

Summary:

- Out of **613** functional surveillance sentinel sites, **608 (99.2%)** have submitted reports this week.
- A total of **643,984** new consultations, of which **249,916 (38.8%)** were due to Surveillance targeted diseases. That included **130,493 (52.2%) males** and **119,423 (47.8%) females**. Also, **110,974 (44.4%)** people under five years old and **138,942 (55.6%)** people five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**174,659 = 27.1%** cases out of total new consultations), Acute Diarrheal Diseases (**35,919 = 5.6%** cases out of total new consultations), and Pneumonia (**33,735= 5.2%** cases out of total new consultations).
- A total of **474** deaths were reported this week, of which **78 (16.5%)** deaths were due to surveillance-targeted diseases, which include **60 ARI Pneumonia** deaths, **08 Suspected Meningitis** deaths, **05 Acute Viral Hepatitis** deaths, **02 suspected Measles** deaths, **02 AWD with Dehydration** death and **01 COVID-19** death.
- In addition, during this week, **29** outbreaks were reported: **12 Suspected Measles** outbreaks were reported from Farah, Helmand, Kabul, Kandahar, Logar, Paktia, Samangan, Urozgan and Wardak provinces, **09 Clinical Scabies** outbreaks were reported from Kabul, Kandahar, Khost, Kunar, Kunduz, Laghman, Logar, Panjshir, Takhar provinces, **03 Dog bite/ Suspected Rabies** outbreaks were reported from Herat, Kapisa and Takhar provinces, **02 Clinical Chickenpox** outbreaks were reported from Kandahar and Parwan provinces, **01 ARI/ Pneumonia** outbreak was reported from Zabul province, **01 Pertussis** outbreak was reported from Urozgan province and **01 Clinical Botulism** outbreak was reported from Balkh province.
- Moreover, **173** COVID-19 confirmed cases, and **1085** suspected Measles cases (IBS) were reported at the national level.

