



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-10<sup>th</sup>

Date: 03 to 09 Mar 2019

### Summary:

- Out of 634 functional Surveillance sentinel sites, 610(96.2%) have submitted reports this week.
- Out of a total of 562,942 new consultations, 191,498(34%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 128,983 cases, 22.9% out of total new consultations and Pneumonia, 29,112 cases, 5.2% out of total new consultations) and Acute Diarrheal Diseases, 31,119 cases, 5.5% out of total new consultations.
- A total of 243 deaths were reported this week, of which 56 were due to Surveillance targeted diseases, which includes 46 Pneumonia deaths, 05 Meningitis deaths, 03 Pregnancy related deaths reported from Lashkar gah, Herat and Mahmood raqi sentinel sites, one Acute Viral Hepatitis death and one Neonatal tetanus death.
- Total of 04 outbreaks reported this week; of which one was CCHF outbreak reported from Ghazni province, one Scabies outbreaks reported from Kunduz province, one Chickenpox outbreak reported from Nimroz province and one Measles outbreak reported from Khost province.

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

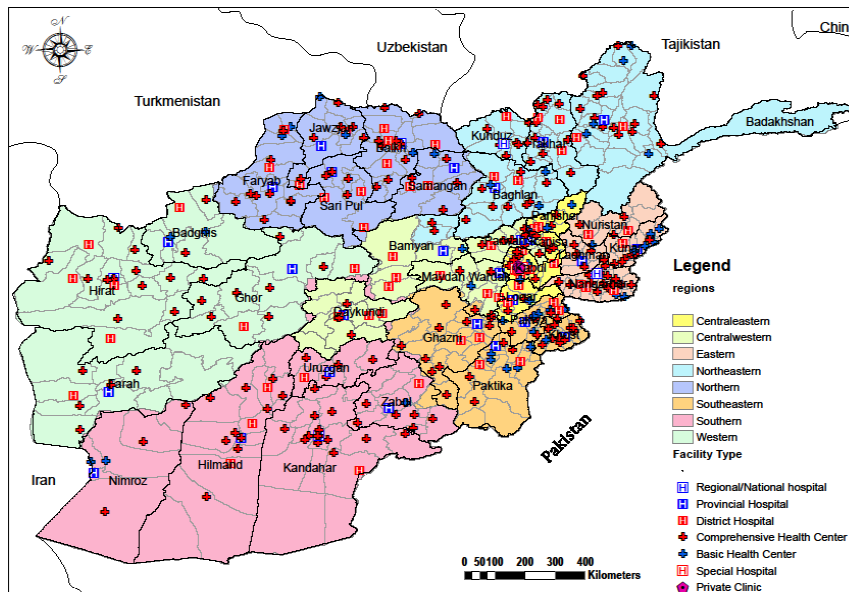


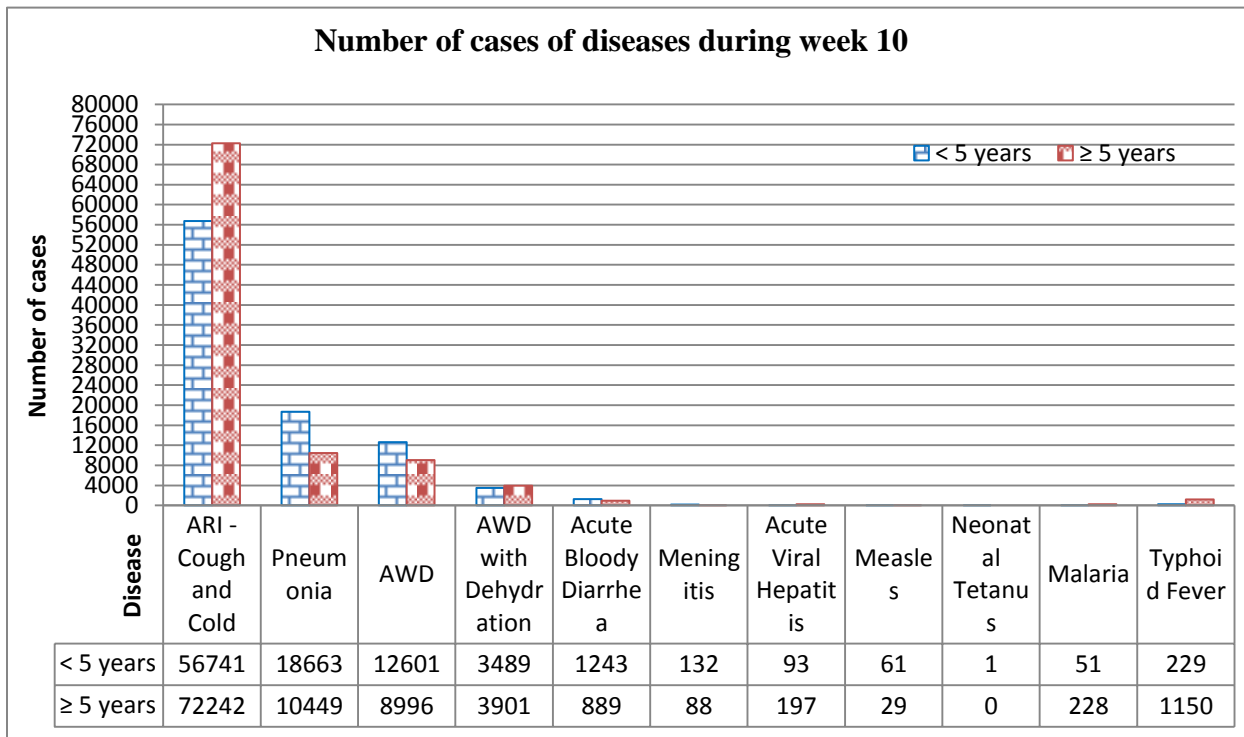
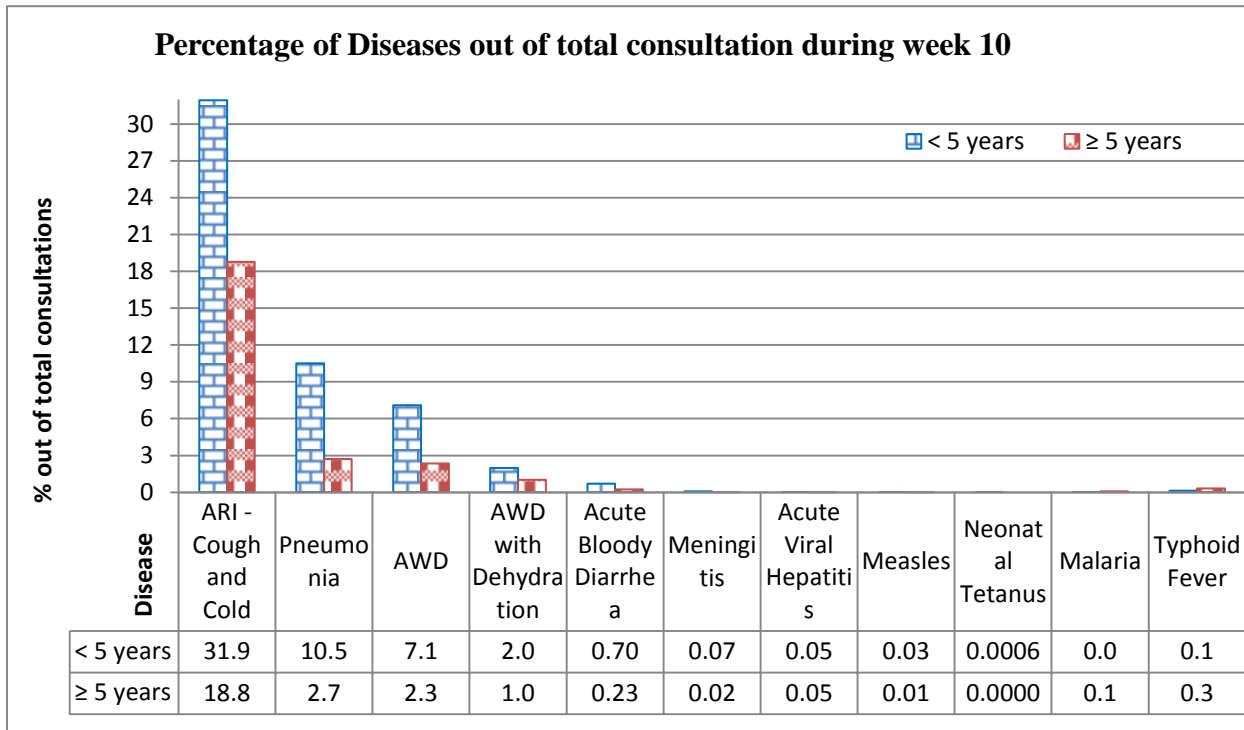
Table 1: Coverage of NDSR Surveillance System

