

Ministry of Public Health

Monitoring Evaluation & Health Information System GD

Diseases Surveillance Department

وزارت صحت عامه

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ریاست عمومی نظارت ارزیابی و سیستم معلومات صحی

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National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report 44th

Date: 27/10 – 02 /11/2024

Summary:

- Out of **613** functional surveillance sentinel sites, **609 (99.3%)** have submitted reports this week.
- A total of **628,223** new consultations, of which **230,073 (36.6%)** were due to Surveillance targeted diseases. That included **120,999 (52.6%) males** and **109,074 (47.4%) females**. Also, **106,964 (46.5%)** people under five years old and **123,109 (53.5%)** people five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**148,742 = 23.7%** cases out of total new consultations), Acute Diarrheal Diseases (**50,714 = 8.1%** cases out of total new consultations), and Pneumonia (**23,349= 3.7%** cases out of total new consultations).
- A total of **369** deaths were reported this week, of which **56 (15.2%)** deaths were due to surveillance-targeted diseases, which include **39 ARI Pneumonia** deaths, **06 suspected Measles** deaths, **06 Suspected Meningitis** deaths, **03 Acute Viral Hepatitis** deaths, **01 Tetanus** death, and **01 COVID-19** death.
- In addition, during this week, **18** outbreaks were reported: **05 Clinical Scabies** outbreaks were reported from Ghor, Kunduz, Takhar, Panjshir and Parwan provinces, **05 Suspected Measles** outbreaks were reported from Farah, Paktika, Parwan and Wardak provinces, **04 AWD with Dehydration** outbreaks were reported from Helmand and Nangarhar provinces, **03 Clinical Chickenpox** outbreaks were reported from Herat, Logar and Paktia provinces and **01 Dog bite/ suspected Rabies** outbreak was reported from Khost province.

Moreover, **147** COVID-19 confirmed cases, and **780** suspected Measles cases (IBS) were reported at the national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2024

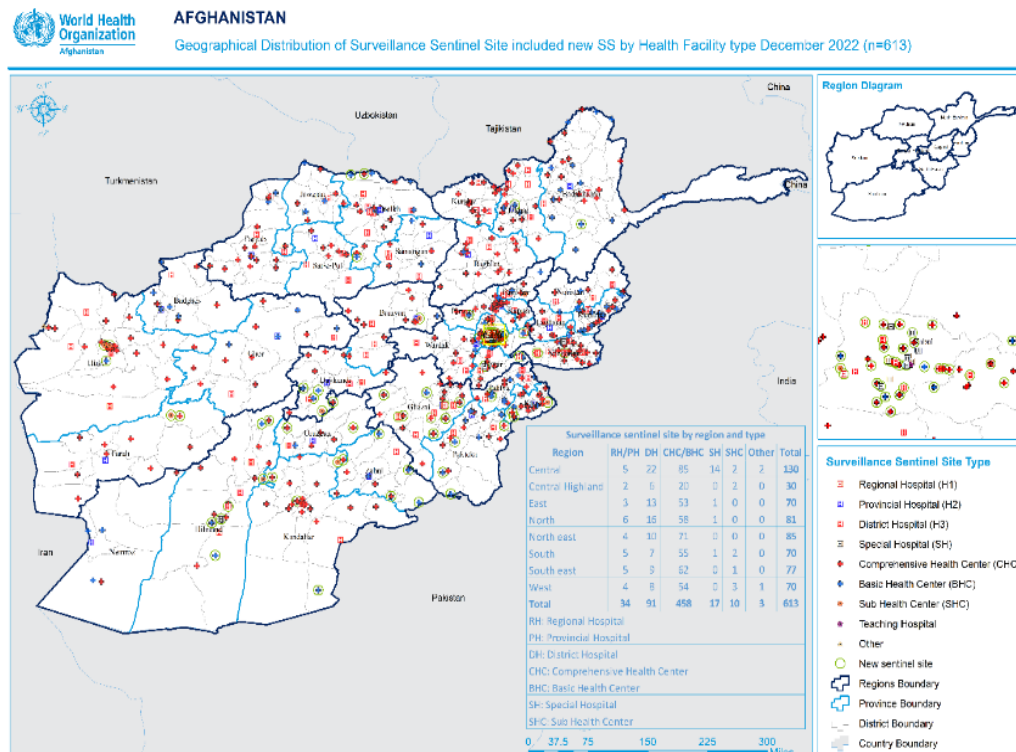


Table 1: Coverage of NDSR Surveillance System

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 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

