



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-01<sup>st</sup>

Date: 29 Dec 2019 to 04 Jan 2020

### Summary:

- Out of 515 functional Surveillance sentinel sites, 498(96.7%) have submitted reports this week.
- A total of 504,036 new consultations, 193,902(38.5%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 137,119 cases, 27.2% out of total new consultations and Pneumonia, 27,303 cases, 5.4% out of total new consultations, Acute Diarrheal Diseases, 27,770 cases, 5.5% out of total new consultations.
- A total of 288 deaths were reported this week, of which 67 were due to Surveillance targeted diseases, which includes 61 Pneumonia deaths, 03 Meningitis deaths, 01 Pregnancy-related death reported from Rabia Balkhi sentinel site, 01 Acute Watery Diarrhea death and 01 Acute Viral Hepatitis death.
- A total of 06 outbreaks reported this week; of which 03 suspected Pertussis outbreaks reported from Kabul and Paktia provinces, 02 suspected CCHF outbreaks reported from Bamyan and Faryab provinces and 01 suspected Scabies outbreak reported from Khost province.

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

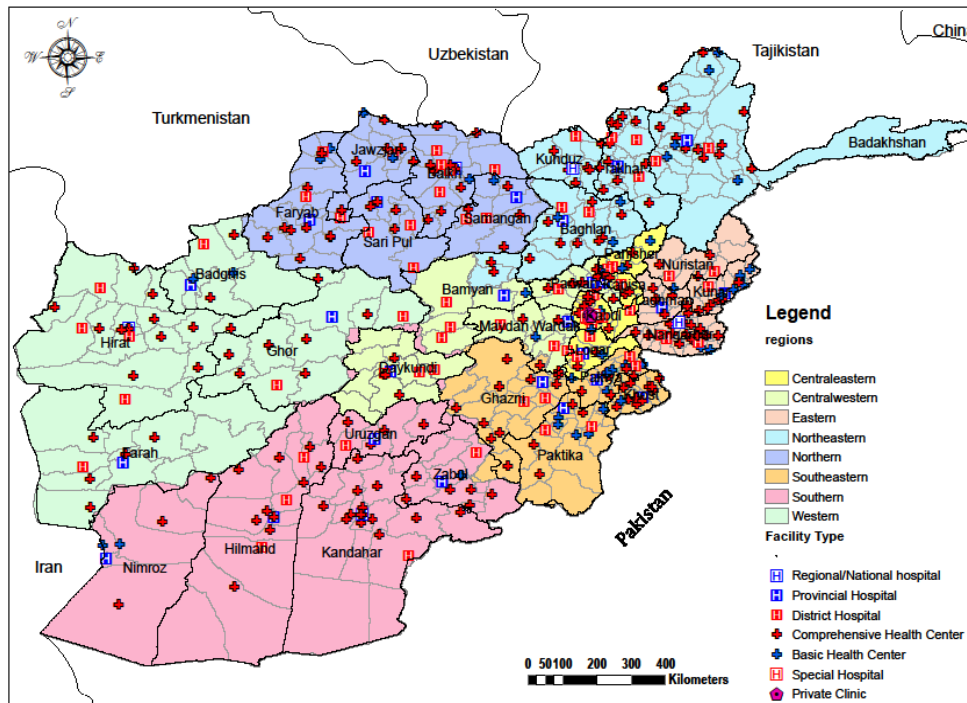


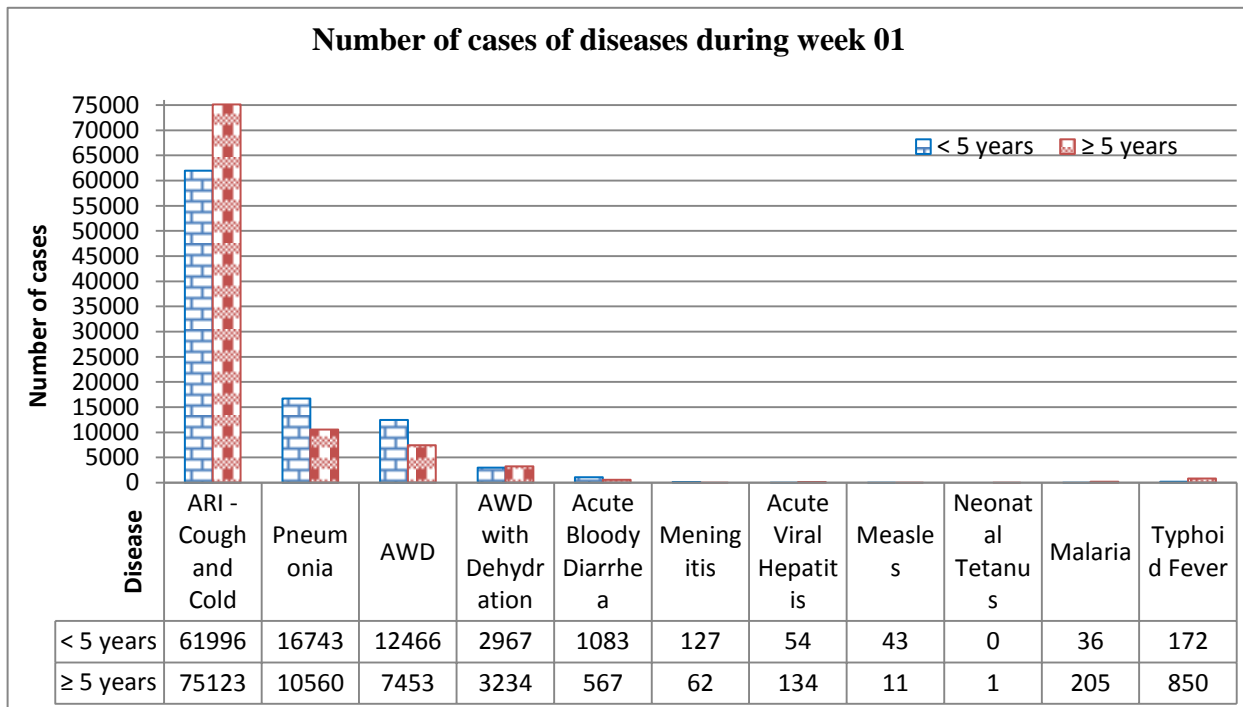
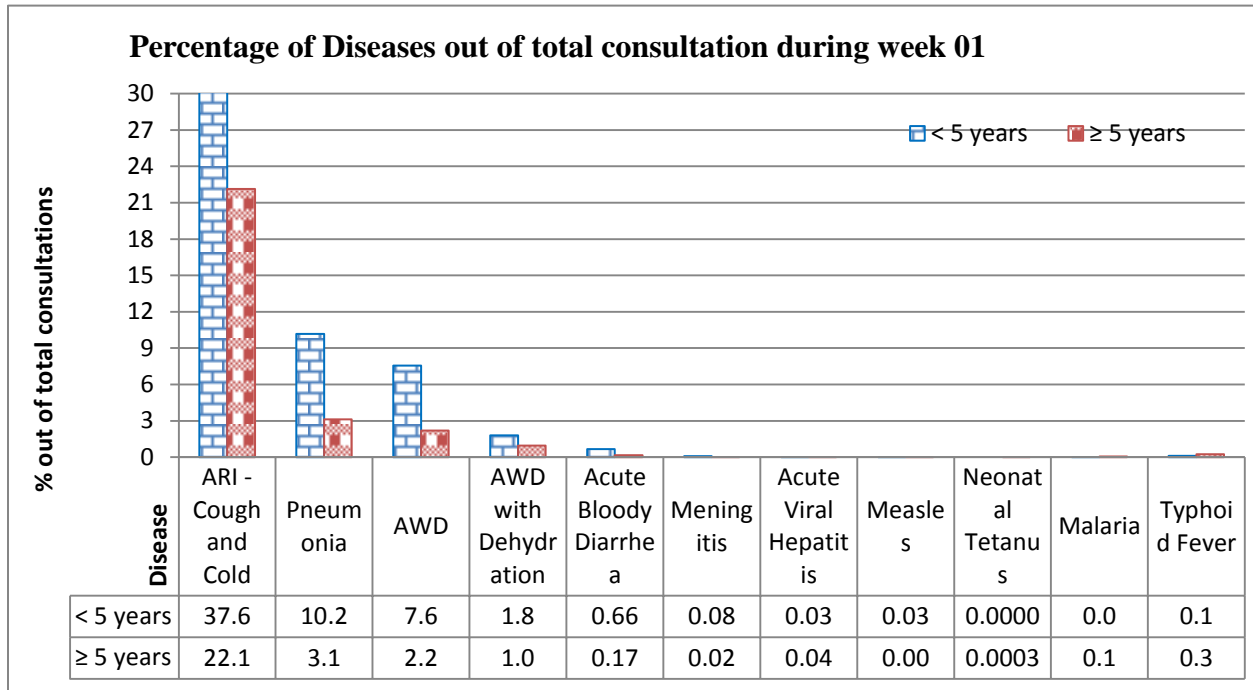
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Sub center	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1075	1171	<b>3,718</b>
HF covered by NDSR-Plus	32	74	374	12	20	3	<b>515</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**

