

Summary:

- Out of **613** functional Surveillance sentinel sites, **586 (95.6%)** have submitted reports this week.
- A total of **592,774** new consultations, **259,062 (43.7%)** were due to Surveillance targeted diseases. That included **134,803 (52%)** males and **124,259 (48%)** females. Also, **114,140 (44.1%)** under five years old and **144,922 (55.9%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **180,702 (30.5%)** cases out of total new consultations, Acute Diarrheal Diseases **28,760 (4.9%)** cases out of total new consultations, and Pneumonia **44,547 (7.5%)** cases out of total new consultations.
- A total of **354** deaths were reported this week, of which **132 (37.3%)** deaths were due to Surveillance targeted diseases, which include **111** Pneumonia deaths, **15** COVID-19 deaths, **04** Suspected Meningitis/ Severely Ill Child deaths, **01** Acute Watery Diarrhea (AWD) with Dehydration death, **01** Suspected Acute Viral Hepatitis death.
- In addition, during this week **21 outbreaks were reported (08 suspected Measles** outbreaks were reported from **Kunduz, Kabul, Helmand and Zabul** Provinces, **05 suspected ARI/Pneumonia** outbreaks were reported from **Nuristan, Parwan, Kunduz, Takhar and Zabul** Provinces, **03 Dog bites /suspected Rabies** were reported from **Paktika, Takhar and Helmand** Provinces, **02 suspected CCHF** were reported from **Kabul and Khost** Provinces, **01 suspected chickenpox** was reported from Takhar, **01** suspected Mumps was reported from Samangan Province and **01 suspected scabies** was reported from **Logar** Province).
- Moreover, **240** COVID-19 confirmed cases and **708** suspected **Measles** cases reported at national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2023

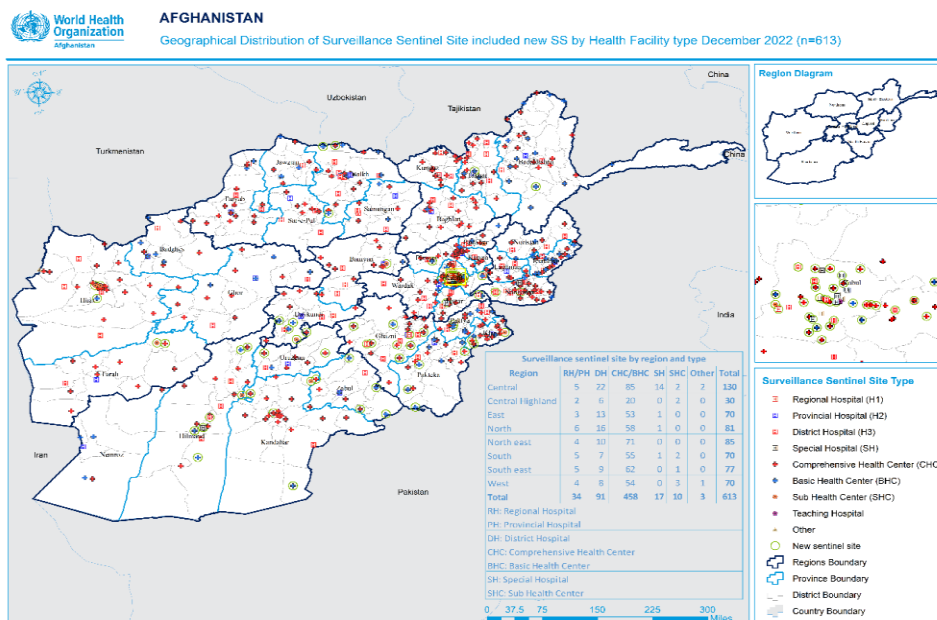


Table 1: Coverage of NDSR Surveillance System

| 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 NDSR, report 17 priority conditions/infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and the corresponding weeks of previous years and the alert and epidemic threshold is checked to see if disease incidence has crossed these levels and necessary action is initiated.

