

National Disease Surveillance
& Response (NDSR)NDSR Weekly Epidemiological Report 13th

Date: 26 / 03 – 01/04/ 2023

Summary:

- Out of **613** functional Surveillance sentinel sites, **589 (96.1%)** have submitted reports this week.
- A total of **633,814** new consultations, **229,041 (36.1%)** were due to Surveillance targeted diseases. That included **121,627 (53.1%)** males and **107,414 (46.9%)** females. Also, **111,872 (48.8%)** under five years old and **117,169 (51.2%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **147,587 (23.3%)** cases out of total new consultations, Acute Diarrheal Diseases **48,916 (7.7%)** cases out of total new consultations, and Pneumonia **27,286 (4.3%)** cases out of total new consultations.
- A total of **190** deaths were reported this week, of which **54 (28.5%)** deaths were due to Surveillance targeted diseases, which include **41 Pneumonia** deaths, **03 Suspected Meningitis/ Severely Ill Child** deaths, **03 Acute Watery Diarrhea (AWD) with Dehydration** deaths, **02 Suspected Measles** deaths, **02 Pregnancy-related** deaths, **01 Suspected Acute Viral Hepatitis** death, **01 COVID-19** death and **01 Acute Bloody Diarrhea** death.
- In addition, during this week **15** outbreaks were reported (**05 Suspected Measles** outbreaks were reported from **Ghazni, Nangarhar, Paktia, Wardak and Zabul** Provinces, **04 Suspected Chickenpox** outbreaks were reported from **Herat, Nimroz, Saripul and Urozgan** Provinces, **03 Clinical Scabies** outbreaks were reported from **Kapisa and Wardak** provinces, **01 Suspected Pertussis** outbreak was reported from **Helmand** province, **01 Dengue Fever** outbreak was reported from **Kunar** Province and **01 Leishmaniasis** was reported from **Kandahar** Province).
- Moreover, **614** COVID-19 confirmed cases, **777** Suspected **Measles** cases with 02 deaths were reported at national level.

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

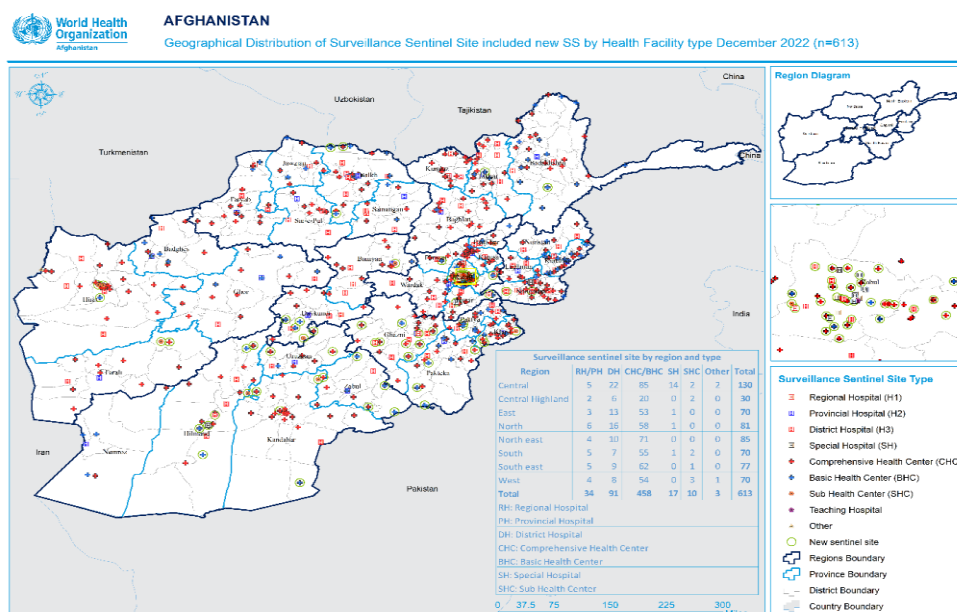


Table 1: Coverage of NDSR Surveillance System

| 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 three 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

