



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-06<sup>th</sup>

Date: 02 to 08 Feb 2020

### Summary:

- Out of 520 functional Surveillance sentinel sites, 500(96.2%) have submitted reports this week.
- A total of 530,117 new consultations, 200,064(37.7%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 139,860 cases, 26.4% out of total new consultations and Pneumonia, 32,408 cases, 6.1% out of total new consultations, Acute Diarrheal Diseases, 26,315 cases, 4.9% out of total new consultations.
- A total of 276 deaths were reported this week, of which 72 were due to Surveillance targeted diseases, which includes 56 Pneumonia deaths, 09 Pregnancy-related deaths reported from Rabia Balkhi, Ghazni, Bamyan, Qala-e-now, Rustaq and Faizabad sentinel sites, 05 Meningitis deaths, one Acute Watery Diarrhea death and one Measles death.
- A total of 04 outbreaks reported this week; of which one CCHF outbreak reported from Helmand province, one Measles outbreak reported from Zabul province, one Pneumonia outbreak reported from Badakhshan province and one Dog bite/suspected Rabies outbreak reported from Herat province.

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

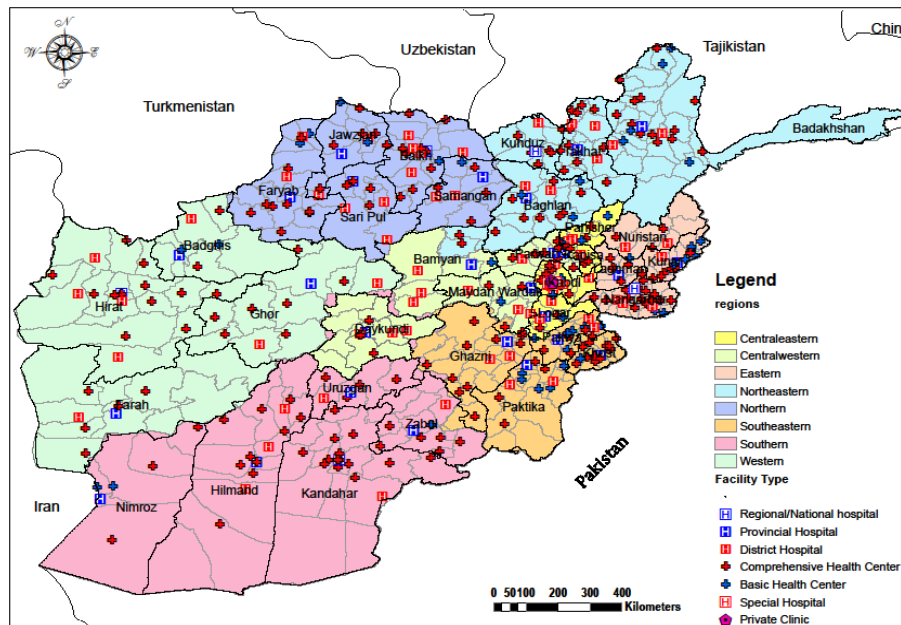


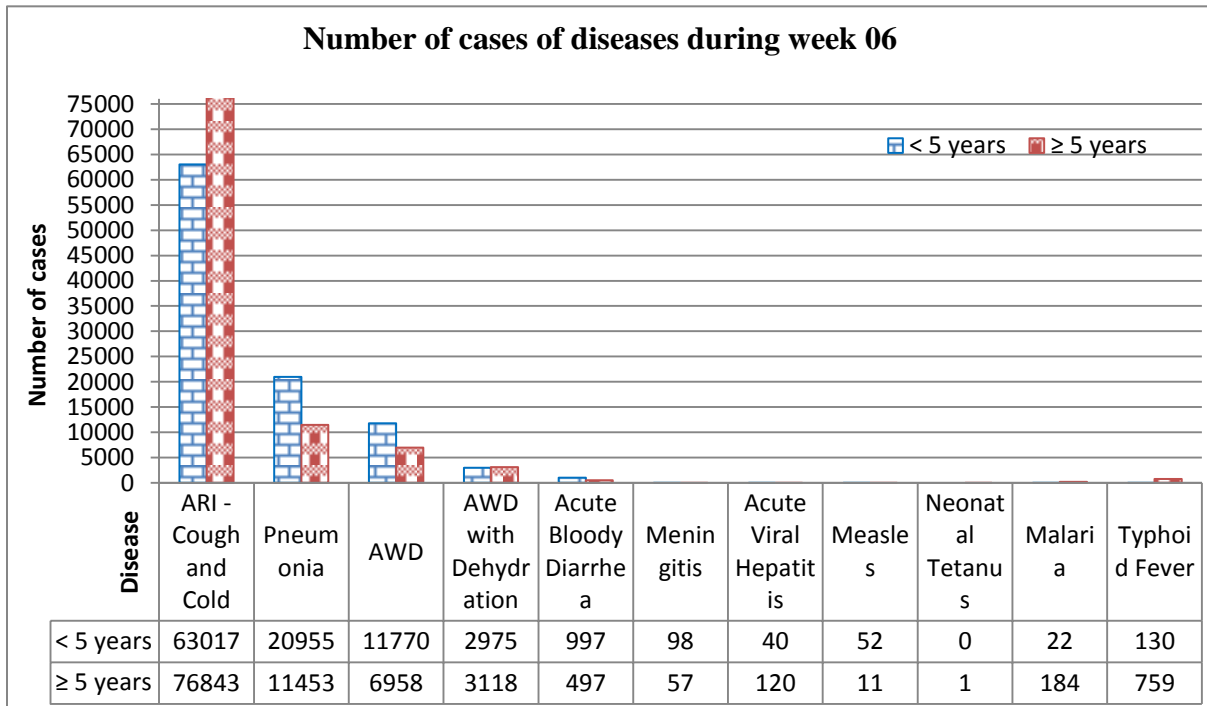
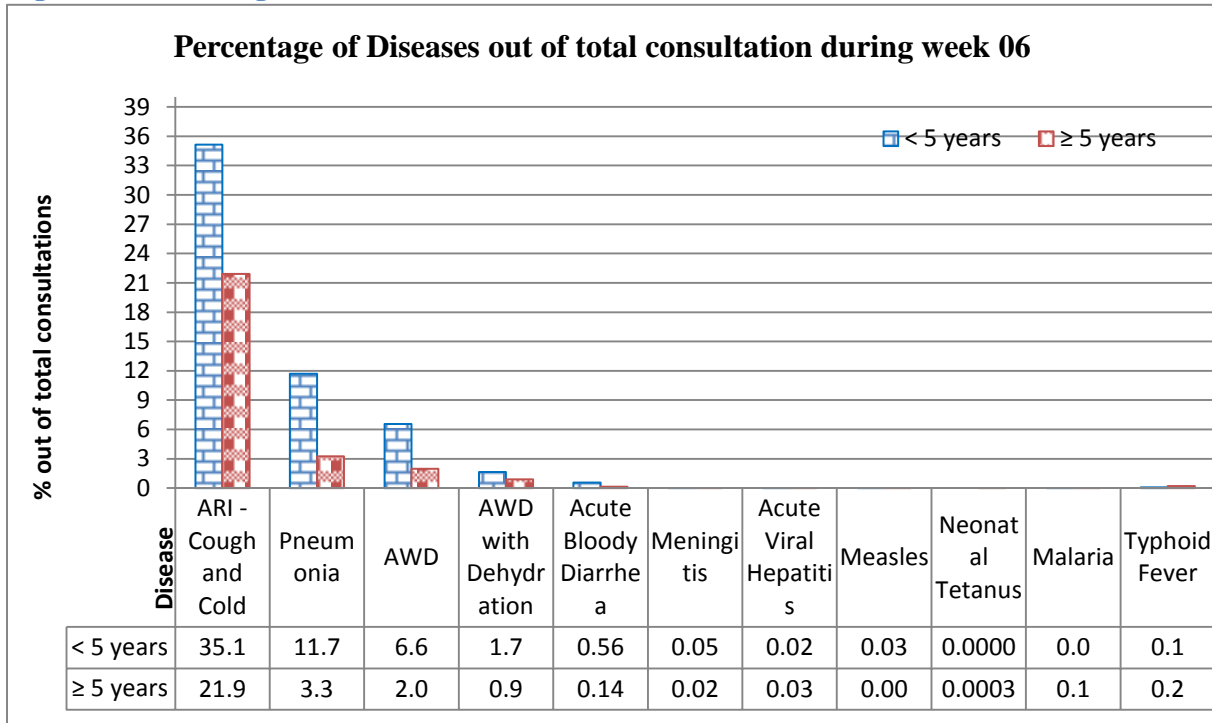
Table 1: Coverage of NDSR Surveillance System

