

Ministry of Public Health

Monitoring Evaluation & Health Information System GD

Diseases Surveillance Department

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National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report 09th

Date: 25/02 - 02/03 - 2024

Summary:

- Out of **613** functional Surveillance sentinel sites, **613 (100%)** have submitted reports this week.
- A total of **565,713** new consultations, of which **228,550 (40.4%)** were due to Surveillance targeted diseases. That included **118,546 (51.9%) males** and **110,004 (48.1%) females**. Also, **101,975 (44.6%)** people under five years old and **126,575 (55.4%)** five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**159,163 = 28.1%** cases out of total new consultations), Acute Diarrheal Diseases (**28,382 = 5%** cases out of total new consultations), and Pneumonia (**35,533 = 6.3%** cases out of total new consultations).
- A total of **378** deaths were reported this week, of which **119 (31.5%)** deaths were due to surveillance-targeted diseases, which include **93 ARI Pneumonia** deaths, **12 Suspected Meningitis** deaths, **08 suspected Measles** deaths, **03 COVID-19** deaths, **03 Acute Watery Diarrhea with Dehydration** deaths.
- In addition, during this week, **31** outbreaks were reported: **12 Clinical Scabies** outbreaks were reported from Jawzjan, Kabul, Kapisa, Kunar, Logar, Nuristan, Paktia, Takhar and Wardak provinces, **07 Clinical Chickenpox** outbreaks were reported from Herat, Kabul, Kapisa, Panjshir, Saripul and Takhar provinces, **06 Suspected Measles** outbreaks were reported from Bamyan, Dykundi, Helmand, Paktia and Urozgan provinces, **02 Dog bite/ suspected Rabies** outbreaks were reported from Badakhshan and Paktia provinces, **01 Clinical Mumps** outbreak was reported from Urozgan province, **01 Food Poisoning** outbreak was reported from Kandahar province, **01 CCHF** outbreak was reported from Balkh and **01 suspected ARI Cough and Cold** reported from Badakhshan province.

Moreover, **133** COVID-19 confirmed cases and **1236** suspected Measles cases, and 08 deaths (IBS) were reported at the national level.