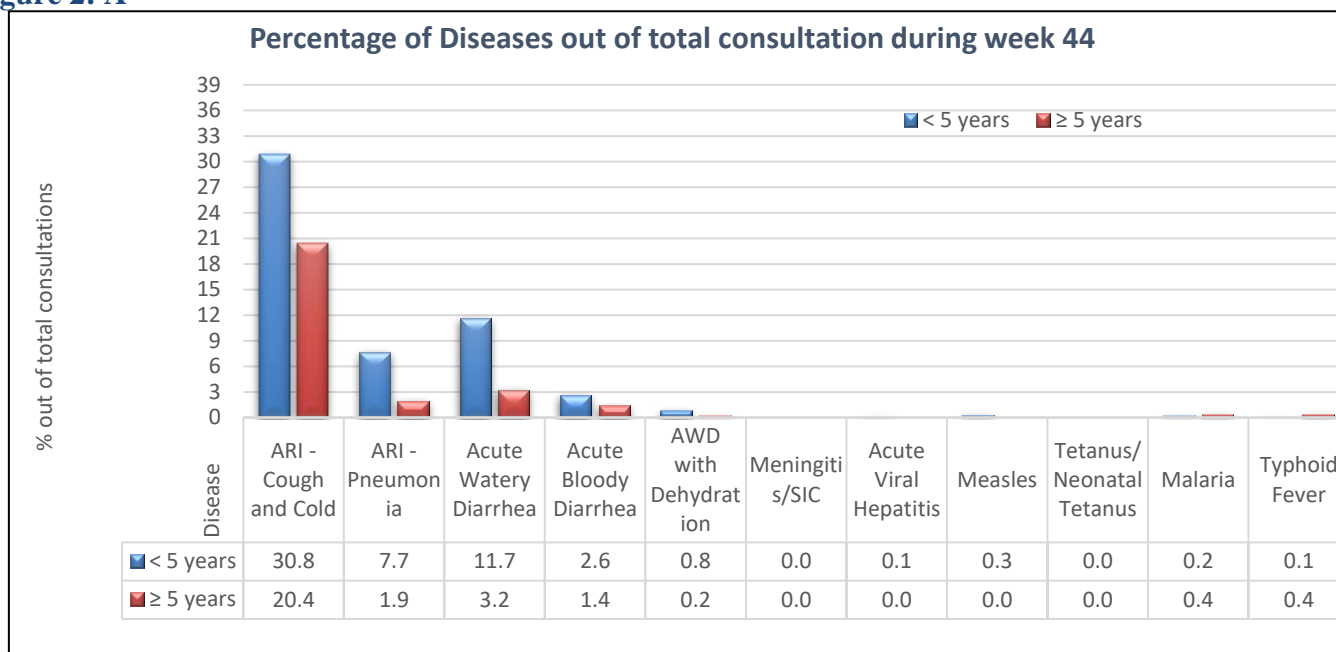
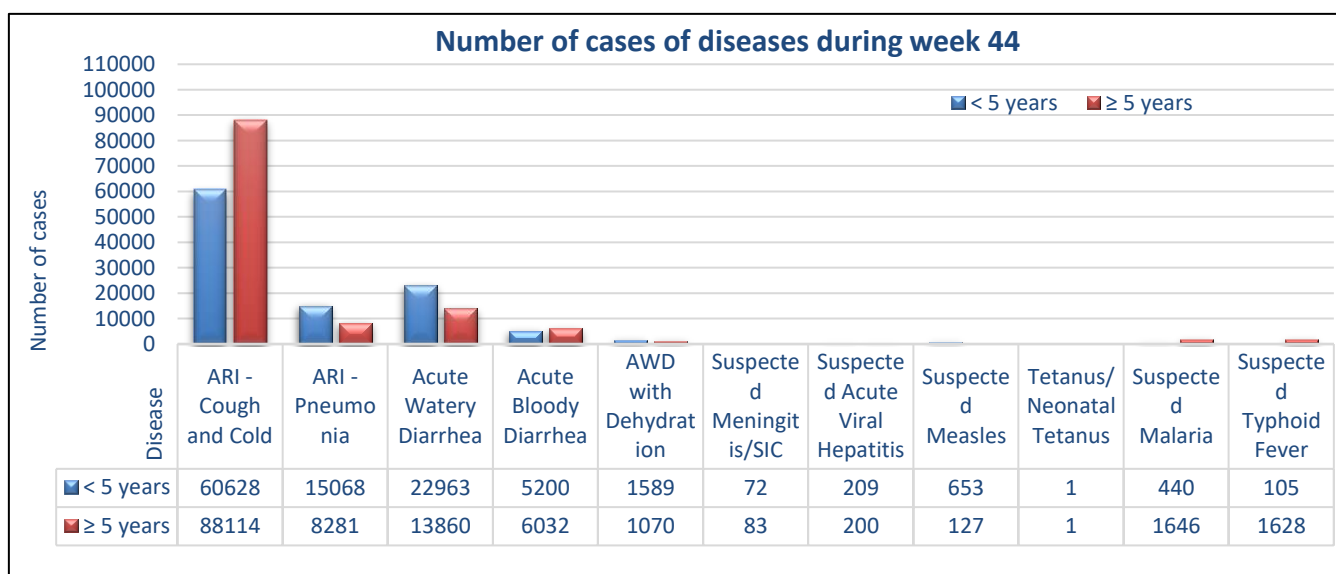