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

**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**

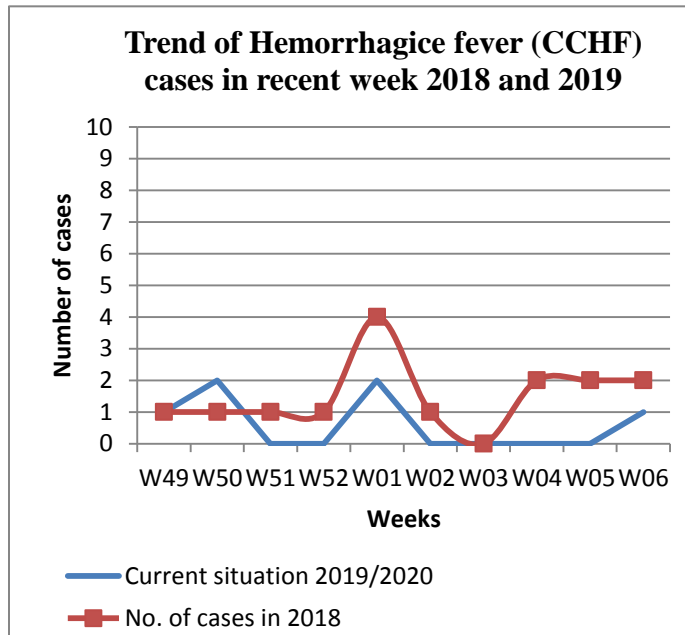
