

Summary:

- Out of 613 functional surveillance sentinel sites, 608 (99.2%) have submitted reports this week.
- A total of 636,161 new consultations, of which 242,102 (38.1%) were due to Surveillance targeted diseases. That included 127,023 (52.5%) males and 115,079 (47.5%) females. Also, 109,975 (45.4%) people under five years old and 132,127 (54.6%) people five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (167,293 = 26.3% cases out of total new consultations), Acute Diarrheal Diseases (39,293 = 6.2% cases out of total new consultations), and Pneumonia (30,030= 4.7% cases out of total new consultations).
- A total of 376 deaths were reported this week, of which 59 (15.7%) deaths were due to surveillance-targeted diseases, which include 45 ARI Pneumonia deaths, 06 suspected Measles deaths, 03 Suspected Meningitis deaths, 03 AWD with Dehydration deaths, 01 Acute Viral Hepatitis death and 01 COVID-19 death.
- In addition, during this week, 24 outbreaks were reported: 08 Suspected Measles outbreaks were reported from Ghazni, Helmand, Paktia, Kunduz, Kabul and Urozgan provinces, 06 Clinical Scabies outbreaks were reported from Kunar, Logar, Nangahar, Paktia, Panjshir and Wardak provinces, 04 Clinical Chickenpox outbreaks were reported from Ghazni, Kunduz, Paktia and Takhar provinces, 02 AWD with Dehydration outbreak were reported from Kandahar and Nangarhar provinces and 01 Anthrax outbreak was reported from Baghlan province, 01 Impetigo outbreak was reported from Badakhshan province, 01 Typhoid Fever outbreak was reported from Badghis province and 01 Suspected Mumps was reported from Balkh province.
- Moreover, 111 COVID-19 confirmed cases, and 966 suspected Measles cases (IBS) were reported at the national level.