Figure 2: B



Seasonal Diseases:
Figure 3: A

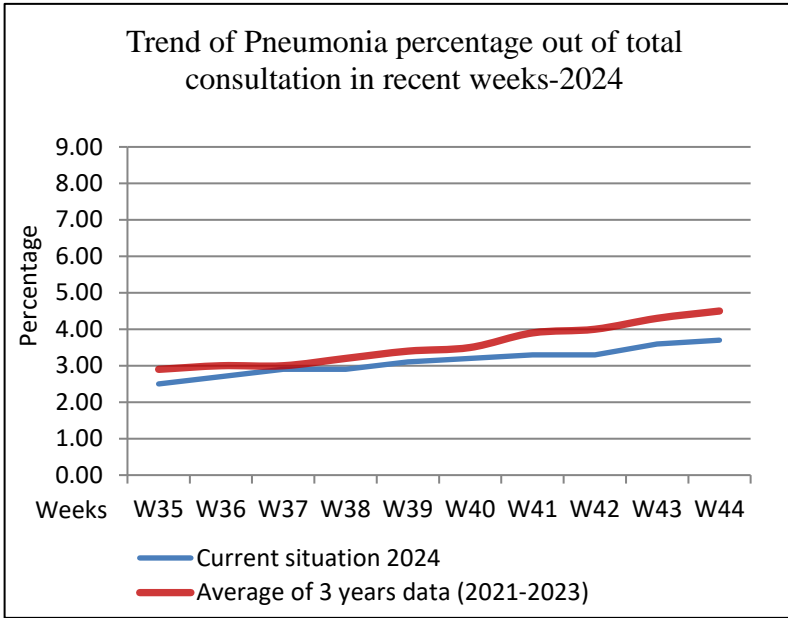


Figure 3: B

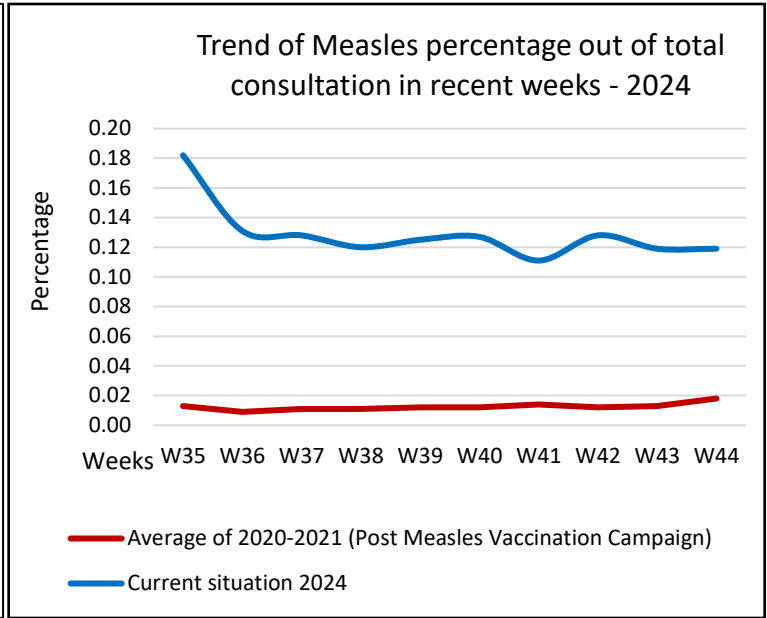


Figure 3: C

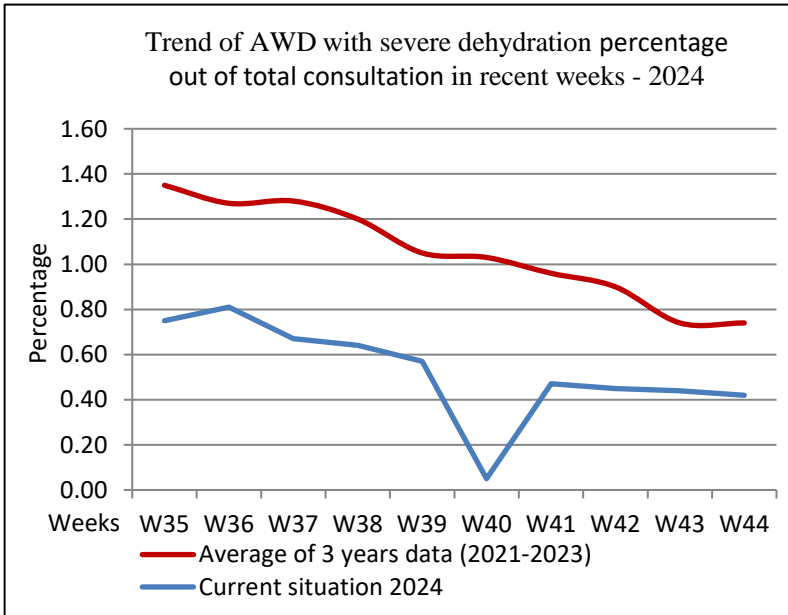


Figure 3: D

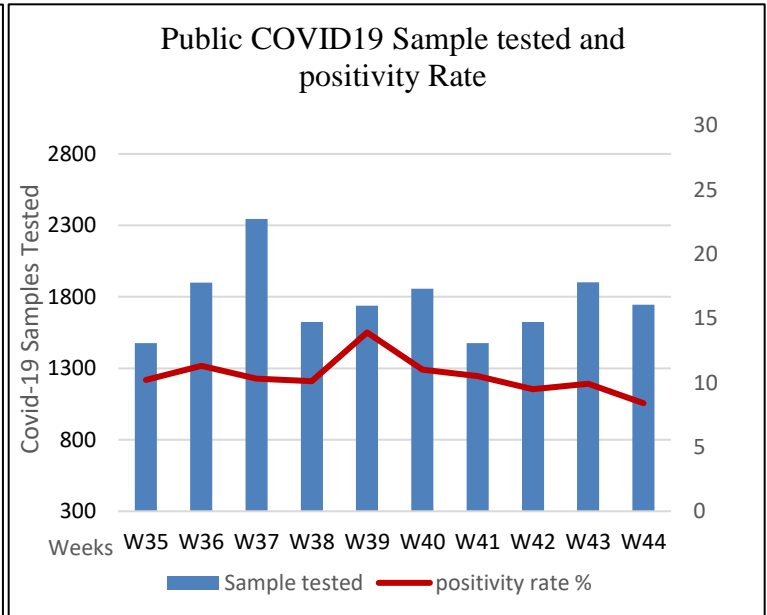


Table 3: Outbreaks in Week 44th 2024:

AFGHANISTAN INFECTIOUS DISEASE OUTBREAKS REPORT Epidemiological week #44-2024								
Event / Diseases Name	Reported date	Province	District	Village	Total Cases	Total Deaths	Vaccination coverage, If VPD	
							Related HF reported coverage	Field Estimated Coverage
Clinical Scabies	26/10/24	Ghor	Dulainah	Gardholang	8	0	NA	NA
	29/10/24	Kunduz	Kunduz	Madrasah Qari Shafiqullah	45	0	NA	NA
	30/10/24	Takhar	Taloqan	5th Street Of Shahidi	7	0	NA	NA
	27/10/24	Panjshir	Paryan	Barga	12	0	NA	NA
	30/10/24	Parwan	Bagram	Qalla-E-Guli	21	0	NA	NA
Suspected Measles	24/10/24	Farah	Khak-E-Safid	Lalazoy (Kalata Sayd Muhammad)	10	0	80%	70%
	29/10/24	Paktika	Khair Kot	Mad Hassan	7	0	134%	84%
	29/10/24	Parwan	Bagram	Barik Aab	6	0	70%	45%
	31/10/24	Wardak	Chak	Gadely	10	0	67%	58%
	31/10/24	Wardak	Jaghto	Adina	14	0	42%	64%
AWD with Dehydration	29/10/24	Helmand	Nawa-Barekzi	Harat Mati Nawali	2	0	NA	NA
	29/10/24	Helmand	Khanashin	Qali Naw Spin Masjid	1	0	NA	NA
	30/10/24	Helmand	Lashkargha	Kochine Kariz	1	0	NA	NA
	28/10/24	Nangarhar	Sorkhroad	Shukrullah Numri	1	0	NA	NA
Clinical Chickenpox	28/10/24	Herat	Guzara	Qleh Paeen	23	0	NA	NA
	01/11/24	Logar	Baraki Barak	Nowabad Tawkal	8	0	NA	NA
	26/10/24	Paktia	Gardiz	Azizi Qala	13	0	NA	NA
Dog Bite/ suspected Rabies	28/10/24	Khost	Musa Khel	Ghalang	4	0	NA	NA

Figure 4: Clinical Scabies, Suspected and Confirmed Measles, AWD with Dehydration, Clinical Chickenpox, Dog bite/ Suspected Rabies, COVID-19 cases, and deaths during the week 44th 2024.