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

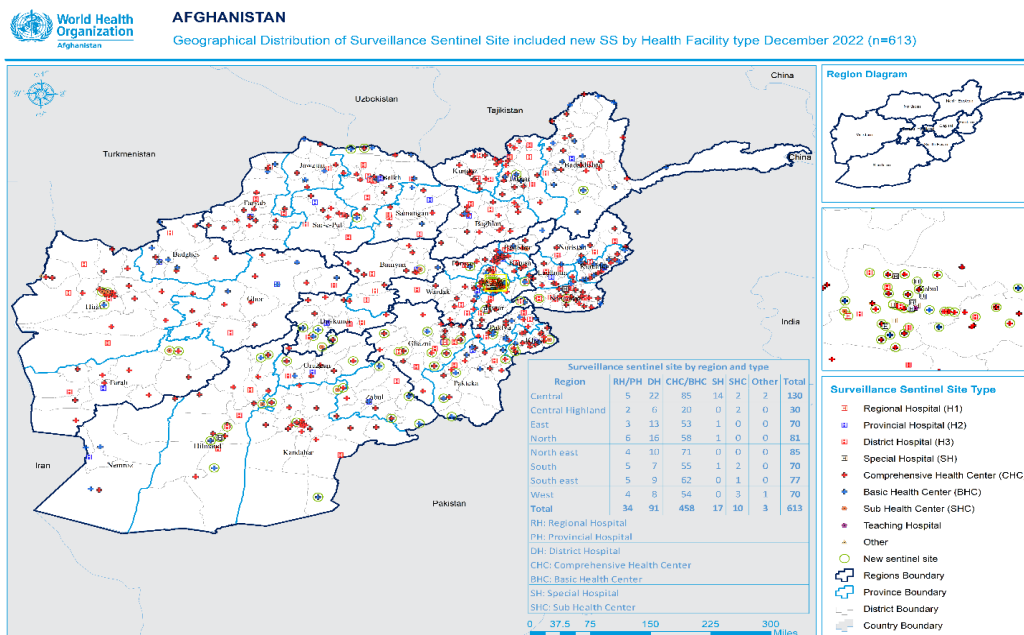


Table 1: Coverage of NDSR Surveillance System

