



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-07th

Date: 09 to 15 Feb 2020

Summary:

- Out of 520 functional Surveillance sentinel sites, 489(94%) have submitted reports this week.
- A total of 488,889 new consultations, 177,583 (36.3%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 122,783 cases, 25.1% out of total new consultations and Pneumonia, 28,884 cases, 5.9% out of total new consultations, Acute Diarrheal Diseases, 24,459 cases, 5% out of total new consultations.
- A total of 307 deaths were reported this week, of which 68 were due to Surveillance targeted diseases, which includes 56 Pneumonia deaths, 05 Acute Diarrheal Disease deaths, 04 Pregnancy-related death reported from Rabia Balkhi NH, Khost PH, Sharan PH, and Saripul PH sentinel sites, one Meningitis death, one Hemorrhagic fever death and one Acute Viral Hepatitis death.
- A total of 06 outbreaks reported this week; of which 02 suspected Measles outbreaks reported from Laghman and Nuristan provinces, one CCHF outbreak reported from Kunar province, one Pneumonia outbreak reported from Badakhshan province, one Pertussis outbreak reported from Baghlan province and one Chickenpox outbreak reported from Sari-e-pul province.

Figure 1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility

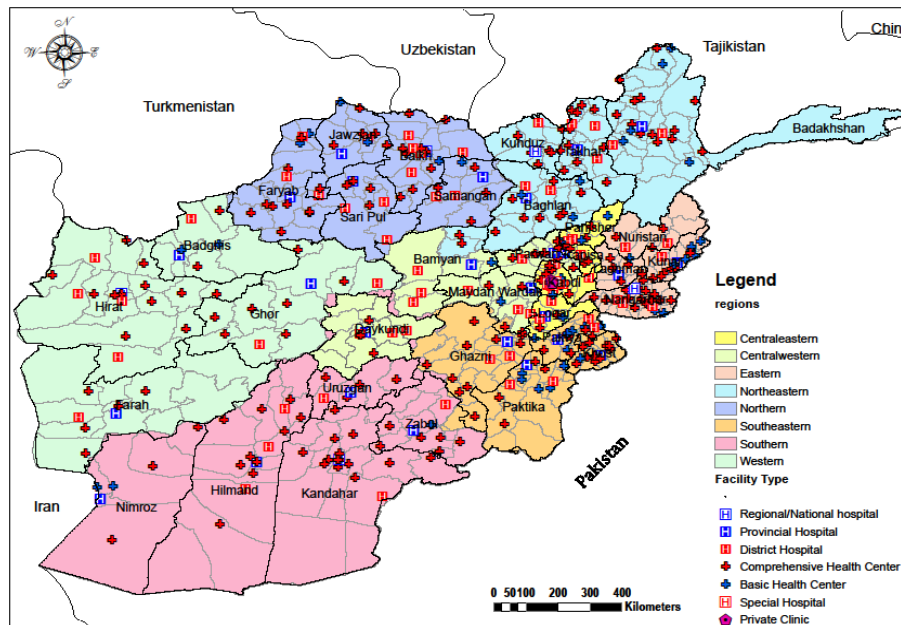


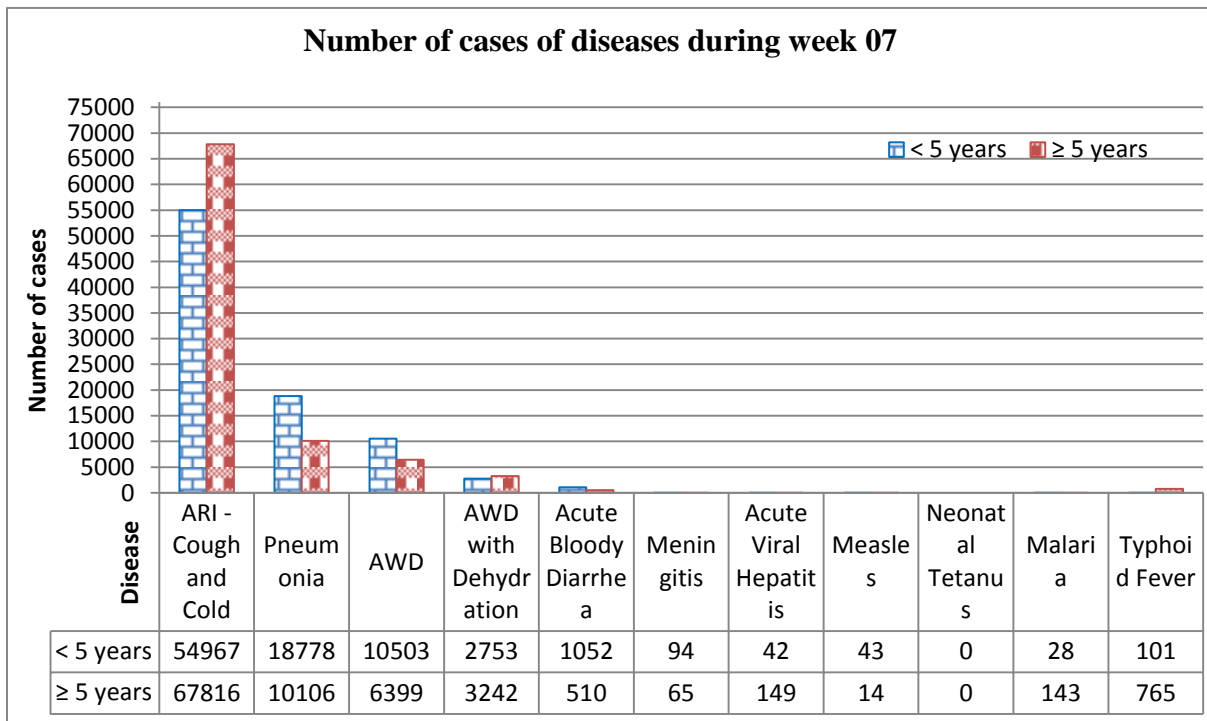
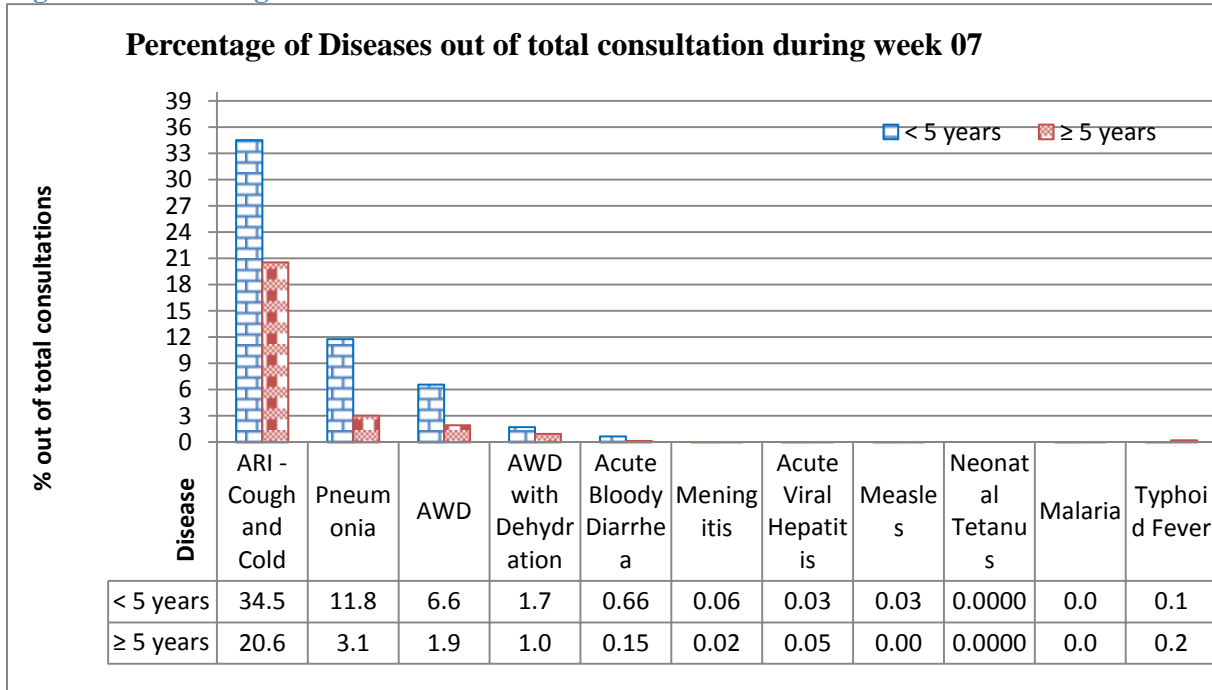
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	3,718
HF covered by NDSR-Plus	32	77	396	12	3	520

