



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-05th

Date: 26 Jan to 01 Feb 2020

Summary:

- Out of 530 functional Surveillance sentinel sites, 498(93.9%) have submitted reports this week.
- A total of 539,635 new consultations, 203,103(37.6%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 143,531 cases, 26.6% out of total new consultations and Pneumonia, 32,501 cases, 6% out of total new consultations, Acute Diarrheal Diseases, 25,458 cases, 4.8% out of total new consultations.
- A total of 314 deaths were reported this week, of which 73 were due to Surveillance targeted diseases, which includes 69 Pneumonia deaths, 02 Meningitis deaths, one Acute Viral Hepatitis death and one Tetanus death.
- A total of 06 outbreaks reported this week; of which 02 suspected Measles outbreaks reported from Helmand and Kandahar provinces, one Dog bite/suspected Rabies outbreak reported from Parwan province, one Acute Bloody Diarrhea outbreak reported from Kabul province, one Acute Viral Hepatitis outbreak reported from Laghman province and one Mumps outbreak reported from Wardak province.

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

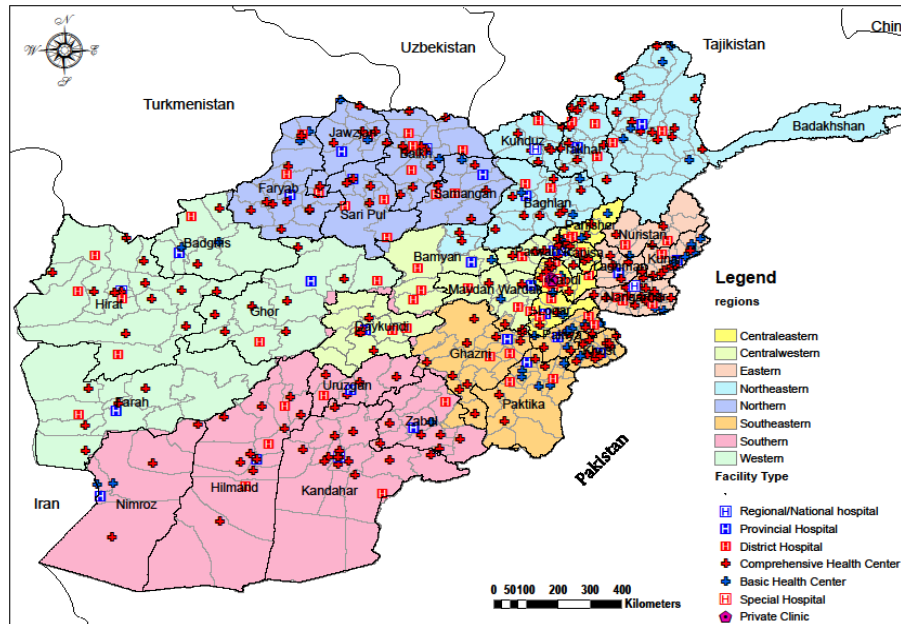


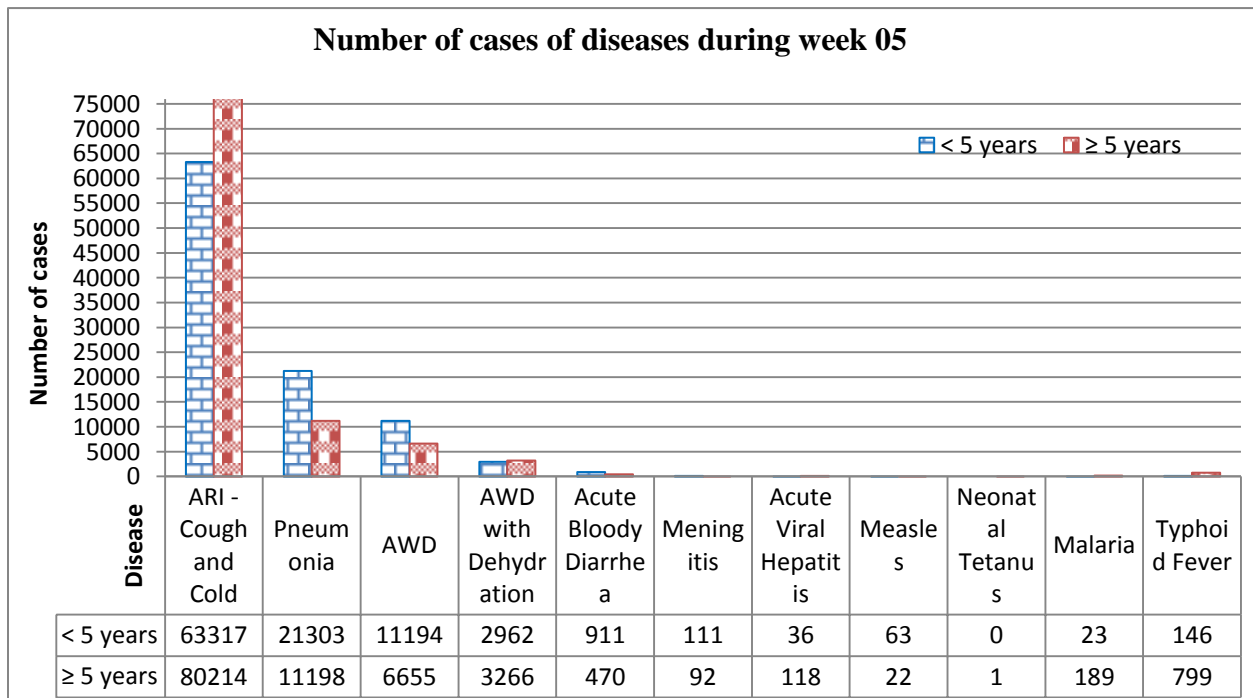
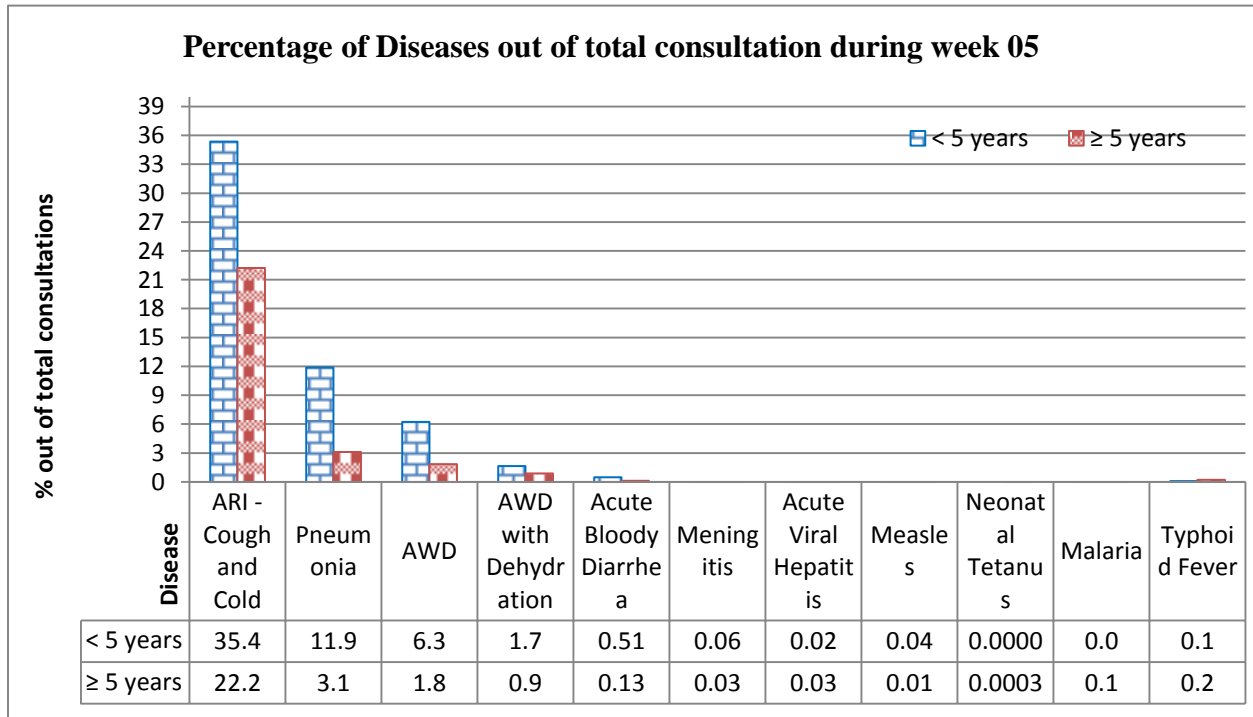
Table 1: Coverage of NDSR Surveillance System

