

Ministry of Public Health

Monitoring Evaluation & Health Information System GD

Diseases Surveillance Department

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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 08th

Date: 18 - 24 /02 - 2024

Summary:

- Out of **613** functional Surveillance sentinel sites, **611 (99.7%)** have submitted reports this week.
- A total of **659,166** new consultations, of which **257,159 (39%)** were due to Surveillance targeted diseases. That included **134,225 (52.2%) males** and **122,934 (47.8%) females**. Also, **116,559 (45.3%)** people under five years old and **140,600 (54.7%)** five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**179,525 = 27.2%** cases out of total new consultations), Acute Diarrheal Diseases (**33,047 = 5%** cases out of total new consultations), and Pneumonia (**38,948 = 5.9%** cases out of total new consultations).
- A total of **254** deaths were reported this week, of which **109 (43%)** deaths were due to surveillance-targeted diseases, which include **81 ARI Pneumonia** deaths, **14 Suspected Meningitis** deaths, **05 suspected Measles** deaths, **05 COVID-19** deaths, **01 Acute Viral Hepatitis** death, **01 Acute Watery Diarrhea with Dehydration** death, **01 Suspected Hemorrhagic Fever** death and **01 Tetanus/Neonatal Tetanus** death.
- In addition, during this week, **47** outbreaks were reported: **17 Suspected Measles** outbreaks were reported from Balkh, Helmand, Jawzjan, Kabul, Kunduz, Nangarhar, Paktika, Parwan, Takhar, Urozgan, Wardak and Zabul provinces, **16 Clinical Scabies** outbreaks were reported from Baghlan, Farah, Kabul, Logar, Nangarhar, Paktia, Parwan, Wardak provinces, **08 Clinical Chickenpox** outbreaks were reported from Bamyan, Daykundi, Herat, Helmand, Kapisa and Takhar provinces, **03 Dog bite/ suspected Rabies** outbreaks were reported from Kabul and Takhar provinces, **02 Clinical Mumps** outbreaks were reported from Bamyan and Daykundi province and **01 Suspected Pertussis** outbreak was reported from Paktia province.

Moreover, **258** COVID-19 confirmed cases and **1190** suspected Measles cases and 05 deaths (IBS) were reported at the national level.

