



National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report 41th

Date: 10 Oct to 16 Oct, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 488 (95.1%) have submitted reports this week.
- A total of 393,786 new consultations, 157,154 (39.9%) were due to Surveillance targeted diseases. That included 83,964 male (53.4%) and 73,189 female (46.6%). Also 76,840 (48.9 %) under five years old and 80,313 (51.1%) over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 88,433 cases, (22.5 %) out of total new consultations, Acute Diarrheal Diseases 47,252 cases (12%) out of total new consultations and Pneumonia, 15,015 cases (3.8%) out of total new consultations.
- A total of 210 deaths were reported this week, of which 54 were due to Surveillance targeted diseases, which includes 17 COVID-19 deaths, 22 Pneumonia deaths, 06 Acute Watery Diarrhea (AWD) with Dehydration deaths, 03 Acute Bloody Diarrhea death, 03 suspected Meningitis/ Severely Ill Child deaths, 02 suspected Acute Viral Hepatitis deaths and 01 Pregnancy related death.
- A total of 293 Measles suspected cases were reported in this week.
- During this week, 546 AWD hospitalized new cases epi-linked with last month AWD outbreak reported from Kabul province.
- Also, 72 Dengue fever new suspected cases epi-linked with Nangarhar province were reported
- In addition during this week 7 new outbreaks were report (two Dog bites/Suspected Rabies outbreak reported from Takhar and Paktika provinces, two Measles outbreaks reported from Badghis and Nimroz provinces, One AWD outbreak reported from Kandahar province and two CCHF outbreaks reported from Faryab and Badghis provinces
- Moreover, 260 COVID-19 confirmed cases reported at national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2021

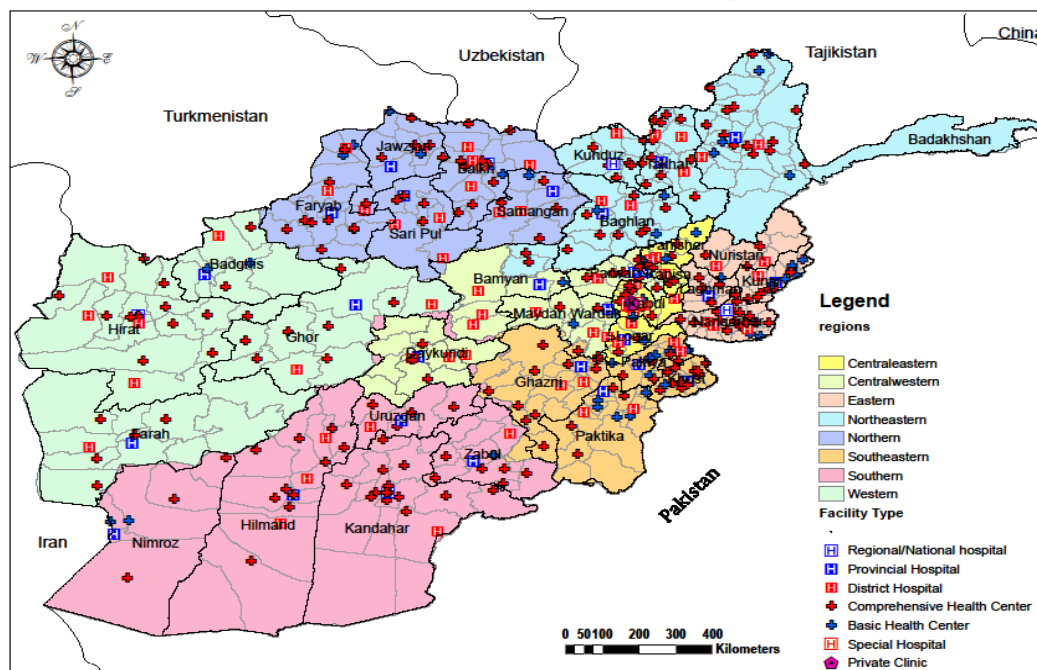


Table 1: Coverage of NDSR Surveillance System

| Type of Health Facility | RH/PH | DH | CHC/BHC | Special Hospital | Other | Total |
|------------------------------|-------|----|---------|------------------|-------|-------|
| Total Health Facilities (HF) | 37 | 88 | 1,315 | 32 | 1171 | 2,643 |
| HF covered by NDSR-Plus | 32 | 77 | 389 | 12 | 3 | 513 |

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.

