: Outbreaks in week 09th 2023:

Clinical Scabies outbreaks from, Baghlan, Kapisa, Laghman, Nimroz, and Paktya provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
3/1/2023	Baghlan	Pulikhumeri	Shamarq	9	0	During this week 07 Clinical Scabies outbreaks were reported from Baghlan, Kapisa, Laghman, Nimroz, and Paktya provinces , case management was done. Health education sessions were conducted for all the cases.
01/03/2023	Kapisa	Center	Jamche	12	0	
26/02/2023			Korataza&Chaman	34	0	
25/2/2023	Laghman	Mehterlam	Shamati Village	78	0	
03/04/2023	Nimroz	Delaram	AB Raziq	7	0	
25/02/2023	Paktya	Ahmadaba	Mamozee	19	0	
28/02/2023		Sayidkaram	Mia khil	18	0	

Suspected chickenpox outbreaks from Badakhshan, Helmand, Nimroz and Parwan provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
3/1/2023	Badakhshan	Yamgan	Sari Sile	51	0	During this week 05 suspected chickenpox outbreaks were reported from Badakhshan, Helmand, Nimroz and Parwan Provinces , case management was done. Health education sessions were conducted for all the cases.
27-02-2023	Helmand	Lashkarga City	Mahajarino	6	0	
27-02-2023	Nimroz	Delaram	Madrasa Spin Kali	9	0	
26-02-2023		Zarang	Qader Khan School	13	0	
1/3/2023	Parwan	Jabel Seraj	Gawar Khan	10	0	

Suspected Mumps outbreaks from Badakhshan, Baghlan, Nimroz and Takhar provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
28/02/2023	Badakhshan	Argo	Samaty	44	0	During this week 04 Suspected Mumps outbreaks were reported from Badakhshan, Baghlan, Nimroz and Takhar provinces , case management was done. Health education sessions were conducted for all the cases.
01/03/2023	Baghlan	Pulikhumeri	Sarak 7 Shamarq	10	0	
25/02/2023	Nimroz	Zarang	Mohmmad Zarif	9	0	

01/03/2023	Takhar	Ishkamish	Ishkamish City	9	0	
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Suspected Measles outbreaks from Nangarhar, Khost and Kunar Provinces

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
2/27/2023	Nangarhar	Rodat	Kabul Camp	3	4	7	0	90%	80	In this week, 03 suspected Measles outbreaks were reported from Nangarhar, Khost and Kunar 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.
28/2/2023	Khost	Matoon (Center)	Lakan Dandi	12	4	16	2	N/A	38%	
2/28/2023	Kunar	Dangam	Razagai And Tanga	8	4	12	1	100%	70%	

Suspected Typhoid Fever outbreaks from Helmand province

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
26/02/2023	Helmand	Garamsir	Nawi Kali	25	0	During this week 02 Suspected Typhoid Fever outbreaks were reported from Helmand province, case management was done. Health education sessions were conducted for all the cases.
04/03/2023		Lashkargah City	Mukhtar	11	0	

Dog bites/ Suspected Rabies outbreak from Helmand, Ghazni, Badakhshan and Balkh provinces

