

National Disease Surveillance
& Response (NDSR)NDSR Weekly Epidemiological Report 16th

Date: 16– 22 /04/ 2023

Summary:

- Out of **613** functional Surveillance sentinel sites, **554 (90.4%)** have submitted reports this week.
- A total of **518,405** new consultations, **193,320 (37.3%)** were due to Surveillance targeted diseases. That included **102,617 (53.1%)** males and **90,703 (46.9%)** females. Also, **92,374 (47.8%)** under five years old and **100,946 (52.2%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **120,740 (23.3%)** cases out of total new consultations, Acute Diarrheal Diseases **47,479 (9.2%)** cases out of total new consultations, and Pneumonia **20,363 (3.9%)** cases out of total new consultations.
- A total of **144** deaths were reported this week, of which **37 (25.7%)** deaths were due to Surveillance targeted diseases, which include **26 Pneumonia** deaths, **04 COVID-19** deaths, **02 Suspected Meningitis/ Severely Ill Child** deaths, **02 Acute Watery Diarrhea (AWD) with Dehydration** deaths, **02 Suspected Acute Viral Hepatitis** deaths, and **01 Suspected Measles** death.
- In addition, during this week **15** outbreaks were reported (**04 Suspected Chickenpox** outbreaks were reported from **Bamyan, Herat, Laghman and Takhar** Provinces, , **03 Suspected Measles** outbreaks were reported from **Farah, Kandahar and Paktika** Provinces, **02 Dog bites/ Suspected Rabies** were reported from **Badakhshan and Balkh** Provinces, **02 Clinical Scabies** outbreaks were reported from **Nangarhar and Paktya** provinces, **02 Suspected Pertussis** outbreaks were reported from **Badakhshan and Kunar** Provinces, **01 Anthrax** outbreak was reported from **Kandahar** Province and **01 Tenia Capitis** outbreak was reported from **Helmand** Province).
- Moreover, **1223** COVID-19 confirmed cases, **581** Suspected **Measles** cases and **01** Pertussis death were reported at national level.

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

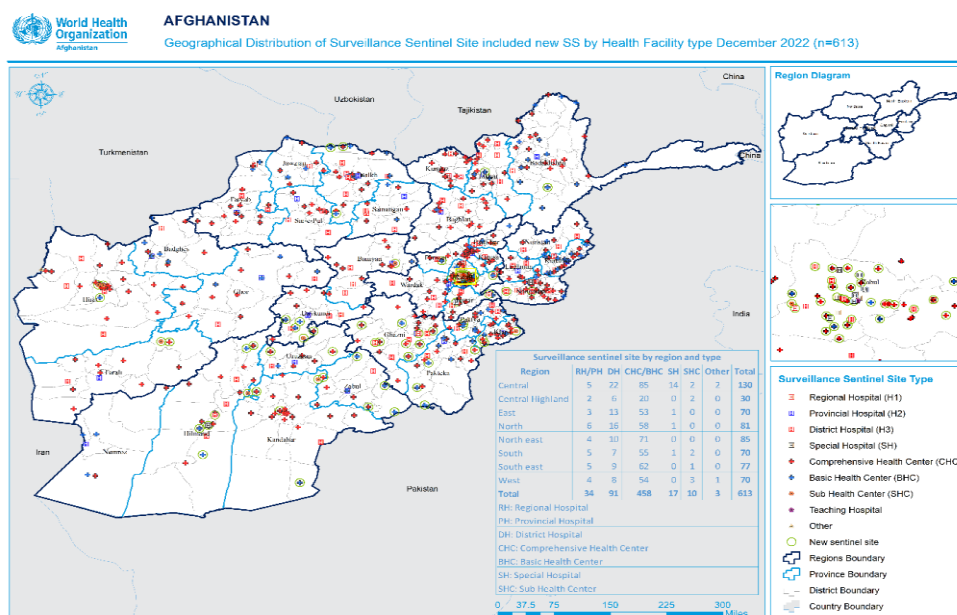


Table 1: Coverage of NDSR Surveillance System

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 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

