

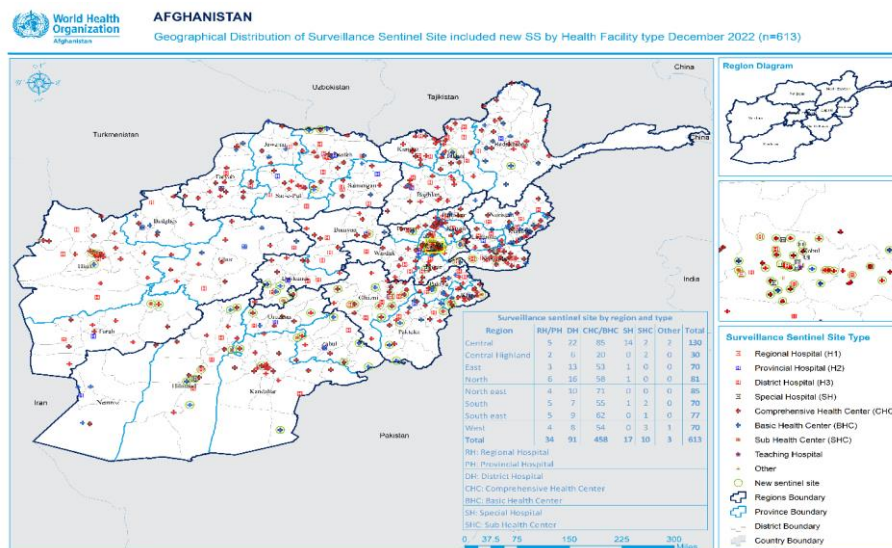
National Disease Surveillance  
& Response (NDSR)NDSR Weekly Epidemiological Report 10<sup>th</sup>

Date: 05 - 11 /03/ 2023

## Summary:

- Out of **613** functional Surveillance sentinel sites, **590 (96.2%)** have submitted reports this week.
- A total of **640,334** new consultations, **232,369 (36.3%)** were due to Surveillance targeted diseases. That included **123,664 (53.2%)** males and **108,705 (46.8%)** females. Also, **107,751 (46.4%)** under five years old and **124,618 (53.6%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **157,126 (24.5%)** cases out of total new consultations, Acute Diarrheal Diseases **39,334 (6.1%)** cases out of total new consultations, and Pneumonia **30,590 (4.8%)** cases out of total new consultations.
- A total of **241** deaths were reported this week, of which **74 (30.7%)** deaths were due to Surveillance targeted diseases, which include **60 Pneumonia** deaths, **04 Suspected Measles** deaths, **03 Acute Watery Diarrhea (AWD)** deaths, **02 COVID-19** deaths, **02 Pregnancy-related** deaths, **01 Acute Watery Diarrhea (AWD) with Dehydration** deaths, **01 Suspected Acute Viral Hepatitis** death and **01 Tetanus/ Neonatal Tetanus** death.
- In addition, during this week **37** outbreaks were reported (**13 Suspected Measles** outbreaks were reported from **Kandahar, Khost, Paktika, Parwan, Urozgan and Wardak** Provinces, **12 Clinical Scabies** outbreaks were reported from **Baghlan, Balkh, Kabul, Kapisa, Kunduz, Laghman, Nangarhar, Urozgan and Wardak** provinces, **07 Chickenpox** outbreaks were reported from **Daykundi, Helmand, Kandahar, Nimroz, Paktya, Urozgan and Wardak** Provinces, **02 Suspected Mumps** outbreaks were reported from **Helmand** Province, **01 suspected Pertussis** was reported from **Badakhshan** province, **01 Dog bites/ Suspected Rabies** was reported from **Helmand** province, **01 ARI/Pneumonia** outbreak was reported from **Badakhshan** province, **01 Suspected Pertussis** was reported from **Badakhshan** province)
- Moreover, **144 COVID-19** confirmed cases and **1061 Suspected Measles** cases and **4** deaths were reported at national level.

