

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 12th

Date: 17 – 23 /03 - 2024

Summary:

- Out of **613** functional Surveillance sentinel sites, **613 (100%)** have submitted reports this week.
- A total of **638,580** new consultations, of which **243,717 (38.2%)** were due to Surveillance targeted diseases. That included **129,048 (52.9%) males** and **114,669 (47.1%) females**. Also, **114,109 (46.8%)** people under five years old and **129,608 (53.2%)** five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**167,756 = 26.3%** cases out of total new consultations), Acute Diarrheal Diseases (**36,289 = 5.7%** cases out of total new consultations), and Pneumonia (**33,841 = 5.3%** cases out of total new consultations).
- A total of **314** deaths were reported this week, of which **82 (26.2%)** deaths were due to surveillance-targeted diseases, which include **59 ARI Pneumonia** deaths, **06 Suspected Meningitis** deaths, **07 suspected Measles** deaths, **03 Acute watery Diarrhea with Dehydration** deaths, **03 COVID-19** deaths, **02 Acute Viral Hepatitis** deaths, **01 Neonatal Tetanus** death and **01 Suspected Hemorrhagic Fever** death.
- In addition, during this week, **41** outbreaks were reported: **15 Clinical Scabies** outbreaks were reported from Baghlan, Bamyán, Ghazni, Helmand, Kabul, Kapisa, Laghman, and Nangarhar provinces, **14 suspected Measles** outbreaks were reported from Faryab, Ghazni, Ghor, Nangarhar, Nimroz, Nuristan, Paktia, Parwan, Panjshir, Urozgan, Wardak and Zabul provinces, **07 Clinical Chickenpox** outbreaks were reported from Helmand, Herat, Kunduz, Paktia, Panjshir and Takhar provinces, **03 Dog bite/ suspected Rabies** outbreaks were reported from Helmand, Khost and Parwan provinces and **02 Food Poisoning** outbreaks were reported from Kunar and Kandahar Provinces.

Moreover, **221** COVID-19 confirmed cases and **1642** suspected Measles cases (IBS) were reported at the national level.