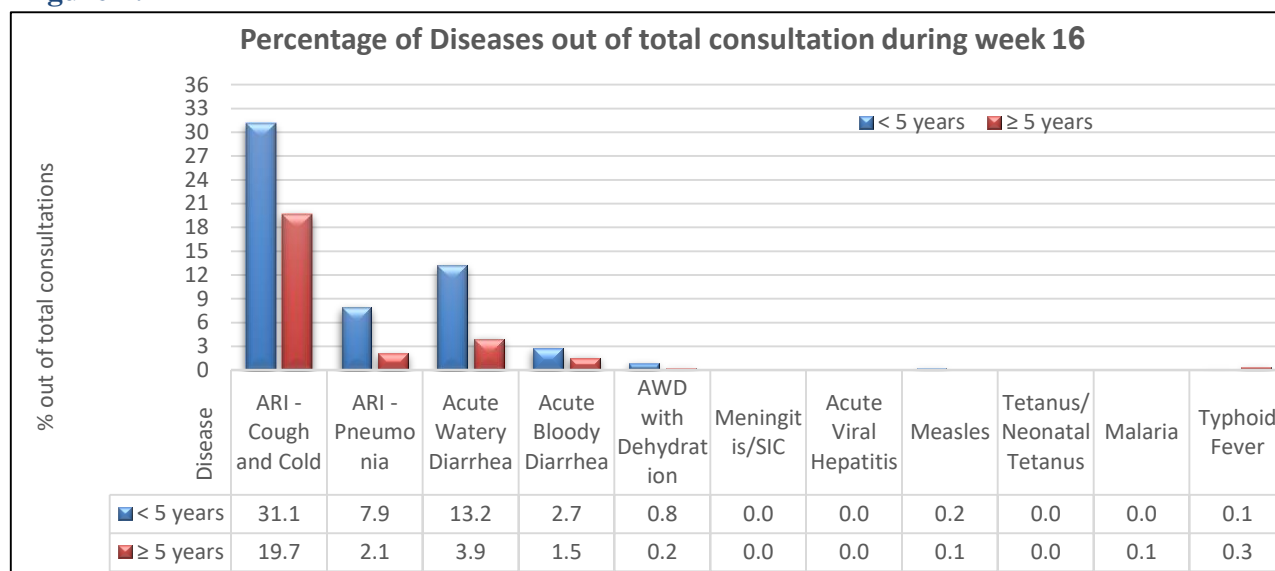


Figure 2: B

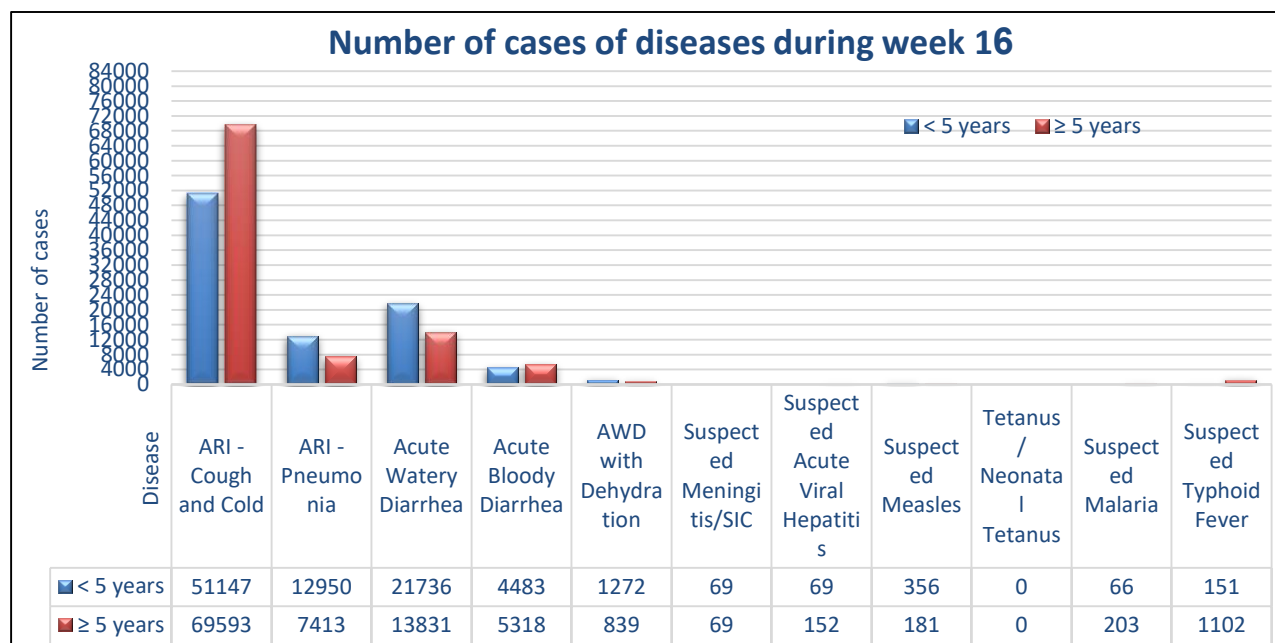


Table 2: IBS Cases and deaths due to VPDs by age group during week 16th 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	356	181	537	1	0	1	0.19

Seasonal Diseases:

Figure 3: A

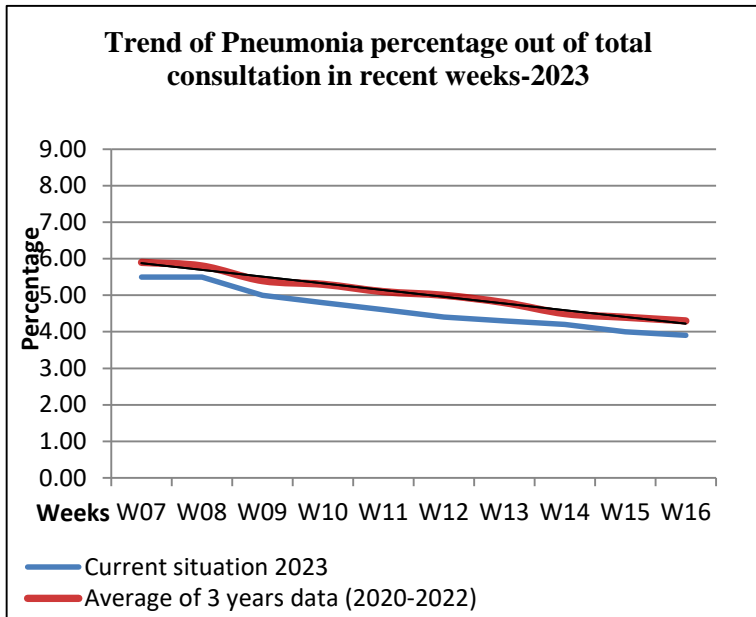


Figure 3: B

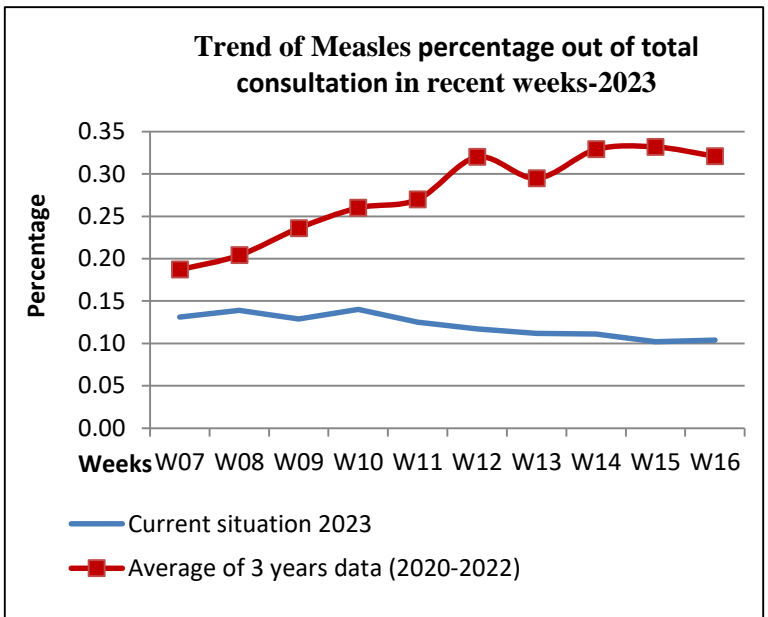


Figure 3: C

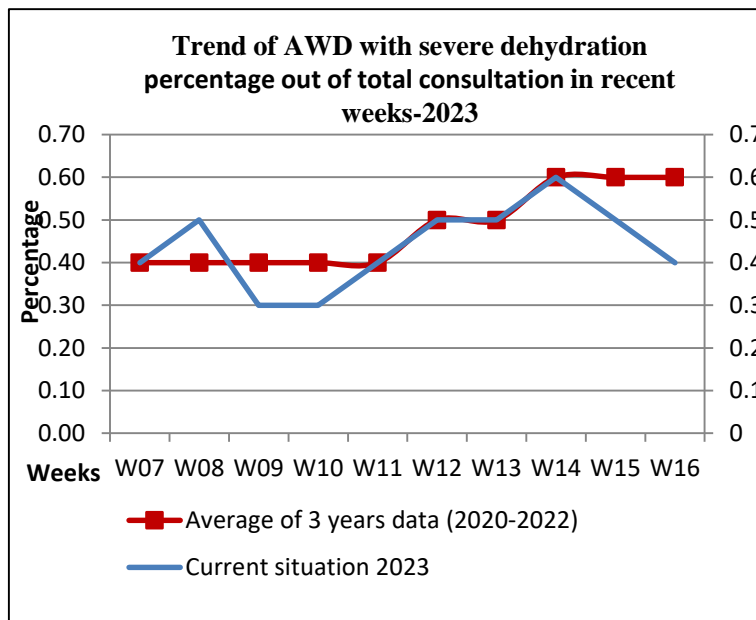


Figure 3: D

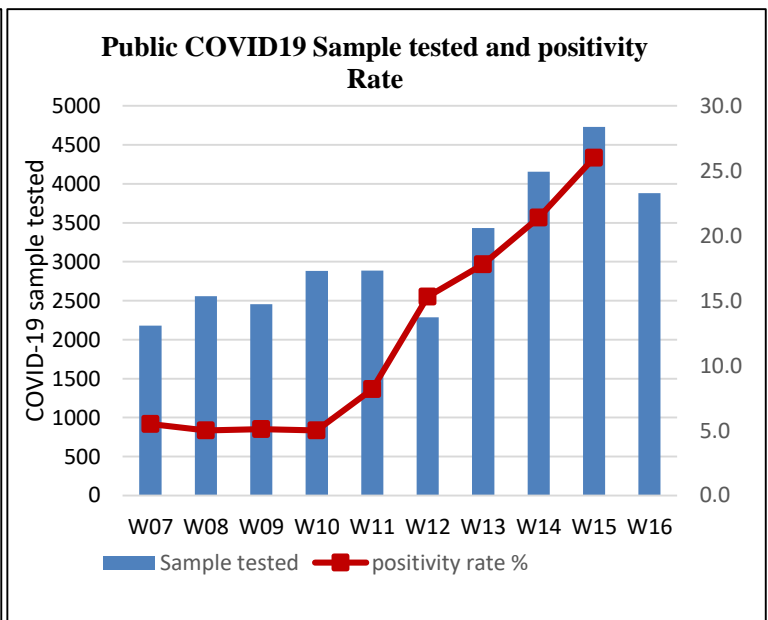


Table 3: Outbreaks in week 16th 2023:

Suspected Chickenpox outbreaks from Bamyan, Herat, Laghman and Takhar provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
16/04/2023	Bamyan	Panjab	Sare_Shar and Borghosnak Vallige	54	0	During this week, 04 suspected Chickenpox outbreaks were reported from Bamyan, Herat, Laghman, and Takhar provinces, and case management was done. Health education sessions were conducted for all the cases.
16/04/2023	Herat	Injil	Now Badam	17	0	
19/04/2023	Laghman	Alingar	Chinchar Pul	20	0	
19/04/2023	Takhar	Farkhar	Dehyak	7	0	