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

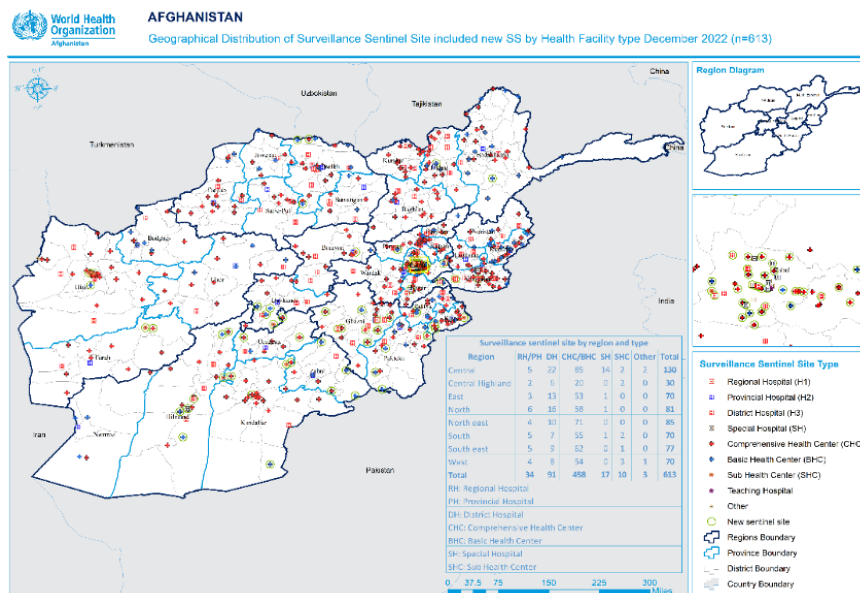


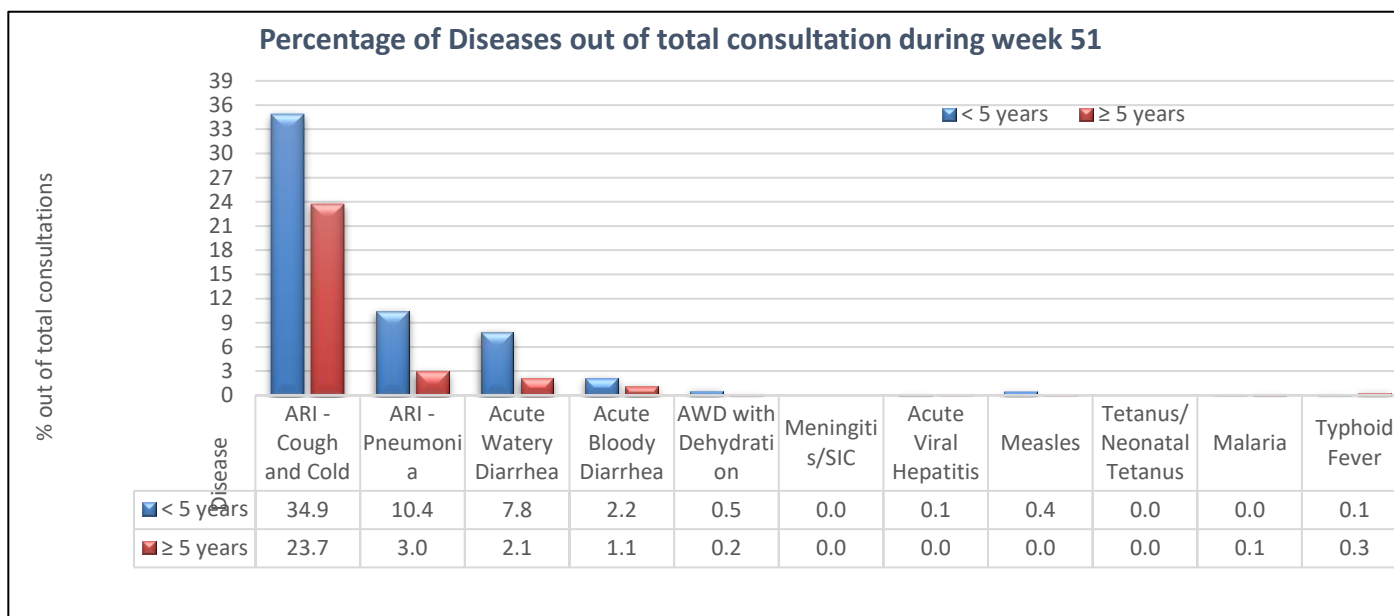
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ Special Hospital	SHC	Other	Total
<b>Total Health Facilities (HF)</b>	8	27	91	437	900	36	1,106	2,093	4,698
<b>HF covered by NDSR-Plus</b>	8	26	90	348	111	17	10	3	613

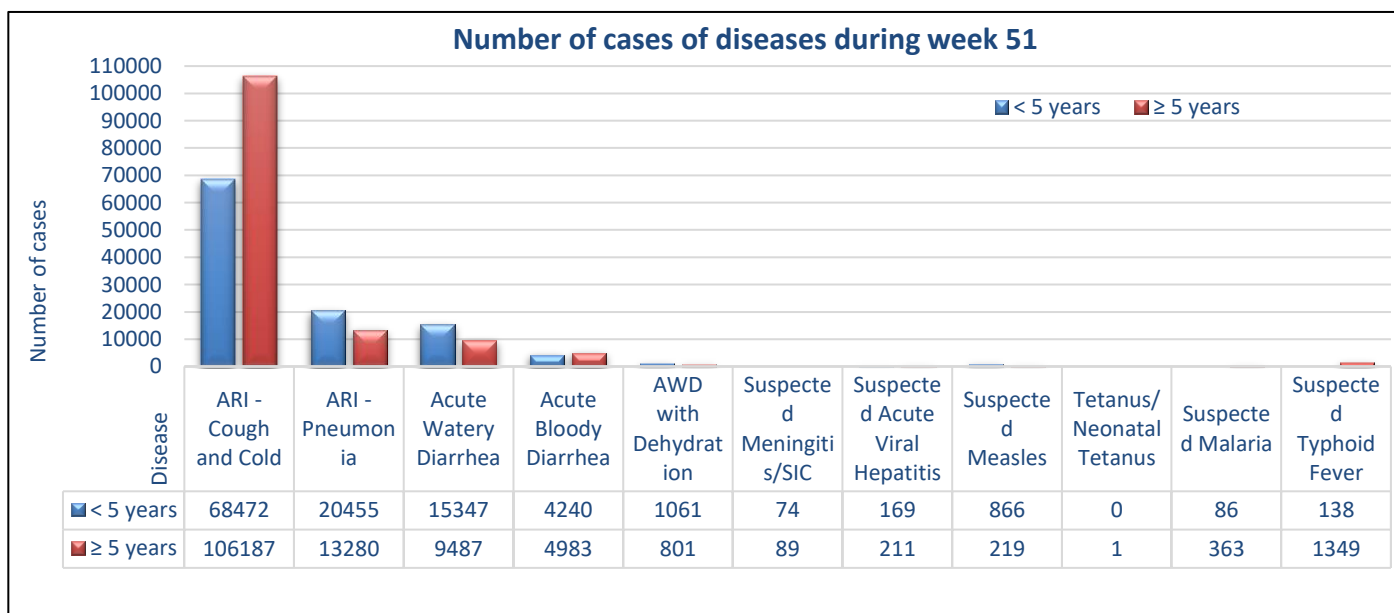
### Indicator - based Surveillance (IBS):