| 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

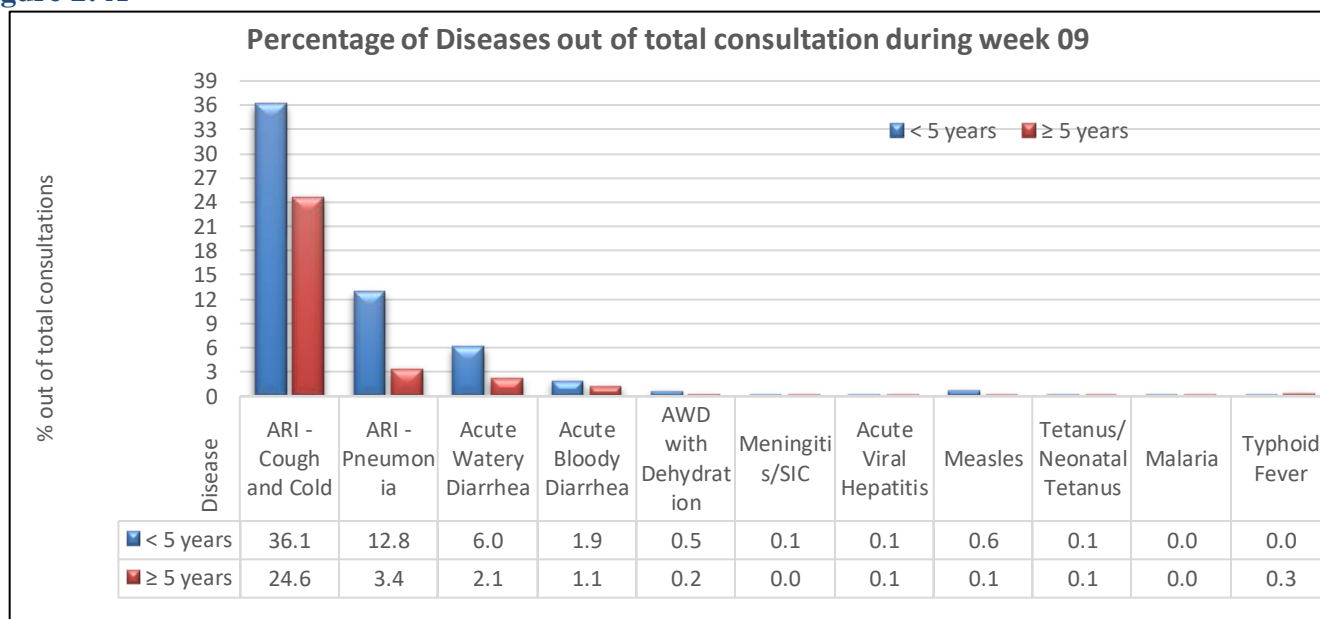
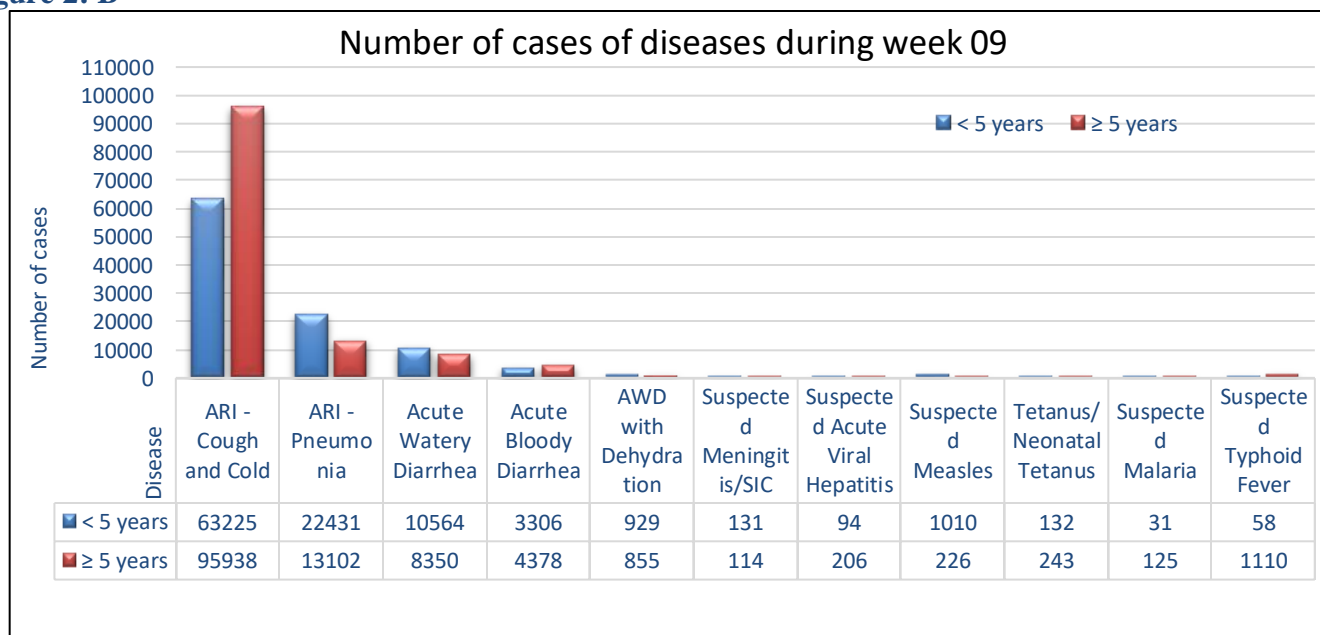