Suspected Measles outbreaks from Farah, Kandahar and Paktika Provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
16/04/2023	Farah	Pusht Rood	Shanawaz Khan Kariz	14	10	24	0	0%	0%	During this week, 03 suspected Measles outbreaks were reported from Farah, Kandahar and Paktika provinces.
17/04/2023	Kandahar	Boldak	Sada Monar	8	0	8	0	70%	45%	The outbreaks were investigated, and case management was done for all the cases. Also, health education sessions were conducted.
16/04/2023	Paktika	Wazir	Jalalzi	2	10	12	0	52%	40%	The vaccination of children in the surrounding villages of the affected area is going on.

Dog Bite / Suspected Rabies outbreaks from Badakhshan and Balkh provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
16/04/2023	Badakhshan	Shuhada	Joeibar	15	0	During this week, 02 suspected Rabies outbreaks were reported from Badakhshan and Balkh provinces, and case management was done. Health education sessions were conducted for all the cases.
18/04/2023	Balkh	Dawlatabad	Char Bagh Sayedan	3	0	

Clinical Scabies outbreaks from Nangarhar and Paktya provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take

18/04/2023	Nangarhar	Ghanikhil	27 th Canal	59	0	During this week, 02 clinical Scabies outbreaks were reported from Nangarhar and Paktya provinces. Case management was done. Health education sessions were conducted for all the cases.
16/04/2023	Paktya	Gardez	Shekhan	56	0	

Suspected Pertussis outbreaks from Badakhshan and Kunar provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
16/04/2023	Badakhshan	Argo	Qailadahra	7	0	During this week, 02 suspected Pertussis outbreaks were reported from Badakhshan and Kunar provinces, and case management was done. Health education sessions were conducted for all the cases.
16/04/2023	Kunar	Chapa Dara	Two Village of Degal Area (Akhunzadgan and Segal)	28	1	

Tinea Capitis outbreak from Helmand province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
17/04/2023	Helmand	Musa Qala	Tohis School	41	0	During this week, 01 Tinea capitis outbreak was reported from Helmand province, and case management was done. A health education session was conducted for all the cases.