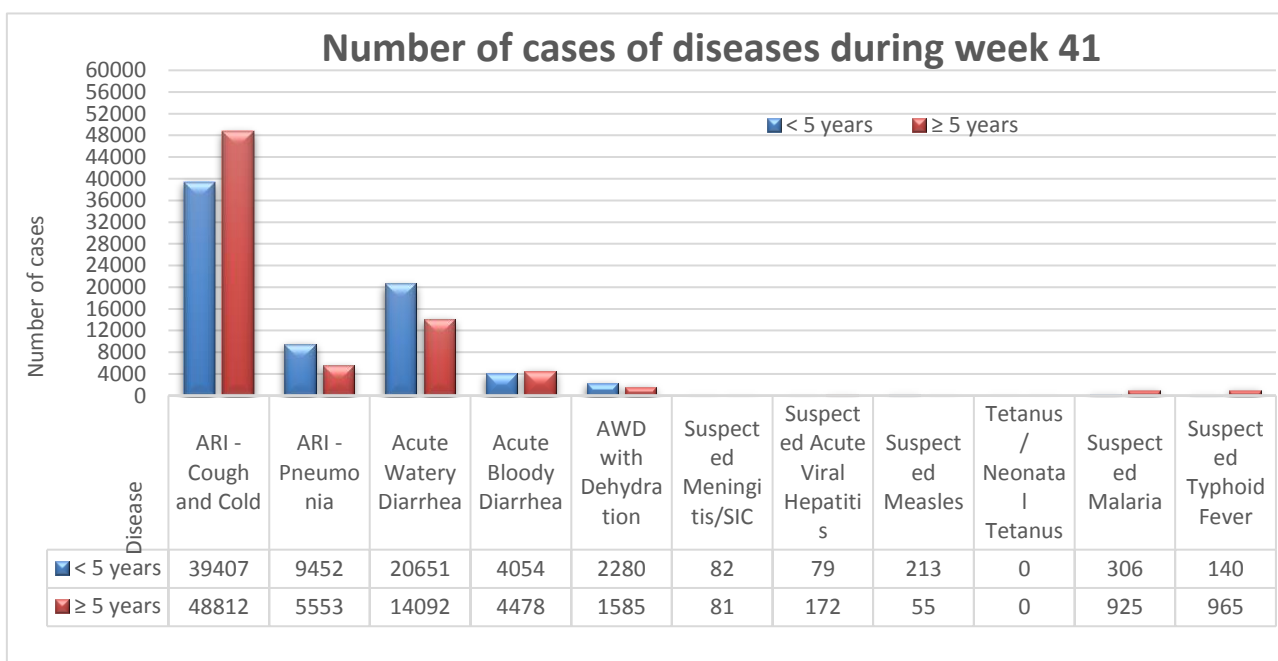
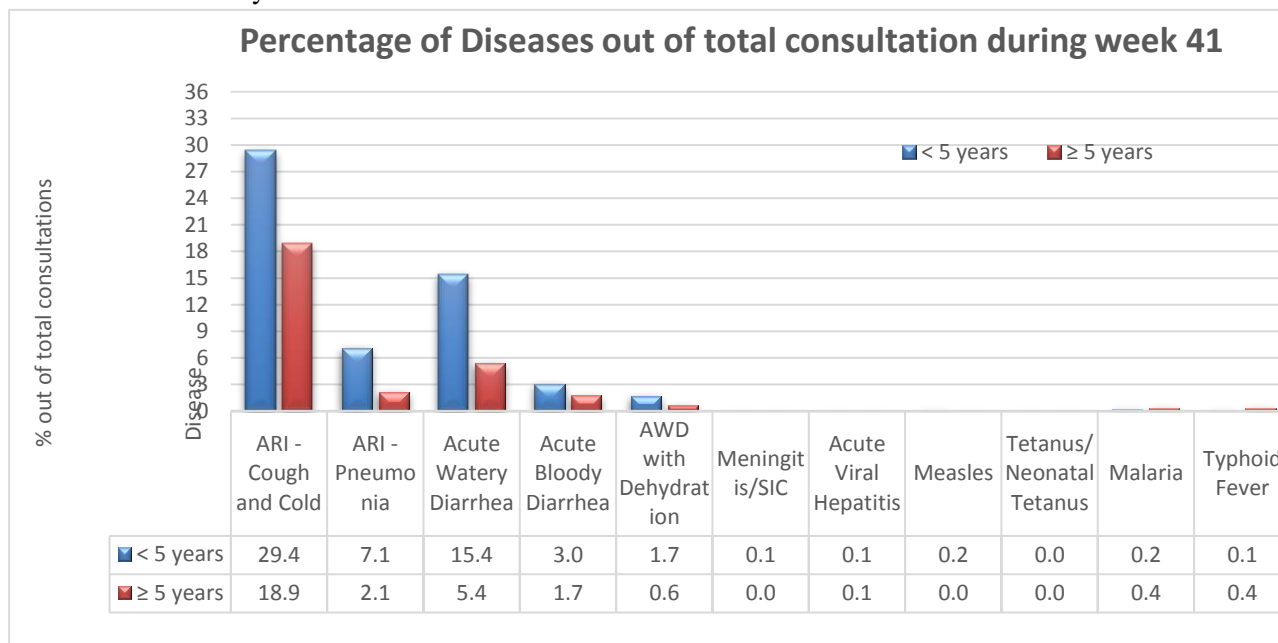
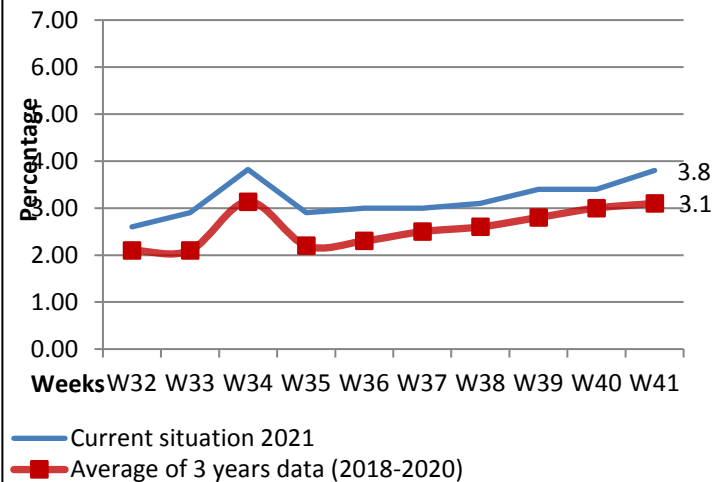