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**

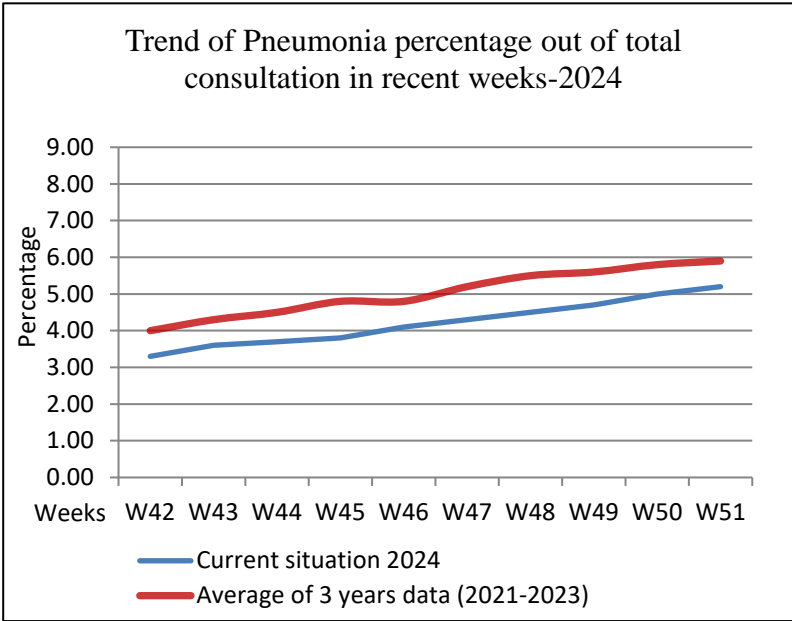


**Figure 2: B**

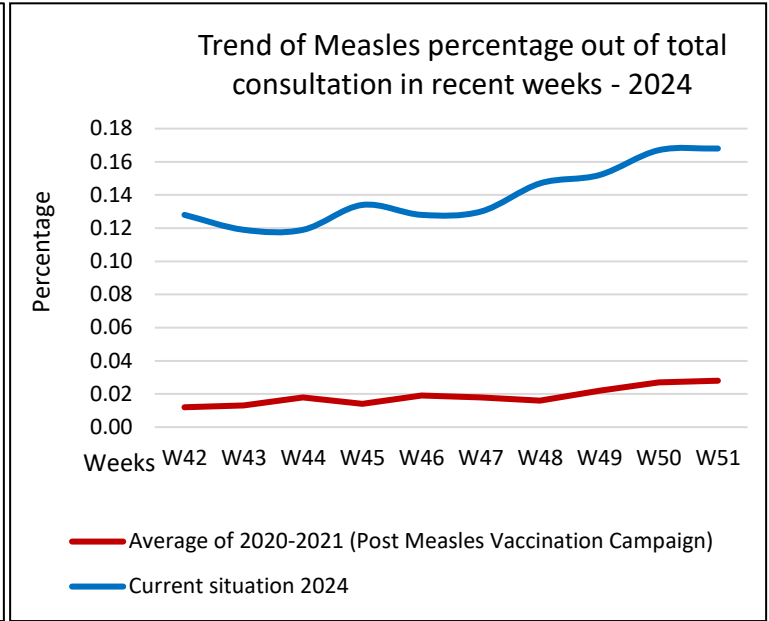


**Seasonal Diseases:**

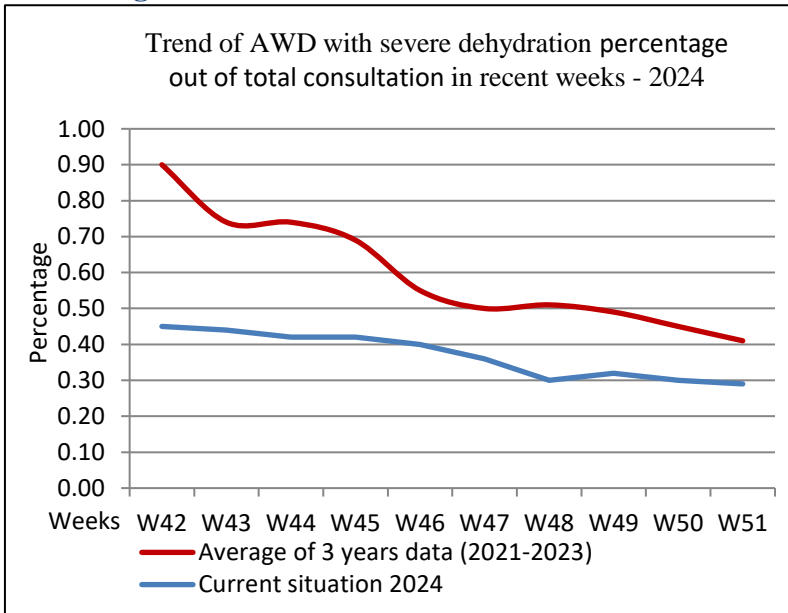
**Figure 3: A**



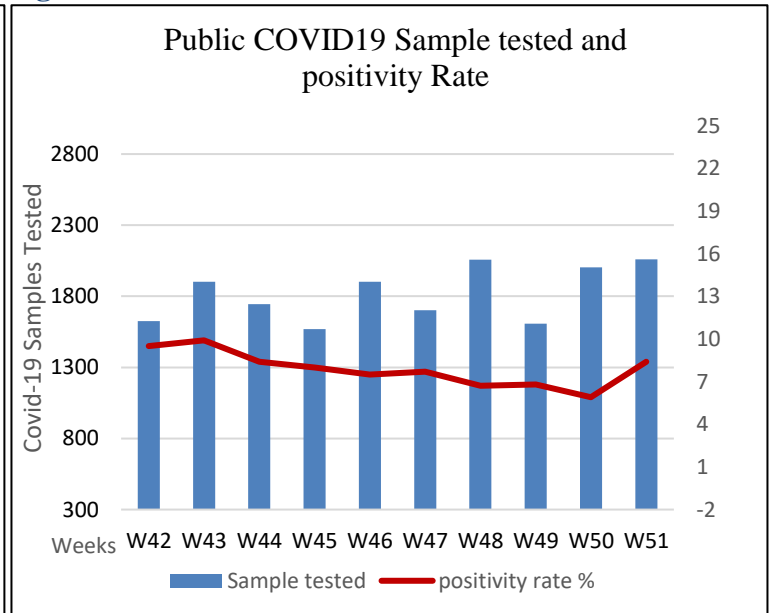
**Figure 3: B**



**Figure 3: C**



**Figure 3: D**

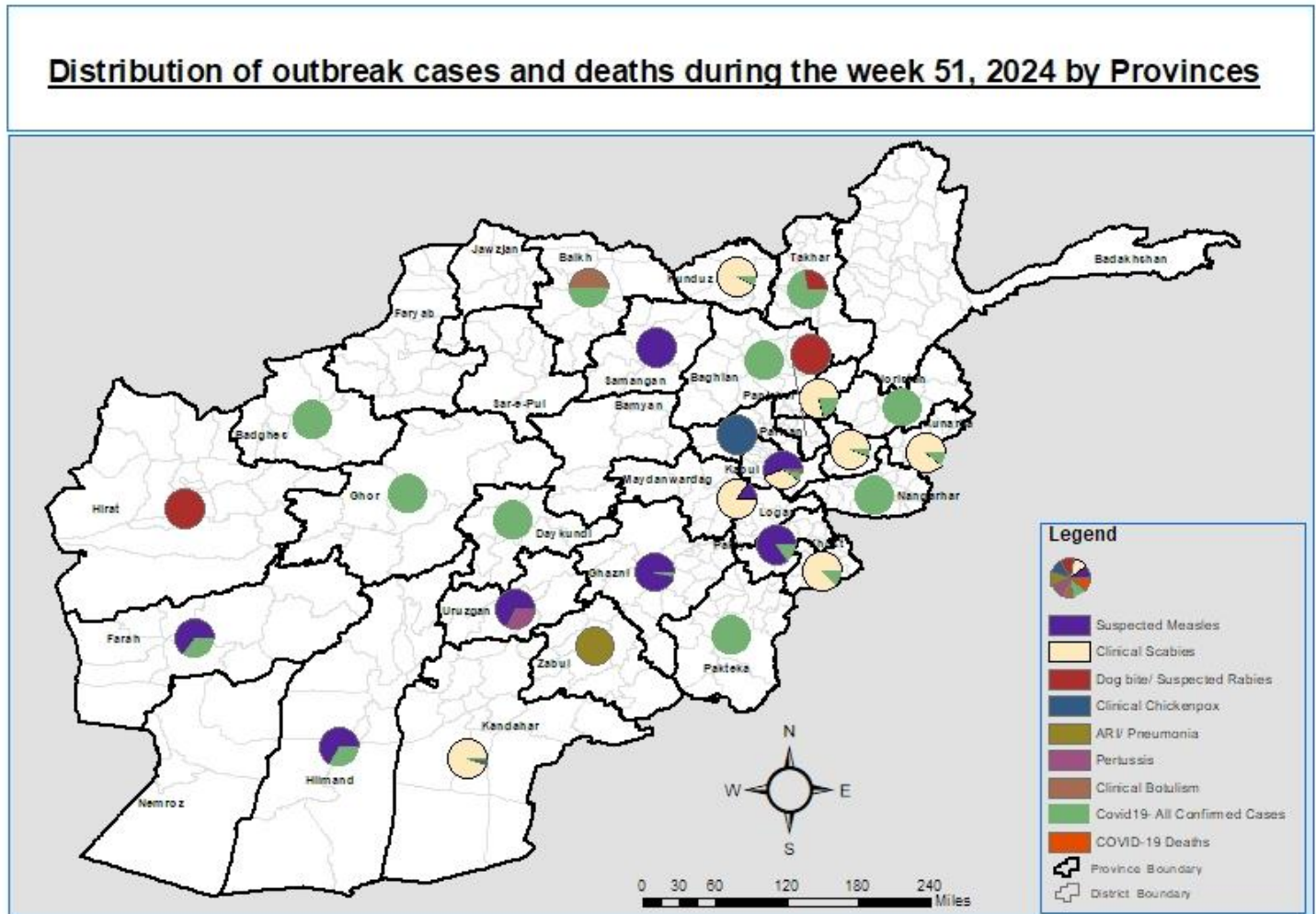


**Table 3: Outbreaks in Week 51<sup>st</sup> 2024:**

AFGHANISTAN   INFECTIOUS DISEASE OUTBREAKS REPORT   Epidemiological week #51-2024								
Event / Diseases Name	Reported date	Province	District	Village	Total Cases	Total Deaths	Vaccination coverage, If VPD	