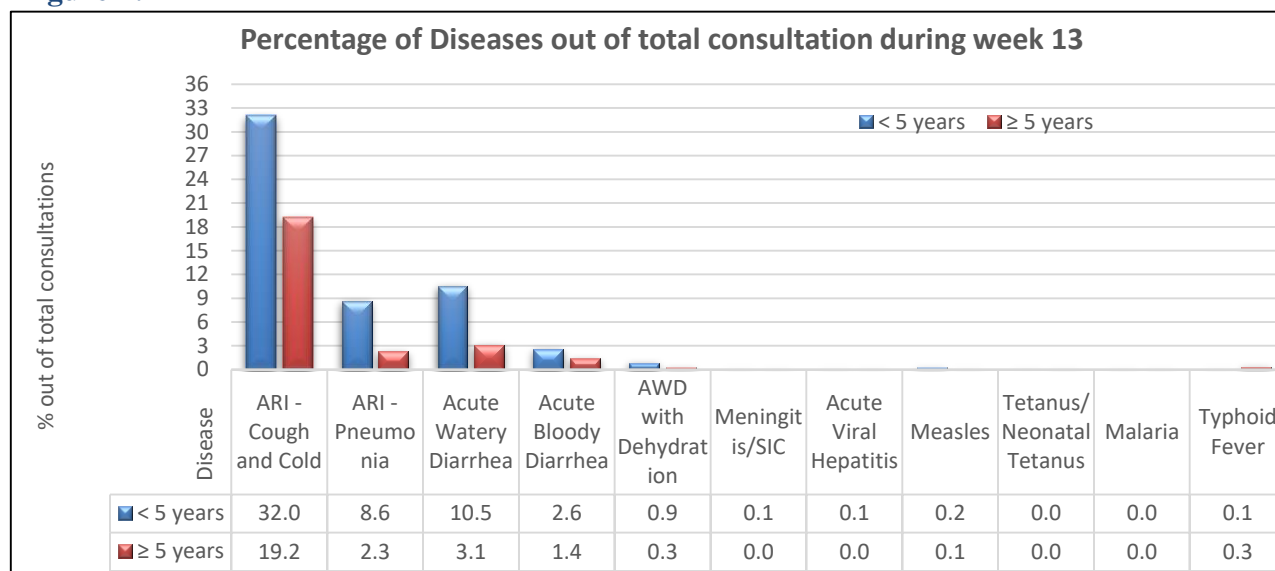


Figure 2: B

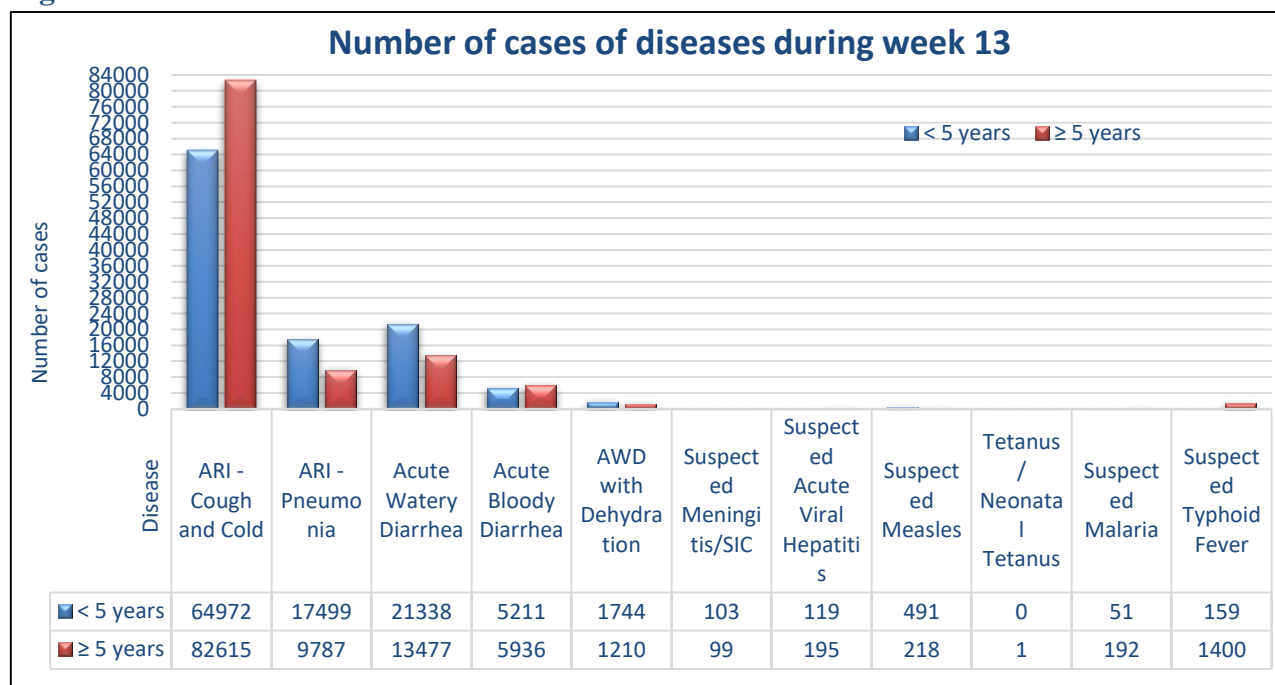


Table 2: IBS Cases and deaths due to VPDs by age group during week 13th 2023

| Diseases | Cases | | | Deaths | | | CFR/100 |
|-------------------|----------|-----------|-------|----------|-----------|-------|---------|
| | <5 years | ≥ 5 years | Total | <5 years | ≥ 5 years | Total | |
| Suspected Measles | 491 | 218 | 709 | 2 | 0 | 2 | 0.28 |

Seasonal Diseases:

Figure 3: A

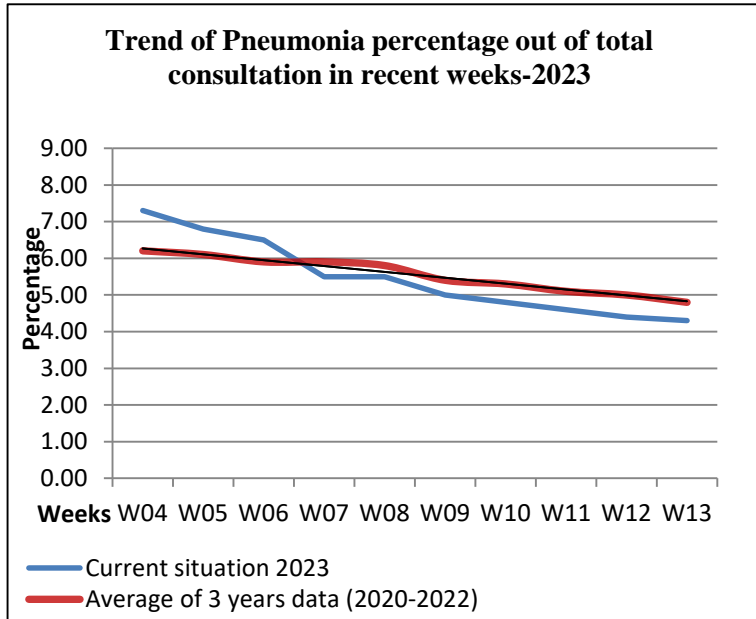


Figure 3: B

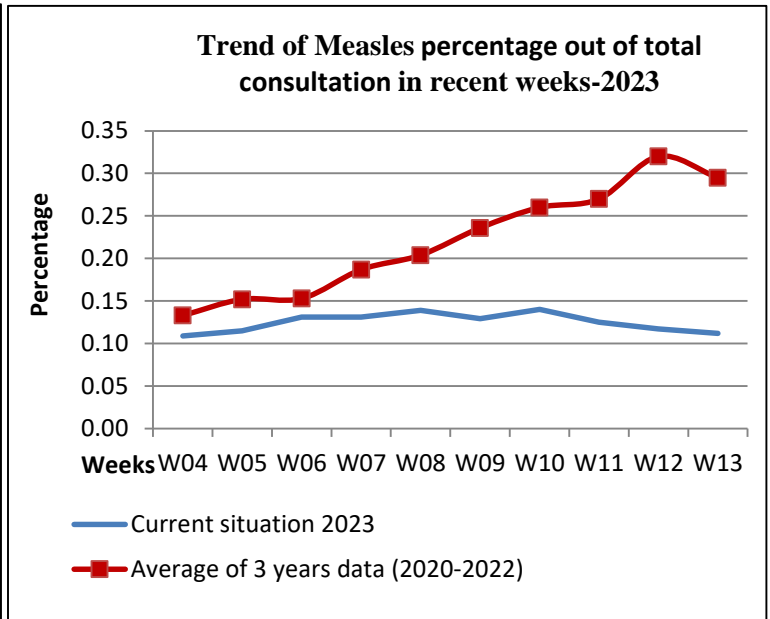


Figure 3: C

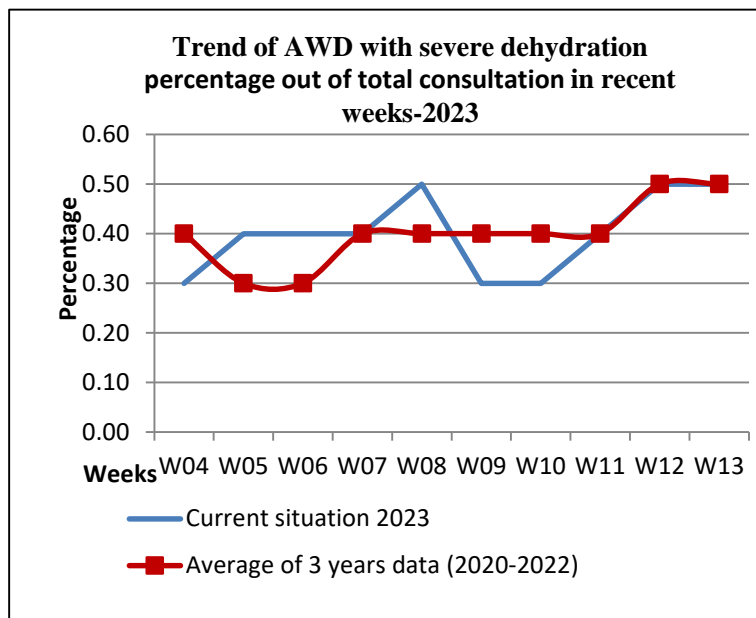


Figure 3: D

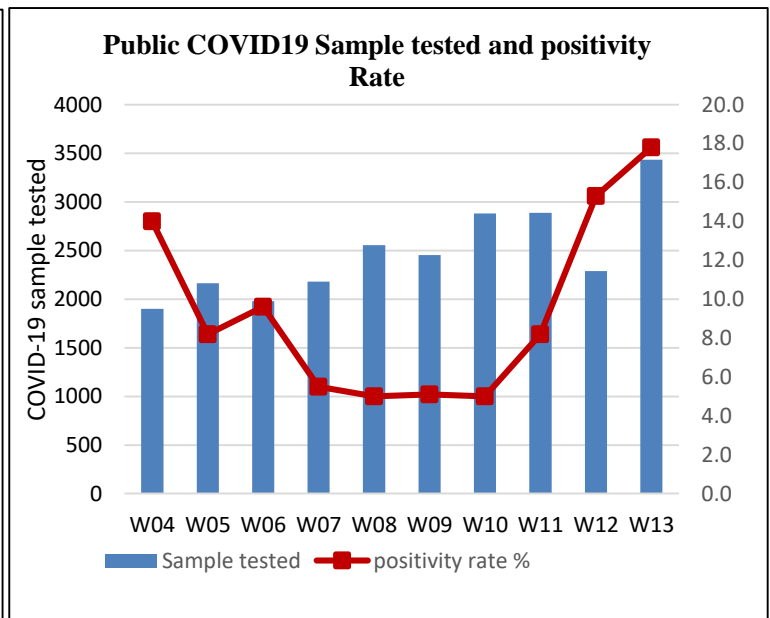


Table 3: Outbreaks in week 13th 2023:

| Suspected Measles outbreaks from Ghazni, Nangarhar, Paktya, Wardak and Zabul Provinces | | | | | | | | | | |
|--|-----------|-----------|----------------|----------|----------|-------------|--------|----------------------|----------|---|
| Reported dated | Province | District | Village | <5 cases | ≥5 cases | Total cases | Deaths | Vaccination coverage | | Recommendation/Action taken |
| | | | | | | | | Reported | Assessed | |
| 28/03/2023 | Ghazni | Muqor | Saman Qala | 13 | 9 | 22 | 0 | NA | NA | During this week, 05 suspected Measles outbreaks were reported from Ghazni , Nangarhar, Paktya, Wardak and Zabul Provinces. 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. |
| 26/03/2023 | Nangarhar | sorkhroad | Shanas er agha | 11 | 3 | 14 | 0 | NA | 70% | |
| 29/03/2023 | Paktia | Ahmadaba | Sadat khel | 4 | 2 | 6 | 0 | NA | 70% | |
| 28/3/2023 | Wardak | Said Abad | Yosuf khil | 7 | 3 | 10 | 0 | 85% | 66% | |
| 27/3/2023 | Zabul | Siory | Garra kali | 9 | 7 | 16 | 0 | 72% | 10% | |

| Suspected Chickenpox outbreaks from Herat, Nimroz, Saripul and Urozgan provinces | | | | | | |
|--|----------|------------|--------------------|-------------|--------------|--|
| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