Table 2: Cases and deaths due to VPDs by age group during week 41th, 2021

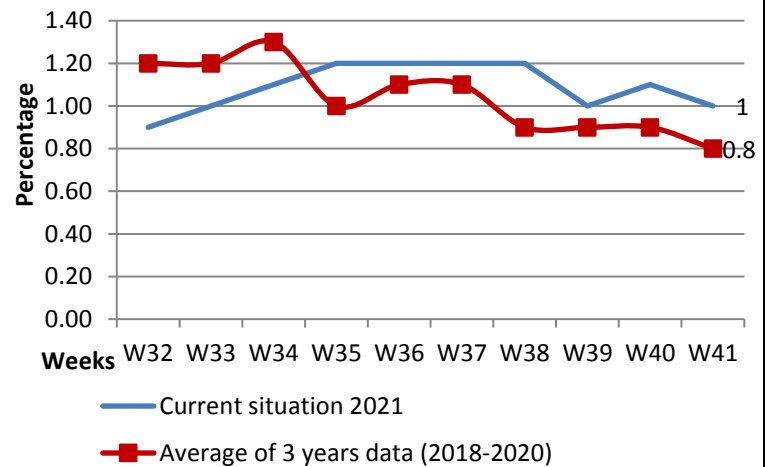
| Diseases | Cases | | | Deaths | | | CFR/100 |
|-------------------|----------|-----------|-------|----------|-----------|-------|---------|
| | <5 years | ≥ 5 years | Total | <5 years | ≥ 5 years | Total | |
| Suspected Measles | 213 | 55 | 268 | 0 | 0 | 0 | 0.00 |

Seasonal Diseases:

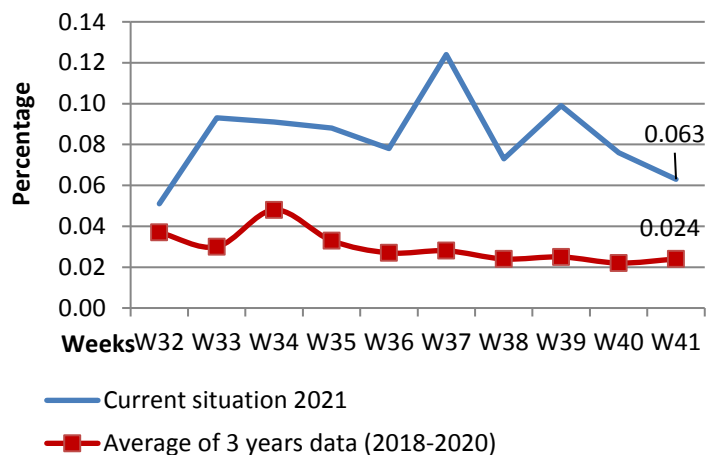
Trend of Pneumonia percentage out of total consultation in recent weeks-2021