| Type of Health Facility      | RH/PH | DH | CHC/BHC | Polyclinic | Private Hospital | Special Hospital | Sub center | Total |
|------------------------------|-------|----|---------|------------|------------------|------------------|------------|-------|
| Total Health Facilities (HF) | 34    | 80 | 1,239   | 1          | 293              | 29               | UN         | 1,676 |
| HF covered by NDSR-Plus      | 32    | 77 | 441     | 1          | 50               | 13               | 19         | 633   |

**Indicator – based Surveillance:**

The Indicator-based surveillance component of NDSR reports 15 priority infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and corresponding week 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: NDSR targeted diseases**

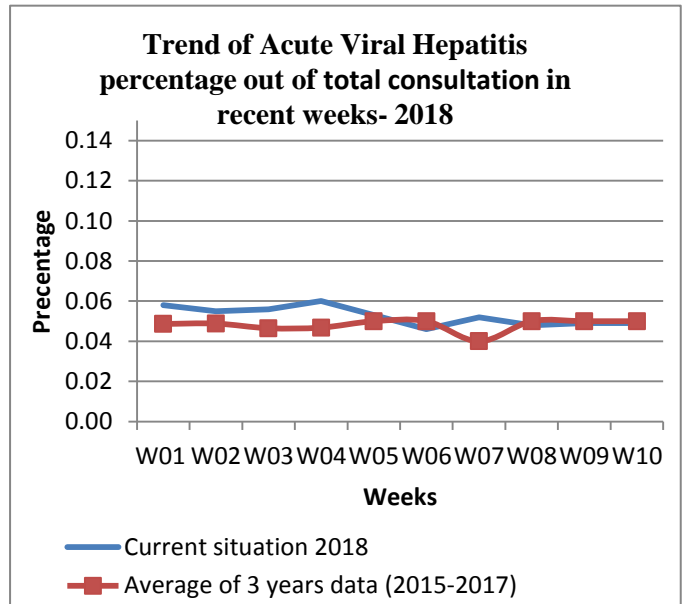
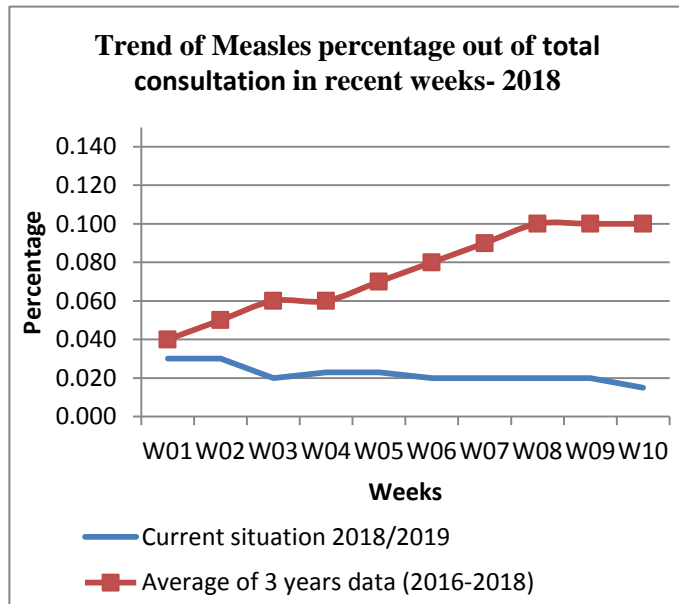
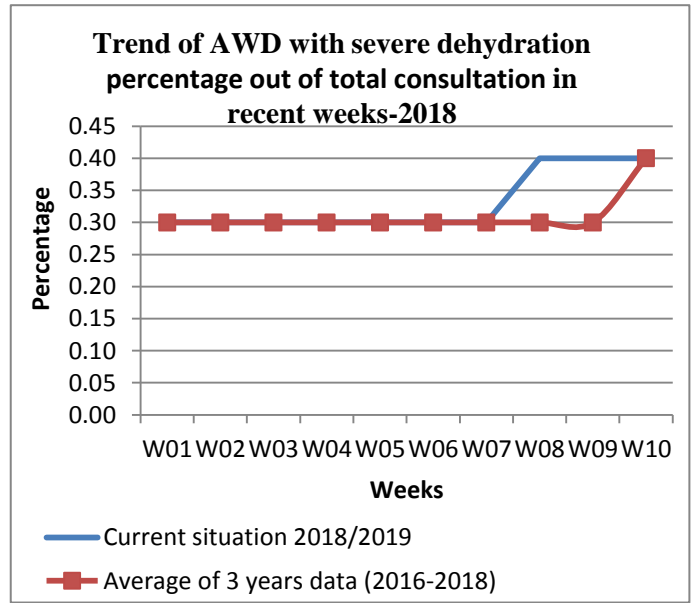
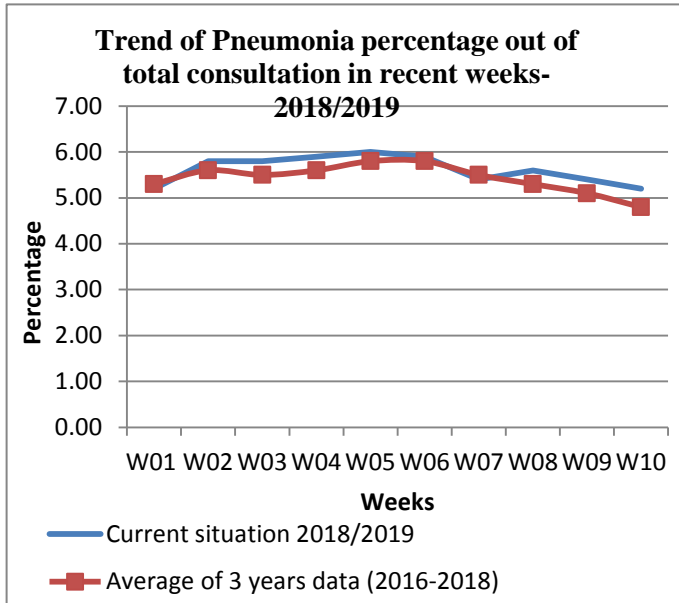