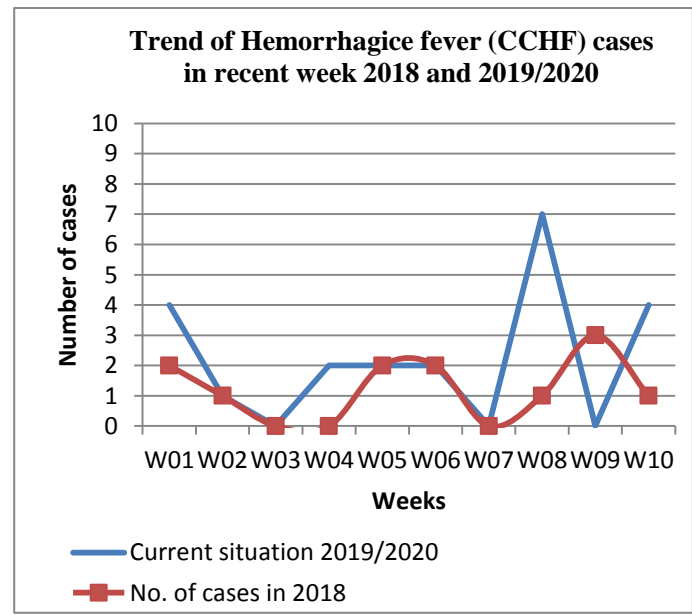
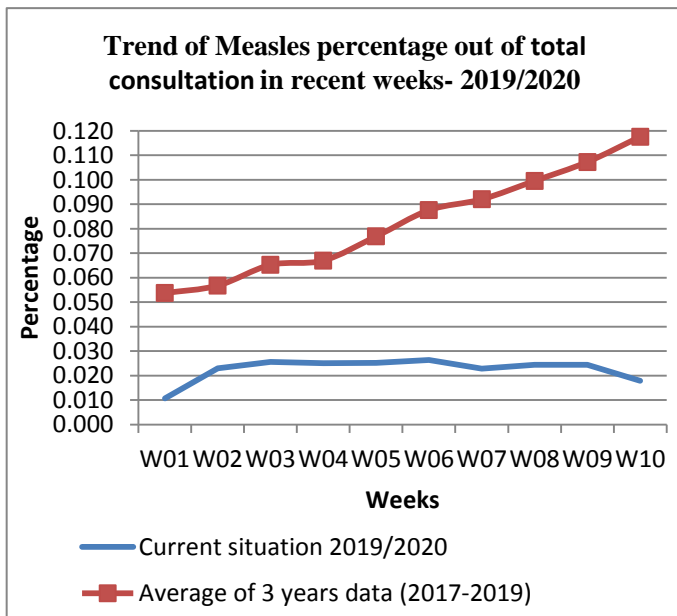
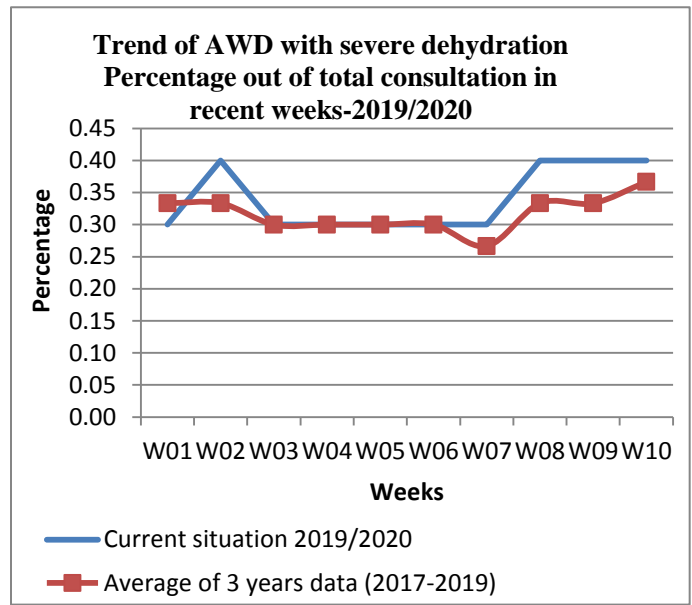
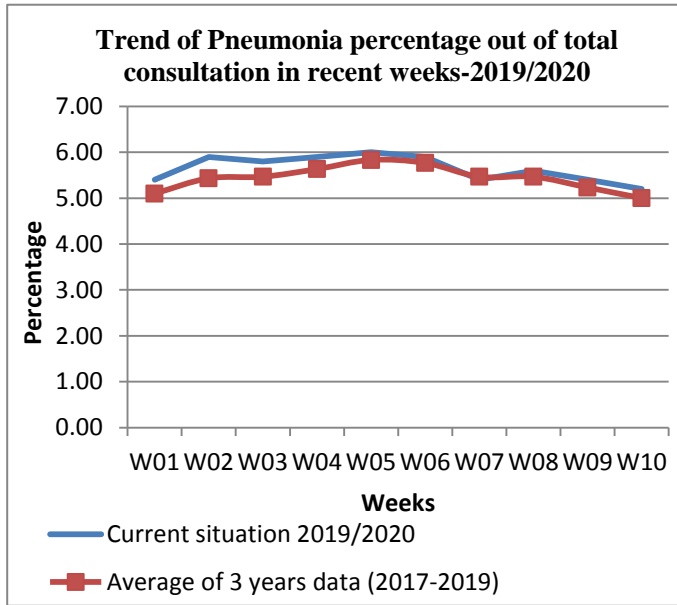