| 30/03/2023 | Herat | Karukh | Hydar Ali | 17 | 0 | During this week 04 Suspected Chickenpox outbreaks were reported from Herat , Nimroz, Saripul and Urozgan Provinces, case management was done. Health education sessions were conducted for all the cases. |
| 25/03/2023 | Nimroz | Chaknasoor | Shir Dill | 17 | 0 | |
| 29/03/2023 | Saripul | Saripul | Newabad Emmamkalan | 19 | 0 | |
| 29/03/2023 | Urozgan | Tarinkot | Upper Sola | 9 | 0 | |

| Clinical Scabies outbreaks from Kapisa and Wardak provinces | | | | | | |
|---|----------|------------|-------------------|-------------|--------------|--|
| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
| 28/3/2023 | Kapisa | Kohistan-2 | Chakri - Madrasah | 13 | 0 | During this week 03 Clinical Scabies outbreaks were reported from Kapisa and Wardak Provinces, Case management was done. Health education sessions were conducted for all the cases. |
| 28/3/2023 | | Tagab | Azat Khail | 24 | 0 | |
| 25/03/2023 | Wardak | Said Abad | Adam Khil | 15 | 0 | |

| Suspected Pertussis outbreak from Helmand province | | | | | | |
|--|----------|----------|----------------------|-------------|--------------|---|
| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
| 28/03/2023 | Helmand | Sangin | Mola Bawari Atalilgi | 9 | 0 | During this week 01 suspected Pertussis outbreak was reported from Helmand province, case management was done. Health education session was conducted for all the cases. |