Figure 2: B



Seasonal Diseases:

Figure 3: A

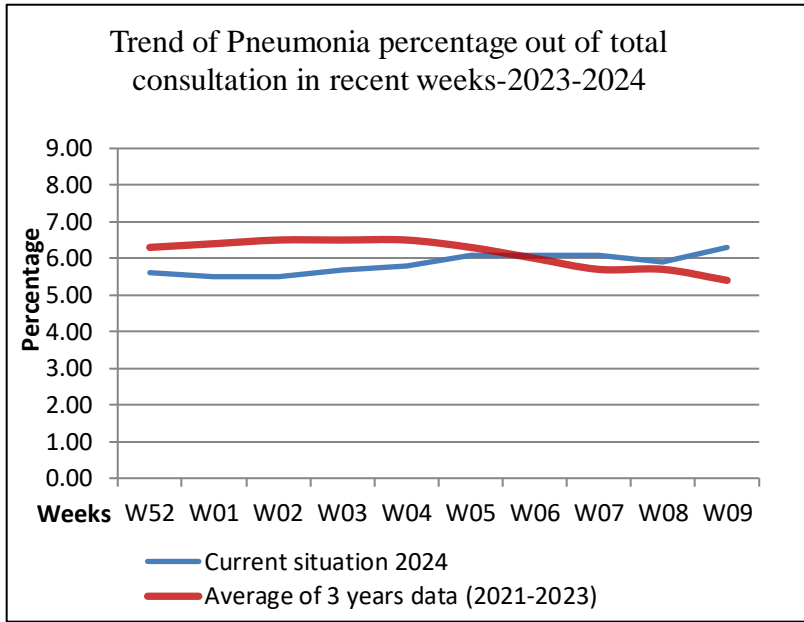


Figure 3: B

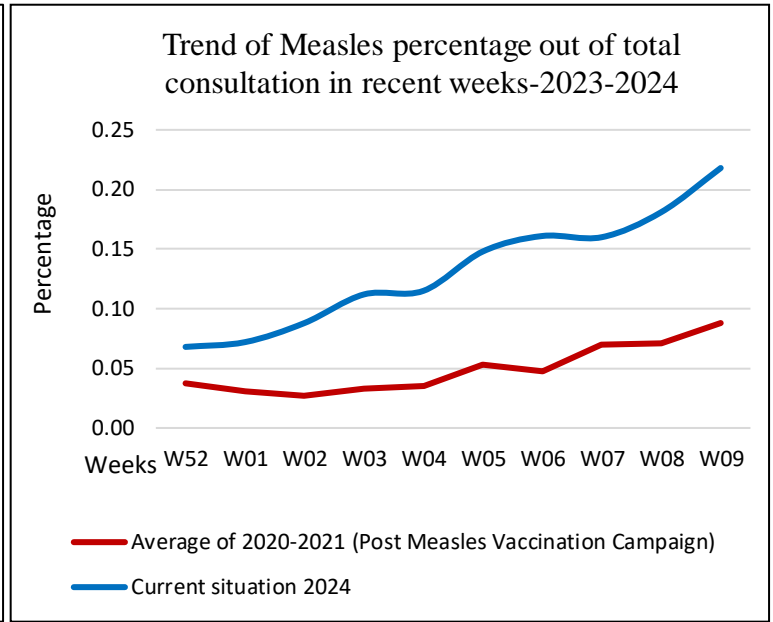


Figure 3: C

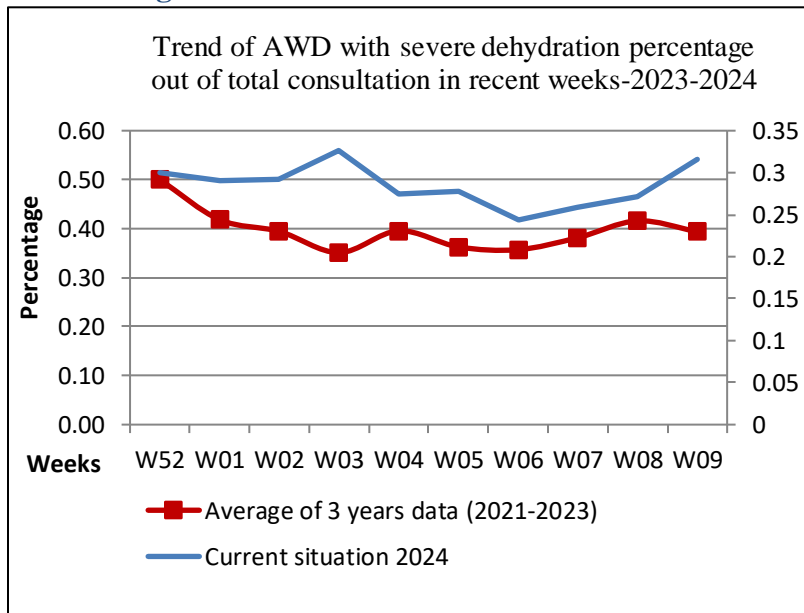


Figure 3: D

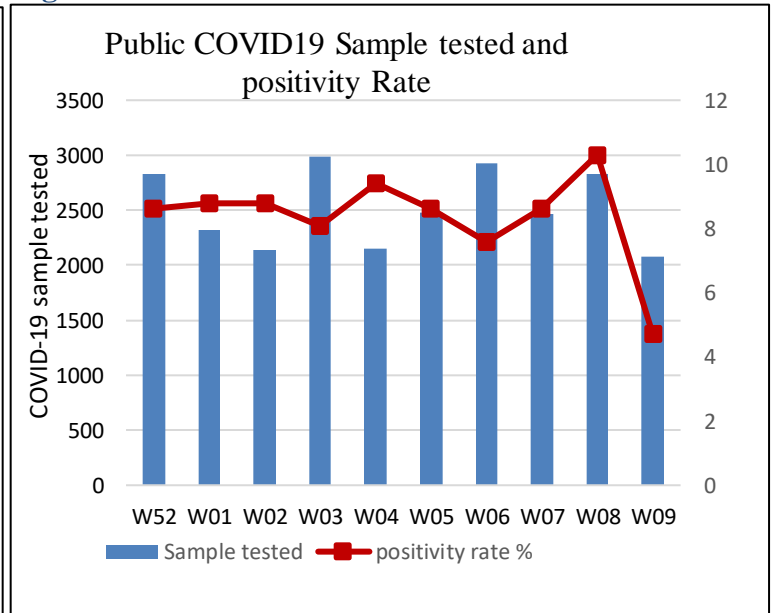


Table 3: Outbreaks in Week 09th 2024:

| AFGHANISTAN INFECTIOUS DISEASE OUTBREAKS REPORT Epidemiological week # 09-2024 | | | | | | | | |
|--|---------------|----------|--------------|---------------------------------|-------------|--------------|------------------------------|--------------------------|
| 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 | 25/02/24 | Jawzjan | Mengajik | Charshangho | 15 | 0 | NA | NA |
| | 25/02/24 | Kabul | Guldara | Jalwani,Surkhi And Fazil Bek | 108 | 0 | NA | NA |
| | 28/02/24 | | 19 | Pule Charkhi | 118 | 0 | NA | NA |
| | 29/02/24 | | Khak E Jabar | Chinar | 25 | 0 | NA | NA |
| | 26/02/24 | Kapisa | Tagab | Bahardur Khail | 32 | 0 | NA | NA |
| | 29/02/24 | | Center | Center | 10 | 0 | N/A | N/A |
| | 24/02/24 | Kunar | Shigal | Suranoo Village | 146 | 0 | NA | NA |
| | 24/02/24 | Logar | M. Agha | Sangarkhil | 30 | 0 | NA | NA |
| | 25/02/24 | Nuristan | Kamdesh | Merdish And Sarit Village | 95 | 0 | NA | NA |
| | 27/02/24 | Paktia | Gardez | Sadiq Village | 21 | 0 | NA | NA |
| | 25/02/24 | Takhar | Taloqan | Baharustan | 16 | 0 | NA | NA |
| | 23/02/24 | Wardak | Chak | Khwaja-Kotgay | 24 | 0 | NA | NA |
| Clinical Chickenpox | 25/02/24 | Herat | Kohsan | Markaz | 72 | 0 | 0 | 0 |
| | 26/02/24 | | Guzara | Mahale Khajeh Ha | 9 | 0 | 0 | 0 |
| | 29/02/24 | Kabul | 11 | Khair Khana | 6 | 0 | 0 | 0 |
| | 24/02/24 | Kapisa | Nijrab | Shahr Now | 9 | 0 | 0 | 0 |
| | 26/02/24 | Panjshir | Center | Dada Khil | 7 | 0 | 0 | 0 |
| | 25/02/23 | Saripul | Balkhab | Larken | 24 | 0 | 0 | 0 |
| | 28/2/24 | Takhar | Taloqan | Aamar Saifuddin | 23 | 0 | 0 | 0 |
| Suspected Measles | 24/2/24 | Bamyan | Yakawlang | Dewkhana, Jarokashan, Qalajafar | 21 | 0 | 88% | 88% |
| | 27/02/24 | Daykundi | Patoo | Zerghaw | 8 | 0 | 0% | 10% |
| | 24/02/24 | Helmand | Garamsir | Khari Da Mala Sangari | 10 | 0 | 80% | 25% |

| | | | | | | | | |
|-----------------------------------|----------|------------|--------------|---------------|----|---|-----|-----|
| | 27/02/24 | Paktia | Dande Pathan | Alam Village | 11 | 0 | 60% | 50% |
| | 27/02/24 | Urozgan | Tarin-Kot | Karam Kariz | 17 | 0 | 16% | 12% |
| | 01/03/24 | | Tarin-Kot | Kash | 17 | 0 | 38% | 23% |
| Dog Bite/ Suspected Rabies | 28/02/24 | Badakhshan | Faizabad | Dashti Quragh | 6 | 0 | NA | NA |
| | 28/02/24 | Paktia | Dande Pathan | Mand Khil | 8 | 0 | NA | NA |
| Confirmed CCHF | 27/02/24 | Balkh | Chimtal | Fatima Khil | 2 | 0 | NA | NA |
| Clinical Mumps | 26/02/24 | Urozgan | Tarin-Kot | Khowaja- Mal | 10 | 0 | NA | NA |
| Food Poisoning | 29/02/24 | Kandahar | Dand | Baladi | 8 | 0 | NA | NA |
| Suspected ARI Pneumonia | 24/02/24 | Badakhshan | Shuhada | Yacech | 55 | 0 | NA | NA |

Figure 4: Clinical Scabies, Clinical Chickenpox, Suspected Measles, Dog bite/suspected Rabies, Clinical Mumps, CCHF, Food Poisoning, Suspected ARI Pneumonia, COVID-19 Cases, and deaths during the week 09th 2024.