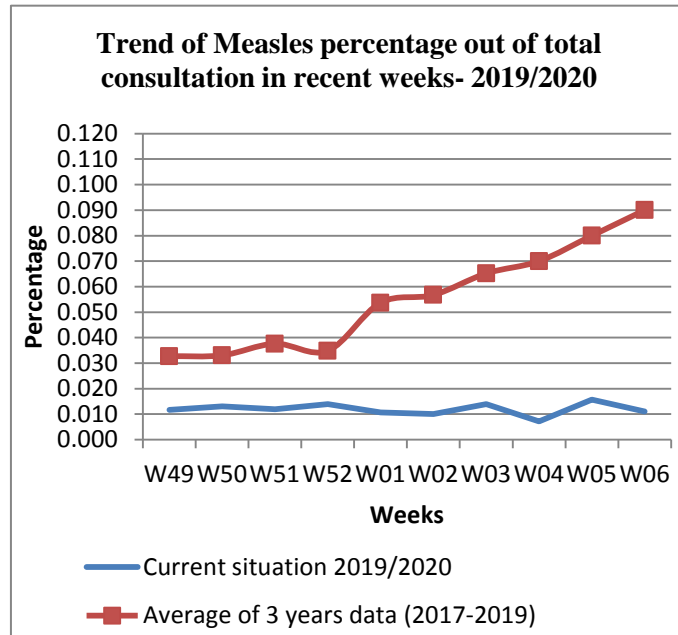
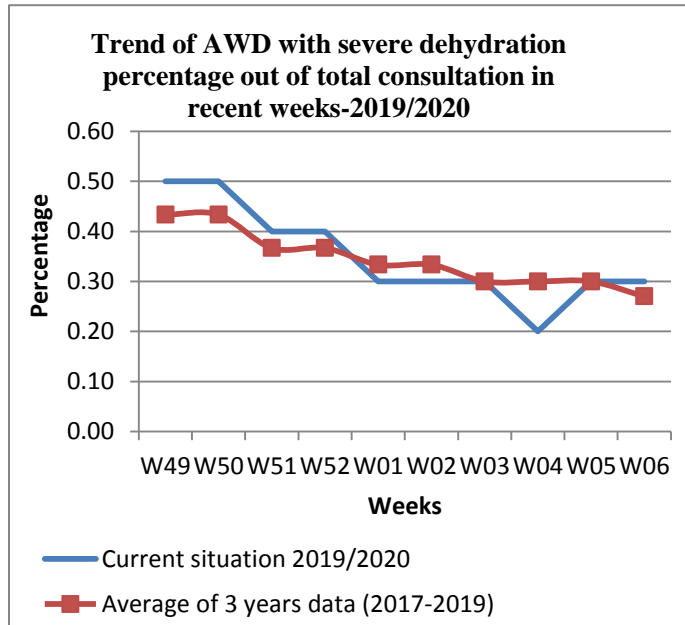
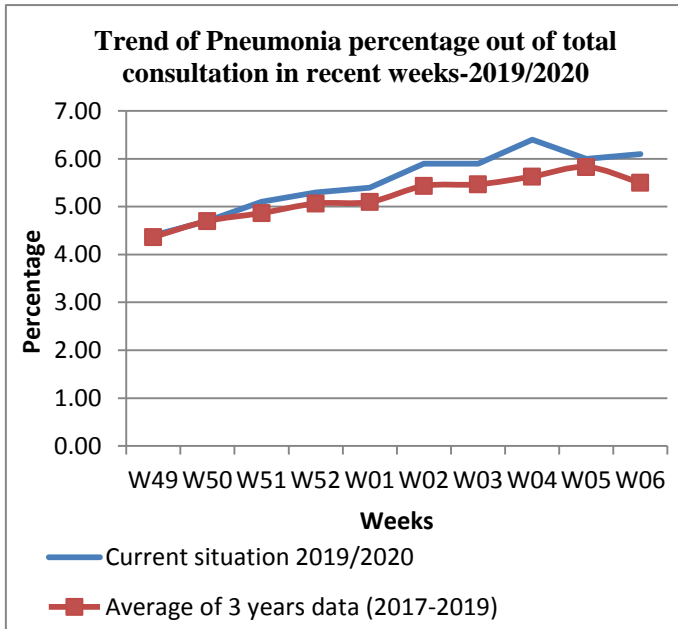