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 the 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

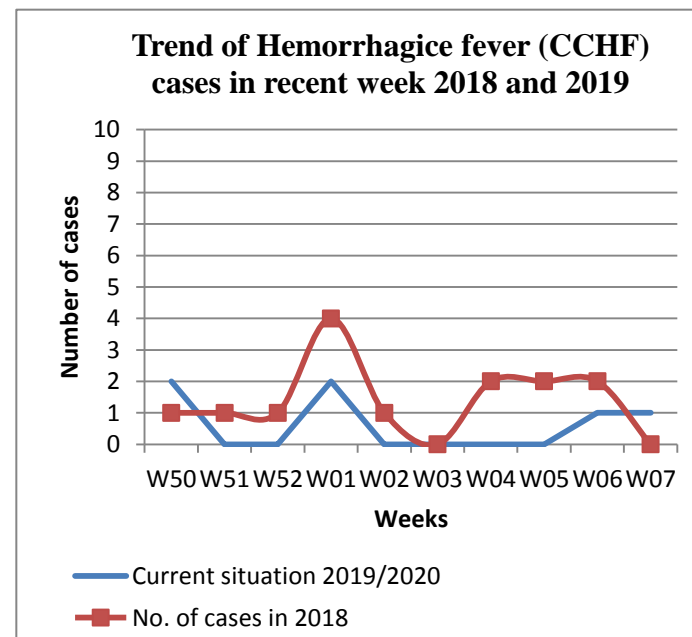
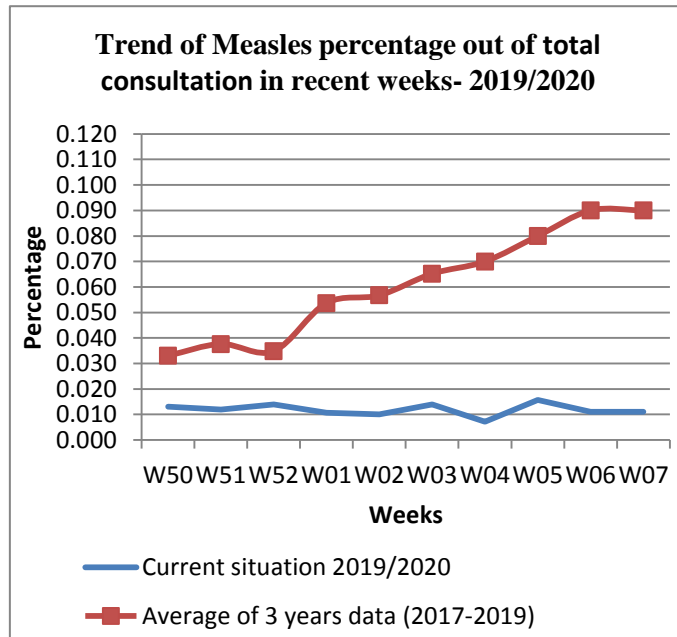
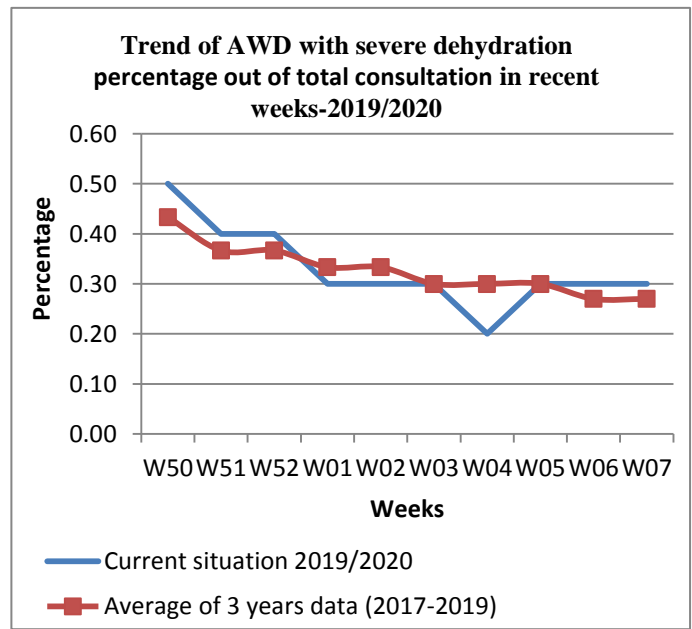
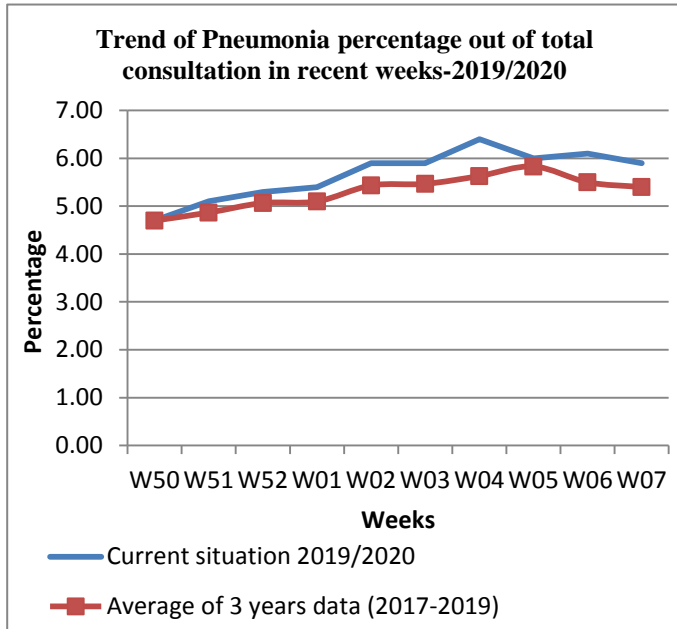