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



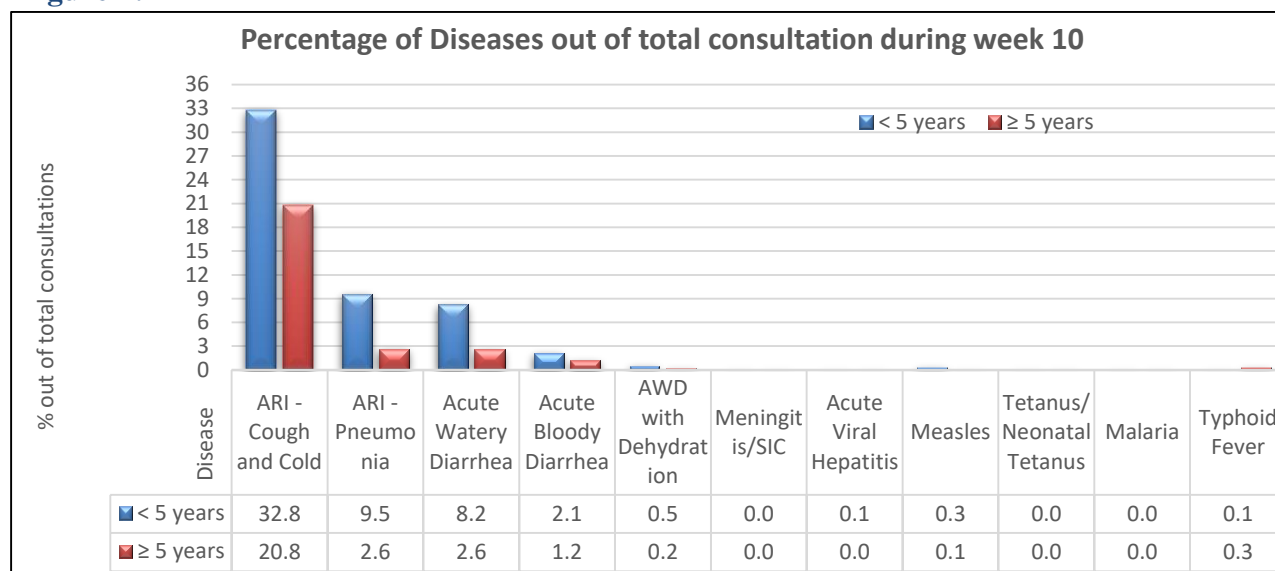
**Table 1: Coverage of NDSR Surveillance System**

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ Special Hospital	SHC	Other	Total
<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 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**