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

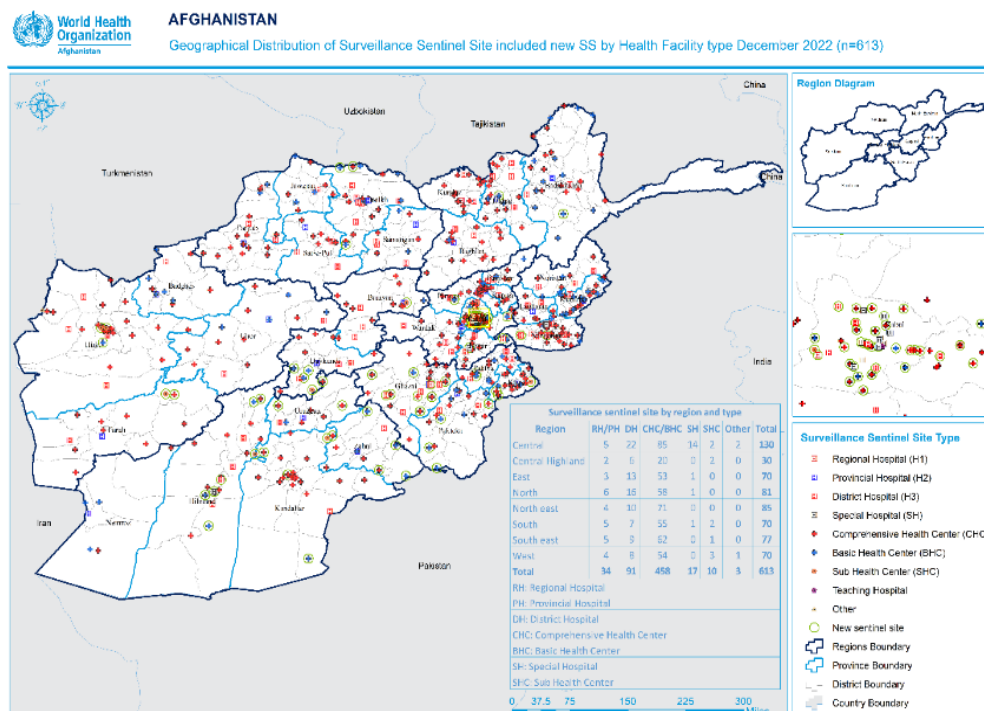


Table 1: Coverage of NDSR Surveillance System