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

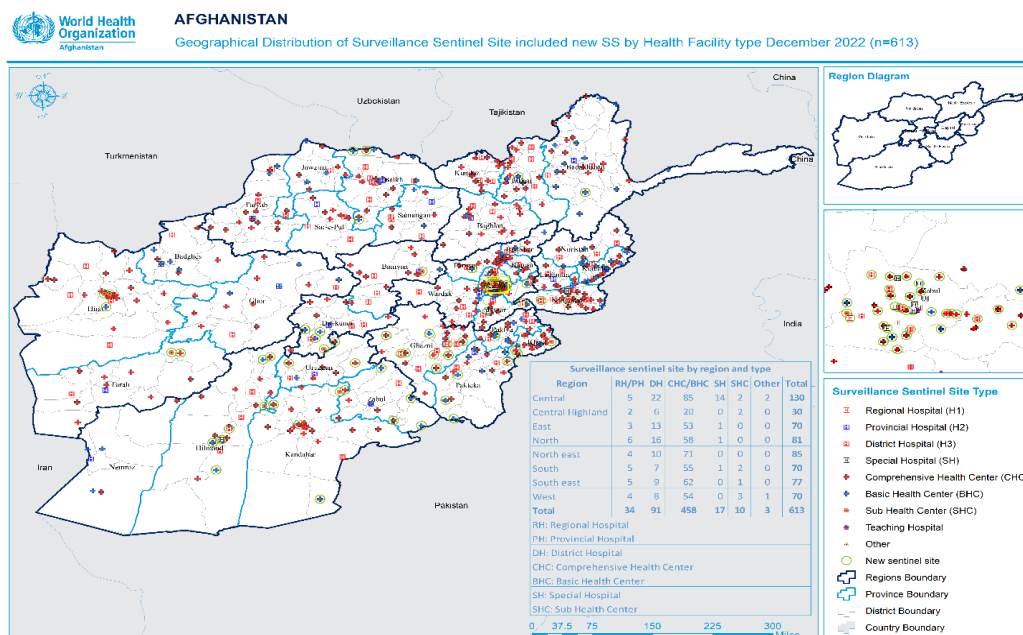


Table 1: Coverage of NDSR Surveillance System