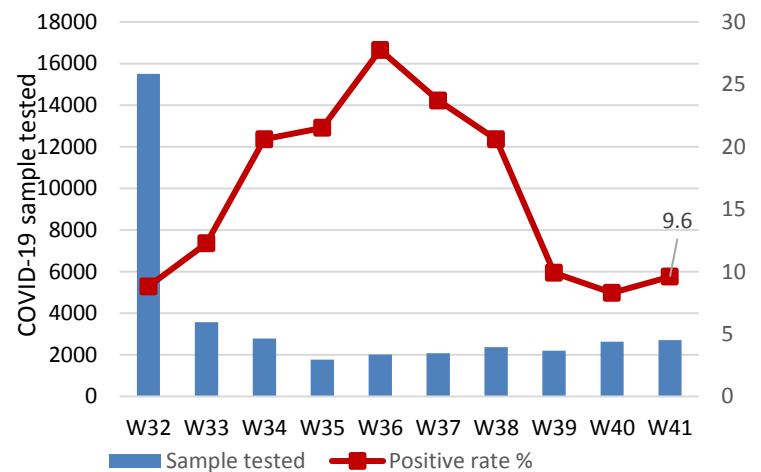
Trend of AWD with severe dehydration percentage out of total consultation in recent weeks-2021



Trend of Measles percentage out of total consultation in recent weeks-2021



COVID19 Sample tested and positivity Rate



| Follow up of AWD Outbreak (Kabul) | | | | | | | | |
|-----------------------------------|----------|-----------------|---------|----------|----------|-------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reported Date | Province | District | Village | <5 Cases | ≥5 Cases | Total Cases | Total Deaths | Recommendation /Action take |
| 10/10/2021 | Kabul | Kabul districts | Kabul | 169 | 377 | 546 | 01 | In this week, 546 AWD hospitalized new cases epi-linked with the last month Kabul province AWD outbreak reported, investigation is going on, active/daily surveillance is started, case management was done for all the cases. RDT sampling was done and lab samples for culture were collected and shipped to CPHL. Health education was conducted by the investigation team. |

| Follow up of Dengue fever cases (Nangarhar) | | | | | | | | |
|---------------------------------------------|-----------|----------------------|---------------------------------------------------------------------------------------|----------|----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Reported dated | Province | District | Village | <5 Cases | ≥5 Cases | Total Cases | Recommendation/Action take | |
| 10/10/2021 | Nangarhar | Mohmandara, Dor baba | Ghanikhil, Batikot, Dour Baba, Mahmandara, Jalalabad, Sourkhroad, Behsood and Lalpoor | 1 | 71 | 72 | During this week, 72 Dengue fever new suspected cases epi-linked with Nangarhar province Dengue fever outbreak reported, Coordination and communication was done with all stakeholders at the local, provincial and national levels, 32 blood serum specimens have been collected and shipped to CPHL for confirmation, among them 07 were positive for Dengue fever. | |

| Dog bites /Suspected Rabies Outbreak (Takhar, Paktika provinces) | | | | | | |
|------------------------------------------------------------------|----------|------------|--------------|-------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
| 13/10/2021 | Takhar | Chal | Haji Ramazan | 10 | 0 | In this week two Dog bites/Suspected Rabies outbreak were reported from Takhar and Paktika provinces, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well. |
| 11/10/2021 | Paktika | Yahya Khel | Adamwal | 3 | 0 | |

Suspected Measles Outbreaks (Nimroz, Badghis provinces)

| Reported Date | Province | District | Village | <5 Cases | ≥5 Cases | Total Cases | Total Deaths | coverage % | Recommendation /Action take |
|---------------|----------|----------|--------------|----------|----------|-------------|--------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/10/2021 | Nimroz | Mazad | Mazad | 3 | 2 | 5 | 0 | 0% | In this week, 02 suspected measles outbreaks with 25 suspected Measles cases were reported from Nimroz and Badghis provinces, the outbreaks were investigated, case management was done for all the cases. Health education regarding these outbreaks were delivered by the investigation teams. |
| 11/10/2021 | Badghis | Qadis | Molla Sharif | 16 | 4 | 20 | 0 | 0% | |