Distribution of outbreak cases and deaths during the week 44, 2024 by Provinces

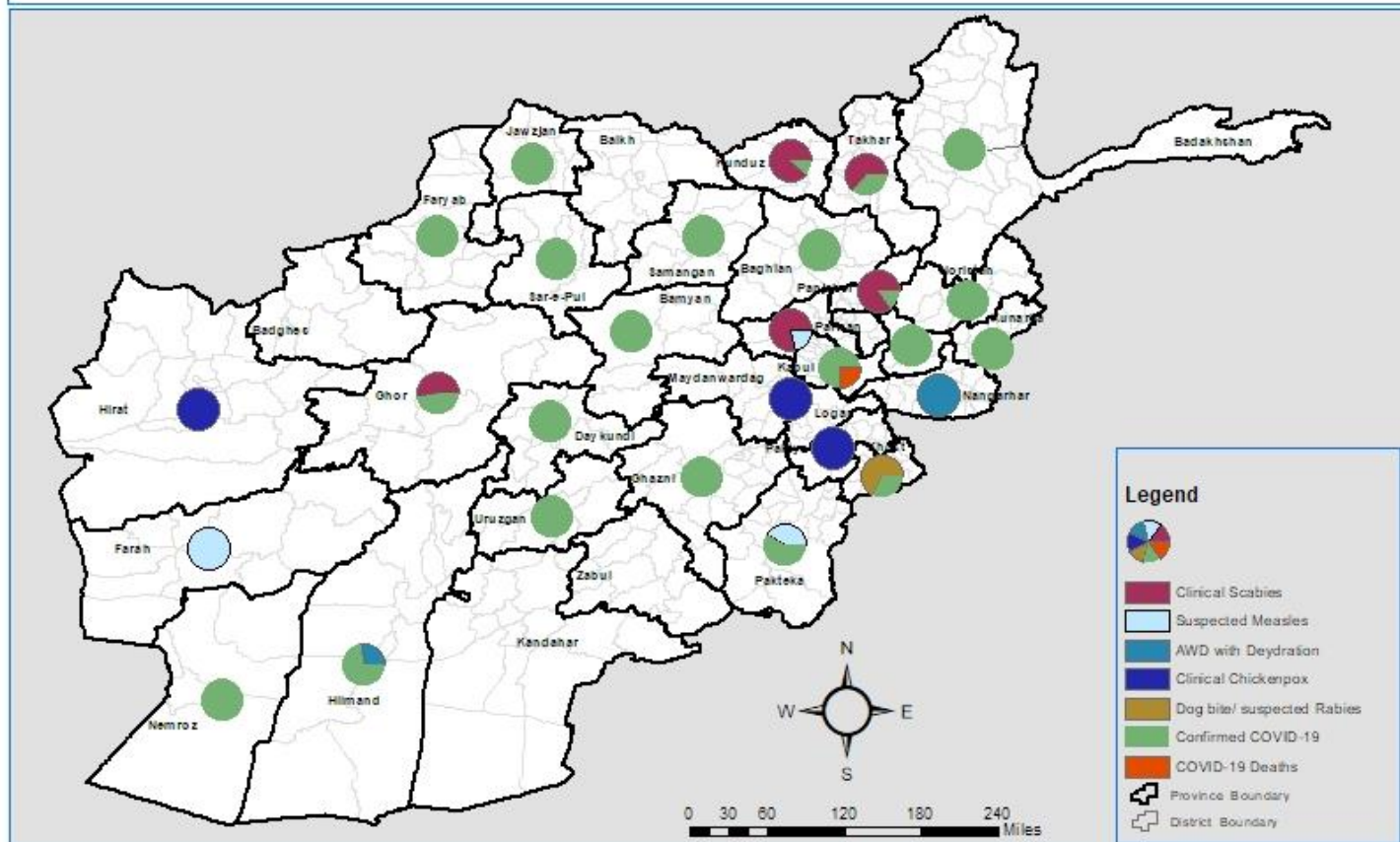


Table 4: Updated cumulative outbreak reports during 2024 (31 Dec 2023 to 02 Nov 2024)

Disease/Event	Disease/Event	Lab-Confirm	Total Cases	Total Deaths
Scabies	408	0	15919	0
Measles	392	191	4521	34
Suspected Chickenpox	228	61	3853	0
Dog bites/Suspected Rabies	89	0	675	3
Pertussis	10	4	175	0
Mumps	17	0	245	0
Impetigo	15	0	341	0
Leishmaniasis	5	3	616	0
Pink Eye	4	0	39	0
ARI/Pneumonia	8	0	499	10
Food Poisoning	19	0	257	0
Dengue Fever	7	5	218	0
Typhoid Fever	7	1	160	0
CCHF	17	17	45	10
ARI cough and cold	1	0	55	0
Neonatal Tetanus	2	0	4	1

COVID-19	5	5	220	4
Anthrax	8	0	11	0
Acute Watery Diarrhea	2	0	238	0
Acute Watery Diarrhea + Dehydration	49	43	528	6
Confirmed Malaria	28	28	2733	0
Acute Bloody Diarrhea	2	0	54	0
Unknown Poisoning	1	0	5	3
Brucellosis	1	0	14	0
Clinical Botulism	2	0	11	1
Viral Hepatitis	3	2	62	0
Grand Total	1330	360	31498	72

Laboratory surveillance:

A total of **3902** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **15** specimens were confirmed for Acute Viral Hepatitis, **70** specimens were confirmed for Measles and **56** specimens were confirmed for Malaria (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological Week 44, 2024, we have received reports from all ten influenza sites (Kabul, Kandahar, Balkh, Herat, Bamyán, Baghlan, Nangarhar, Kapisa, Paktia, and Badakhshan) provinces. Out of all new hospital admissions, 886 (13,2%) Severe Acute Respiratory Infections cases were reported, and 532 (60%) were under 5 years old. The proportion of SARI cases increased compared to weeks 43–2024. 28 SARI-associated deaths were reported this week. At the 10 Influenza sentinel sites, the top sites with the highest proportion of SARI cases were Kabul (38%), Bamyán (36.5%), and Kapisa (31.7%). During this week, our field staff collected 60 SARI and 40 ILI specimens, which were then shipped to the NIC in Kabul.

COVID-19 Surveillance activities:

This week, **1745** specimens were tested for the suspected COVID-19. Out of which **147** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 8.4% this week, which decreased 1.5% compared to the previous week.
- Out of **147 confirmed** cases, **323** contacts out of **75** 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 **8004** passengers have been screened for COVID-19 at the two points of entry in (Kandahar and Nimroz provinces).

Challenges and recommendations:

- Measles cases are still a public health concern in the country.
- 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 of 0.5% compared to the previous week.

- Diarrheal diseases cases are on the decreasing trend of 0.4% compared to the previous week.
- Pneumonia cases are on the increasing trend 0.1% compared to the previous week.
- COVID-19 preventive and control measures should be strengthened.
- 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 **827 (IBS+EBS)** suspected Measles cases with **06 (IBS+EBS)** deaths 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.