							Related HF reported coverage	Field Estimated Coverage
<b>Suspected Measles</b>	16/12/24	Farah	Khak Safid	Shoor Abad (Haftad Dar)	9	0	68%	0%
	14/12/24	Helmand	Marjah	Anbani Zaranda Anbiea	10	0	75%	10%
	14/12/24	Kabul	Kalakan	Zima	11	0	54%	31%
	15/12/24		Khak E Jabar	Bar Malang	6	0	64%	11%
	17/12/24		13	Qala E Naw Barchi	6	0	56%	43%
	20/12/24	Kandahar	Meyanashin	Archa Fazal Rahman Masjid	10	0	70%	50%
	14/12/24	Logar	Puli Alam	Nawabad Doshanba	7	0	80%	45%
	17/12/24	Paktia	Ahmadaba	Ataye	11	0	80%	25%
	18/12/24	Samangan	Hazrat-E-Sultan	Ghaznigak	7	0	37%	96%
	16/12/24	Urozgan	Tarin-Kot	Omari Shagotii	12	0	70%	42%
	19/12/24		Chora	Wacha Wiala	15	0	61%	47%
	21/12/24	Wardak	Said Abad	Stara Abdara	12	0	75%	45%
<b>Clinical Scabies</b>	14/12/24	Kabul	Qarabagh	Sayedabad	15	0	NA	NA
	19/12/24	Kandahar	Kandahar City	Sarfoza Prison	115	0	NA	NA
	20/12/24	Khost	Jajimaydan	Sha Saperkai	14	0	NA	NA
	17/12/24	Kunar	Nari	Jabah and Zaro Kas Villages	43	0	NA	NA
	17/12/24	Kunduz	Kunduz	Dokhtaran And Kharoti	50	0	NA	NA
	15/12/24	Laghman	Qarghaee	Imam Abuhanifa Madrassa	52	0	NA	NA
	17/12/24	Logar	Baraki Barak	Shah Mazar	38	0	NA	NA
	18/12/24	Panjshir	Hisa Awal	Madrasa Burhaniya	28	0	NA	NA