Suspected CCHF cases (Badghis, Faryab provinces)

| Reported dated | Province | District | Village | Total cases | Total deaths | Age | Occupation | Recommendation/Action take |
|----------------|----------|--------------|------------|-------------|--------------|-----|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/10/2021 | Badghis | Bala Morghab | Bazar Chah | 2 | 0 | 17y | Worker | During this week 03 suspected CCHF cases were reported from Faryab and Badghis Provinces, case management was done, and health education sessions was conducted. |
| 15/10/2021 | Faryab | Maimana | Sarbullaq | 1 | 0 | 35y | Housewife | |

AWD Outbreak (Kandahar provinces)

| Reported Date | Province | District | Village | <5 Cases | ≥5 Cases | Total Cases | Total Deaths | Recommendation /Action take |
|---------------|----------|------------|---------------------|----------|----------|-------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15/10/ 2021 | Kandahar | Spinboldak | Nawai Kalai village | 02 | 48 | 50 | 0 | In this week, one AWD outbreak with 50 AWD hospitalized new cases were reported from Kandahar province, case management was done for all the cases. 17 samples were collected and sent to KRRL for confirmation. Also Health education was conducted by the investigation team. |

Figure 2: COVID-19, CCHF, Measles, Dengue, AWD and Dog bites during week 41th, 2021