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 07th 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	43	14	57	0	0	0	0.00
Pertussis	2	0	2	0	0	0	0.00

Seasonal Diseases:



During week 07th 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
11 Feb 2020	Nuristan	Bargimatal	Bargimatal	5	2	7	0	75 %	Low	In this week 02 Measles outbreaks were reported from Nuristan and Laghman 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.
12 Feb 2020	Laghman	Mehteram	Younas	11	0	11	0	90 %	Low	
Suspected CCHF Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
14 Feb 2020	Kunar	Watapor	Watapor	1	1	12 Y	Housewife	During this week one suspected CCHF case was reported from, Kunar province, had probable contact with animals or the tissues of the animal, case management was done, health education sessions was conducted, unfortunately the patient died`		
Suspected Pertussis Outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
8 Feb 2020	Baghlan	Doshi	Takak	7	6	13	0	82%	Low	In this week one Pertussis outbreak was reported from Baghlan province. 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 session was conducted as well.
Suspected Chickenpox Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				

12 Feb 2020	Sar-e-pul	Sar-e-pul city	Center	22	0	In this week one Chickenpox outbreak was reported from Sari-e-pul province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.
Suspected Pneumonia Outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
5 Feb 2020	Badakhshan	Wakhan	5 Deferent villages	126	35	In this week one suspected Pneumonia outbreak was reported from Badakhshan province, the outbreak was investigated, case management was done for all the cases, and Health education is done and the investigation and treatment teams visited affected villages door to door and. the patient's treated and collected epidemiological information. Finally, 126 suspected cases including 35 deaths among different age categories in 5 villages line listed, 8 Nasopharyngeal swab in VTM for virus's detection and 8 samples in Cary Blair collected for other microorganisms' detection and confirmation. The collected samples sent to CPHL for necessary tests and confirmation