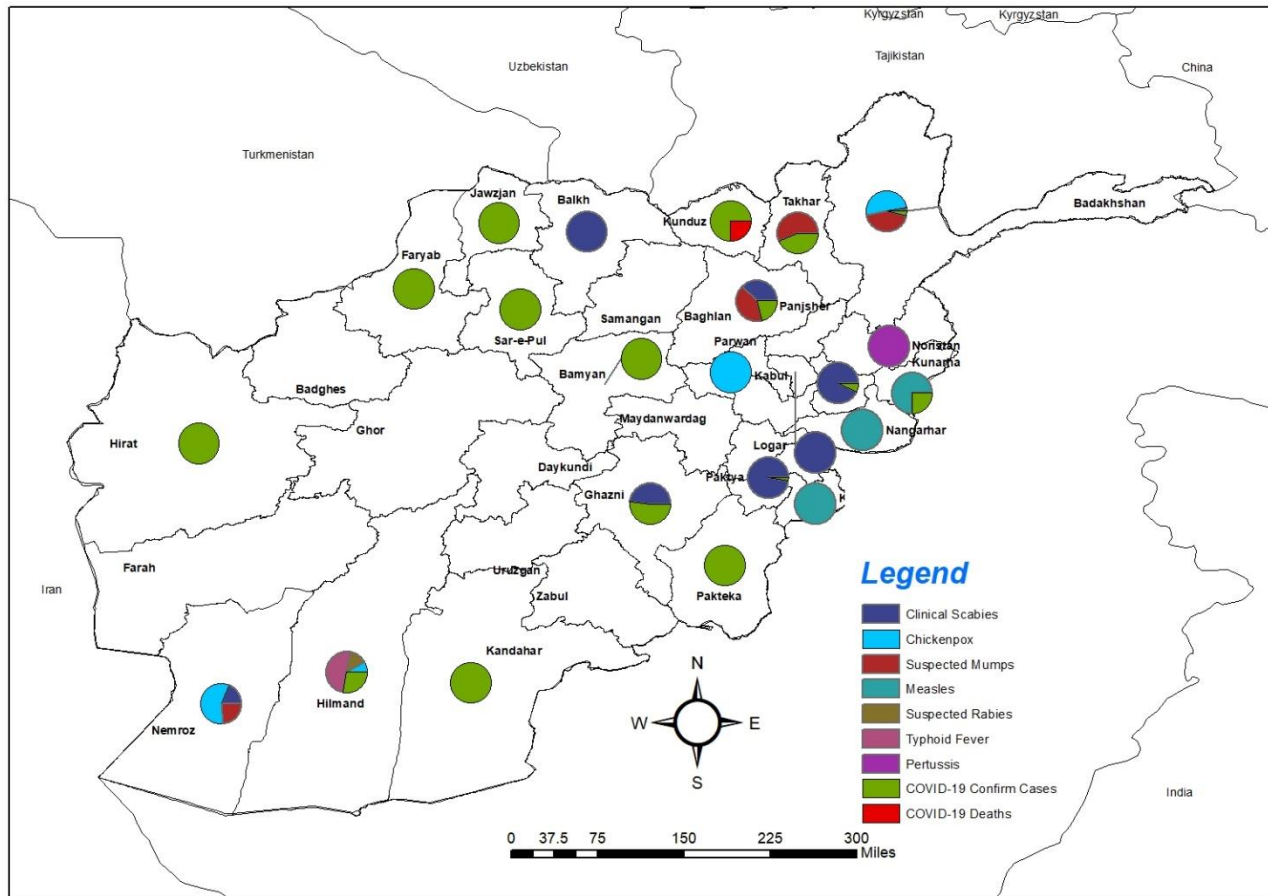
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
25/02/2023	Helmand	Garamsir	Reg	10	0	During this week 04 Dog bites/suspected Rabies outbreaks were reported from Helmand, Ghazni, Badakhshan and Balkh provinces case management was done. Health
02/03/2023	Ghazni	Deyak	Robat	13	0	
3/4/2023	Badakhshan	Fayzabad	Chata	3	0	

28/02/2023	Balkh	Charbolak	Sea Paikal	3	0	education sessions were conducted for all the cases.
Suspected Pertussis outbreak from Nuristan province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
25/02/2023	Nuristan	Kamdish	Upper Merdish	4	0	During this week 01 suspected Pertussis outbreak was reported from Nuristan 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 04 Mar 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	72	38	845	6
CCHF	0	0	0	0
Dog bites/Suspected Rabies	19	0	162	0
Pertussis	11	0	100	0
Acute Watery Diarrhea	0	0	0	0
Food Poisoning	0	0	0	0
Unknown Poisoning	0	0	0	0
Scabies	29	0	1071	0
Chickenpox	35	1	888	0
Leishmaniosis	3	0	148	0
Cat bite suspected rabies	0	0	0	0
Mumps	17	0	221	0
Diphtheria	0	0	0	0
Pneumonia	28	1	1017	22
ARI Cough and cold	1	0	24	0
Dengue fever	0	0	0	0
Skin disease	1	0	545	0
Anthrax	2	0	2	0
Confirmed Malaria	0	0	0	0
Acute Viral Hepatitis (AVH)	0	0	0	0
Suspected Typhoid fever	2	0	36	0
COVID-19	1	1	1640	41
Grand Total	221	41	6699	69

Figure 4: COVID-19, Clinical Scabies, Suspected Chickenpox, Suspected Mumps, Suspected Measles, Suspected Rabies, Suspected Typhoid Fever, Pertussis and Covid-19 cases and deaths during the week 09th 2023



Laboratory surveillance:

A total of **3094** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **126** specimens were confirmed for COVID-19, **67** specimens were confirmed for **Measles**, **10** specimens were confirmed for **Acute Viral Hepatitis**, **06** specimens were confirmed for **Dengue Fever**, **03** specimens were confirmed for ILI and **01** specimens were confirmed for **Malaria**. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 9th 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, 253 (7.3%) Severe Acute Respiratory Infections cases were reported and 61% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 8th 2023. 05 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 (37.0%), Kapisa (30.8%), and Bamyan (12.9%) provinces. During this Epi-week, our field staff shipped 54 SARI and 36 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **2454** specimens were tested for suspected COVID-19. Out of which **126** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 5.1 % in this week, which increased 0.03 % compared to the previous week.
- Out of **126** confirmed cases, **589** contacts of **150** traced 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 **54,435** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Herat, Nangarhar, Kandahar and Nimroz).

Challenges:

- Measles cases are still a public health concern in the country, this week **844** (IBS+EBS data) measles cases were reported to the surveillance system
- ARI pneumonia cases are on the decreasing trend compared to last weeks of the same weeks of the previous year, but AWD cases are on the increasing trend compared to last week (0.6%).
- 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 **844** suspected Measles cases and 3 deaths 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.