Figure 1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2024

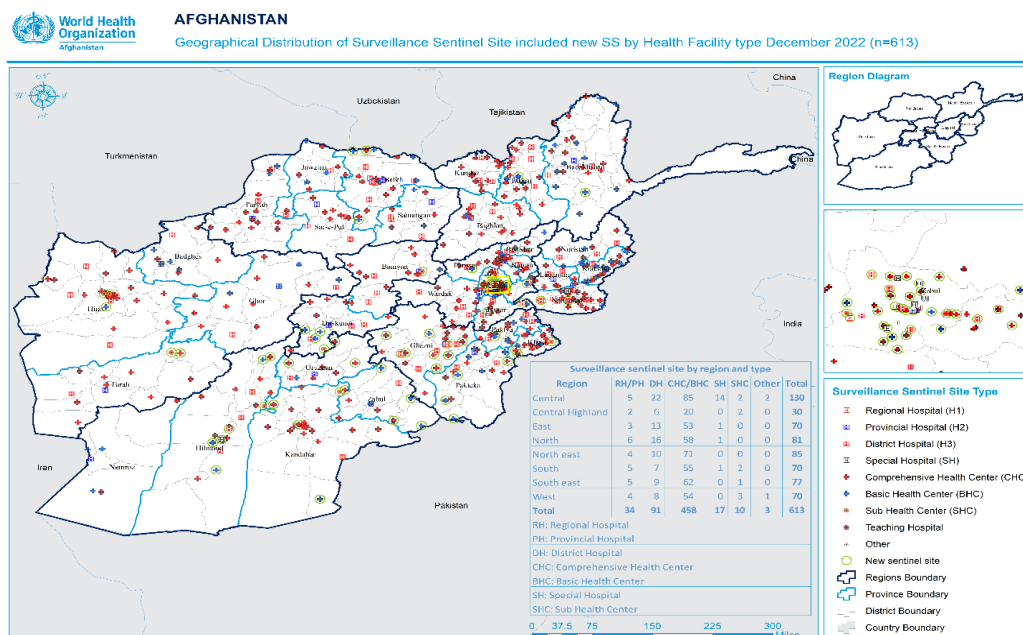


Table 1: Coverage of NDSR Surveillance System

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

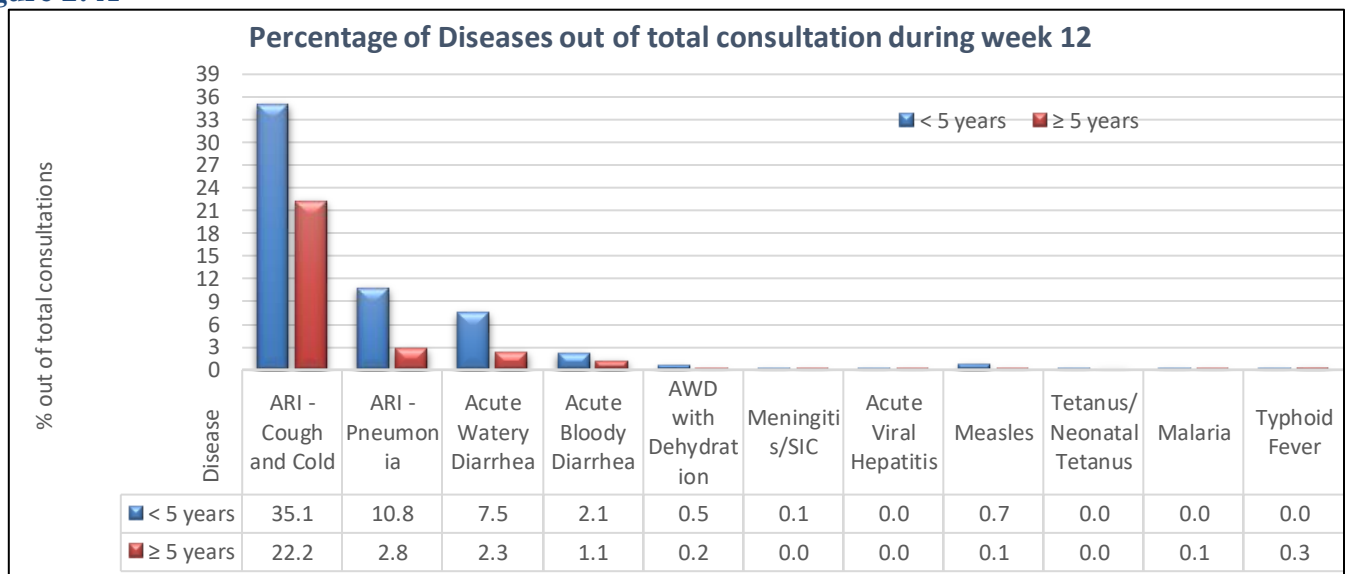
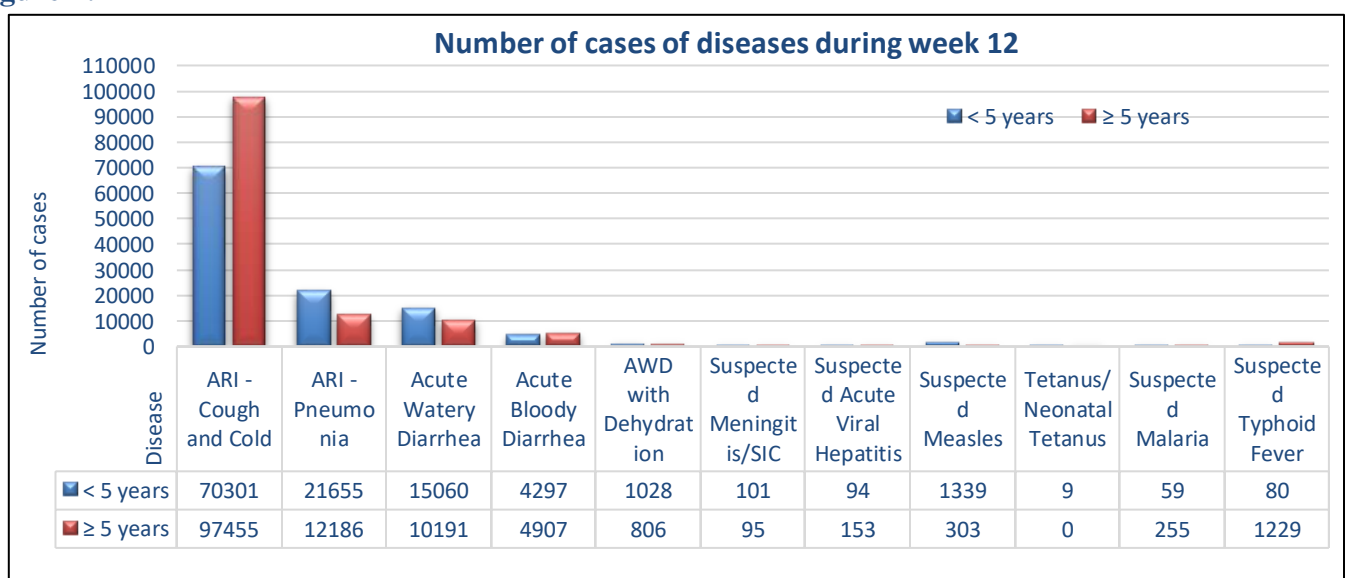