Figure 2: A

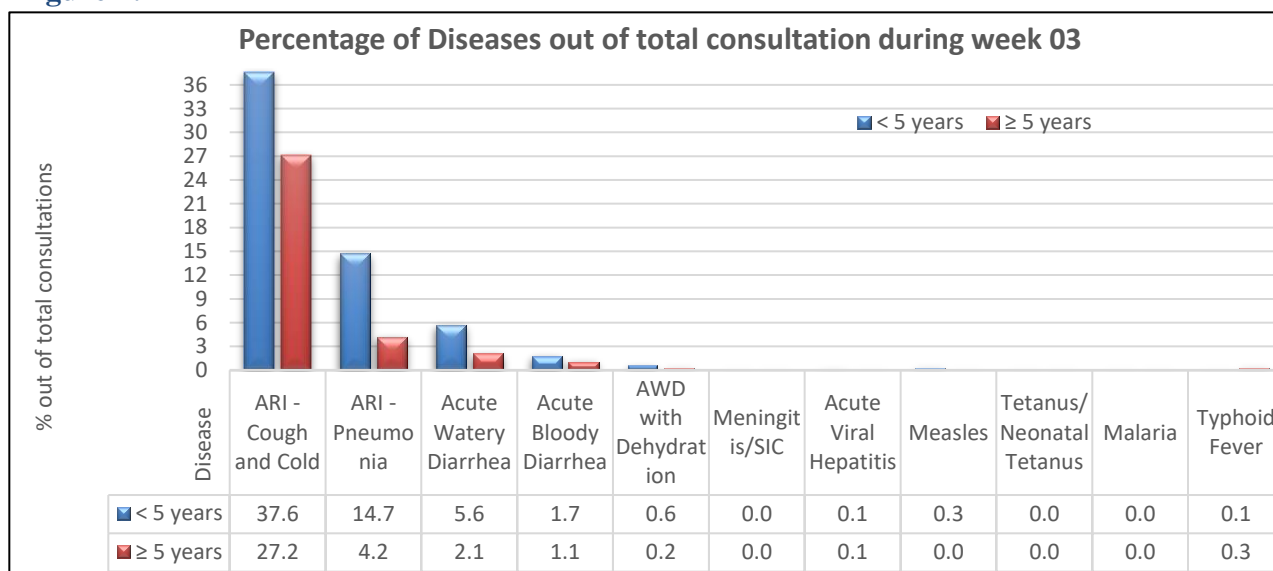


Figure 2: B

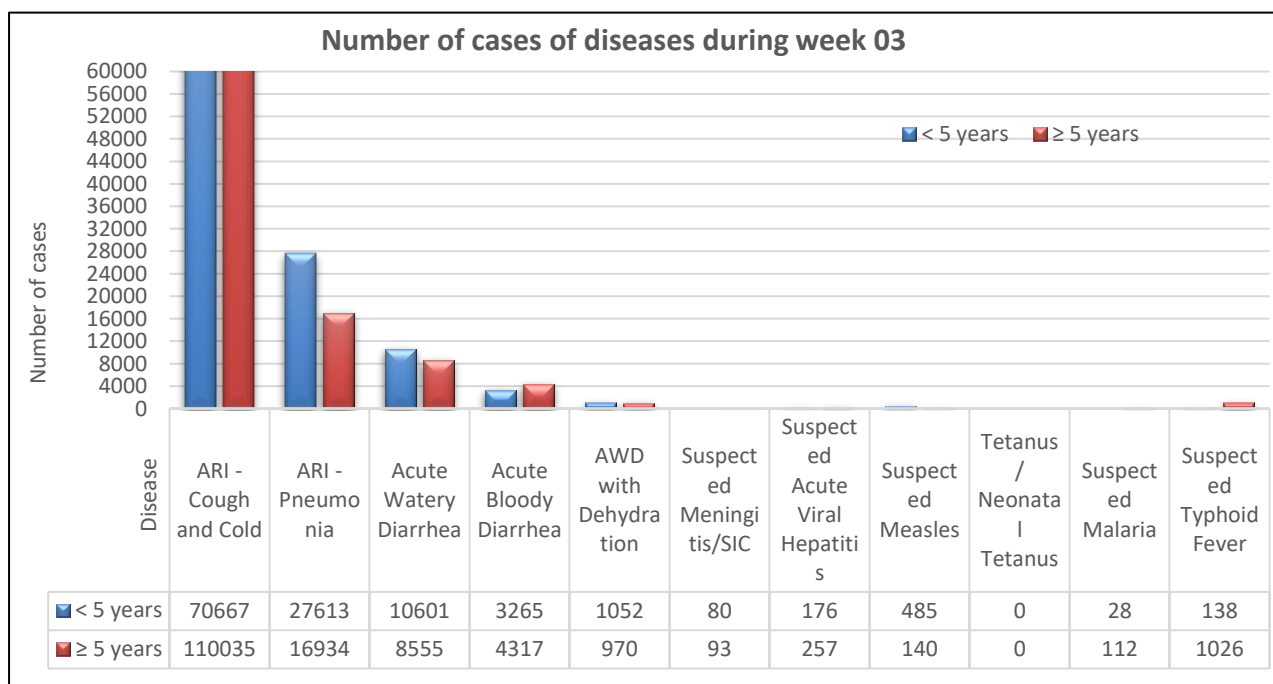


Table 2: Cases and deaths due to VPDs by age group during week 03rd 2023

| Diseases | Cases | | | Deaths | | | CFR/100 |
|---------------------|----------|-----------|-------|----------|-----------|-------|---------|
| | <5 years | ≥ 5 years | Total | <5 years | ≥ 5 years | Total | |
| Suspected Measles | 537 | 171 | 708 | 0 | 0 | 0 | 0.00 |
| Suspected Pertussis | 13 | 0 | 13 | 0 | 0 | 0 | 0.00 |

Seasonal Diseases:

Figure 3: A

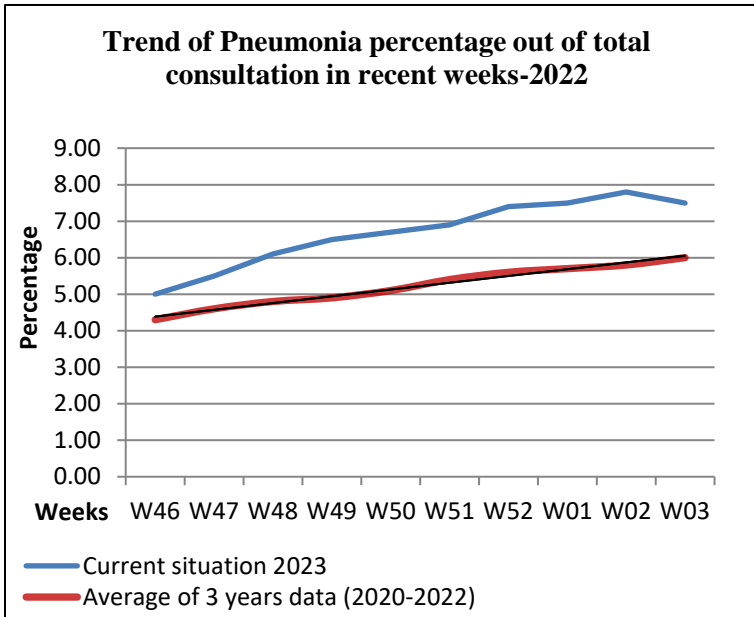


Figure 3: B

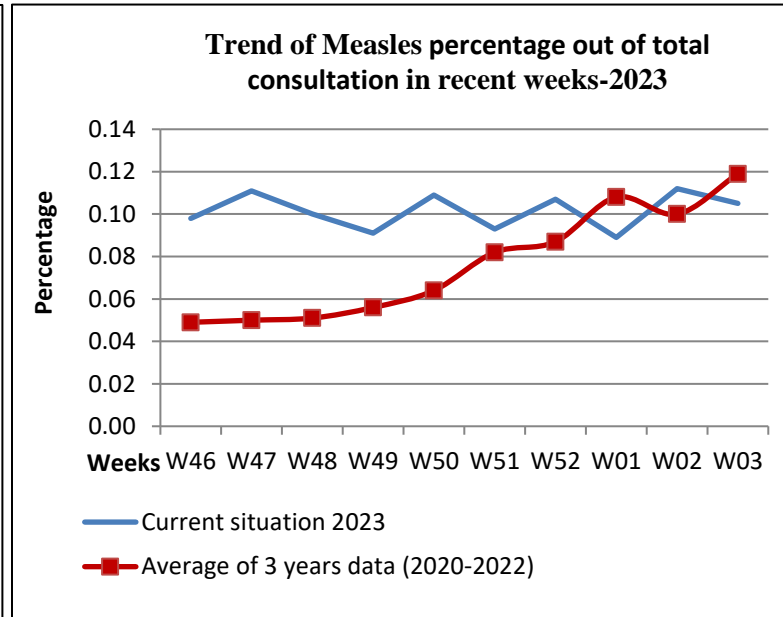


Figure 3: C