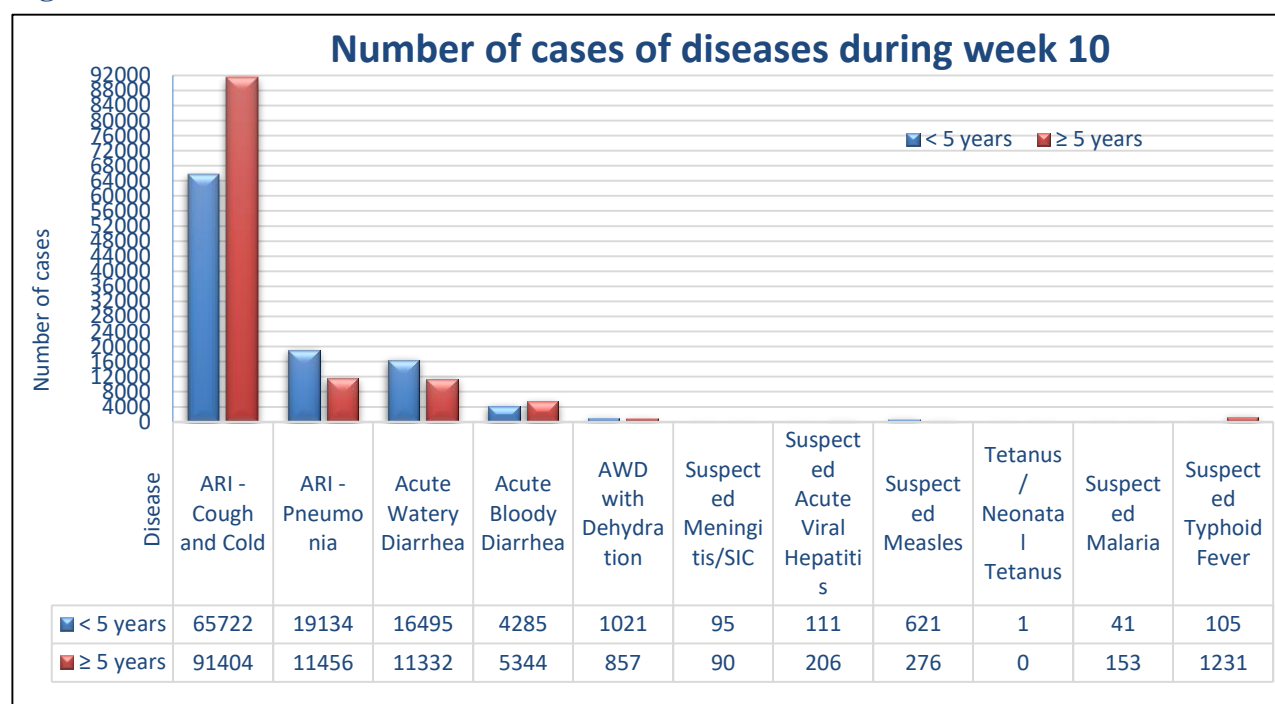


Table 2: IBS Cases and deaths due to VPDs by age group during week 10<sup>th</sup> 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	621	276	897	4	0	4	0.45
Suspected Pertussis	6	0	6	0	0	0	0.00