Figure 2: B



Seasonal Diseases:

Figure 3: A

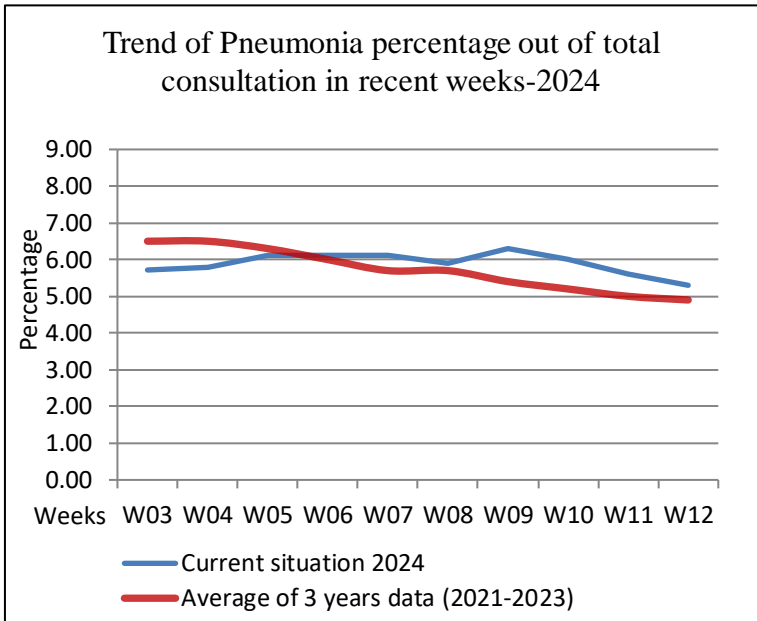


Figure 3: B

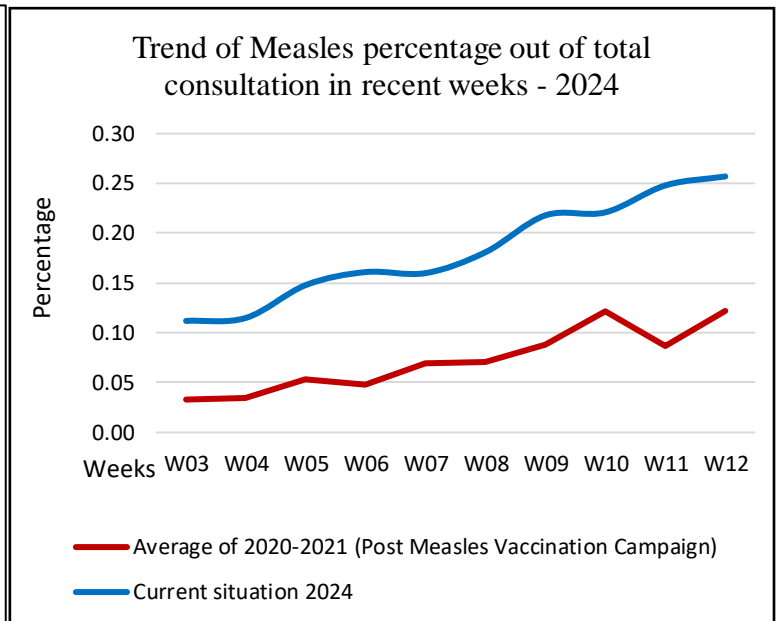


Figure 3: C

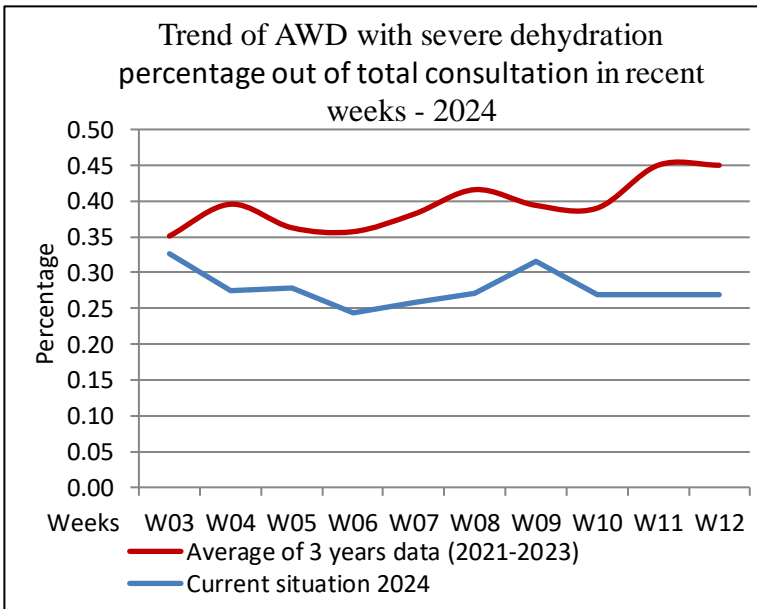


Figure 3: D

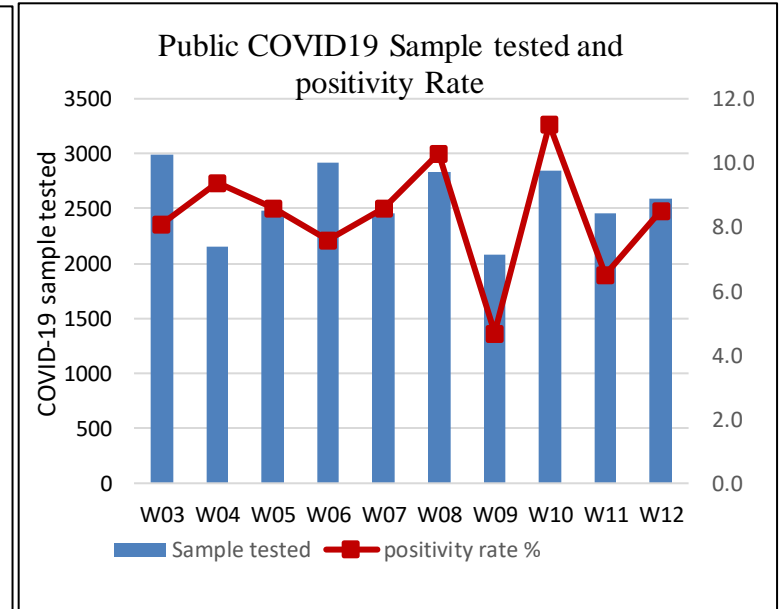


Table 3: Outbreaks in Week 12th 2024:

AFGHANISTAN INFECTIOUS DISEASE OUTBREAKS REPORT Epidemiological week # 12-2024								
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	19/03/24	Baghlan	Doshi	Qara Daka And Mardan Kheil	27	0	NA	NA
	17/03/24	Bamyan	Saighan	Sayed Baba	26	0	NA	NA
	22/3/24	Ghazni	Center	Khashik	18	0	NA	NA
	17/03/24	Helmand	Garamsir	Darb-Hasht	11	0	NA	NA
	16/03/24	Kabul	Bagrami	Botkhak	12	0	NA	NA
	16/03/24		Chahar Asyab	Baro Mosque	21	0	NA	NA
	17/03/24		12	Qala E Shanan	10	0	NA	NA
	18/03/24		Bagrami	Etefaq	24	0	NA	NA