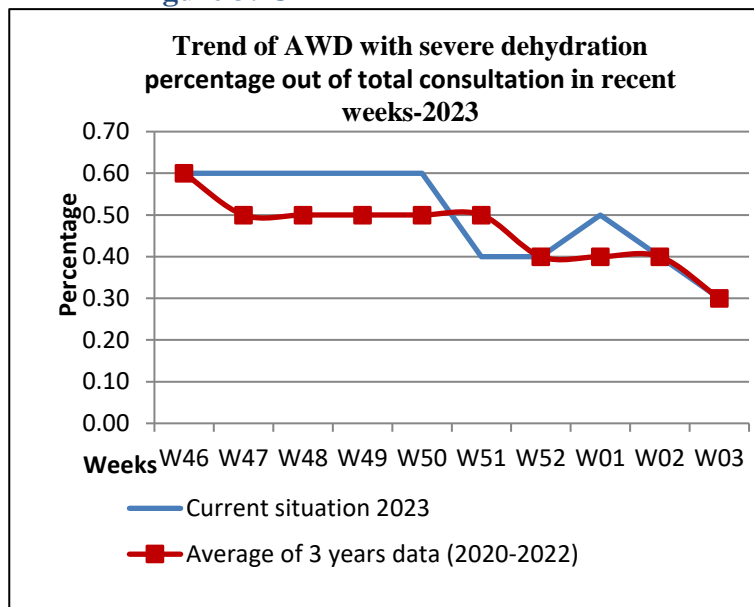


Figure 3: D

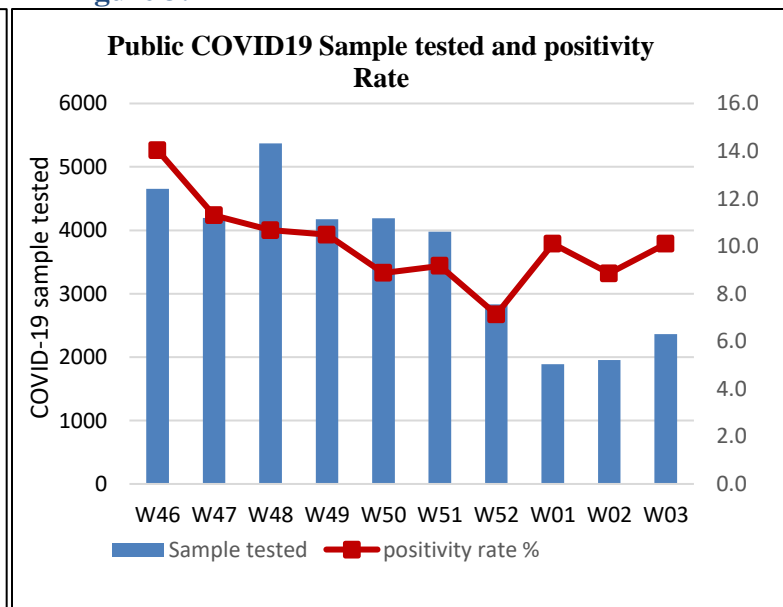


Table 3: Outbreaks in week 03rd 2023:

| Suspected Measles outbreaks (Kunduz, Kabul, Helmand and Zabul) provinces | | | | | | | | | | |
|--|----------|------------|------------------|-----------------|----------|-------------|--------|----------------------|----------|--|
| Reported dated | Province | District | Village | <5 cases | ≥5 cases | Total cases | Deaths | Vaccination coverage | | Recommendation/Action taken |
| | | | | | | | | Reported | Assessed | |
| 16/01/2023 | Kunduz | Khan Abad | Mahfli and Basus | 4 | 1 | 5 | 0 | NA | NA | <p>In this week, 08 suspected Measles outbreaks were reported from Kunduz, Kabul, Helmand and Zabul provinces.</p> <p>The outbreaks were investigated, case management was done for all the cases. Also, health education sessions were conducted. Vaccination of children in the surrounding villages of the affected area is going on.</p> |
| 18/1/2023 | Kabul | District 7 | Tani Koot | 6 | 0 | 6 | 0 | NA | 0 | |
| 15/1/2023 | Helmand | Baghran | Qarabagh | 6 | 4 | 10 | 0 | NA | 10% | |
| 14/1/2023 | | | Garm Aab | 8 | 2 | 10 | 0 | NA | 15% | |
| 17/1/2023 | | Marjha | Akhond masjid | 6 | 4 | 10 | 0 | NA | 20% | |
| 15/1/2023 | | Kajaki | Bahir village | 5 | 5 | 10 | 0 | NA | 20% | |
| 17/1/2023 | | | Bana aka masjid | 4 | 6 | 10 | 0 | NA | 15% | |
| 15/1/2023 | | Zabul | Mizan | Akhtar mohammad | 13 | 9 | 22 | 0 | 97% | |

Suspected Pneumonia outbreaks from (Nuristan, Parwan, Kunduz, Takhar and Zabul) provinces

| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
|----------------|----------|-----------|------------------------|-------------|--------------|--|
| 15/01/2023 | Nuristan | Norgram | Gulcha khil | 37 | 0 | During This Week 05 Suspected Pneumonia Outbreaks Were Reported from Nuristan, Parwan, Kunduz, Takhar and Zabul Provinces , Case Management Was Done. Health Education Sessions Were Conducted for All the Cases. |
| 17/01/2023 | Parwan | Bagram | Ghulam Ali | 21 | 0 | |
| 15/01/2023 | Kunduz | Khan Abad | Khan Abad | 40 | 0 | |
| 15/01/2023 | Takhar | Bangi | Ghoorchi and Kadokhoor | 18 | 2 | |
| 15/01/2023 | Zabul | Shinkay | Qalandar khil | 57 | 0 | |

Dog bites/suspected Rabies outbreaks from (Paktika, Takhar and Helmand) provinces

| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
|----------------|----------|----------|-----------|-------------|--------------|---|
| 15/01/2023 | Paktika | Sharan | Charada | 8 | 0 | During this week 03 suspected Rabies outbreaks were reported from Paktika, Takhar and Helmand provinces, case management was done. Health education sessions were conducted for all the cases. |
| 17/01/2023 | Takhar | Taluqan | Choob bur | 4 | 0 | |
| 15/01/2023 | Helmand | Nawa | Nigara | 6 | 0 | |

Suspected CCHF outbreaks from (Kabul and Khost) provinces

| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
|----------------|----------|------------|-----------|-------------|--------------|---|
| 15/01/2023 | Kabul | District 8 | Karte Naw | 1 | 0 | During this week 02 suspected CCHF outbreaks were reported from Kabul and Khost provinces, case management was done. Health education sessions were conducted for all the cases. |
| 18/01/2023 | Khost | Center | Wazyan | 1 | 0 | |

Suspected chickenpox outbreak from (Takhar) province

| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
|----------------|----------|----------|---------|-------------|--------------|--|
| 17/01/2023 | Takhar | Taluqan | Gawmali | 6 | 0 | During this week 01 suspected chickenpox outbreak was reported from Takhar Province, case management was done. Health education session was conducted for all the cases. |