### Seasonal Diseases:

Figure 3: A

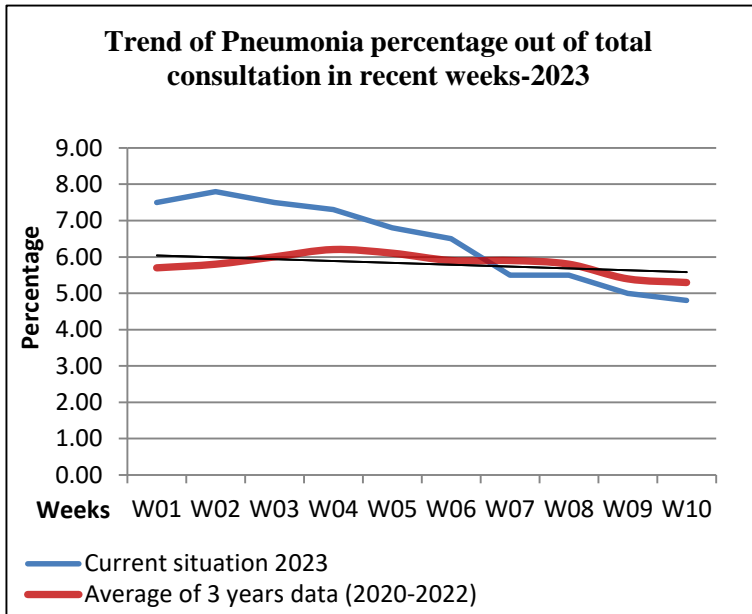


Figure 3: B

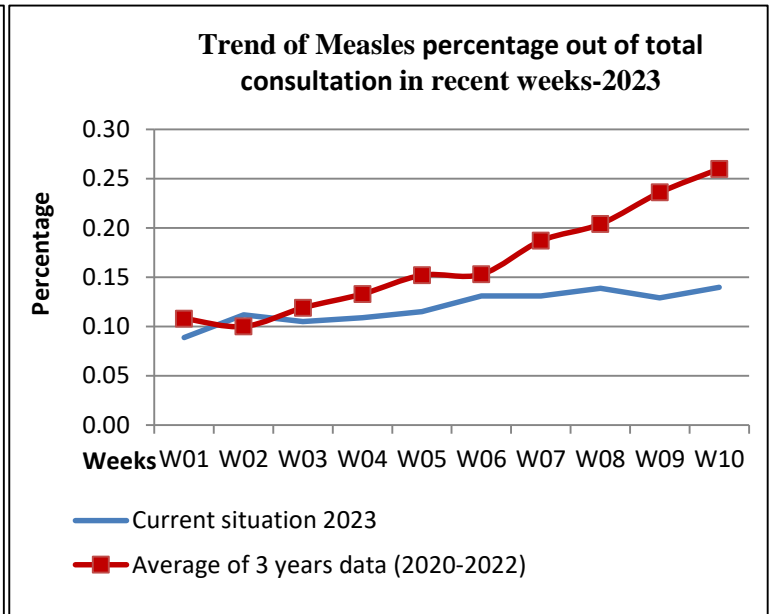


Figure 3: C

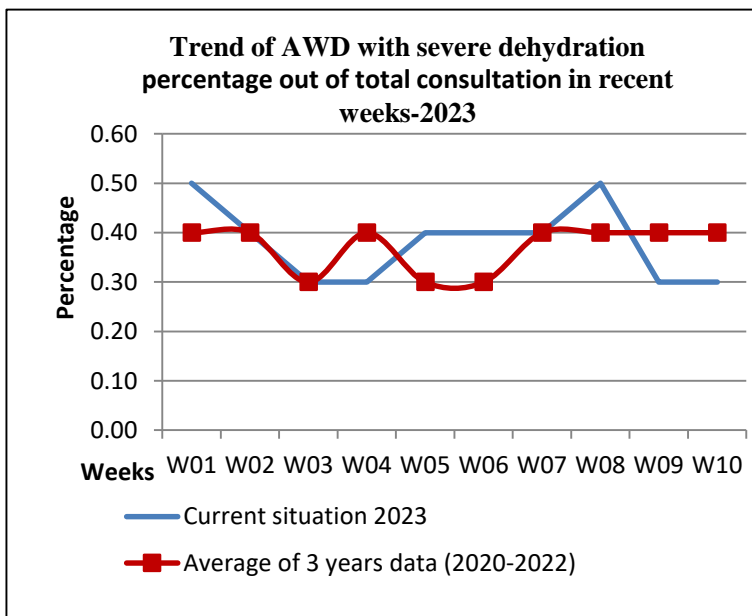


Figure 3: D

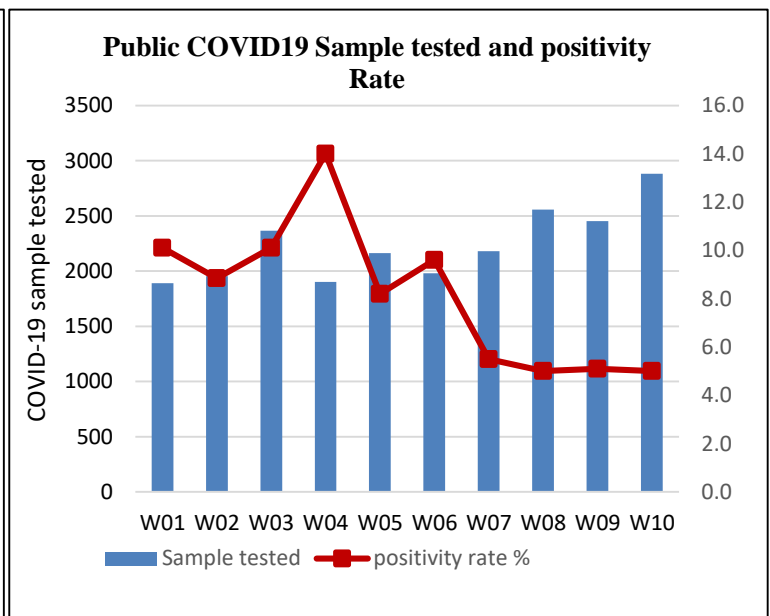


Table 3: Outbreaks in week 10<sup>th</sup> 2023:

Suspected Measles outbreaks from Kandahar, Khost, Kunar, Paktika, Paktya, Parwan, Urozgan and Wardak Provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
6/3/2023	Kandahar	Boldak	Bahadorzai	4	2	6	0	71%	66%	<p>In this week, 13 suspected Measles outbreaks were reported from <b>Kandahar, Khost, Kunar, Paktika, Paktya, Parwan, Urozgan and Wardak Provinces.</b></p> <p>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.</p>
8/3/2023		kandahar city	Nineth	3	3	6	0	90%	83%	
8/3/2023	khost	Ismail khel mandozai	Melakai Band (Worza)	8	10	18	0	N/A	39%	
4/3/2023	Kunar	Marawarah	Jarando and chinari village	4	11	15	0	100%	80%	
5/3/2023		Asmar	Shal khuar	10	4	14	0	75%	60%	
5/3/2023	Paktika	Sharan	Charda	7	4	11	0	80%	50%	
5/3/2023		Sharan	Charda	7	4	11	0	80%	50%	
5/3/2023	Paktya	Ahmad Khil	Moty	9	5	14	0	N/A	N/A	

8/3/2023		Zazi Aryub	Belawate	14	7	21	0	N/A	N/A	
4/3/2023	Parwan	Charikar	Parcha-e-12	3	3	6	0	55%	40%	
6/3/2023		Shinwari	Daraz gerd	9	5	14	0	65%	45%	
7/3/2023	Urozgan	Tarinkot	Swazal	7	13	20	0	N/A	N/A	
7/3/2023	Wardak	Chak	Afzal khil	6	2	8	0	75%	83%	

Clinical Scabies outbreaks from Baghlan, Balkh, Kabul, Kapisa, Kunduz, Laghman and Nangarhar provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/03/2023	Baghlan	Baghlan Markazi	Satar Boy	11	0	During this week <b>12 Clinical Scabies</b> outbreaks were reported from <b>Baghlan, Balkh, Kabul, Kapisa, Kunduz, Laghman, Nangarhar, Urozgan and Wardak Provinces</b> , Case management was done. Health education sessions were conducted for all the cases.
08/03/2023	Balkh	Dedadi	Zir Chanar & Khowja Gh Farooq	26	0	
07/03/2023	Kabul	Mirbacha Kot	Baba Qachqar	9	0	
09/03/2023		Mirbacha Kot	Dako	12	0	
08/03/2023	Kapisa	Center	Rahman Khail	23	0	
08/03/2023	Kunduz	Ali Abad	Madrasah Asharah Mobashirah	11	0	
07/03/2023		Ali Abad	Madrassah Abu Talha	22	0	
09/03/2023	Laghman	Mehterlam	Mehterlam Prison	30	0	
08/03/2023	Nangarhar	Jalalabad	2nd Zone	9	0	
06/03/2023	Urozgan	Tarinkot	Central Prosin	31	0	