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 01<sup>st</sup> 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	43	11	54	0	0	0	0.00
Pertussis	2	0	2	0	0	0	0.00
Tetanus	0	1	1	0	0	0	1.00

### Seasonal Diseases:



During week 01<sup>st</sup> total of 06 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Suspected CCHF Outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
30 Dec 2019	Bamyan	Panjab	Kuhda	1	0	32 Y	Farmer	During this week 02 suspected CCHF cases were reported from, Bamyan and Faryab provinces, had probable contact with animals or the tissues of the animal, case management was done, health education sessions was conducted.		
30 Dec 2019	Faryab	Pashtonkot	Mireshkar	1	0	18 Y	Farmer			
No reported in this week										
Suspected Pertussis outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
27 Dec 2019	Paktia	Zurmat	Makaw a	5	0	5	0	20 %	Low	In this week three Suspected Pertussis outbreaks were reported from Kabul and Paktia provinces, the outbreaks were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education session was conducted as well.
2 Jan 2020	Kabul	District 7	Chilsit un	1	0	1	0	80 %	Low	
3 Jan 2020	Kabul	Dehs abz	Bakhty aran	1	0	1	0	75 %	Low	
Dog bite/suspected Rabies Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
1 Jan 2020	Khost	Matoon	Khost	70	0	In this week one suspected Scabies outbreak was reported from Khost province, the outbreaks 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 01<sup>st</sup>, 2020