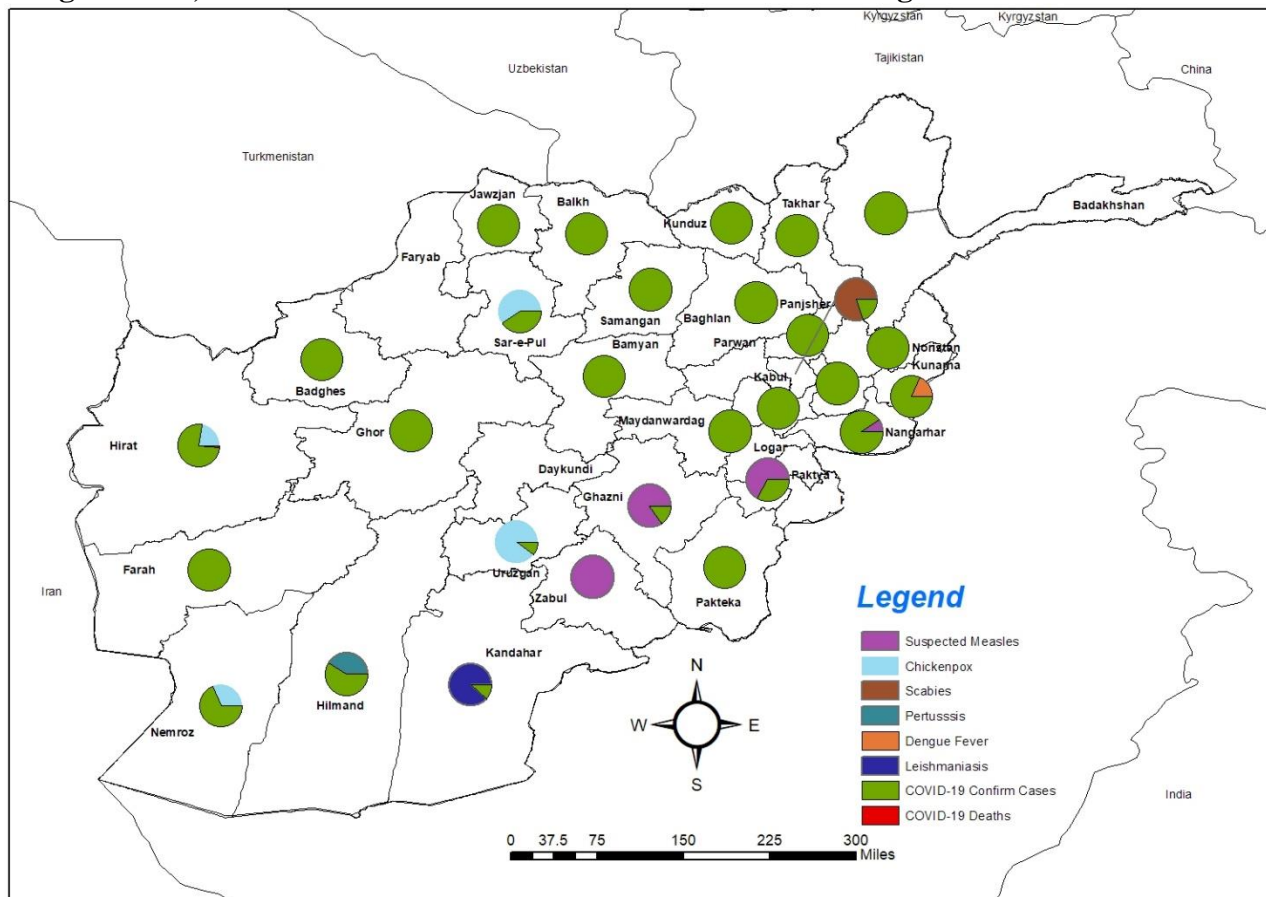
| Dengue Fever outbreak from Kunar province | | | | | | |
|---|----------|----------|---------|-------------|--------------|---|
| Reported Dated | Province | District | Village | Total Cases | Total Deaths | Recommendation/Action take |
| 29/03/2023 | Kunar | Sarkano | Pashak | 1 | 1 | During this week 01 Dengue Fever outbreak was reported from Kunar province, case management was done. Health education session was conducted for all the cases. |