| Type of Health Facility | RH/PH | DH | CHC/BHC | Special Hospital | Sub center | Other | Total |
|------------------------------|-------|----|---------|------------------|------------|-------|--------------|
| Total Health Facilities (HF) | 37 | 88 | 1,315 | 32 | 1075 | 1171 | 3,718 |
| HF covered by NDSR-Plus | 32 | 77 | 387 | 12 | 19 | 3 | 530 |

Indicator – based Surveillance:

The Indicator-based surveillance component of NDSR report 16 priority conditions/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

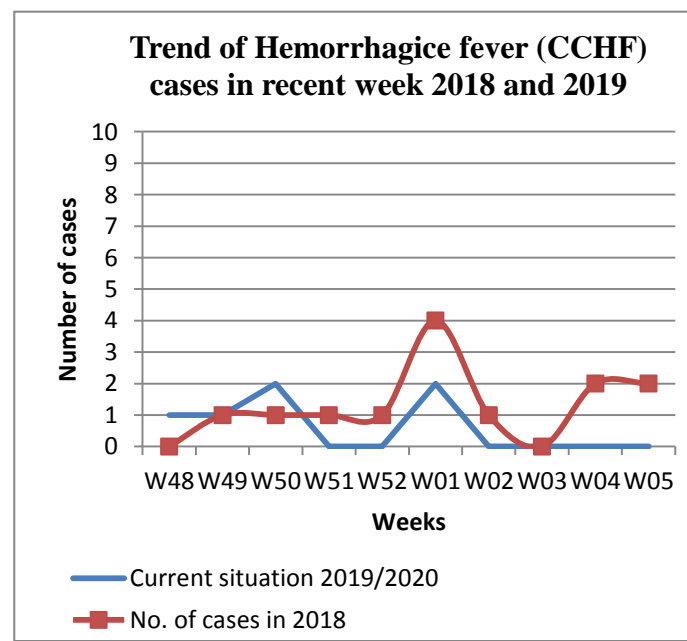
