

National Disease Surveillance
& Response (NDSR)NDSR Weekly Epidemiological Report 14th

Date: 02– 08/04/ 2023

Summary:

- Out of **613** functional Surveillance sentinel sites, **596 (97.2%)** have submitted reports this week.
- A total of **649,007** new consultations, **237,597 (36.6%)** were due to Surveillance targeted diseases. That included **126,062 (53.1%)** males and **111,535 (46.9%)** females. Also, **114,669 (48.3%)** under five years old and **122,928 (51.7%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **150,847 (23.2%)** cases out of total new consultations, Acute Diarrheal Diseases **54,440 (8.4%)** cases out of total new consultations, and Pneumonia **26,938 (4.2%)** cases out of total new consultations.
- A total of **196** deaths were reported this week, of which **62 (31.7%)** deaths were due to Surveillance targeted diseases, which include **43 Pneumonia** deaths, **05 Suspected Meningitis/ Severely Ill Child** deaths, **03 Acute Watery Diarrhea (AWD) with Dehydration** deaths, **03 Suspected Acute Viral Hepatitis** deaths, **03 Suspected Measles** deaths, **02 Tetanus/ Neonatal tetanus** deaths, **02 Pregnancy-related** deaths, and **01 COVID-19** death.
- In addition, during this week **23** outbreaks were reported (**07 Suspected Measles** outbreaks were reported from **Kabul, Baghlan, Ghazni, Helmand** and **Khost** Provinces, **06 Suspected Chickenpox** outbreaks were reported from **Herat, Kandahar, Kapisa, Nuristan, Paktya** and **Urozgan** Provinces, **06 Clinical Mumps** outbreaks were reported from **Herat, Kandahar, Nimroz** and **Paktya** provinces, **02 Clinical Scabies** outbreaks were reported from **Nangarhar** and **Zabul** provinces, **01 Bloody Diarrhea** outbreak was reported from **Nimroz** Province and **01 Food Poisoning** outbreak was reported from **Kunar** Province).
- Moreover, **891** COVID-19 confirmed cases, **792** Suspected **Measles** cases with 03 deaths were reported at national level.

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

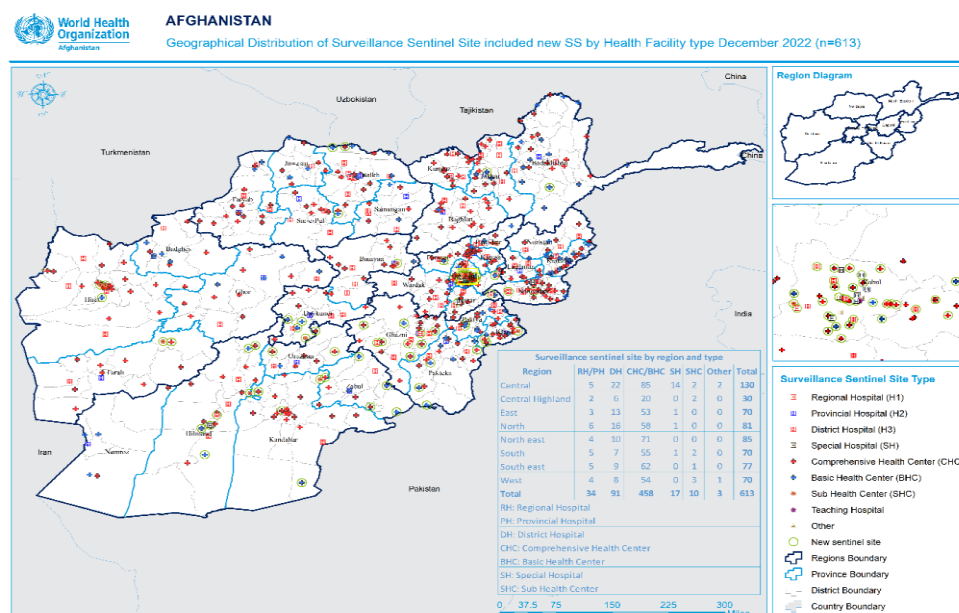


Table 1: Coverage of NDSR Surveillance System

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 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