	21/12/24	Takhar	Taloqan	Madrasa Molawi Safiuallah	15	0	NA	NA
<b>Dog bite/ Suspected Rabies</b>	18/12/24	Herat	Obeh	Mosaferan	5	0	NA	NA
	15/12/24	Kapisa	Tagab	Mera Khel	7	0	NA	NA
	21/12/24	Takhar	Taloqan	Qolbars Mullah Abdullah	3	0	NA	NA
<b>Clinical Chickenpox</b>	17/12/24	Kandahar	Kandahar City	Zara Jama	5	0	NA	NA
	18/12/24	Parwan	Bagram	Mahigeer	9	0	NA	NA
<b>ARI/ Pneumonia</b>	14/12/24	Zabul	Shah-Joy	Patozo	15	0	NA	NA
<b>Pertussis</b>	16/12/24	Urozgan	Chinarto	Zarigo	13	0	NA	NA
<b>Clinical Botulism</b>	15/12/24	Balkh	Keshindi	Sarab	5	1	NA	NA

**Figure 4:** Suspected Measles, Clinical Scabies, Dog bite/ Suspected Rabies, Clinical Chickenpox, ARI/ Pneumonia, Pertussis, Clinical Botulism, COVID-19 cases, and deaths during the week 51<sup>st</sup> 2024.



**Table 4: Updated cumulative outbreak reports during 2024 (31 Dec 2023 to 21 Dec 2024)**

Disease/Event	Disease/Event	Lab-Confirm	Total Cases	Total Deaths
Scabies	473	0	18589	0
Measles	454	240	5166	46
Suspected Chickenpox	251	66	4105	0
Dog bites/Suspected Rabies	103	0	760	3
Pertussis	11	4	188	0
Mumps	18	0	251	0
Impetigo	17	0	377	0
Leishmaniasis	7	7	658	0
Pink Eye	5	0	59	0
ARI/Pneumonia	10	1	551	10
Food Poisoning	21	0	286	0
Dengue Fever	9	7	251	0
Typhoid Fever	9	2	302	0
CCHF	17	17	45	10
ARI cough and cold	1	1	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	57	57	544	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	3	0	16	2
Viral Hepatitis	5	2	83	0
<b>Grand Total</b>	<b>1522</b>	<b>437</b>	<b>35567</b>	<b>85</b>

**Laboratory surveillance:**

A total of **3763** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **14** specimens were confirmed for Acute Viral Hepatitis and **173** specimens were confirmed for Measles and **15** specimens were confirmed for Malaria (Follow-up by the CPHL is going on).

**Influenza Surveillance activities:**

In Epidemiological Week 51<sup>st</sup> 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, 972 (14,3%) Severe Acute Respiratory Infections cases were reported, and 582 (59,8%) were under 5 years old. The proportion of SARI cases increased compared to the weeks 50-2024, 41 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 (42%), Kapisa (38,1%) and Bamyan (29,9%). 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, **2059** specimens were tested for the suspected COVID-19. Out of which **173** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 cases' positivity rate was 8.4% this week, which increased 2.5% compared to the previous week.
- Out of **173 confirmed** cases, **301** contacts out of **58** 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 **46,243** passengers have been screened for COVID-19 at the three points of entry in (Kandahar, Nangarhar 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 0.2% compared to the previous week.
- Diarrheal diseases cases are on the decreasing trend of 0.1% 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 **1201 (IBS+EBS)** suspected Measles cases with **02 (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.