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 06<sup>th</sup> 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	52	11	63	1	0	1	1.59
Pertussis	0	1	1	0	0	0	0.00

### Seasonal Diseases:



During week 06<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		
4 Feb 2020	Helmand	Lashkar gah	Safian	1	0	22	Housewife	During this week one suspected CCHF case was reported from, Helmand province, had probable contact with animals or the tissues of the animal, case management was done, health education sessions was conducted.		
Suspected Measles Outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
2 Feb 2020	Zabul	Shahre safa	Dangar khil	6	6	12	0	36 %	Low	In this week one Measles outbreak was reported from Zabul province. The outbreak was 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.
Dog bites/suspected Rabies Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
4 Feb 2020	Hirat	Hirat city	Pashm	13	0	In this week one Dog bites/Sus. Rabies outbreak was reported from Herat 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	Youngan	Ushangan	82	11	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 session was conducted as well.				

Figure 3: Outbreaks investigated during the week 06<sup>th</sup>, 2020

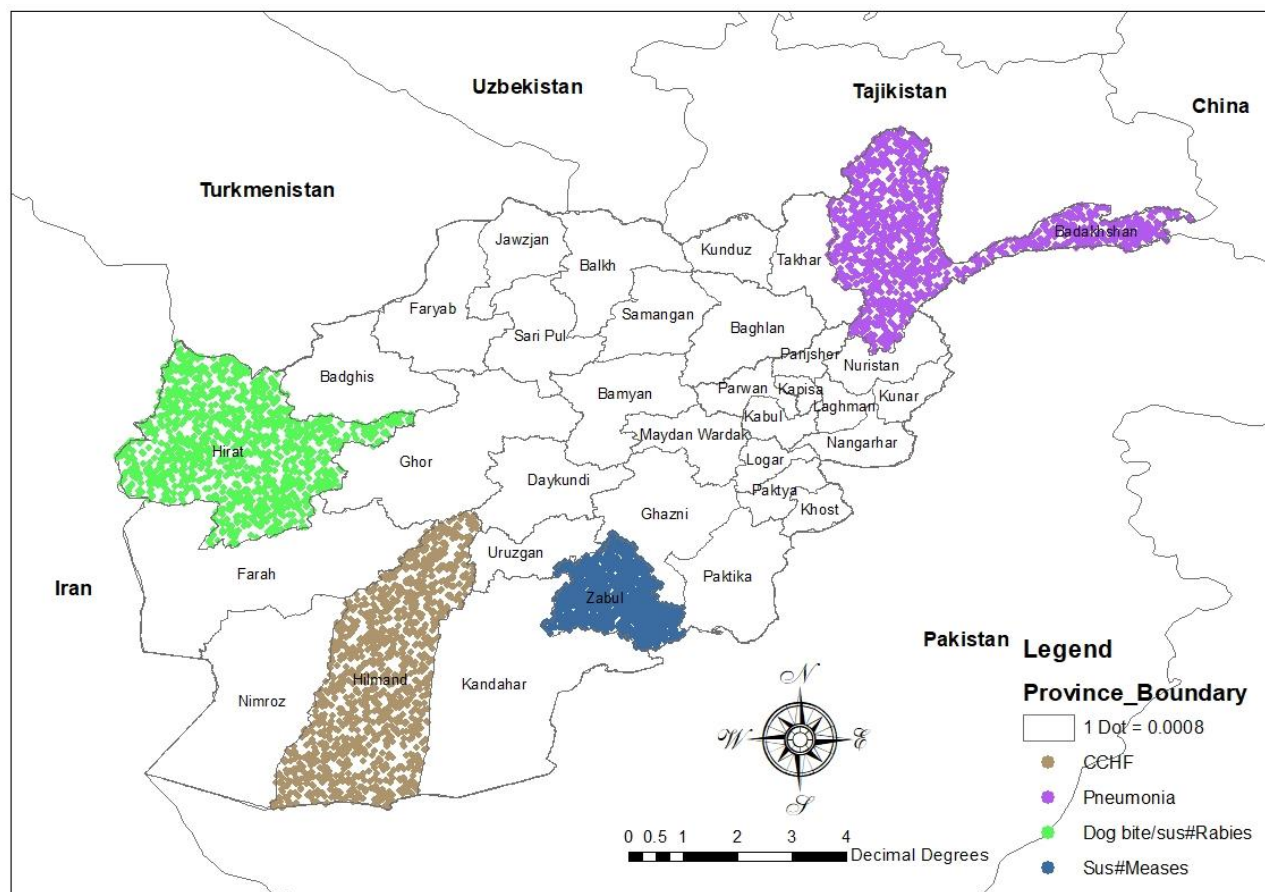


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 08 Feb 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	5	1	61	0
Dog bites/Suspected Rabies	4	0	53	0
CCHF	3	0	3	0
Chickenpox	3	0	42	0
Scabies	3	0	206	0
Pertussis	3	0	7	0
Mumps	1	0	51	0
Acute Viral Hepatitis	1	0	10	0
Acute Bloody diarrhea	1	0	120	0
Pneumonia	1	0	82	11
<b>Grand Total</b>	<b>25</b>	<b>1</b>	<b>635</b>	<b>11</b>