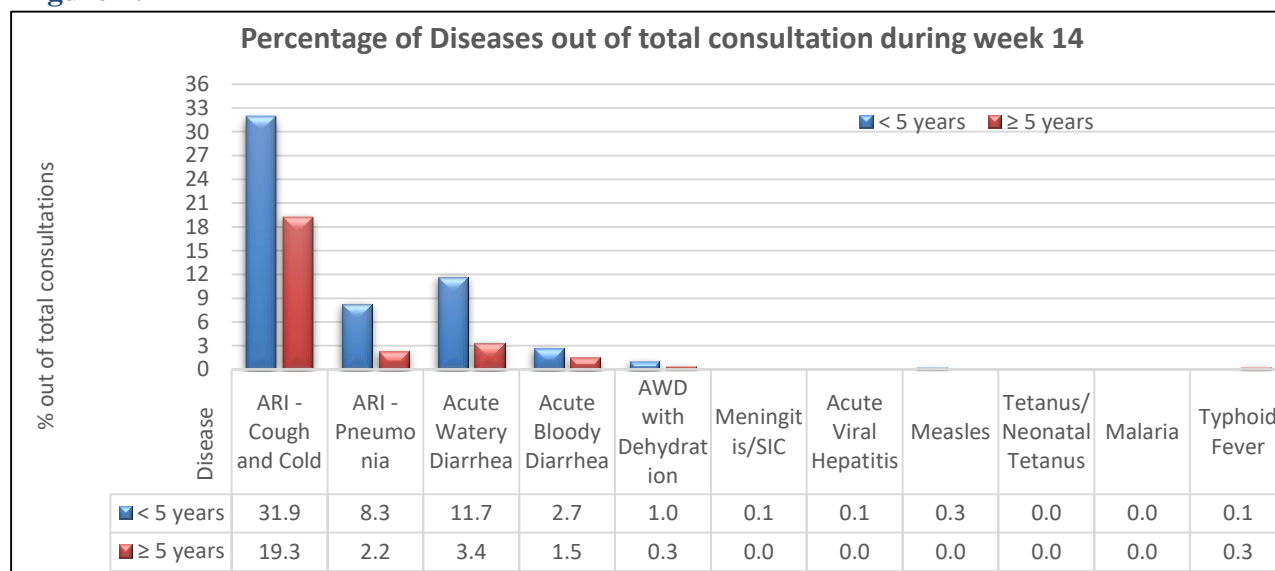


Figure 2: B

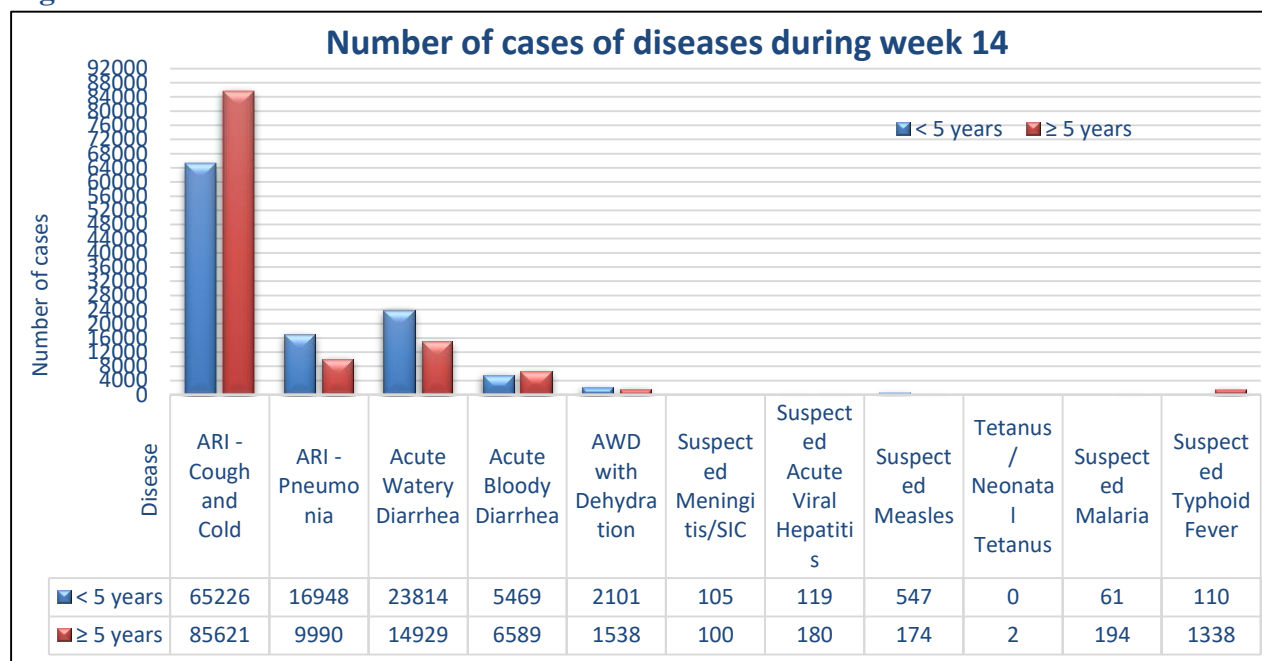


Table 2: IBS Cases and deaths due to VPDs by age group during week 14th 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	547	174	721	3	0	3	0.42
Tetanus/ Neonatal Tetanus	0	2	2	0	2	2	100.00

Seasonal Diseases:

Figure 3: A

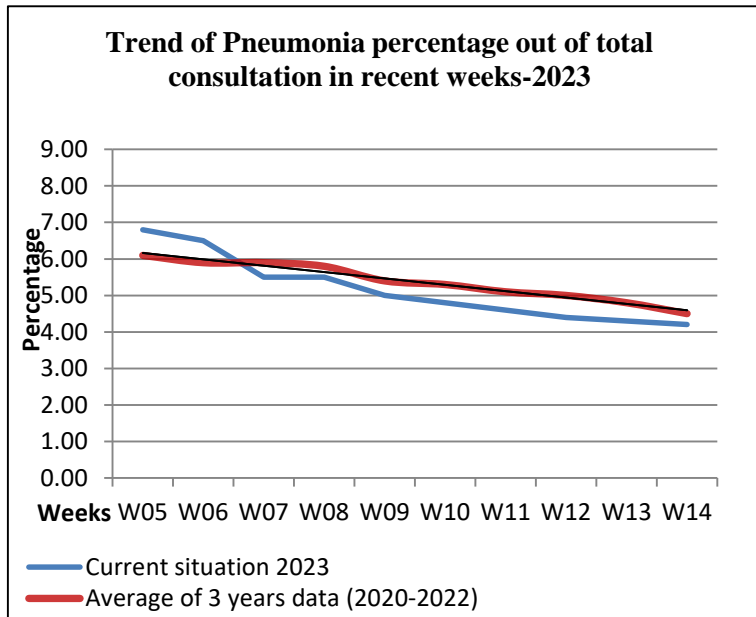


Figure 3: B

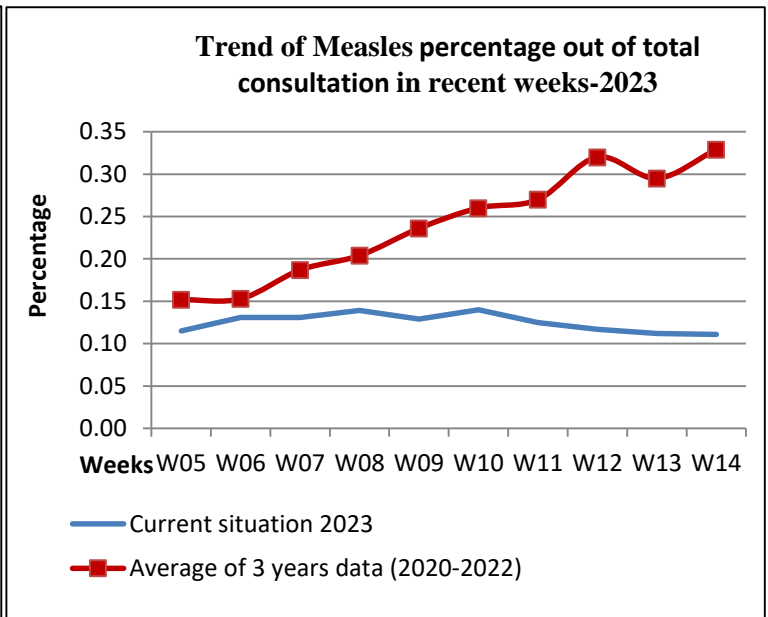


Figure 3: C