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 10<sup>th</sup>, 2019

| Diseases         | Cases    |           |       | Deaths   |           |       | CFR/100 |
|------------------|----------|-----------|-------|----------|-----------|-------|---------|
|                  | <5 years | ≥ 5 years | Total | <5 years | ≥ 5 years | Total |         |
| Measles          | 61       | 29        | 90    | 0        | 0         | 0     | 0.00    |
| Neonatal tetanus | 1        | 0         | 1     | 1        | 0         | 1     | 100.00  |

### Seasonal Diseases:



During week 10<sup>th</sup> total of 04 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

| Suspected CCHF Outbreak       |          |                  |                        |             |              |                                                                                                                                                                                                    |              |                                                                                                                                                                                                                                                                             |             |                                                                                                                                  |
|-------------------------------|----------|------------------|------------------------|-------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|
| Reported dated                | Province | District         | Village                | Total cases | Total deaths | Age                                                                                                                                                                                                | Occupation   | Recommendation/Action take                                                                                                                                                                                                                                                  |             |                                                                                                                                  |
| 2 March 2019                  | Ghazni   | Center of Ghazni | Shahrak                | 1           | 0            | 12 Y                                                                                                                                                                                               | Child        | During this week one suspected CCHF case was reported from Ghazni province, had probable contact with animals or the tissues of the animal, case management was done, health education sessions was conducted.<br>Case Fatality rate for CCHF was 0% (per 100) in this week |             |                                                                                                                                  |
| Suspected Scabies outbreak    |          |                  |                        |             |              |                                                                                                                                                                                                    |              |                                                                                                                                                                                                                                                                             |             |                                                                                                                                  |
| Reported dated                | Province | District         | Village                | Total cases | Total deaths | Recommendation/Action take                                                                                                                                                                         |              |                                                                                                                                                                                                                                                                             |             |                                                                                                                                  |
| 3 March 2019                  | Kunduz   | Dashte Archi     | Madrasah mawlawi qasim | 100         | 0            | In this week one Scabies outbreak was reported from Kunduz province, the outbreak was investigated, case management was done for all the cases, health education session was conducted as well.    |              |                                                                                                                                                                                                                                                                             |             |                                                                                                                                  |
| Suspected Chickenpox outbreak |          |                  |                        |             |              |                                                                                                                                                                                                    |              |                                                                                                                                                                                                                                                                             |             |                                                                                                                                  |
| Reported dated                | Province | District         | Village                | Total cases | Total deaths | Recommendation/Action take                                                                                                                                                                         |              |                                                                                                                                                                                                                                                                             |             |                                                                                                                                  |
| 9 March 2019                  | Nimroz   | Charborjak       | Kamal khan             | 7           | 0            | In this week one Chickenpox outbreak was reported from Nimroz province, the outbreak was investigated, case management was done for all the cases, health education session was conducted as well. |              |                                                                                                                                                                                                                                                                             |             |                                                                                                                                  |
| Suspected Measles outbreak    |          |                  |                        |             |              |                                                                                                                                                                                                    |              |                                                                                                                                                                                                                                                                             |             |                                                                                                                                  |
| Reported dated                | Province | District         | Village                | <5 cases    | ≥5 cases     | Total cases                                                                                                                                                                                        | Total deaths | coverage %                                                                                                                                                                                                                                                                  | Vaccination | Recommendation/Action take                                                                                                       |
| 3 March 2019                  | Khost    | Tani             | Dargi                  | 3           | 3            | 6                                                                                                                                                                                                  | 0            | 100%                                                                                                                                                                                                                                                                        | 65%         | In this week one Measles outbreak was reported from Tani district of Khost province, investigation was done, case management was |

|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                            |
|--|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |  | conducted for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education session was conducted as well. |
|--|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------|