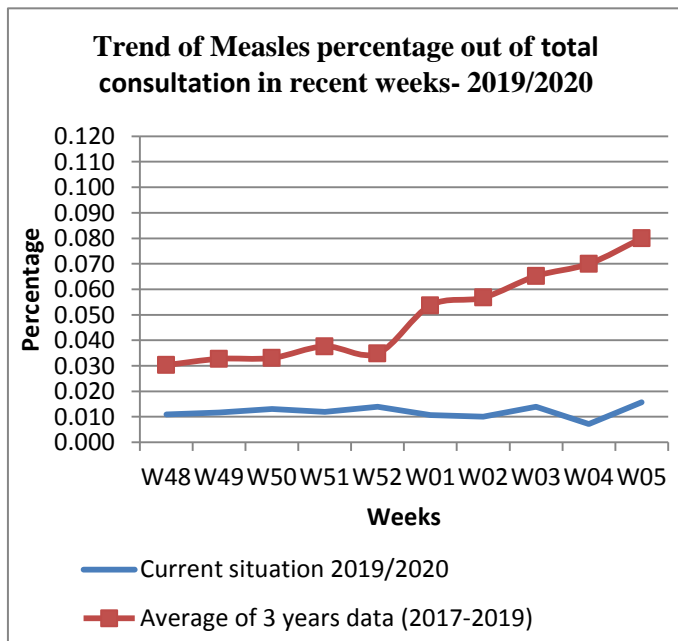
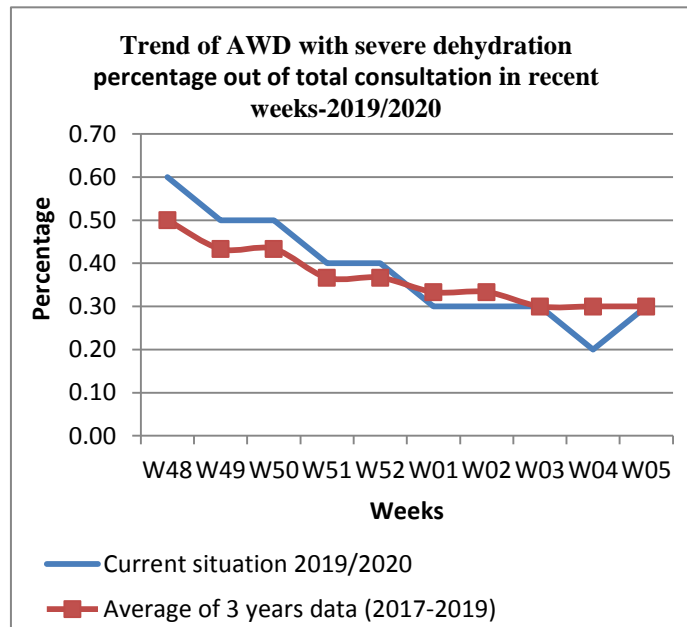
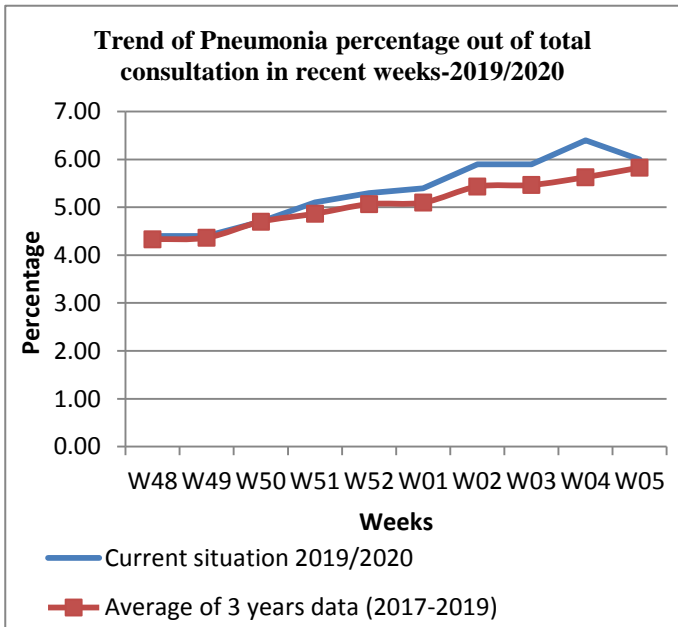


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 05th 2020

| Diseases | Cases | | | Deaths | | | CFR/100 |
|-----------|----------|-----------|-------|----------|-----------|-------|---------|
| | <5 years | ≥ 5 years | Total | <5 years | ≥ 5 years | Total | |
| Measles | 63 | 22 | 85 | 0 | 0 | 0 | 0.00 |
| Pertussis | 1 | 0 | 1 | 0 | 0 | 0 | 0.00 |
| Tetanus | 0 | 1 | 1 | 0 | 1 | 1 | 100.00 |

Seasonal Diseases:



During week 05th total of 06 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

| Suspected Measles / Outbreaks | | | | | | | | | | |
|-------------------------------|----------|------------|-------------|----------|----------|-------------|--------------|------------|-------------|--|
| Reported dated | Province | District | Village | <5 cases | ≥5 cases | Total cases | Total deaths | coverage % | Vaccination | Recommendation/Action take |
| 25 Jan 2020 | Kandahar | Spinboldak | Loykariz | 8 | 3 | 11 | 0 | 30 % | Low | In this week Two Measles outbreaks were reported from Kandahar & Helmand provinces. The cases were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, and health education sessions were conducted as well. |
| 26 Jan 2020 | Helmand | Narese raj | Da Adamkhan | 7 | 20 | 27 | 0 | 25 % | Low | |

Dog bites suspected Rabies Outbreak

| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
|----------------|----------|------------|------------|-------------|--------------|---|
| 30 Jan 2020 | Parwan | Jablesaraj | Khuja saed | 8 | 0 | In this week one Dog bites/sus. Rabies outbreak was reported from Parwan province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well. |

Acute Viral Hepatitis Outbreak

| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
|----------------|----------|------------|------------|-------------|--------------|--|
| 30 Jan 2020 | Laghman | Jablesaraj | Khuja saed | 8 | 0 | In this week one Acute viral Hepatitis outbreak was reported from Laghman province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well. |

Suspected Mumps Outbreak

| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
|----------------|----------|----------|---------|-------------|--------------|---|
| 27 Jan 2020 | Wardak | Chak | Shonia | 29 | 0 | In this week one Mumps outbreak was reported from Wardak province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well. |

Acute Bloody Diarrhea / Outbreak

| Reported dated | Province | District | Village | Total cases | Total deaths | Recommendation/Action take |
|----------------|----------|---------------|------------|-------------|--------------|--|
| 26 Jan 2020 | Kabul | Dashti barchi | Hasan Abad | 120 | 0 | In this week one Acute Bloody Diarrhea outbreak was reported from Kabul province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well. |