	16/03/24	Kapisa	Center	Derstan	9	0	NA	NA
	18/03/24		Kohistan-2	Murad Khanja	12	0	NA	NA
	21/03/24		Center	Dado Khail	11	0	NA	NA
	17/03/24	Laghman	Qarghaee	Zara Qala, Kakas	30	0	NA	NA
	16/03/24	Nangarhar	Speenghar	Asadkhil	114	0	NA	NA
	19/03/24		Behsood	Pashayano Village Samarkhil	97	0	NA	NA
	20/03/24		Sorkhroad	Bar Shikhmesri High School	43	0	NA	NA
Suspected Measles	18/03/24	Faryab	Qaysar	Mataw	8	0	53%	0%
	19/3/24	Ghazni	Gillan	Lawang	11	0	61%	0%
	23/3/24		Deyak	Ajabkhanabad	12	0	87%	60%
	16/03/24	Ghor	Moghor	Daray Takht	7	3	82%	50%
	17/03/24	Nangarhar	Ghanikhil Shinwar	26th Canal	12	0	100%	67%
	17/03/24	Nimroz	Zarang	Deh-E-Kedali	9	0	50%	28%
	20/03/24	Nuristan	Dowab	Chandardari	6	1	100%	65%
	20/03/24	Paktia	Ahmad Aba	Mansoor Khil	22	0	80%	30%
	22/03/24	Parwan	Bagram	Qall-E-Nasro	11	0	25%	65%