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

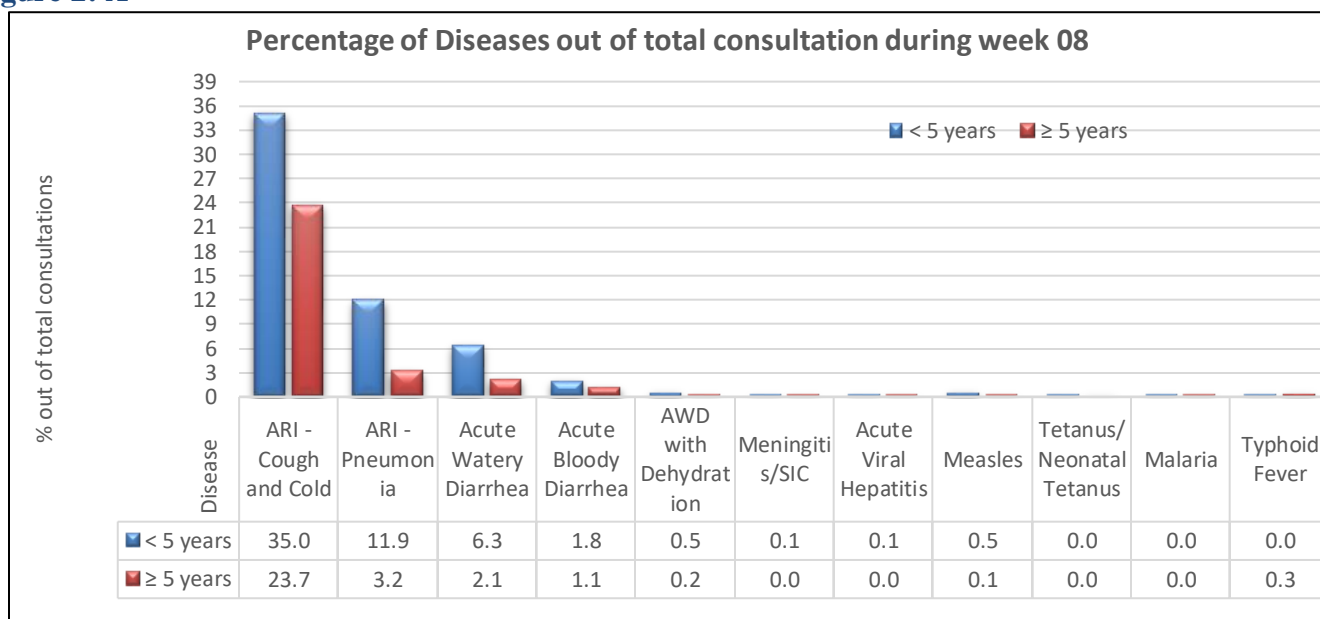
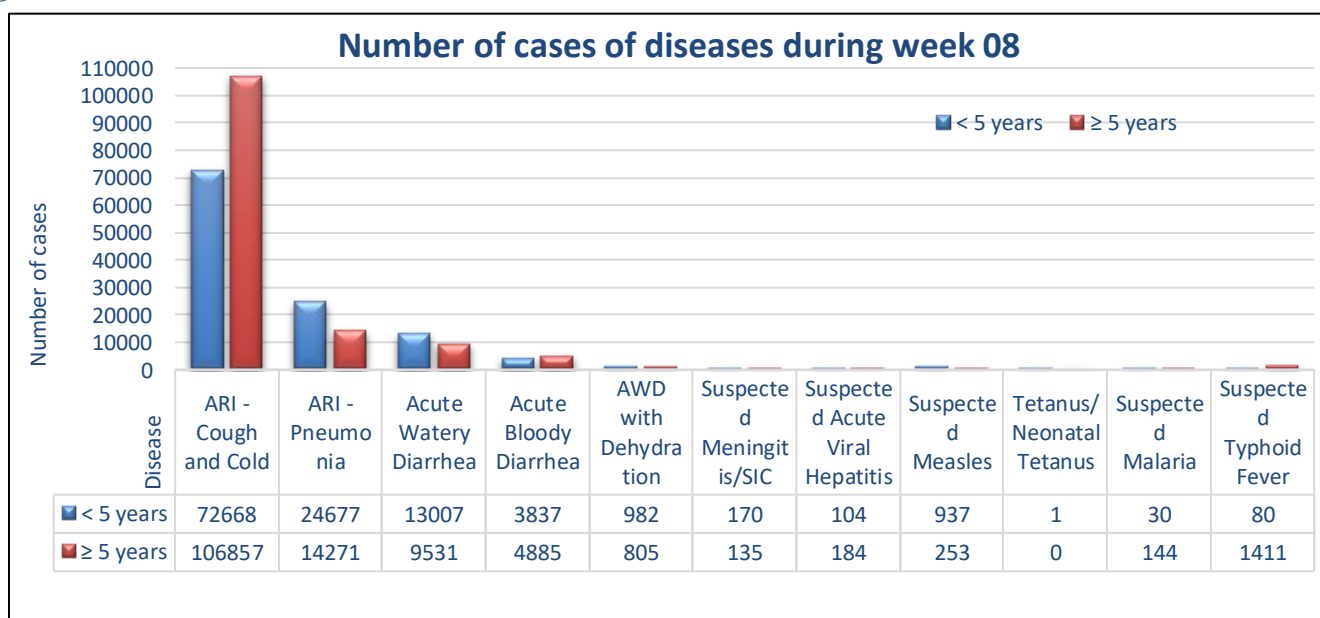