07/03/2023		Tarinkot	Marabad	13	0	
04/03/2023	Wardak	Said Abad	Dondokay	18	0	

Suspected Chickenpox outbreaks from Dykundi, Helmand, Kandahar, Nimroz, Paktya, Urozgan and Wardak provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
07/03/2023	Daykundi	Nili	Zard Nail	8	0	During this week <b>07 Suspected Chickenpox</b> outbreaks were reported from <b>Dykundi, Helmand, Kandahar, Nimroz, Paktya, Urozgan and Wardak Provinces</b> , case management was done. Health education sessions were conducted for all the cases.
8/3/2023	Helmand	Lashkarga City	Mahajarin	7	0	
8/3/2023	Kandahar	Kandahar City	Nazar Mo Masjid	16	0	
4/3/2023	Nimroz	Zarang	Haji Ab Raouf	9	0	
6/3/2023	Paktya	Ahmad Aba	Nesty Kot	11	0	
7/3/2023	Urozgan	Chinarto	Chinarto Different Kali	17	0	
5/3/2023	Wardak	Markaz	Mala Khil	11	0	

Suspected Mumps outbreaks from Helmand province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
07/03/2023	Helmand	Lashkarga City	Abduullah Kali	6	0	During this week <b>02 Suspected Mumps</b> outbreaks were reported from <b>Helmand province</b> , case management was done. Health education sessions were conducted for all the cases.
			Safian Haji Ibrahim Kali	23	0	

ARI/Pneumonia outbreak from Badakhshan province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
05/3/2023	Badakhshan	Sharebazarg	Safedara	57	2	During this week <b>01 Suspected ARI/Pneumonia</b> outbreak was reported from <b>Badakhshan</b> province, case management was done. Health education sessions was conducted for all the cases.

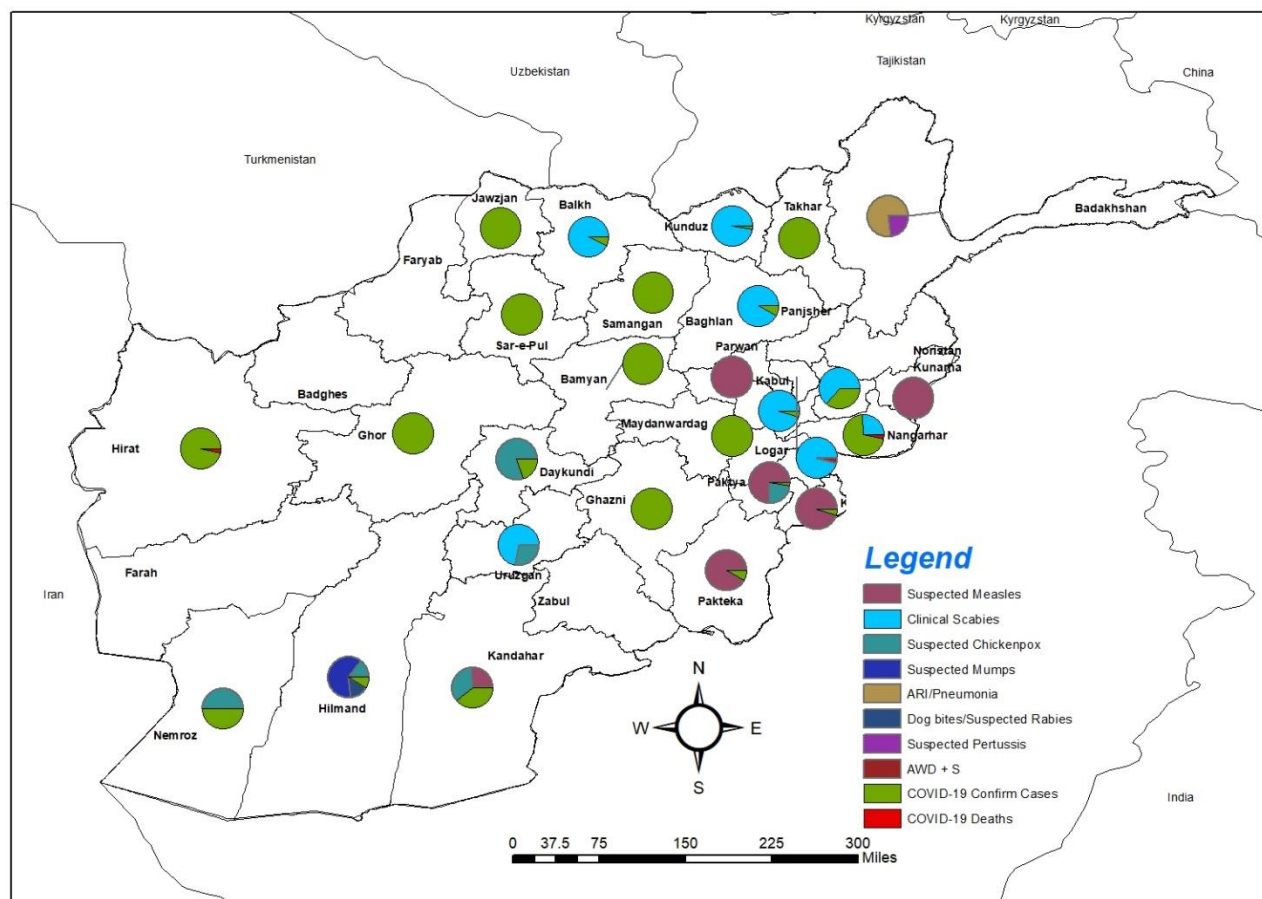
Dog bites/ Suspected Rabies outbreak from Helmand province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
04/03/2023	Helmand	Lashkarga City	Babaji Village	7	0	During this week <b>01 Dog bites/suspected Rabies</b> outbreak was reported from <b>Helmand province</b> case management was done. Health education sessions was conducted for all the cases.
Suspected Pertussis outbreak from Badakhshan province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/03/2023	Badakhshan	Argo	Qushqulaq	17	0	During this week <b>01 suspected Pertussis</b> outbreak was reported from <b>Badakhshan</b> 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 11 Mar 2023)**