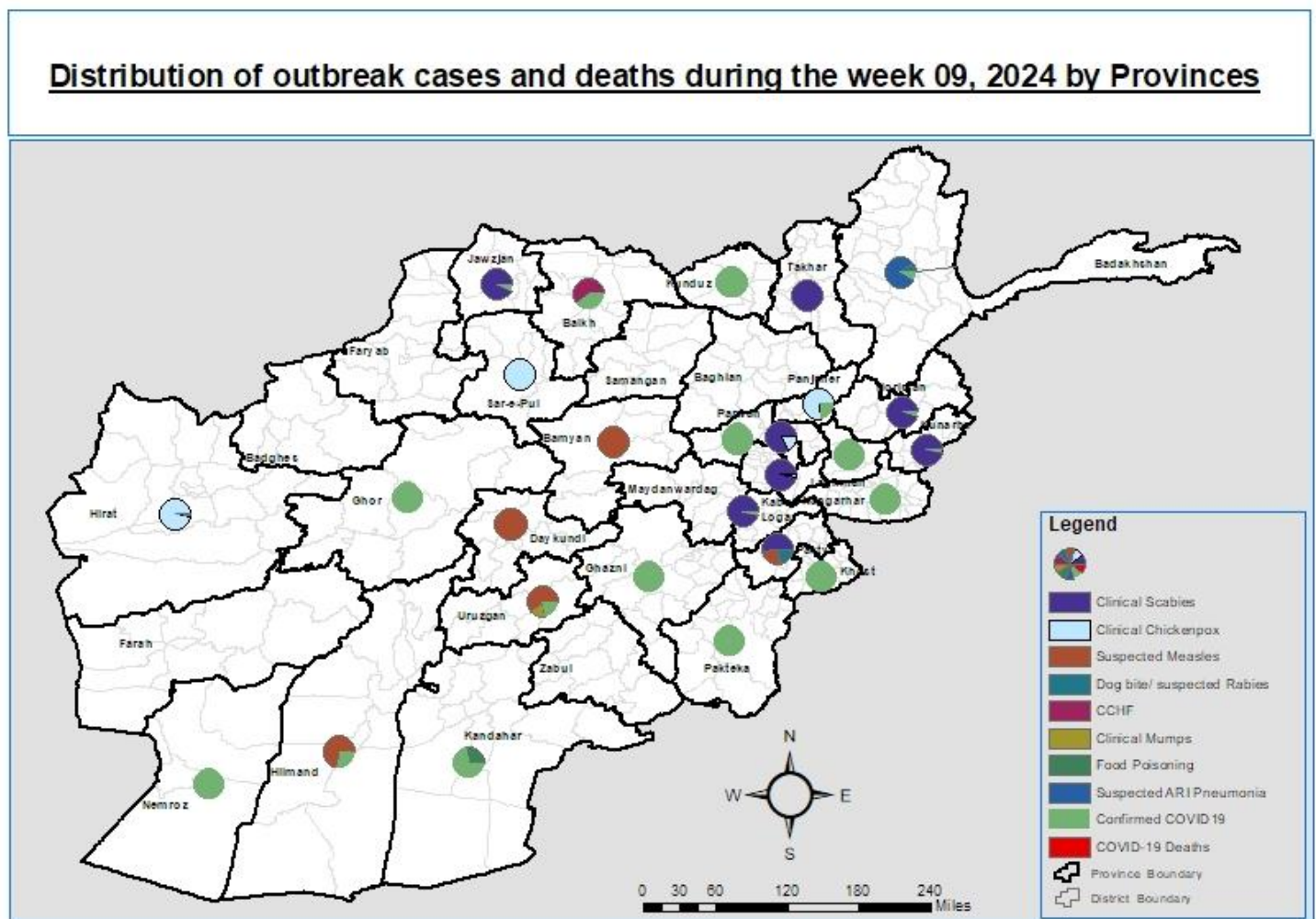


Table 4: Updated cumulative outbreak reports during 2024 (31 Dec 2023 to 03 March 2024)

| Disease/Event | Disease/Event | Lab Confirm | Total Cases | Total Deaths |
|----------------------------|---------------|-------------|-------------|--------------|
| Scabies | 115 | 0 | 4049 | 0 |
| Measles | 81 | 51 | 996 | 10 |
| Suspected Chickenpox | 103 | 1 | 1752 | 0 |
| Dog bites/Suspected Rabies | 21 | 0 | 163 | 0 |
| Pertussis | 2 | 0 | 16 | 0 |
| Mumps | 12 | 0 | 394 | 0 |
| Impetigo | 2 | 0 | 79 | 0 |
| Leishmaniasis | 1 | 1 | 6 | 0 |
| Pink Eye | 3 | 0 | 29 | 0 |
| ARI/Pneumonia | 3 | 0 | 88 | 5 |
| Food Poisoning | 2 | 0 | 20 | 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 |
| Grand Total | 349 | 55 | 7697 | 15 |

Laboratory surveillance:

A total of **3742** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **15** specimens were confirmed for Acute Viral Hepatitis, **149** specimens were confirmed for Measles, **01** specimens were confirmed for Leishmaniasis, and **01** specimens was confirmed for Malaria (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 9th 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, 1132 (20.6%) Severe Acute Respiratory Infections cases were reported and 64% were under 5 years old. The proportion of SARI cases was decreased compared to week 8th 2024. 52 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 (47.0%), Kapisa (45.3%), and Badakhshan (40.0%) 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, **2076** specimens were tested for suspected COVID-19. Out of which **133** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 6.4% this week, which decreased 2.4% compared to previous week.
- Out of **133 confirmed** cases, **186** contacts out of **42** 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 **33,264** 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 increasing trend (0.9%) compared to the previous week.
- Pneumonia cases are on the increasing trend (0.4%) compared to the previous week.
- Diarrheal diseases are on the same trend 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 **1320 (IBS+EBS)** suspected Measles cases with **08 (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.