Figure 2: B



Seasonal Diseases:

Figure 3: A

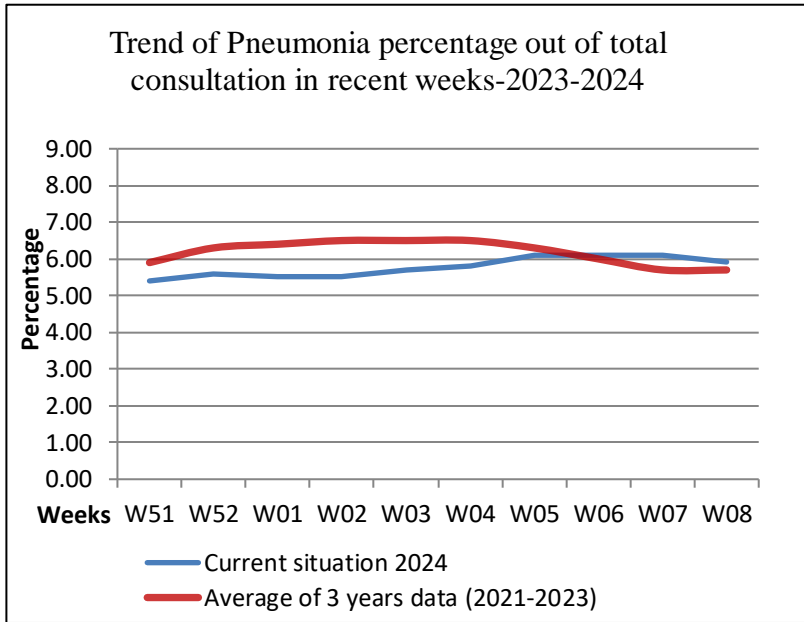


Figure 3: B

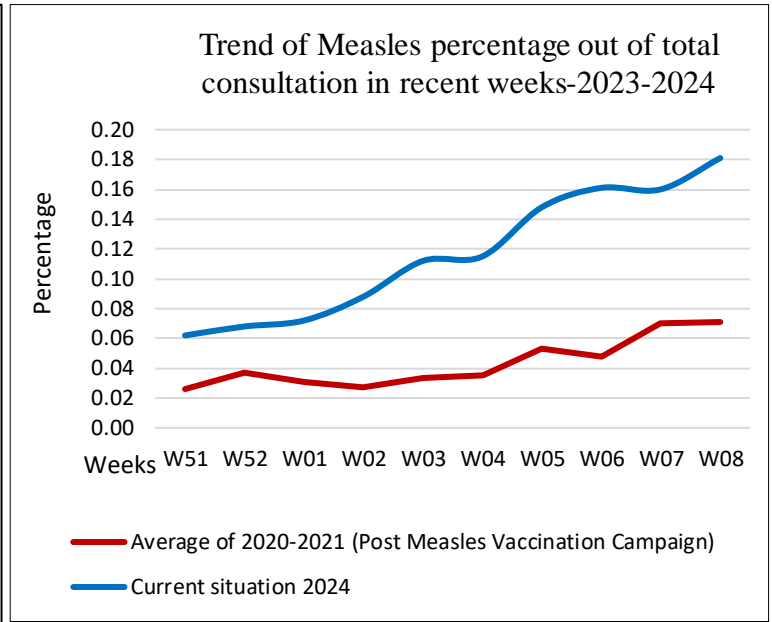


Figure 3: C

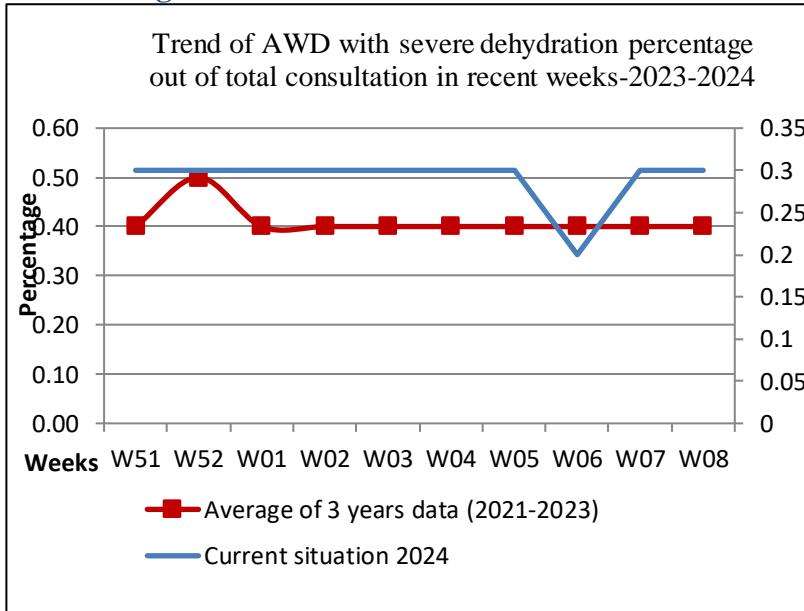


Figure 3: D

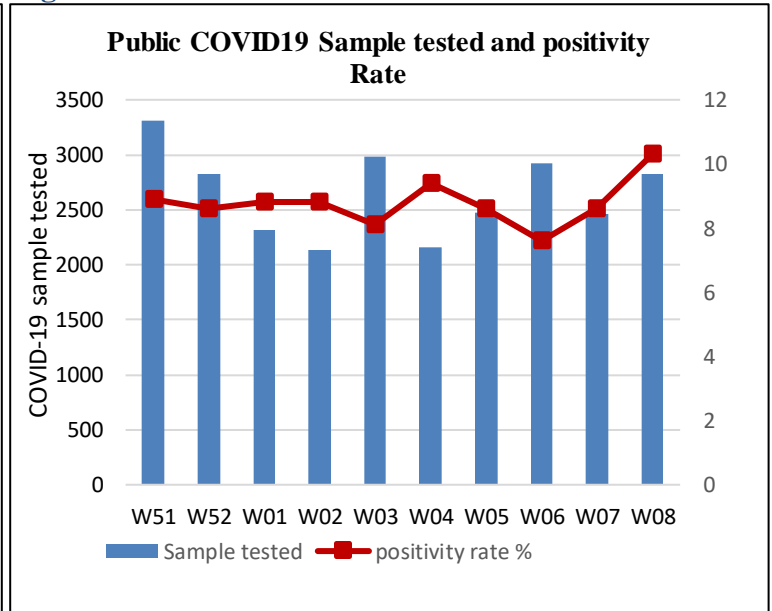


Table 3: Outbreaks in Week 08th 2024:

AFGHANISTAN INFECTIOUS DISEASE OUTBREAKS REPORT Epidemiological week # 08-2024								
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	21/02/24	Baghlan	Polishers	Mandawi	14	0	NA	NA
	21/02/24	Farah	Farah City	Askar Abad	15	0	NA	NA
	18/02/24	Kabul	9	Hoodkheil	9	0	NA	NA
	18/02/24		16	Qala E Zaman Khan	15	0	NA	NA
	18/02/24		8	Karte Naw	8	0	NA	NA
	19/02/24		5	Chahar Rahi Qambar	12	0	NA	NA
	19/02/24		21	Pule Chakhi Prison	99	0	NA	NA