	18/03/24	Panjshir	Paryan	Arib	10	0	70%	30%
	19/03/24	Urozgan	Khas-Urozgan	Toshkan	23	0	113%	4%
	18/03/24		Chora	Qala-Rogh	20	0	50%	91%
	17/03/24	Wardak	Said Abad	Laram	8	0	88%	85%
	22/03/24	Zabul	Qalat	Lali Masjid	8	0	90%	26%
Clinical Chickenpox	20/03/24	Helmand	Lashkargha	Qala-Kona	17	0	NA	NA
	17/03/24	Herat	City	Female Prison	18	0	NA	NA
	16/03/24		Kohsan	Qudos Abad	34	0	NA	NA
	18/03/24	Kunduz	Chahardara	Sar Asiyab	6	0	NA	NA
	17/03/24	Paktia	Gardez	Tera Tandan	13	0	NA	NA
	19/03/24	Panjshir	Paryan	Chewan	7	0	NA	NA
	20/03/24	Takhar	Farkhar	Per Farkhar	5	0	NA	NA
Dog bite/ suspected Rabies	18/03/24	Helmand	Babaji	Babaji-Rahim Khil	7	0	NA	NA
	21/03/24	Khost	Sobari	Yaqoobi	9	0	NA	NA
	17/03/24	Parwan	Bagram	Gully Qalla	6	0	NA	NA
Food Poisoning	21/03/24	Kunar	Asadabad Center	Lacha Galy	7	0	NA	NA
	18/03/24	Kandahar	Kandahar City	Sub-District#2	5	0	NA	NA

Figure 4: Clinical Scabies, Suspected Measles, Clinical Chickenpox, Dog bite/suspected Rabies, Food Poisoning, COVID-19 Cases, and deaths during the week 12th 2024.