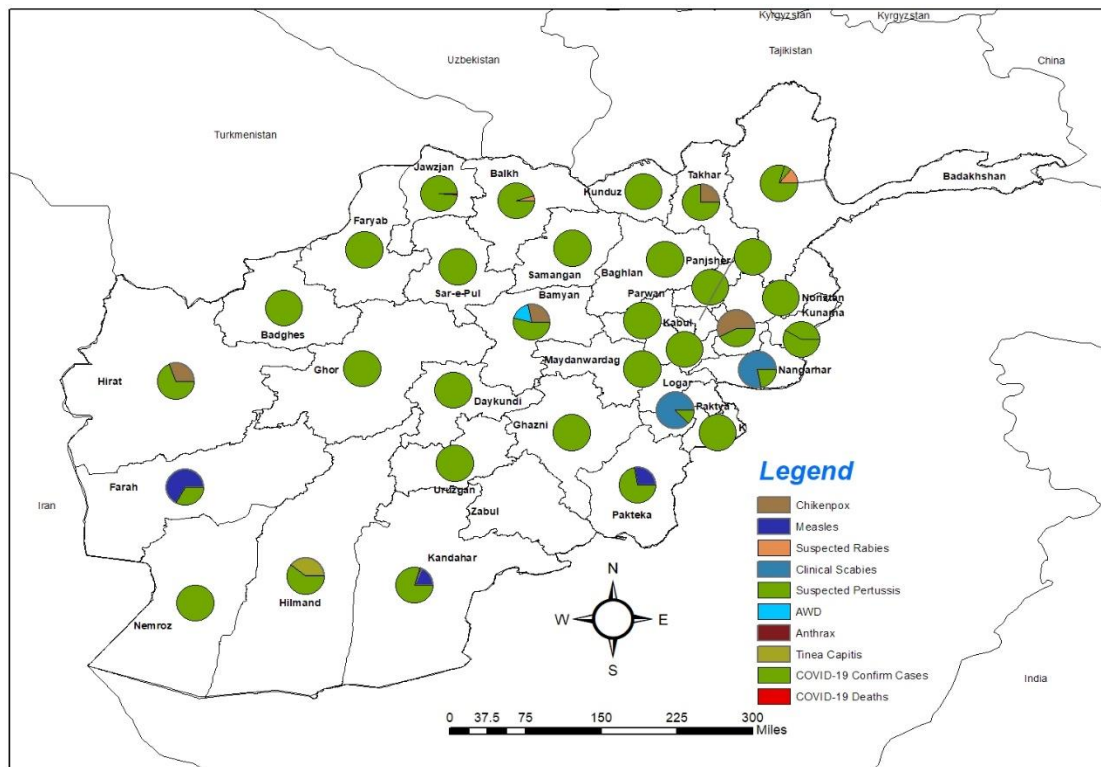
Anthrax outbreak from Kandahar province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
17/04/2023	Kandahar	Marouf	Shaikh Zala	1	0	During this week, 01 Anthrax outbreak was reported from Kandahar province, and case management was done. A health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 22 April 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	129	38	1527	6
CCHF	0	0	0	0
Dog bites/Suspected Rabies	27	0	235	0
Pertussis	20	0	253	1
Acute Watery Diarrhea	0	0	0	0
Bloody Diarrhea	2	0	124	0
Food Poisoning	2	0	21	0
Unknown Poisoning	0	0	0	0
Scabies	60	0	2209	0
Chickenpox	74	1	1817	0
Leishmaniosis	5	0	574	0
Cat bite suspected rabies	0	0	0	0
Mumps	33	0	454	0
Diphtheria	0	0	0	0

Pneumonia	29	1	1074	24
ARI Cough and cold	1	0	24	0
Dengue fever	1	0	1	1
Skin disease	2	0	596	0
Anthrax	3	0	3	0
Confirmed Malaria	0	0	0	0
Acute Viral Hepatitis_(AVH)	1	0	10	0
Suspected Typhoid fever	2	0	36	0
COVID-19	1	1	6336	49
Grand Total	392	41	15294	81

Figure 4: Suspected Chickenpox, Suspected Measles, Dog bites/ Suspected Rabies, Clinical Scabies, Suspected Pertussis, Anthrax, Tinea Capitis and Covid-19 cases and deaths during the week 16th 2023.



Laboratory surveillance:

A total of **4680** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **1223** specimens were confirmed for COVID-19, **12** specimens were confirmed for **Acute Viral Hepatitis**, **03** specimens were confirmed for **Measles**, **02** specimens were confirmed for **Malaria**, **02** specimens were confirmed for Chickenpox and **01** specimens were confirmed for **Brucellosis**. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 16th 2023, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyān, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 130(3.8%) Severe Acute Respiratory Infections cases were reported and 64% were under 5 years old. The proportion of SARI cases were slightly decreased compared to week 15th 2023. 02 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 (20.0%), Kapisa (15.0%), and Baghlan (13.0%) provinces. During this Epi-week, our field staff shipped 32 SARI (Including 5 additional samples from the non-site in Bamyān province) and 18 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **3881** specimens were tested for suspected COVID-19. Out of which **1223** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 31.5 % in this week, which increased 5.4 % compared to the previous week.
- Out of **1223** confirmed cases, **3427** contacts of **853** 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 **54,995** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Herat, Nangarhar, Kandahar and Nimroz).

Challenges:

- COVID-19 case positivity rate increased 5.4 % this week
- Measles cases are still a public health concern in the country, this week **581** (IBS+EBS data) measles cases were reported to the surveillance system
- ARI pneumonia cases are on the decreasing (0.1%) trend compared to last weeks of the same weeks of the previous year
- AWD cases are on the increasing trend compared to last week (0.5%)
- 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
 - **EPI:** As the surveillance system detected **581** suspected Measles cases 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.