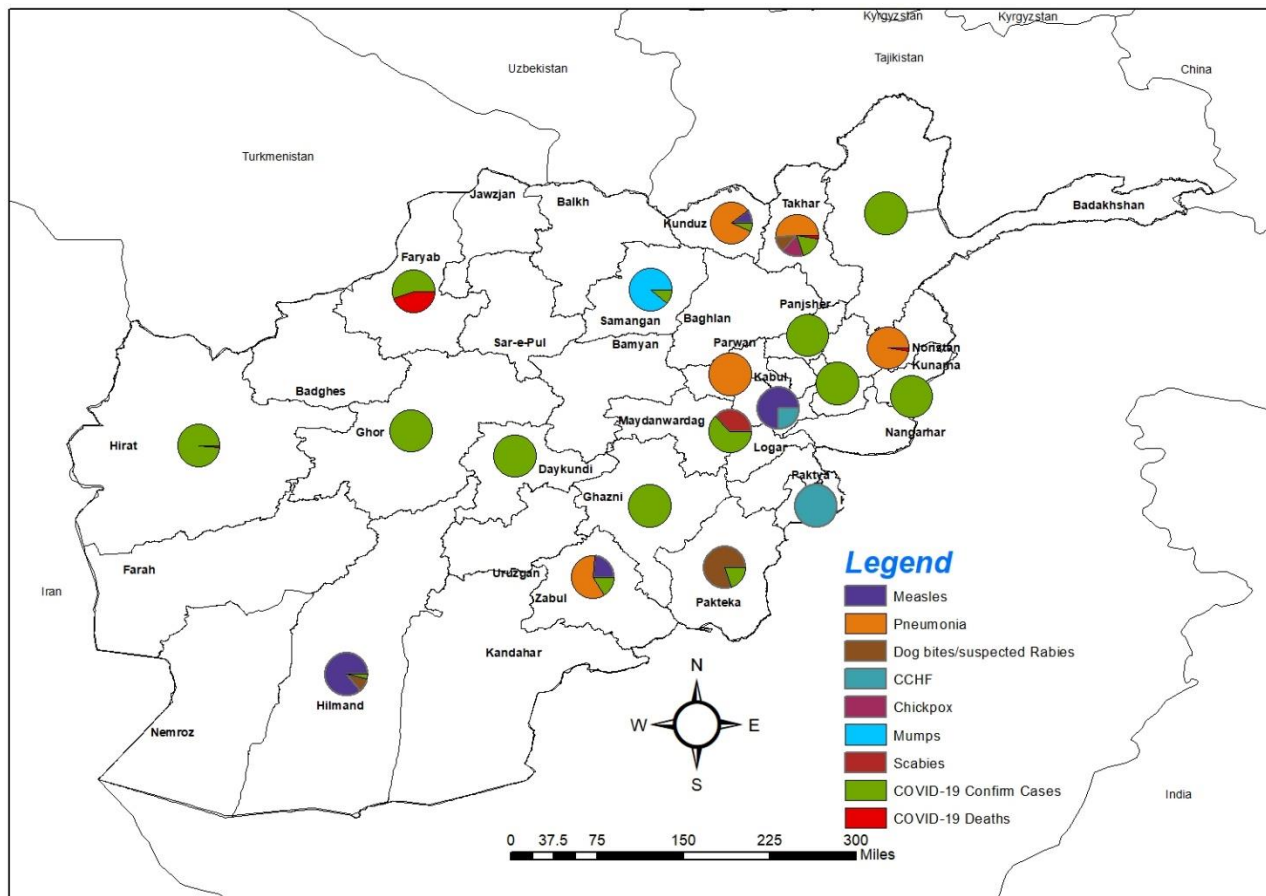
| Suspected Mumps outbreak from (Urozgan) province | | | | | | |
|--|----------|----------|-----------|-------------|--------------|--|
| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
| 17/01/2023 | Samangan | Aybak | Taykhonak | 24 | 0 | During this week 01 suspected Mumps outbreak was reported from Samangan province, case management was done. Health education session was conducted for all the cases. |

| Suspected Scabies outbreaks from (Logar) province | | | | | | |
|---|----------|-----------|----------------------|-------------|--------------|---|
| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
| 17/01/2023 | Logar | Puli Alam | Puli Matani Kulangar | 6 | 0 | During this week 01 suspected Scabies outbreak was reported from Logar province, case management was done. Health education session was conducted for all the cases. |