	21/02/24		Logar	Puli Alam	Padkhwab Shana	14	0	NA
	18/02/24	Nangarhar	Surkhrud	Mraghondy	73	0	NA	NA
	20/02/24		Speenghar	Batan Sahadal	130	0	NA	NA
	21/02/24	Takhar	Taloqan	Baland Aaba	8	0	NA	NA
	17/02/24	Parwan	Jabel Seraj	Pole Matak	16	0	NA	NA
	17/02/24		Said Khail	Encho	19	0	NA	NA
	23/02/24	Paktia	Ahmad Khil	Ghundi	44	0	NA	NA
	20/02/24	Wardak	Chak	Kulalan	42	0	NA	NA
	21/02/24		Nerkh	Totar	48	0	NA	NA
Suspected Measles	23/02/24	Balkh	Mazar-I-Sharif City	Amir Ali Shir Nawahi	7	0	168	103%
	18/02/24	Helmand	Nawozad	Bawori Madarsa	11	0	70%	48%
	19/02/24		Nahri-Saraj	Pankala Khasta Lala Masjid	12	0	85%	65%
	22/02/24		Lashkargha	Melat Maidan	10	0	85%	55%
	20/02/24	Jawzjan	Sheberghan	Yaka Bagh	10	0	168%	77%
	21/02/24	Kabul	9	Hoodkheil	7	0
	24/02/24	Kunduz	Kunduz	Haji Rahim	6	0