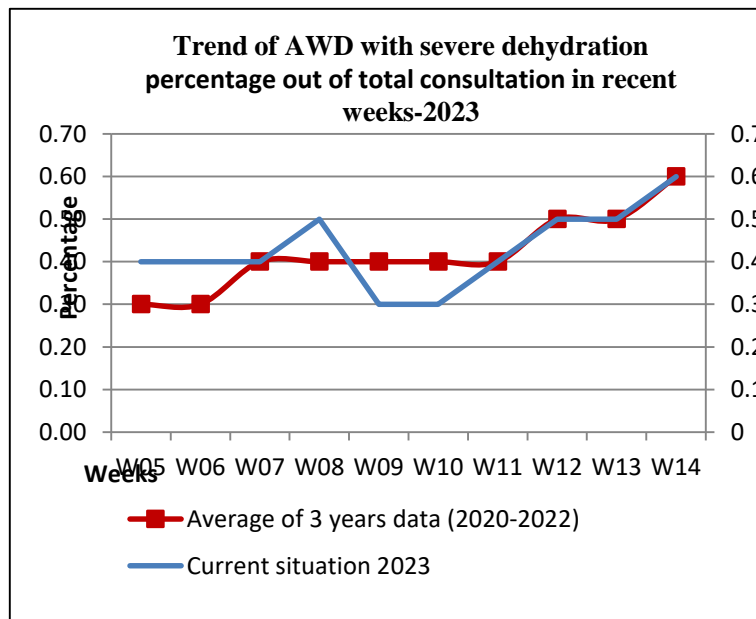


Figure 3: D

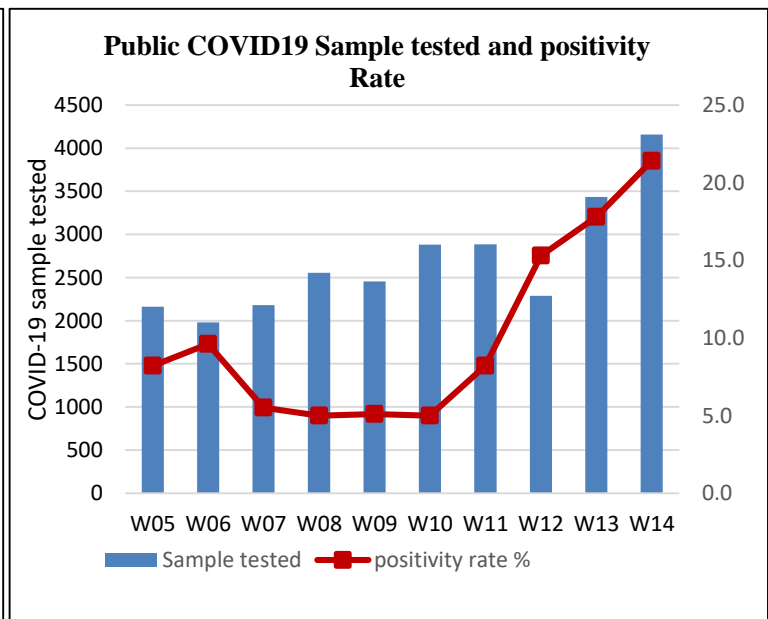


Table 3: Outbreaks in week 14th 2023:

Suspected Measles outbreaks from Kabul, Baghlan, Ghazni, Helmand and Khost Provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
01/4/2023	Kabul	Paghman	Bagh Dawood	2	4	6	0	N/A	N/A	During this week, 07 suspected Measles outbreaks were reported from Kabul, Baghlan, Ghazni, Helmand and Khost 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.
02/4/2023		Chahar Asyab	Miakheil	7	2	9	0	N/A	N/A	
06/4/2023	Baghlan	Pulikhumari	Khanjar Abad	7	0	7	0	N/A	N/A	
06/4/2023	Ghazni	Dehyak	Godol	8	8	16	0	N/A	N/A	
02/4/2023	Helmand	Lashkarga City	Safian Abdullah Kali	5	4	9	0	55%	35%	
04/4/2023		Lashkarga City	Kariz Haji Ah Shah	6	2	8	0	55%	38%	
02/4/2023	Khost	Matoon(Center)	Khawna Daag	8	8	16	0	N/A	40%	

Suspected Chickenpox outbreaks from Herat, Kandahar, Kapisa, Nuristan, Paktya and Urozgan provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
08/04/2023	Herat	Injil	Shadi Jan	46	0	During this week 06 Suspected Chickenpox outbreaks were reported from Herat, Kandahar, Kapisa, Nuristan, Paktya and Urozgan Provinces, case management was done. Health education sessions were conducted for all the cases.
05/04/2023	Kandahar	Kandahar City	Haji Arab-Karti Malimin	6	0	
04/03/2023	Kapisa	Center	Qazi Khail	11	0	
02/04/2023	Nuristan	Norgram	Nangraj	31	0	
03/04/2023	Paktya	Sayed Karam	Per Ali Khil	15	0	
05/04/2023	Urozgan	Tarinkot	Khiro Kariz	28	0	

Mumps outbreaks from Herat, Kandahar, Nimroz and Paktya provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
03/04/2023	Herat	Karukh	Malekiha	50	0	During this week 06 Mumps outbreak were reported from Herat, Kandahar, Nimroz and Paktya province, case management was
04/04/2023		Guzara	Karim Abad	19	0	

05/04/2023	Kandahar	Ghorak	Sari Yas Dasht	11	0	done. Health education sessions were conducted for all the cases.
04/04/2023		12 Sub Dis	Manzal Bagh	6	0	
05/04/2023	Nimroz	Zarang	Hassan Abad	19	0	
01/04/2023	Paktya	Ahmad Aba	Nesty Kot	6	0	

Clinical Scabies outbreaks from Nangarhar and Zabul provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
02/04/2023	Nangarhar	Sorkhro od	Bar Shikhmesr High School	122	0	During this week 02 Clinical Scabies outbreaks were reported from Nangarhar and Zabul Provinces, Case management was done. Health education sessions were conducted for all the cases.
03/04/2023	Zabul	Qalat	Prison	17	0	

Bloody Diarrhea outbreak from Nimroz province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
02/04/2023	Nimroz	Zarang	Prison	25	0	During this week 01 Bloody Diarrhea outbreak was reported from Nimroz province, case management was done. Health education session was conducted for all the cases.