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

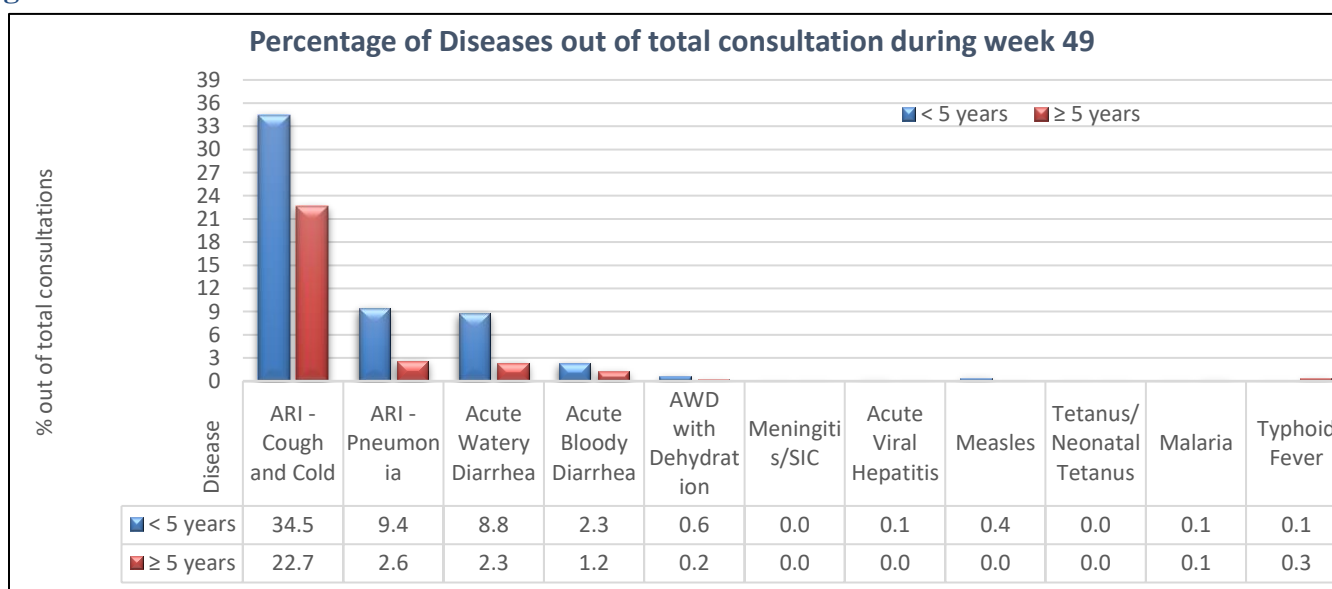
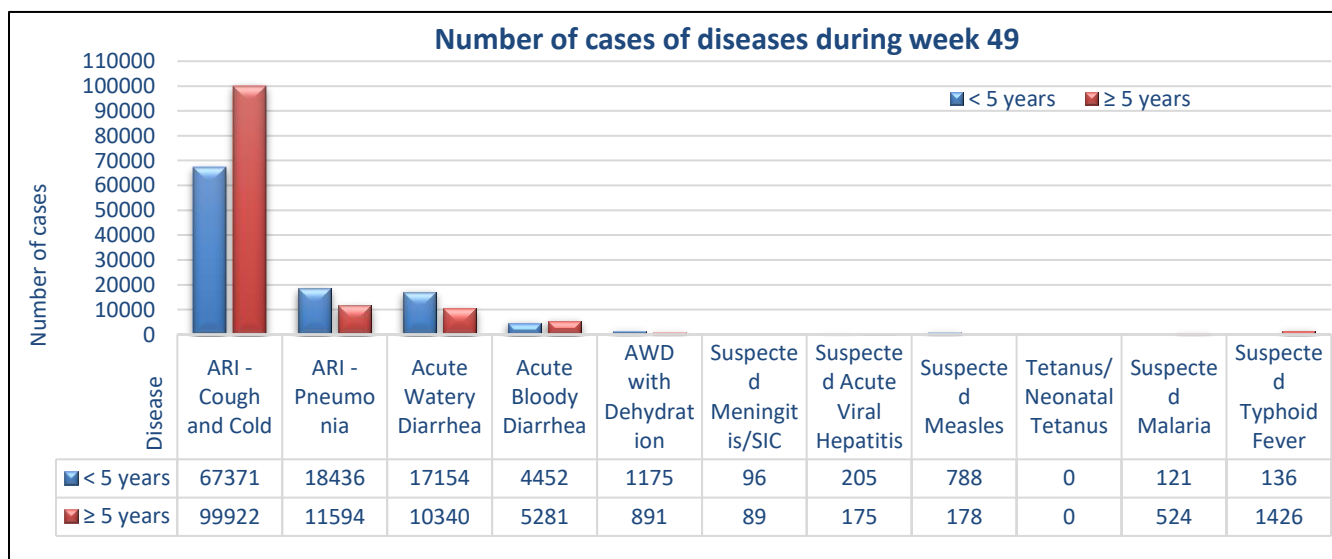