Distribution of outbreak cases and deaths during the week 12, 2024 by Provinces

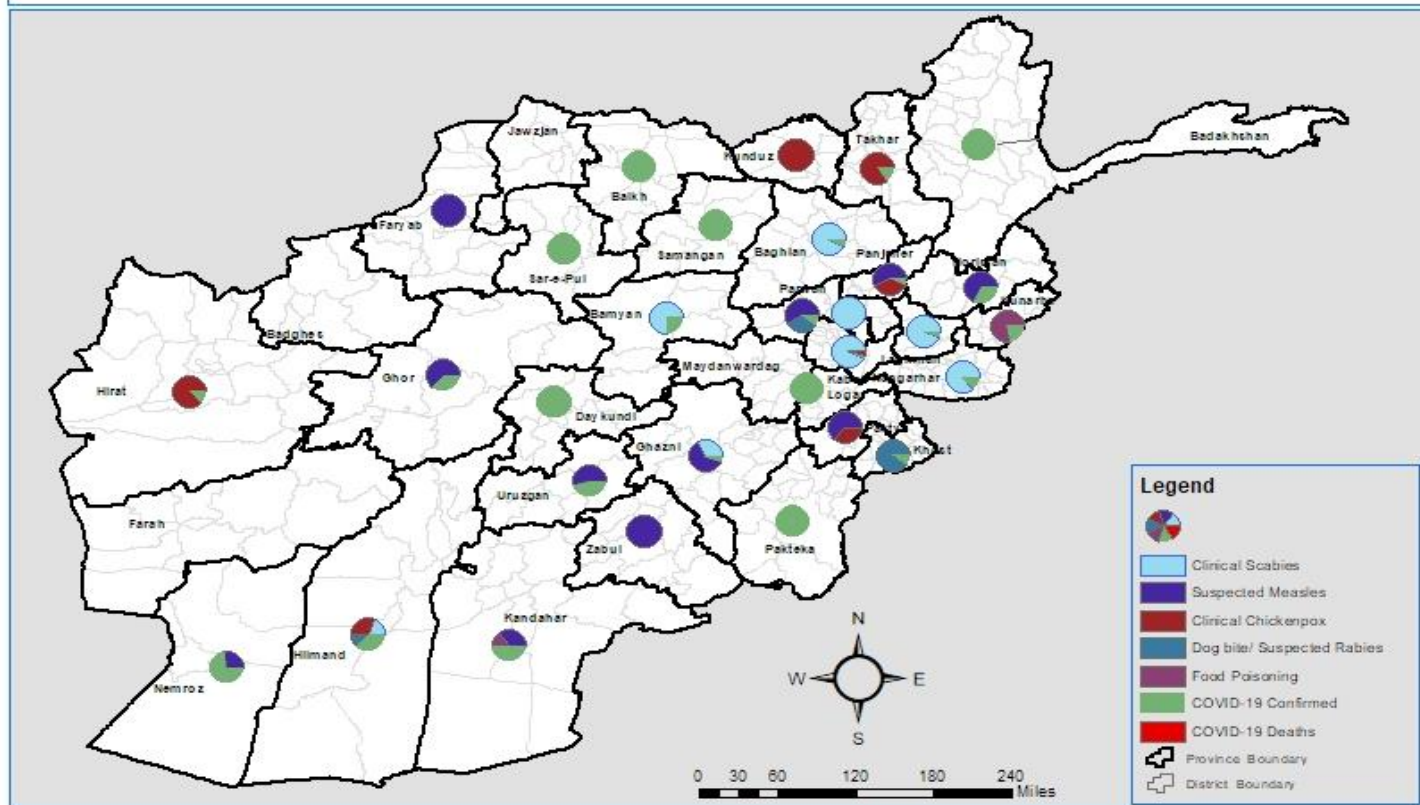


Table 4: Updated cumulative outbreak reports during 2024 (31 Dec 2023 to 23 March 2024)

Disease/Event	Disease/Event	Lab Confirm	Total Cases	Total Deaths
Scabies	146	0	4878	0
Measles	124	52	1510	19
Suspected Chickenpox	123	1	2098	0
Dog bites/Suspected Rabies	27	0	205	0
Pertussis	2	0	16	0
Mumps	13	0	399	0
Impetigo	2	0	79	0
Leishmaniasis	2	1	55	0
Pink Eye	3	0	29	0
ARI/Pneumonia	3	0	88	5
Food Poisoning	4	0	32	0
Dengue Fever	1	1	38	0
Typhoid Fever	1	0	10	0
CCHF	1	1	2	0
ARI cough and cold	1	0	55	0
Neonatal Tetanus	1	1	1	0
Grand Total	454	57	9495	24

Laboratory surveillance:

A total of **3728** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **01** specimens were confirmed for Acute Viral Hepatitis, **254** specimens were confirmed for Measles, and **07** specimens was confirmed for Malaria (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 12th 2024, we have received reports from 10 out of 10 sentinel sites (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa, Paktia and Badakhshan). Out of all new hospital admissions, 958 (20.0%) Severe Acute Respiratory Infections cases were reported and 64% were under 5 years old. The proportion of SARI cases was increased compared to week 11th 2024. 28 SARI-associated deaths were reported this week. At the 10 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (53.3%), Badakhshan (45.0%), and Kabul (44.0%) provinces. During this Epi-week, our field staff shipped 60 SARI and 40 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

This week, **2587** specimens were tested for suspected COVID-19. Out of which **221** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 8.5% this week, which increased 1.0% compared to previous week.
- Out of **221 confirmed** cases, **291** contacts out of **67** 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 **30,312** passengers have been screened for COVID-19 at the points of entry in three provinces (Kandahar, Herat and Nangarhar).

Challenges:

- 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 decreasing trend (1.0%) compared to the previous week.
- Pneumonia cases are on the decreasing trend (0.3%) compared to the previous week.
- Diarrheal diseases are on the increasing trend (0.5%) 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 **1809 (IBS+EBS)** suspected Measles cases with **11 (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.