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	85	38	1009	6
CCHF	0	0	0	0
Dog bites/Suspected Rabies	20	0	169	0
Pertussis	12	0	117	0
Acute Watery Diarrhea	0	0	0	0
Food Poisoning	0	0	0	0
Unknown Poisoning	0	0	0	0
Scabies	41	0	1286	0
Chickenpox	42	1	967	0
Leishmaniosis	3	0	148	0
Cat bite suspected rabies	0	0	0	0
Mumps	19	0	250	0
Diphtheria	0	0	0	0
Pneumonia	29	1	1074	24
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	1784	41
Grand Total	258	41	7411	71



**Figure 4: COVID-19, Suspected Measles, Clinical Scabies, Suspected Chickenpox, Suspected Mumps, Dog bites/Suspected Rabies, ARI/Pneumonia, Suspected Pertussis and Covid-19 cases and deaths during the week 10<sup>th</sup> 2023.**



#### Laboratory surveillance:

A total of **4331** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **144** specimens were confirmed for COVID-19, **71** specimens were confirmed for **Measles**, **37** specimens were confirmed for **Acute Viral Hepatitis** and **02** specimens were confirmed for **Malaria**. (Follow-up by the CPHL is going on).

#### Influenza Surveillance activities:

In Epidemiological week 10th 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, 195 (6.7%) Severe Acute Respiratory Infections cases were reported and 57% were under 5 years old. The proportion of SARI cases were slightly decreased compared to week 9th 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 (30.4%), and Bamyan (14.2%) provinces. During this Epi-week, our field staff shipped 48 SARI and 32 ILI specimens to the National Influenza Center (NIC).

#### COVID-19 Surveillance activities:

In this week, **2882** specimens were tested for suspected COVID-19. Out of which **144** specimens were confirmed for COVID-19 by RT-PCR.



- COVID-19 case positivity rate was 4.99 % in this week, which decreased 0.1 % compared to the previous week.
- Out of **144** confirmed cases, **701** contacts of **185** 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 **65,749** 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 **1061** (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 **1061** suspected Measles cases and 4 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.