Figure 2: B



Seasonal Diseases:

Figure 3: A

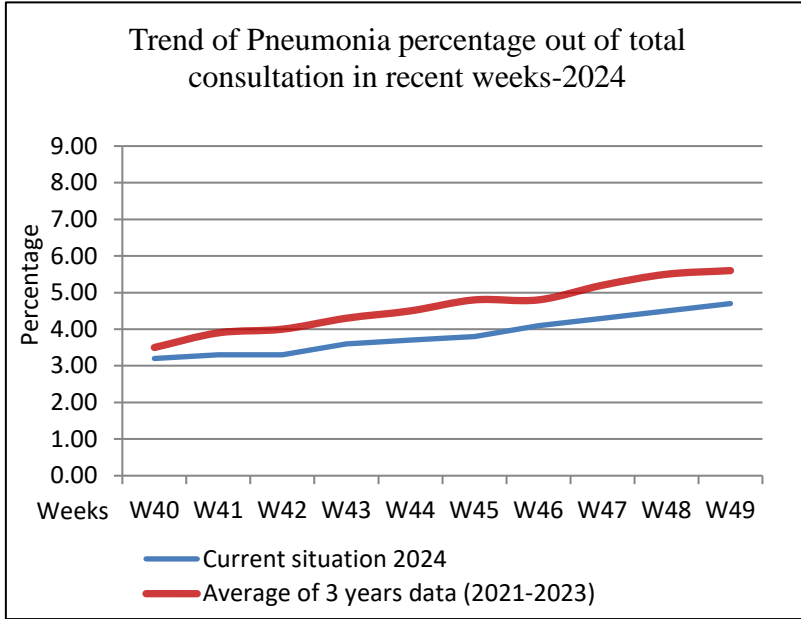


Figure 3: B

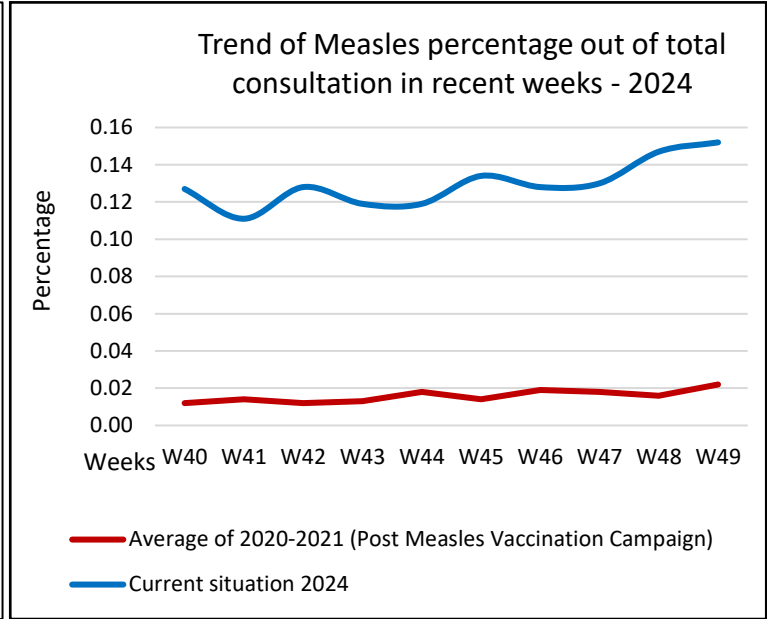


Figure 3: C

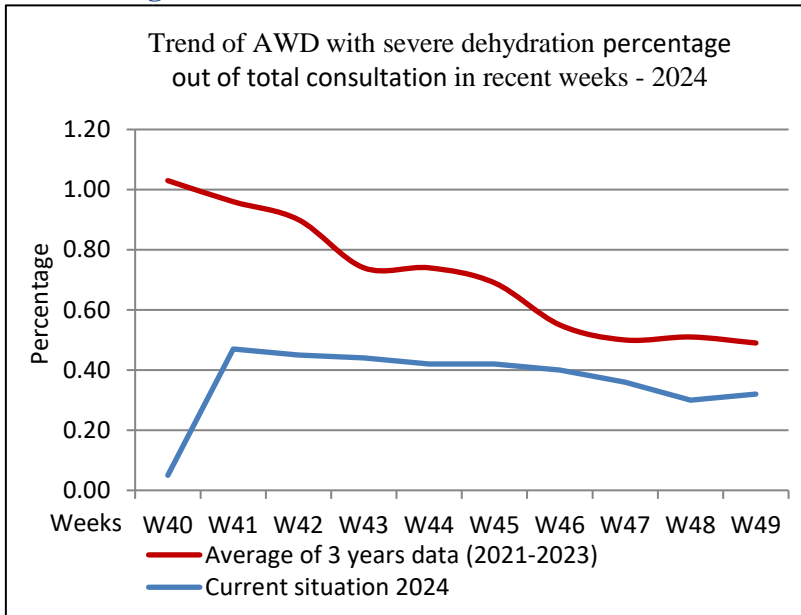


Figure 3: D

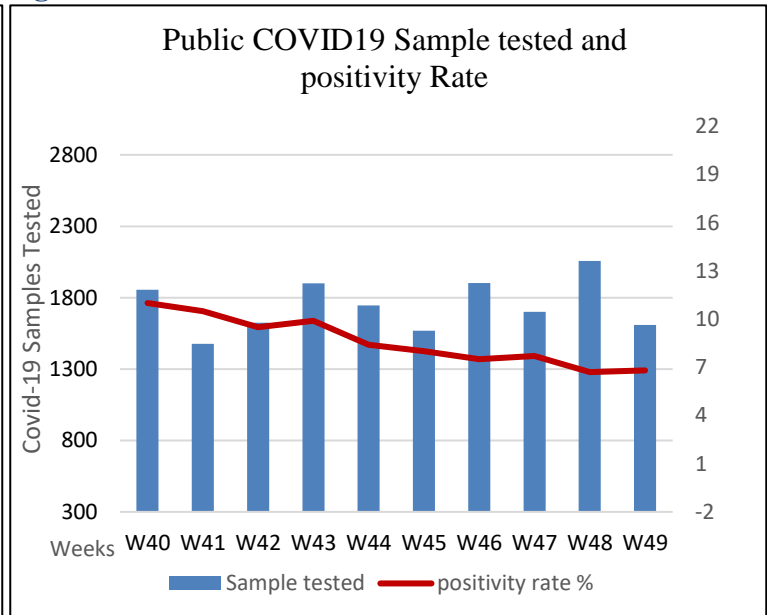


Table 3: Outbreaks in Week 49th 2024:

AFGHANISTAN INFECTIOUS DISEASE OUTBREAKS REPORT Epidemiological week #49-2024								
Event / Diseases Name	Reported date	Province	District	Village	Total Cases	Total Deaths	Vaccination coverage, If VPD	
							Related HF reported coverage	Field Estimated Coverage
Suspected Measles	06/12/24	Ghazni	Andar	Narmi	16	0	0%	85%
	02/12/24	Helmand	Marjah	Kari Sada	10	0	75%	10%
	06/12/24	Helmand	Baghran	Wala Khor Sema	10	3	70%	8%
	03/12/24	Kabul	Bagrami	Sarak Seyah	8	0	70%	25%
	29/11/24	Kunduz	Gul Tipa	Larkhabi	10	1	90%	50%
	30/11/24	Paktia	Dand E Patan	Taro Khil	12	0	80%	20%
	30/11/24	Urozgan	Chinarto	Sia Ghar	10	0	83%	40%
	30/11/24	Helmand	Rige Khansheen	Haji Malak Mosque	6	0	70%	12%
Clinical Scabies	07/12/24	Kunar	Asadabad Center	Jamia Mohammadi Madrasa	142	0	NA	NA
	03/12/24	Logar	Charkh	Noora	31	0	NA	NA
	05/12/24	Nangarhar	Spinghar	Raghzi Shadal	46	0	NA	NA
	03/12/24	Paktia	Zazy Aryub	De Dare Khula	17	0	NA	NA
	04/12/24	Panjshir	Anaba	Rashid Khil	36	0	NA	NA
	02/12/24	Wardak	Daymirdad	Qolzanagy	123	0	NA	NA
Clinical Chickenpox	06/12/24	Ghazni	Ajrestan	Malik Khial	20	0	NA	NA
	03/12/24	Kunduz	Kunduz	Dad Abad	10	0	NA	NA
	30/11/24	Paktia	Gardiz	Azghan	7	0	NA	NA
	05/12/24	Takhar	Taloqan	Naghara Tapa	5	0	NA	NA
AWD with Dehydration	05/12/24	Kandahar	Kandahar City	Merwise Mina	8	0	NA	NA
	04/12/24	Nangarhar	Khiwa	Attawar	1	0	NA	NA
Anthrax	05/12/24	Baghlan	Pule Khumri	Baladori	1	0	NA	NA
Impetigo	04/12/24	Badakhshan	Shuhada	Wanj	17	0	NA	NA
Suspected Mumps	01/12/24	Balkh	Mazar-I-Sharif City	Noor Khoda	6	0	NA	NA
Typhoid Fever	25/11/24	Badghis	Jawand	Lakhak & Ghar-e-Sahra	71	0	NA	NA

Figure 4: Suspected Measles, Clinical Scabies, Clinical Chickenpox, AWD with Dehydration, Anthrax, Impetigo, Suspected Mumps, Typhoid Fever, COVID-19 cases, and deaths during the week 49th 2024.