	17/02/24	Nangarhar	Lalpur	Hkhowaizo Chaknawar	15	1	100%	67%
	02/02/24		Jalalabad	Behsud Pul 8th Zone	8	1	100%	53%
	22/02/24		Chaparhar	Haji Karim Area Dawlatzai Family	8	0	100%	40%
	18/02/24	Paktika	Yahya Khel	Hajiyan	8	0	85%	55%
	21/02/24	Parwan	Charikar	Khwaja Syaran Balla	11	0	80%	35%
	17-2-24	Takhar	Darqad	Boostan	8	0
	20/02/24		Taloqan	Mughal Qushlaq Badamdarah	5	0
	20/02/24	Urozgan	Tarin-Kot	Kochian	19	0	70%	21%
	18/02/24	Wardak	Nerkh	Jawqol	8	0	84%	70%
	18/02/2024	Zabul	Qalat	Abdul Rahim Masjid	9	0	90%	64%
Clinical Chickenpox	17/2/24	Bamyan	Center	Zargaran	20	0	NA	NA
	21/2/24		Yakawlang	Dahan Ser Dagh	21	0	NA	NA
	17/02/24	Daykundi	Miramoor	Qsemr Pana	25	0	NA	NA
	24/02/24	Helmand	Lashkargha	Talibano-Numri	10	0	NA	NA
	19/02/24	Herat	Ghoryan	Cheshmeh Dam	83	0	NA	NA
	18/02/24	Kapisa	Nijrab	Tapa Ahmad Bek	5	0	NA	NA
	21/2/24	Takhar	Taloqan	Chakaraniha	7	0	NA	NA
	20/02/24		Taloqan	Mughal Qushlaq	17	0	NA	NA
Dog Bite/ Suspected Rabies	21/02/24	Kabul	3	Baghe Bala	12	0	NA	NA
	21/2/24	Takhar	Taloqan	Haji Ghulam Qader Qolbars	3	0	NA	NA
	24/02/24	Takhar	Rustaq	Quzil Qala	9	0	NA	NA
Clinical Mumps	21/2/24	Bamyan	Waras	Dad Ali	38	0	NA	NA
	17/02/24	Daykundi	Kitty	Poshtan	36	0	NA	NA
Suspected Pertussis	18/02/24	Paktia	Sayed Karam	Kunder Khil	10	0	NA	NA

Figure 4 Suspected Measles, Clinical Scabies, Clinical Chickenpox, Dog bite/suspected Rabies, Clinical Mumps, suspected Pertussis, COVID-19 Cases, and deaths during the week 08th 2024