Figure 3: Outbreaks investigated during the week 10<sup>th</sup>, 2019

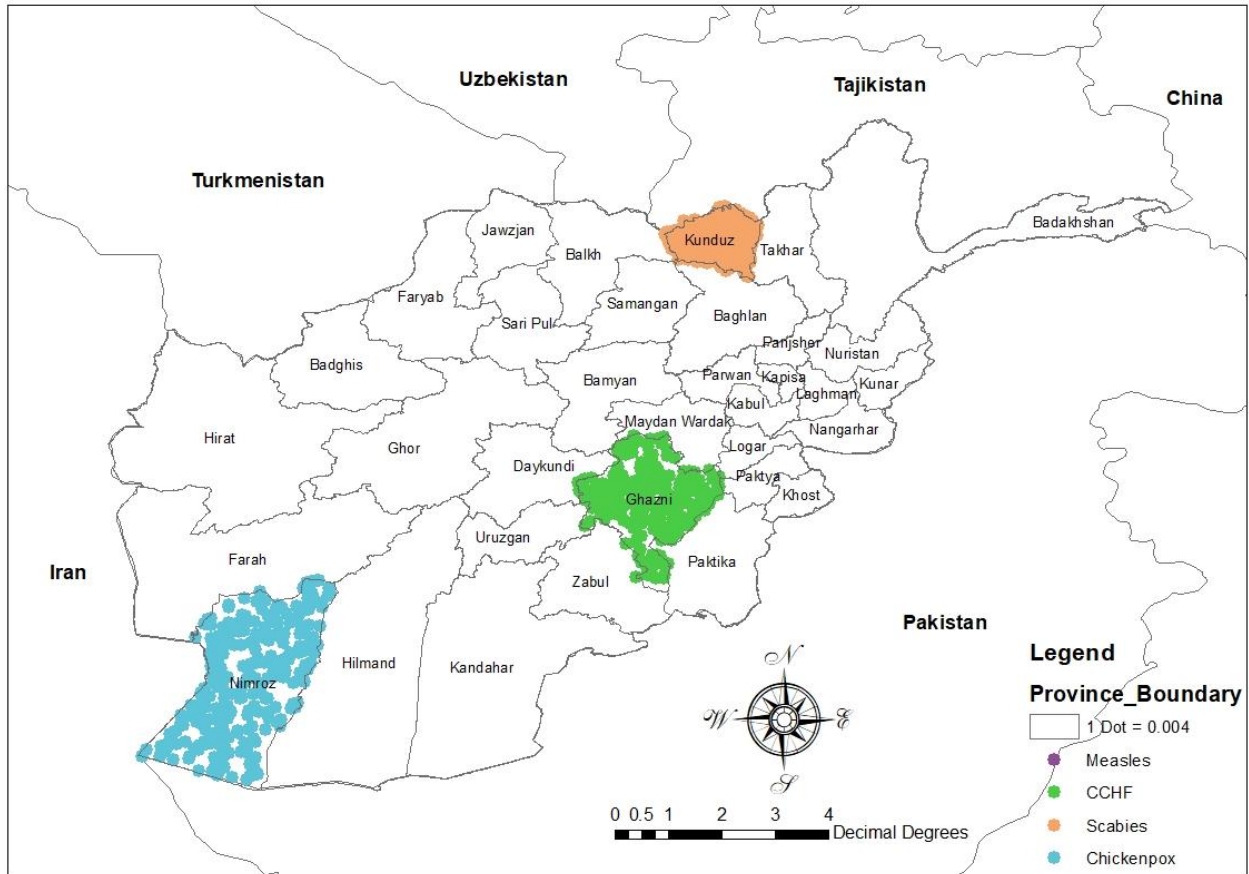


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 09 March 2019)

| Disease/event              | No. of outbreaks | No. of lab-confirmed Outbreaks | No. of cases | No. of deaths |
|----------------------------|------------------|--------------------------------|--------------|---------------|
| CCHF                       | 10               | 1                              | 10           | 1             |
| Measles                    | 8                | 6                              | 56           | 0             |
| Chickenpox                 | 5                | 0                              | 58           | 0             |
| Dog bites/Suspected Rabies | 4                | 2                              | 37           | 1             |
| Scabies                    | 3                | 0                              | 139          | 0             |
| Leishmaniasis              | 3                | 2                              | 85           | 0             |

|                       |           |           |             |          |
|-----------------------|-----------|-----------|-------------|----------|
| Coal Poisoning        | 2         | 0         | 8           | 2        |
| ARI                   | 1         | 0         | 629         | 0        |
| Acute Viral Hepatitis | 1         | 1         | 33          | 0        |
| Unknown Hemorrhagic   | 1         | 0         | 9           | 1        |
| Pneumonia             | 1         | 0         | 51          | 3        |
| Pertussis             | 1         | 0         | 2           | 0        |
| <b>Grand Total</b>    | <b>40</b> | <b>12</b> | <b>1117</b> | <b>8</b> |

#### **Laboratory surveillance:**

In this week a total of 117 different specimens/samples were received by CPHL, out of which 11 specimens were positive and 05 specimens were negative for Measles while the rest are under process. (Follow up by the CPHL is going on).

#### **Influenza Surveillance activity**

In Epidemiologic week 10, 2019, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Paktya, Nangarhar, and Baghlan). Out of all new hospital admission, 210(5.6%) Sever Acute Respiratory Infections cases were reported and 52 % of them were among under 5 years old. The proportion of SARI cases decreased than week 9, 2019. There were 5 SARI associated deaths reported in this week and most of them were among under 5 children.

In EPI week 10, our National Influenza Center (NIC) received 49 SARI and 32 ILI specimens from all 9 surveillance sites, all sample are under the process.

#### **Recommendations:**

The increase in the cases and deaths due to ARI-Pneumonia/SARI is the cause of concern; this should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.