Distribution of outbreak cases and deaths during the week 49, 2024 by Provinces

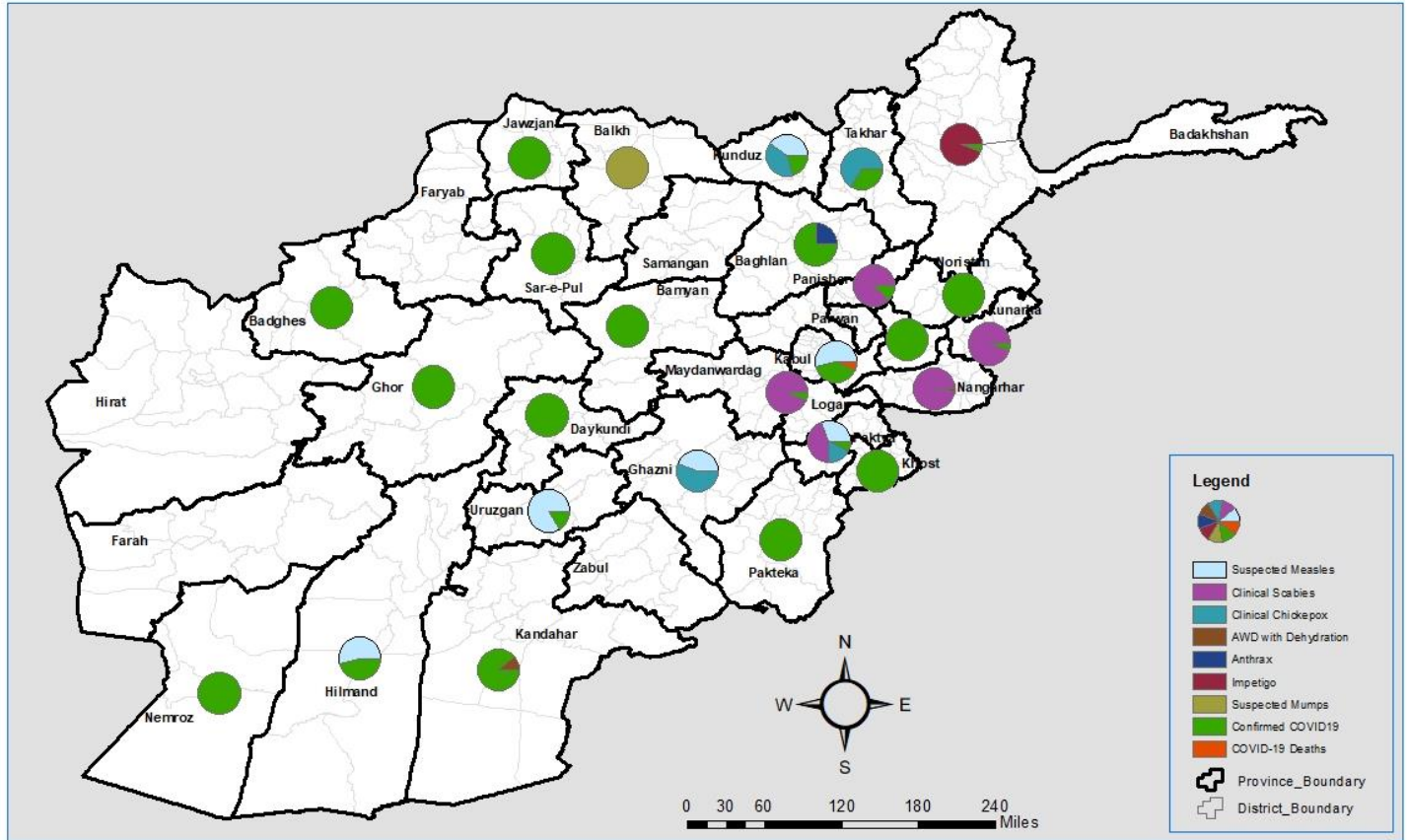


Table 4: Updated cumulative outbreak reports during 2024 (31 Dec 2023 to 07 Dec 2024)

Disease/Event	Disease/Event	Lab-Confirm	Total Cases	Total Deaths
Scabies	454	0	17920	0
Measles	436	191	4977	43
Suspected Chickenpox	246	61	4062	0
Dog bites/Suspected Rabies	94	0	714	3
Pertussis	10	4	175	0
Mumps	18	0	251	0
Impetigo	17	0	377	0
Leishmaniasis	6	3	639	0
Pink Eye	5	0	59	0
ARI/Pneumonia	9	0	536	10
Food Poisoning	20	0	280	0
Dengue Fever	9	7	251	0
Typhoid Fever	9	1	302	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	10	0	13	0
Acute Watery Diarrhea	2	0	238	0
Acute Watery Diarrhea + Dehydration	56	50	543	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	5	2	83	0
Grand Total	1465	369	34561	81

Laboratory surveillance:

A total of **2398** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **11** specimens were confirmed for Acute Viral Hepatitis and **52** specimens were confirmed for Measles (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological Week 49, 2024, we have received reports from all ten influenza sites (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa, Paktia, and Badakhshan) provinces. Out of all new hospital admissions, 894 (13,6%) Severe Acute Respiratory Infections cases were reported, and 540 (60,4%) were under 5 years old. The proportion of SARI cases decreased compared to the weeks 48-2024, 26 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 (40%), Kapisa (37,3%) and Bamyan (34,1%). 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, **1608** specimens were tested for the suspected COVID-19. Out of which **111** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 cases' positivity rate was 6.9% this week, which increased 0.2% compared to the previous week.
- Out of **111 confirmed** cases, **192** contacts out of **37** 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 **9358** 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 0.3% compared to the previous week.
- Pneumonia cases are on the increasing trend 0.2% 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 **1048 (IBS+EBS)** suspected Measles cases with **10 (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.