| Leishmaniasis outbreak from Kandahar province | | | | | | |
|---|----------|----------|--------------------|-------------|--------------|---|
| Reported Dated | Province | District | Village | Total Cases | Total Deaths | Recommendation/Action take |
| 26/03/2023 | Kandahar | Panjwai | Different Villages | 377 | 0 | During this week 01 Leishmaniasis outbreak was reported from Kandahar 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 01 April 2023)

| Disease/Event | Count of Disease/Event | Sum of Lab Confirm | Sum of total Cases | Sum of Total Deaths |
|-----------------------------|------------------------|--------------------|--------------------|---------------------|
| Measles | 112 | 38 | 1302 | 6 |
| CCHF | 0 | 0 | 0 | 0 |
| Dog bites/Suspected Rabies | 21 | 0 | 176 | 0 |
| Pertussis | 17 | 0 | 192 | 0 |
| Acute Watery Diarrhea | 0 | 0 | 0 | 0 |
| Food Poisoning | 0 | 0 | 0 | 0 |
| Unknown Poisoning | 0 | 0 | 0 | 0 |
| Scabies | 53 | 0 | 1884 | 0 |
| Chickenpox | 60 | 1 | 1524 | 0 |
| Leishmaniosis | 5 | 0 | 574 | 0 |
| Cat bite suspected rabies | 0 | 0 | 0 | 0 |
| Mumps | 24 | 0 | 296 | 0 |
| Diphtheria | 0 | 0 | 0 | 0 |
| Pneumonia | 29 | 1 | 1074 | 24 |
| ARI Cough and cold | 1 | 0 | 24 | 0 |
| Dengue fever | 1 | 0 | 1 | 1 |
| Skin disease | 1 | 0 | 545 | 0 |
| Anthrax | 2 | 0 | 2 | 0 |
| Confirmed Malaria | 0 | 0 | 0 | 0 |
| Acute Viral Hepatitis (AVH) | 1 | 0 | 10 | 0 |
| Suspected Typhoid fever | 2 | 0 | 36 | 0 |
| COVID-19 | 1 | 1 | 2989 | 43 |
| Grand Total | 330 | 41 | 10629 | 74 |

Figure 4: Suspected Measles, Suspected Chickenpox, Clinical Scabies, Suspected Pertussis, Dengue Fever, Leishmaniasis and Covid-19 cases and deaths during the week 13th 2023.



Laboratory surveillance:

A total of **4732** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **614** specimens were confirmed for COVID-19, **61** specimens were confirmed for **Measles**, **23** specimens were confirmed for **Acute Viral Hepatitis** and **06** specimens were confirmed for **Malaria**. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 13th 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, 204 (6.0%) Severe Acute Respiratory Infections cases were reported and 62% were under 5 years old. The proportion of SARI cases were slightly decreased compared to week 12th 2023. 05 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 (28.3%), Kabul (25%), and Baghlan (16.0%) 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, **3434** specimens were tested for suspected COVID-19. Out of which **614** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 17.9 % in this week, which increased 2.4 % compared to the previous week.
- Out of **614** confirmed cases, **1725** contacts of **436** were traced that were mostly family members with an average of 4 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 **70,157** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Herat, Nangarhar, Kandahar and Nimroz).

Challenges:

- COVID-19 case positivity rate increased 2.4 % this week
- Measles cases are still a public health concern in the country, this week **777** (IBS+EBS data) measles cases were reported to the surveillance system
- ARI pneumonia cases are on the decreasing (0.1%) trend compared to last weeks of the same weeks of the previous year, but AWD cases are on the increasing trend compared to last week (0.4%).
- Weak response system to outbreaks at the national level

Recommendations:

- COVID-19 preventive and control measures should be strengthened
- Public awareness regarding AWD 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 **777** 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.