Figure 3: Outbreaks investigated during the week 05th, 2020

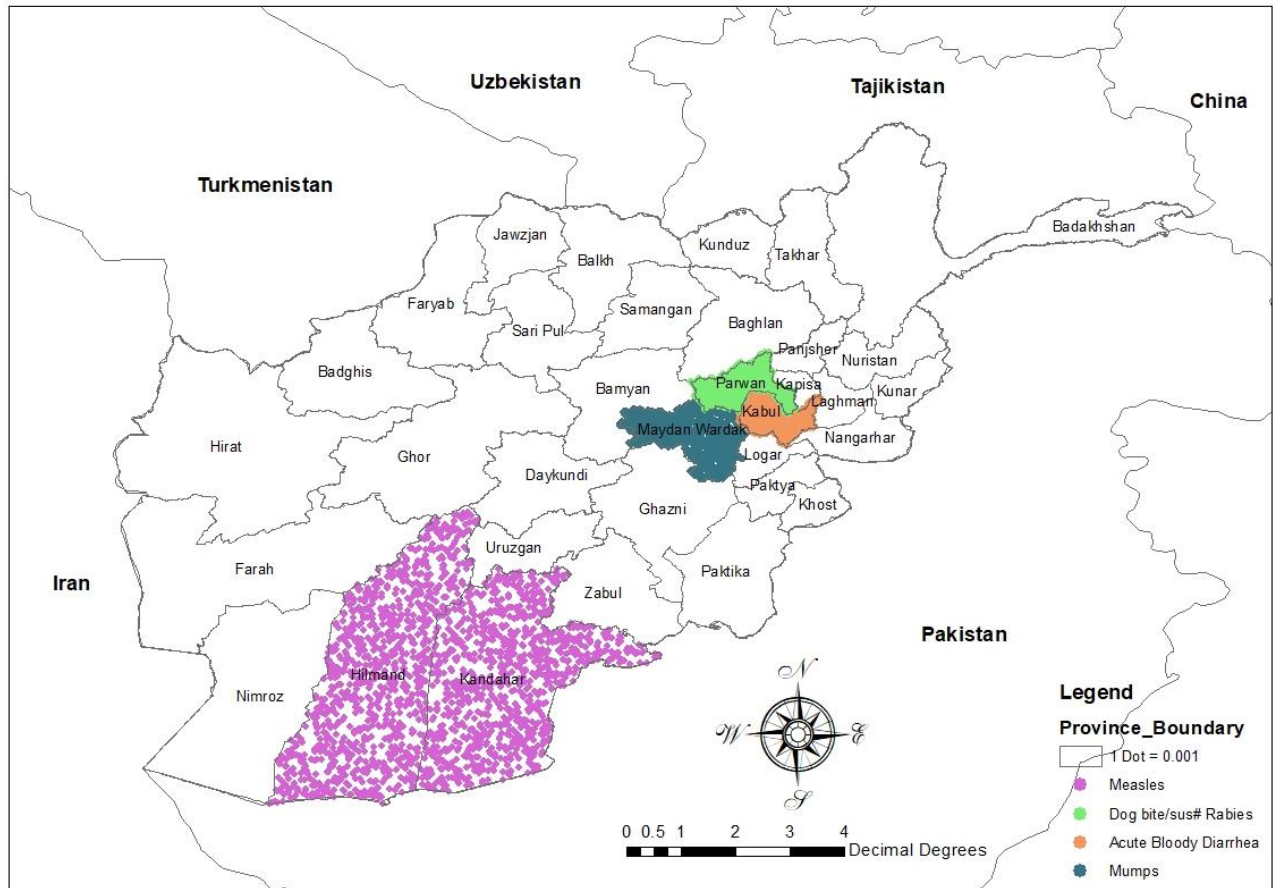


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 01 Feb 2020)

| Disease/Event | No. of outbreaks | No. of Lab confirmed outbreaks | No. of cases | No. of Deaths |
|----------------------------|------------------|--------------------------------|--------------|---------------|
| Measles | 4 | 0 | 49 | 0 |
| Scabies | 3 | 0 | 206 | 0 |
| Chickenpox | 3 | 0 | 42 | 0 |
| Pertussis | 3 | 0 | 7 | 0 |
| Dog bites/Suspected Rabies | 3 | 0 | 40 | 0 |
| CCHF | 2 | 0 | 2 | 0 |
| Mumps | 1 | 0 | 51 | 0 |
| Acute Bloody diarrhea | 1 | 0 | 120 | 0 |
| Acute Viral Hepatitis | 1 | 0 | 10 | 0 |
| Grand Total | 21 | 0 | 527 | 0 |

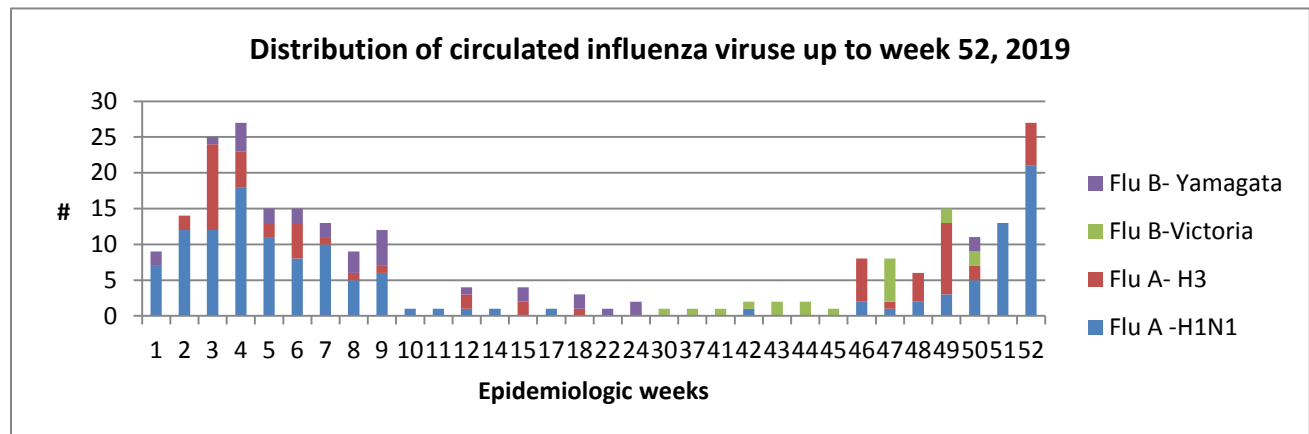
Laboratory surveillance:

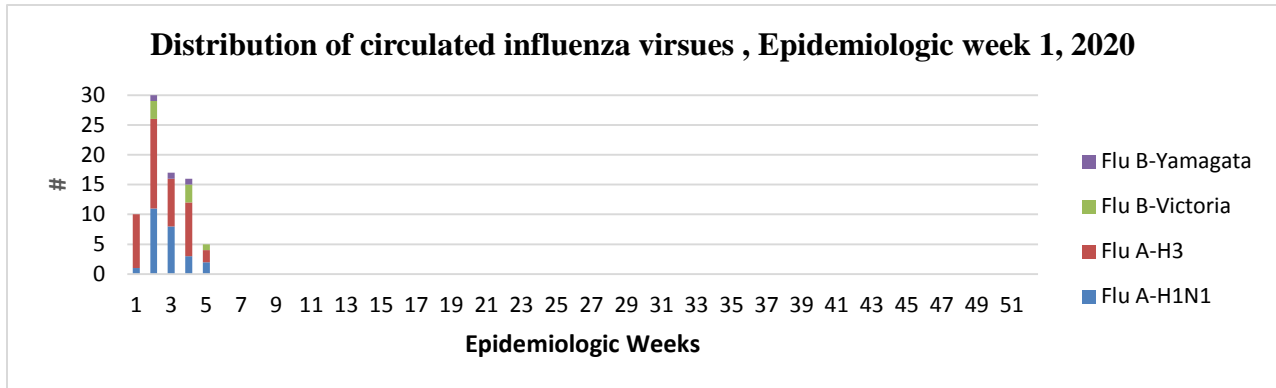
In this week a total of 95 different specimens/samples were received by CPHL, all specimens are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiological week 5th, 2020, 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 admission, 413(9%) Severe Acute Respiratory Infections cases were reported and 69% of them were among under 5 years old. The proportion of SARI cases was same as compared to week 4th, 2020. Seven SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (39%), followed by Kabul (25%) and Paktia (22%). In this Epidemiological week, our field staff sent 60 SARI and 36 ILI specimens to the National Influenza Center (NIC).

In week 05 , our NIC confirmed 05 influenza seasonal cases including 02 Flu-A H3 , 02 Flu A H1N1 pdm09 and 01 Flu-B Victoria . Please see the graph attached .





Preparedness on Novel Coronavirus 2019:

Following surveillance activities have been maintained to prevent nCOV 2019 in the country :

1. In all international airports and ground crossing borders, screening for passengers coming from China has been maintained, so far 469 passengers returned from china are screened.
2. The update data of nCOV 2019 at the global level is compiled and regularly shared with MOPH leadership and other stakeholders
3. National and international media are screened regularly.
4. Prepared the screening process algorithm and shared with surveillance provincial team
5. Developed the quarantine, isolation and contact tracing protocol in local language
6. Communication done with WHO reference labs to perform the confirmation test on our possible nCOV 2019 samples
7. Training sessions on nCOV 2019 are conducted in different provinces including Kabul

Recommendations:

- Screening for passengers coming from China should be strengthened in all international airports and ground crossing borders in Afghanistan.
- IEC messages prepared by MoPH should be shared with the general public in all the provinces
- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **EPI:** As the system detected 123 suspected Measles, one Pertussis and one Tetanus cases, further prevention, and control measures should be conducted by EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.