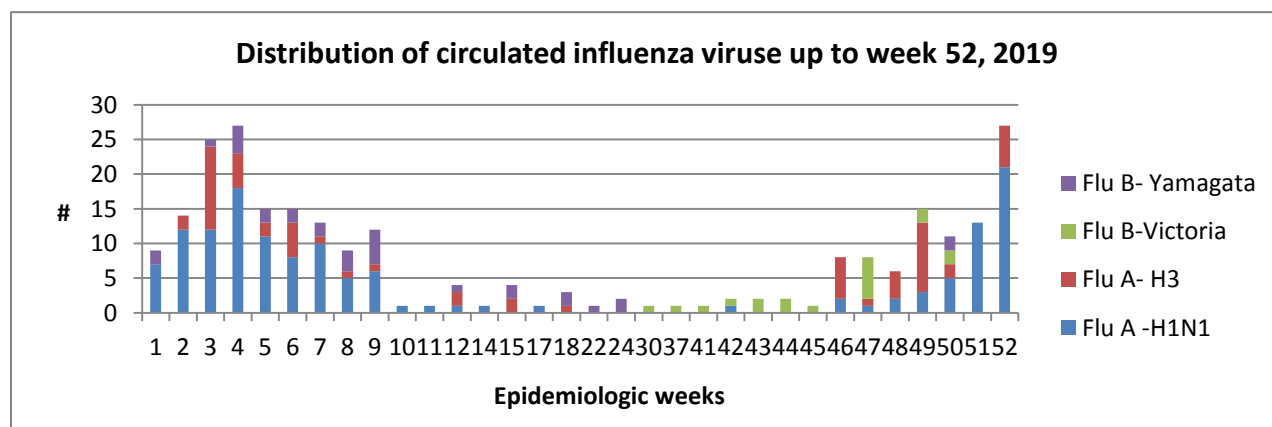
### Laboratory surveillance:

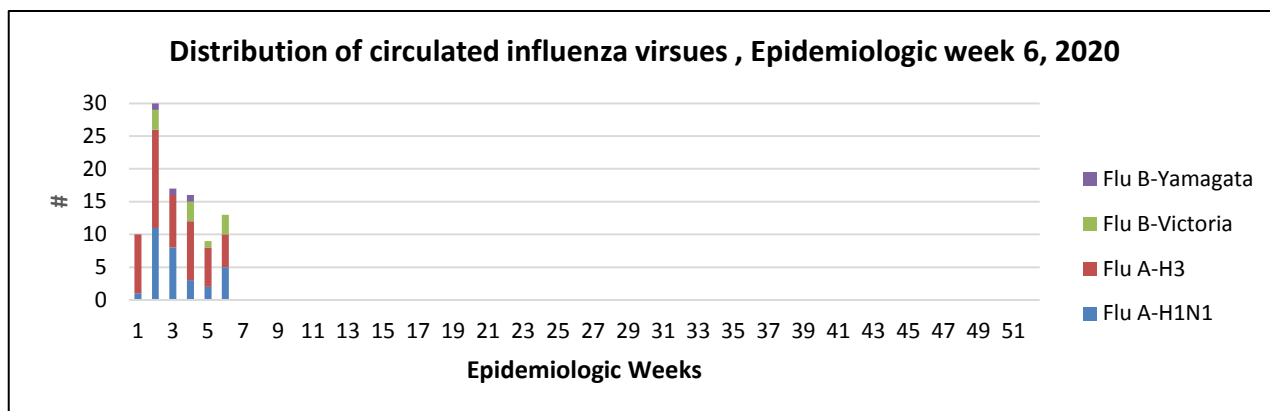
In this week a total of 109 different specimens/samples were received by CPHL, out of which 02 specimens were positive for Rubella and 01 specimen was positive for Measles while the rest are under process. (Follow up by the CPHL is going on).

### Influenza Surveillance activity

In Epidemiological week 6th, 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(10%) Severe Acute Respiratory Infections cases were reported and 68% of them were among under 5 years old. The proportion of SARI cases was increased as compared to week 5th, 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 (38%), followed by Kabul (29%) and Paktia (26%). In this week, our field staff sent 59 SARI and 37 ILI specimens to the National Influenza Center (NIC).

In this week, our NIC confirmed 05 Flu-A H1N1, 05 Flu-A H3 and 03 Flu-B Victoria.





### Surveillance activities on COVID-19 (Novel Coronavirus 2019)

1. During week 06, 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	• Burgan Port, Farah

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.

### Recommendations:

- All the BPHS /EPHS health facilities should receive the surveillance case definition of COVID-19 from the provincial surveillance officers
- Screening for passengers coming from China 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 and 13 Dog bites/suspected Rabies human cases in this week, therefore further prevention and control measures can be conducted by CDC/MAIL.
- **EPI:** As the system detected 75 suspected Measles and 01 Pertussis cases, further prevention and control measures should be conducted by EPI team.
- **RH:** 09 Pregnancy related deaths were reported from Rabia Balkhi, Ghazni, Bamyan, Qala-e-now, Rustaq and Faizabad 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.