Figure 3: Outbreaks investigated during the week 07th, 2020

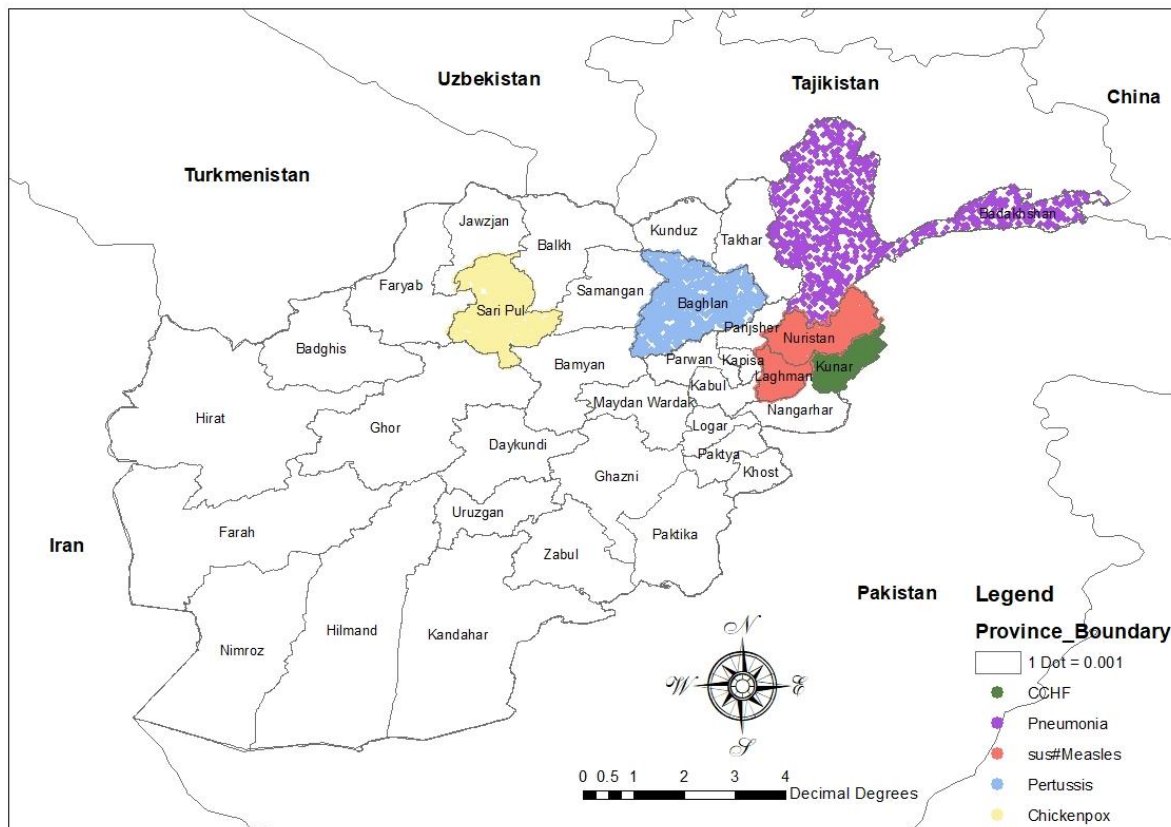


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 15 Feb 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	7	1	79	0
CCHF	4	0	4	1
Chickenpox	4	0	64	0
Pertussis	4	0	20	0
Dog bites/Suspected Rabies	4	0	53	0
Scabies	3	0	206	0
Pneumonia	2	0	208	46
Mumps	1	0	51	0
Acute Bloody diarrhea	1	0	120	0
Acute Viral Hepatitis	1	0	10	0
Grand Total	31	1	815	47

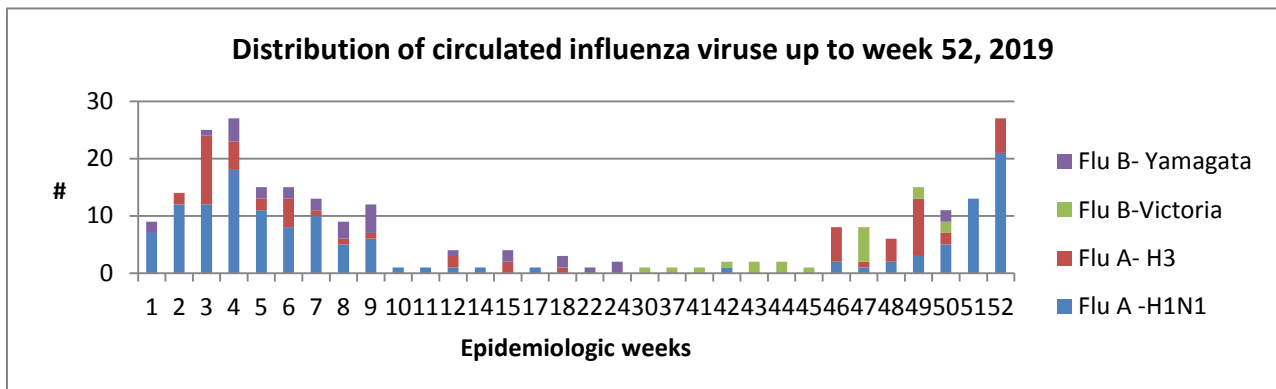
Laboratory surveillance:

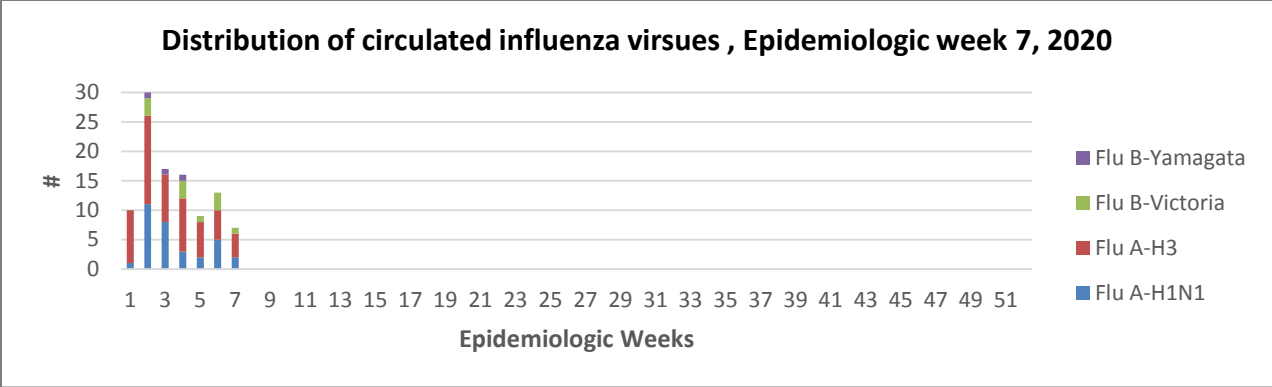
In this week a total of 137 different specimens/samples were received by CPHL, out of which 07 specimens were positive for Viral Hepatitis while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiological week 7th, 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, **359(8%)** Severe Acute Respiratory Infections cases were reported and **74%** of them were among under 5 years old. The proportion of SARI cases was decreased compared to week 6th, 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 (40%), followed by Kabul (39%) and Paktia (19%). In this Epidemiological week, our field staff sent 58 SARI and 35 ILI specimens to the National Influenza Center (NIC).

In week 07, our NIC confirmed 07 seasonal influenza cases , 04 Flu-A H3, 02 Flu-A H1N1 and 01 Flu-B Victoria.





Surveillance activities on Novel Coronavirus 2019 Surveillance

1. During week 07, we have maintained the thermal screening in following Point of Entries (POEs) for the passengers who are coming from China using the update case definition for COVID-19:

• Hamid Karzai International Airport	• Hirataan Port, Balkh
• Herat International Airport	• Islam Qala Port, Herat
• Mazer-e-Sharif International Airport	• Milak Port, Nimroz
• Kandahar International Airport	• Torghundi Port, Herat
• Torkham Port, Nangarhar	• Badakhshan Ports
• Shirkhan Port, Kunduz	• Aaaqina Port, Faryab
• Spin Boldak Port, Kandahar	

2. Follow up of the passengers who came from China: Surveillance department used the contact number of the passengers registered during the screening, an active follow up about their health condition and any clinical symptoms was done via phone.
3. COVID-19 Lab PCR tests are available in CPHL, for seven suspected cases lab tests were conducted, fortunately all were negative for COVID-19.

Recommendations:

- All the BPHS /EPHS health facilities should receive the surveillance new case definition of COVID-19 from the provincial surveillance officers
- Screening for the passengers coming from China and Iran countries should be strengthened in all international airports and ground crossing borders in Afghanistan
- Health education session on COVID-19 should be conducted in all the HFs in the provinces
- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **CDC/MAIL:** As the system detected one suspected CCHF case in this week, therefore further prevention and control measures can be conducted by CDC/MAIL.
- **EPI:** As the system detected 75 suspected Measles and 02 suspected Pertussis cases, further prevention and control measures should be conducted by EPI team.
- **RH:** 04 Pregnancy-related deaths reported from Rabia Balkhi NH, Khost PH, Sharan PH, and Saripul PH sentinel sites which need the follow up by the assigned maternal death review committees.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.