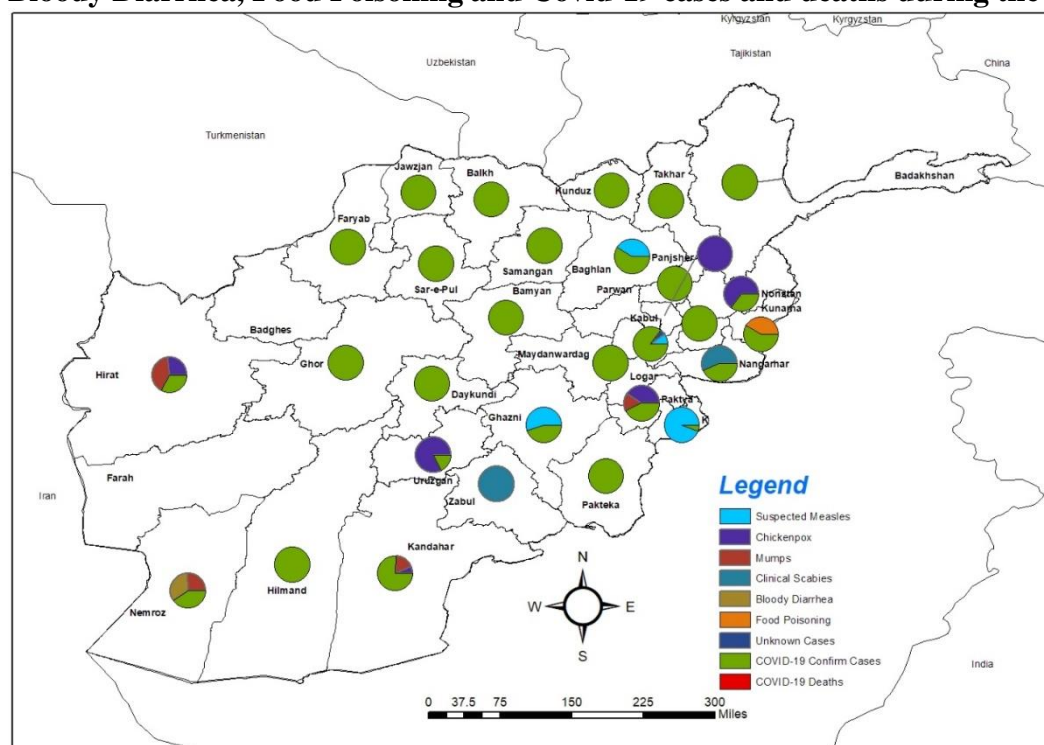
Food Poisoning outbreak from Kunar province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
06/04/2023	Kunar	Shultan	Laram Kas	14	0	During this week 01 Food Poisoning outbreak was reported from Kunar province, case management was done. Health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 08 April 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	119	38	1373	6
CCHF	0	0	0	0
Dog bites/Suspected Rabies	21	0	176	0
Pertussis	17	0	192	0
Acute Watery Diarrhea	0	0	0	0
Bloody Diarrhea	1	0	25	0
Food Poisoning	1	0	14	0
Unknown Poisoning	0	0	0	0
Scabies	55	0	2023	0
Chickenpox	66	1	1661	0
Leishmaniosis	5	0	574	0
Cat bite suspected rabies	0	0	0	0
Mumps	30	0	401	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	1	0	545	0
Anthrax	2	0	2	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	3880	44
Grand Total	353	41	12011	75

Figure 4: Suspected Measles, Suspected Chickenpox, Clinical Mumps, Clinical Scabies, Bloody Diarrhea, Food Poisoning and Covid-19 cases and deaths during the week 14th 2023.



Laboratory surveillance:

A total of **5210** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **614** specimens were confirmed for COVID-19, **50** specimens were confirmed for **Measles**, **10** specimens were confirmed for **Acute Viral Hepatitis**, **05** specimens were confirmed for **Malaria** and 03 specimens were confirmed for Brucellosis. (Follow-up by the CPHL is going on).

Influenza Surveillance activities: In Epidemiological week 14th 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, 176 (5.9 %) 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 13th 2023. 03 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 (23%), Bamyan (21.9%), and Kapisa (15.2%) provinces. During this Epi-week, our field staff shipped 30 SARI and 20 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **4156** specimens were tested for suspected COVID-19. Out of which **891** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 21.4 % in this week, which increased 3.5 % compared to the previous week.
- Out of **891** confirmed cases, **2389** contacts of **597** 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 **49,382** 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 3.5 % this week
- Measles cases are still a public health concern in the country, this week **792** (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 (0.7%).
- 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 **792** 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.