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 21 Jan 2023)

| Disease/Event | Count of Disease/Event | Sum of Lab Confirm | Sum of total Cases | Sum of Total Deaths |
|-----------------------------|------------------------|--------------------|--------------------|---------------------|
| Measles | 15 | 0 | 153 | 0 |
| CCHF | 2 | 0 | 2 | 0 |
| Dog bites/Suspected Rabies | 4 | 0 | 22 | 0 |
| Pertussis | 5 | 0 | 42 | 0 |
| Acute Watery Diarrhea | 0 | 0 | 0 | 0 |
| Food Poisoning | 0 | 0 | 0 | 0 |
| Unknown Poisoning | 0 | 0 | 0 | 0 |
| Scabies | 4 | 0 | 290 | 0 |
| Chickenpox | 6 | 0 | 270 | 0 |
| Leishmaniosis | 0 | 0 | 0 | 0 |
| Cat bite suspected rabies | 0 | 0 | 0 | 0 |
| Mumps | 3 | 0 | 40 | 0 |
| Diphtheria | 0 | 0 | 0 | 0 |
| Pneumonia | 15 | 0 | 730 | 2 |
| ARI Cough and cold | 1 | 0 | 24 | 0 |
| Dengue fever | 0 | 0 | 0 | 0 |
| Skin disease | 0 | 0 | 0 | 0 |
| Anthrax | 0 | 0 | 0 | 0 |
| Confirmed Malaria | 0 | 0 | 0 | 0 |
| Acute Viral Hepatitis (AVH) | 0 | 0 | 0 | 0 |
| COVID-19 | 1 | 1 | 608 | 22 |
| Grand Total | 55 | 1 | 2178 | 24 |

Figure 4: COVID-19, Suspected Measles, Suspected Pneumonia, Dog bites/ suspected Rabies, Suspected Chickenpox, Suspected Mumps, Suspected Scabies cases and deaths during the week 03rd 2023



Laboratory surveillance:

A total of **2880** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **240** specimens were confirmed for COVID-19, **62** specimens were confirmed for **Measles**, **03** specimens were confirmed for **Acute Viral Hepatitis**, **05** specimens were confirmed for **Malaria**, and **01** specimens was confirmed for Brucellosis. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

Epidemiological week 3th 2023, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 429 (10.9%) Severe Acute Respiratory Infections cases were reported and 71% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 2nd 2023. 08 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (65.2 %), Kabul (43 %), and Bamyan (23.4 %) provinces. During this Epi-week, our field staff shipped 54 SARI and 36 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **2365** specimens were tested for suspected COVID-19. Out of which **240** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 10.14 % in this week, which increased 1.25% compared to the previous week.
- Out of **240** confirmed cases, **392** contacts of **147** confirmed cases were traced that were mostly family members with an average of 3 contacts per one case, and will be continued until 14 days of 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 **33,072** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- COVID-19 case positivity rate increased this week and had 15 deaths
- Measles cases are still a public health concern in the country, this week 708 measles cases were reported to the surveillance system
- ARI pneumonia cases are on the increasing trend compared to last weeks and the same weeks of the previous year (this week there were six ARI Pneumonia outbreaks at the national level)
- Weak response system to outbreaks at the national level

Recommendations:

- COVID-19 preventive and control measures should be strengthened
- Public awareness regarding ARI pneumonia prevention and control is needed
- Vaccine preventable diseases (especially Measles and Pertussis vaccination and preventive measures) should be strengthened.
- The measles response strategy should be reviewed in order to respond to the current measles epidemic situation
- RRTs establishment at the provincial and national level is needed, to timely investigate and respond the outbreaks
 - **EPI:** As the surveillance system detected **708** suspected Measles cases at the national level, so further prevention and control measures should be conducted by the EPI team.
- The findings should be analyzed further at different levels and appropriate actions to be taken by the concerned departments.