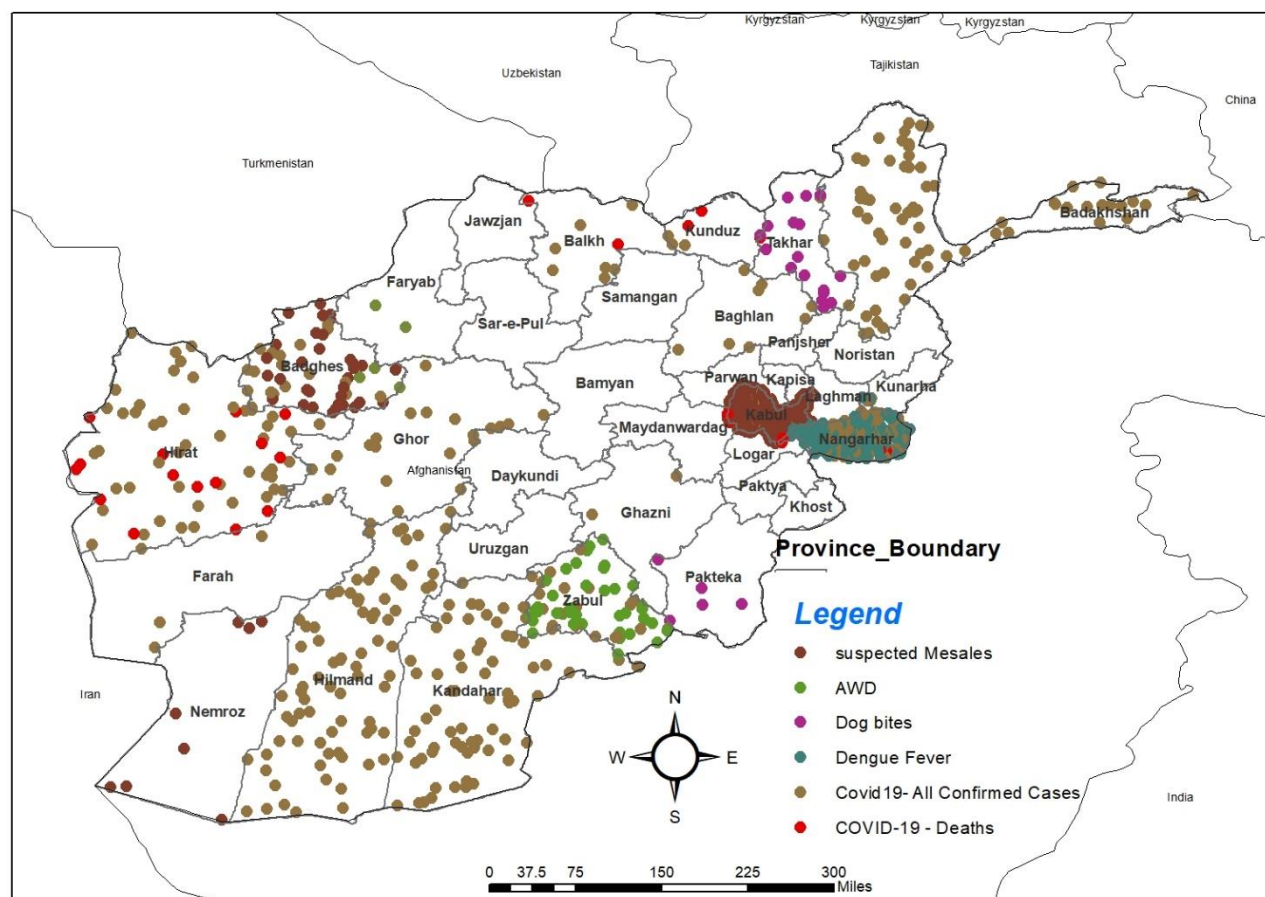


Table 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 16, October 2021)

| Disease/Event | Count of Disease/Event | Sum of Lab Confirm | Sum of total Cases | Sum of Total Deaths |
|----------------------------|------------------------|--------------------|--------------------|---------------------|
| Measles | 96 | 62 | 1053 | 35 |
| CCHF | 81 | 21 | 81 | 5 |
| Dog bites/Suspected Rabies | 12 | 0 | 74 | 0 |
| Pertussis | 4 | 0 | 38 | 0 |
| Scabies | 3 | 0 | 71 | 0 |
| Diphtheria | 3 | 0 | 6 | 1 |
| Acute Watery Diarrhea | 3 | 2 | 1925 | 8 |
| Food poisoning | 2 | 0 | 26 | 0 |
| COVID 19 | 1 | 1 | 103738 | 5071 |
| Tick bite | 1 | 0 | 9 | 0 |
| Mass psychogenic Illness | 1 | 0 | 16 | 0 |
| ARI | 1 | 0 | 11 | 0 |
| Unknown Poisoning | 1 | 0 | 12 | 3 |
| Acute Influenza | 1 | 1 | 5 | 0 |
| Chickenpox | 1 | 0 | 9 | 0 |
| Gas (CO) Poisoning | 1 | 0 | 18 | 0 |
| Dengue fever | 1 | 1 | 261 | 0 |
| Grand Total | 213 | 88 | 107353 | 5123 |

Laboratory surveillance:

A total of **2,859** specimens were collected and shipped to CPHL, regional and private labs. Out of which **260** specimens were confirmed for COVID-19, 07 specimens were confirmed for Dengue fever and 11 samples were confirmed for measles in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 41th 2021, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admissions, 169 (5.6%) Severe Acute Respiratory Infections cases were reported and 68% were under 5 years old. The proportion of SARI cases were slightly increased as compared to week 40th 2021. Four SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Bamyan (19%), Kapisa (16%) and Kabul (15%). In this epidemiological week, our field staff shipped 54 SARI and 35 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **2710** specimens were tested for suspected COVID-19. Out of which **260** samples were confirmed for COVID-19 by rtPCR. The cases have been managed either in the isolation wards or in home quarantine.

- COVID-19 cases were increased 19.8% compared to last week, (and 1.3 % lab samples positivity rate increased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is 22.8%, which decreased 6.1% compared to last week.
- Out of 479 contacts of 149 confirmed cases that were mostly family members with an average of 03 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 in the points of entry for fever, and health education was conducted for them, about **34,208** passengers have been screened for COVID-19 in the points of entry of five provinces (Herat, Kandahar, Kunduz, Nangarhar and Nimroz provinces).

Challenges:

- A new subtype of Delta variant AY.4.2 has been detected and is currently under monitoring globally, given the recent travel restrictions put in place in response by countries,
- Shortage of lab consumables in majority of the provinces for suspected COVID-19 and suspected cholera cases.
- COVID-19 cases lab samples positivity rate increased in east region especially in Nangarhar province
- Rapid Response Teams (RRTs) are not functional in majority of the provinces.
- AWD hospitalized cases, Dengue fever cases and Measles cases are increased compared to last two years.

Recommendations:

- COVID-19 surveillance system need to be strengthened and COVID-19 control committee should follow this issue strictly.
- Regular supply for lab consumables and kits for surveillance priority diseases including COVID-19 are needed and lab testing capacity needs to be strengthened and expanded to all the provinces.
- RRTs should be functional again, to support the outbreak investigation and response for COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies, (At least one RRT in each province should keep functional).
- Emergency supply and buffer stock is needed for all the provinces in the outbreak prone areas
- COVID-19 lab samples should be collected from all the provinces.
- **EPI:** As the system detected **293** suspected Measles cases, further prevention and control measures should be conducted by the EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.