Distribution of outbreak cases and deaths during the week 08, 2024 by Provinces

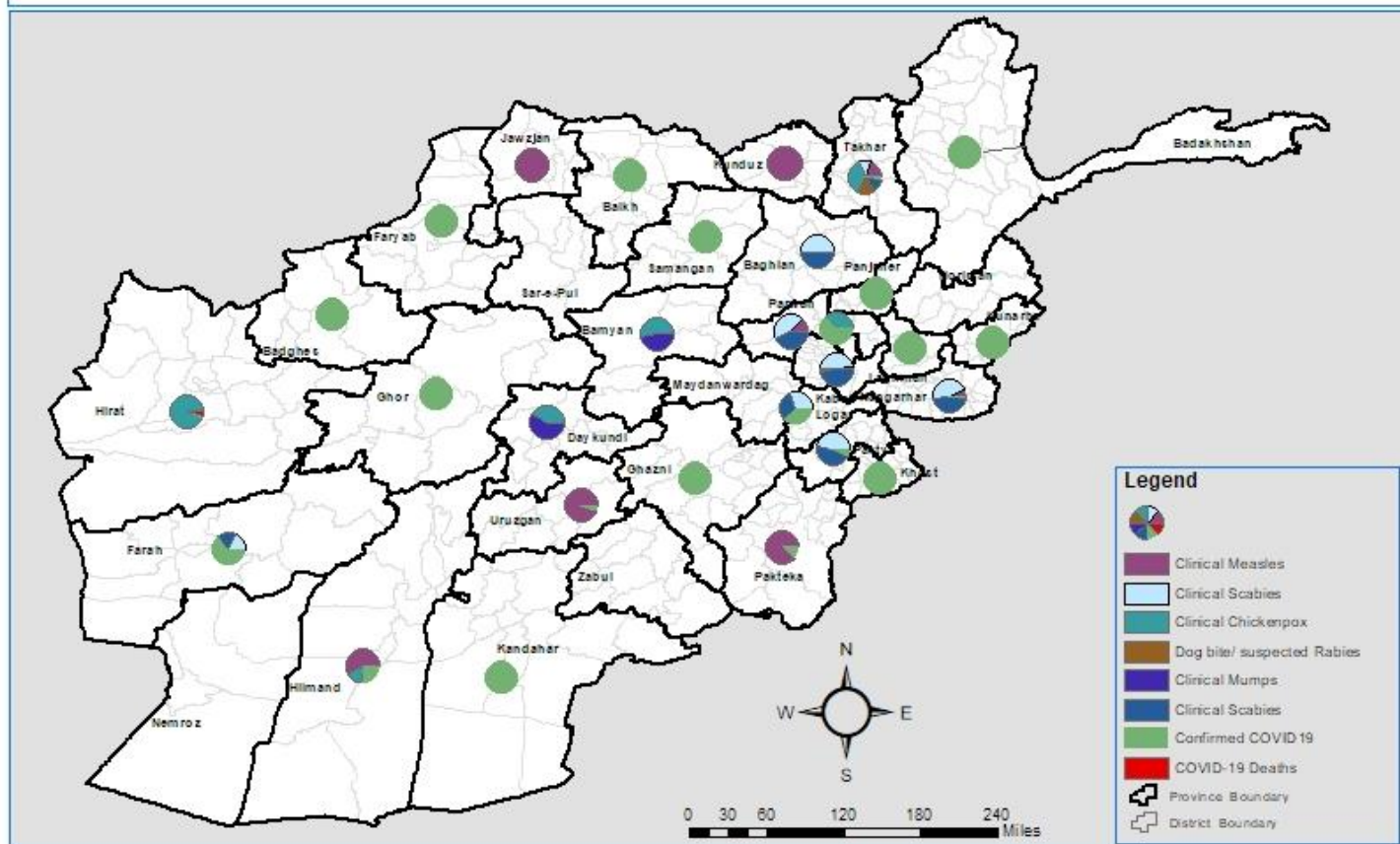


Table 4: Updated cumulative outbreak reports during 2024 (31 Dec 2023 to 24 Feb 2024)

Disease/Event	Disease/Event	Lab Confirm	Total Cases	Total Deaths
Scabies	103	0	3409	0
Measles	75	51	912	10
Suspected Chickenpox	96	1	1602	0
Dog bites/Suspected Rabies	19	0	149	0
Pertussis	2	0	16	0
Mumps	11	0	384	0
Impetigo	2	0	79	0
Leishmaniasis	1	0	6	0
Pink Eye	3	0	29	0
ARI/Pneumonia	3	0	88	5
Food Poisoning	1	0	12	0
Dengue Fever	1	1	38	0
Typhoid Fever	1	0	10	0
Grand Total	318	9	6734	15

Laboratory surveillance:

A total of **4390** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **14** specimens were confirmed for Acute Viral Hepatitis, **144** specimens were confirmed for Measles and **01** specimens was confirmed for Chickenpox (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 8th 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, 1120 (19.6%) Severe Acute Respiratory Infections cases were reported and 65% were under 5 years old. The proportion of SARI cases was decreased compared to week 7th 2024. 26 SARI-associated deaths were reported this week. At the 10 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (48.0%), Badakhshan (46.0%), and Kapisa (45.8%) 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, **2876** specimens were tested for suspected COVID-19. Out of which **258** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 8.9% this week, which increased 0.3% compared to previous week.
- Out of **258 confirmed** cases, **317** contacts out of **104** 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 **38,237** 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 (0.5%) compared to the previous week.
- Pneumonia cases are on the decreasing trend (0.1%) compared to the previous week.
- Diarrheal diseases 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 **1352 (IBS+EBS)** suspected Measles cases with **07 (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.