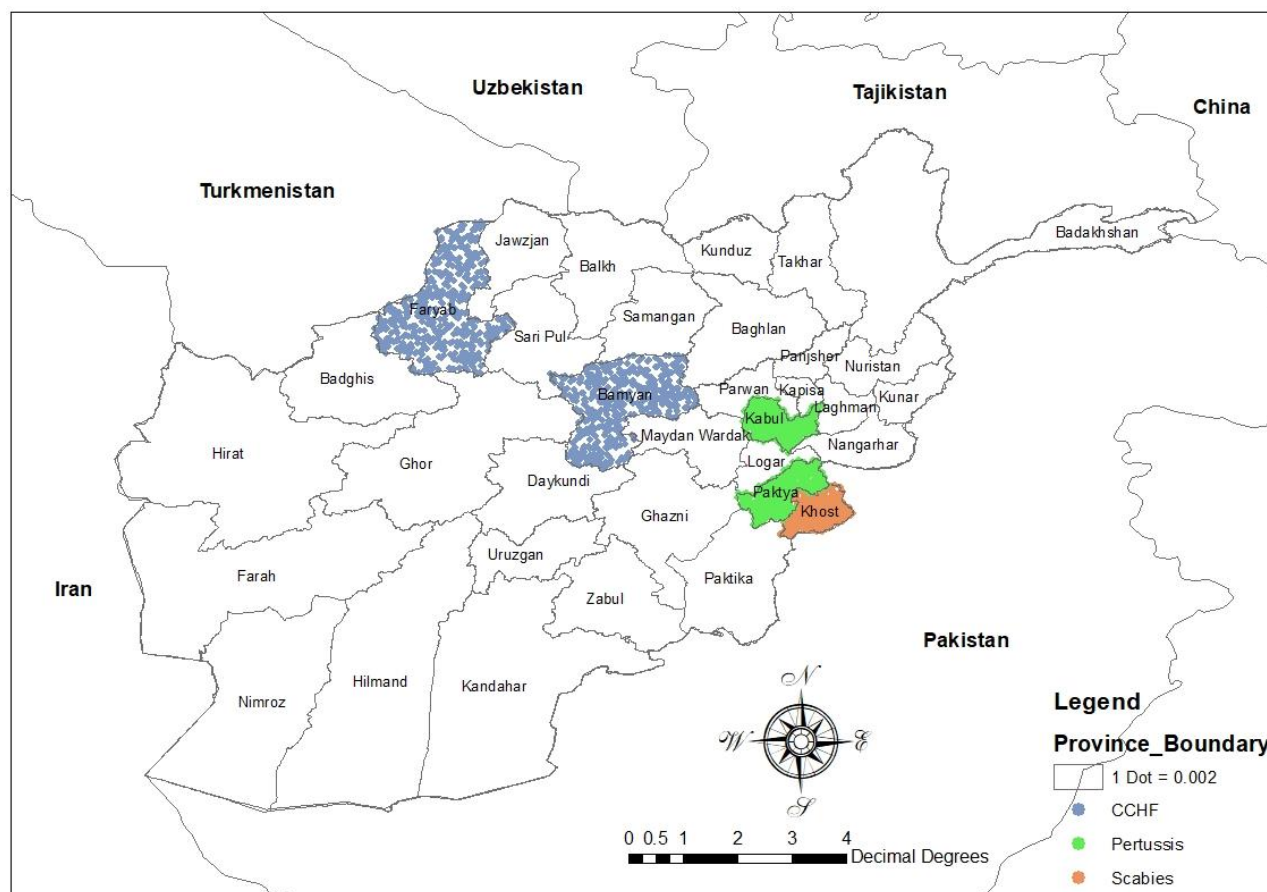


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 04 Dec 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Pertussis	3	0	7	0
CCHF	2	0	2	0
Scabies	1	0	70	0
<b>Grand Total</b>	<b>6</b>	<b>0</b>	<b>79</b>	<b>0</b>

### Laboratory surveillance:

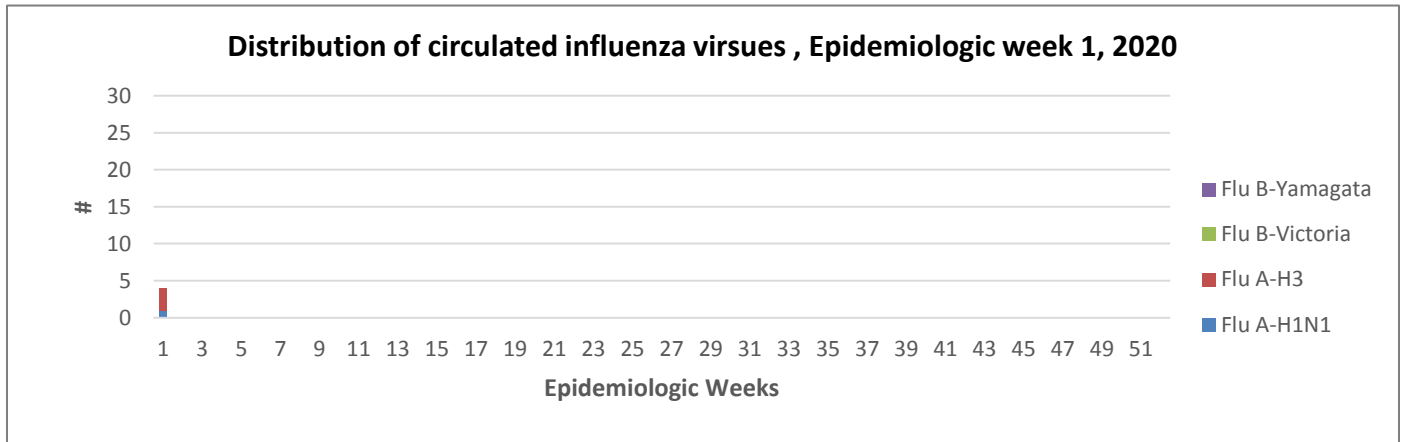
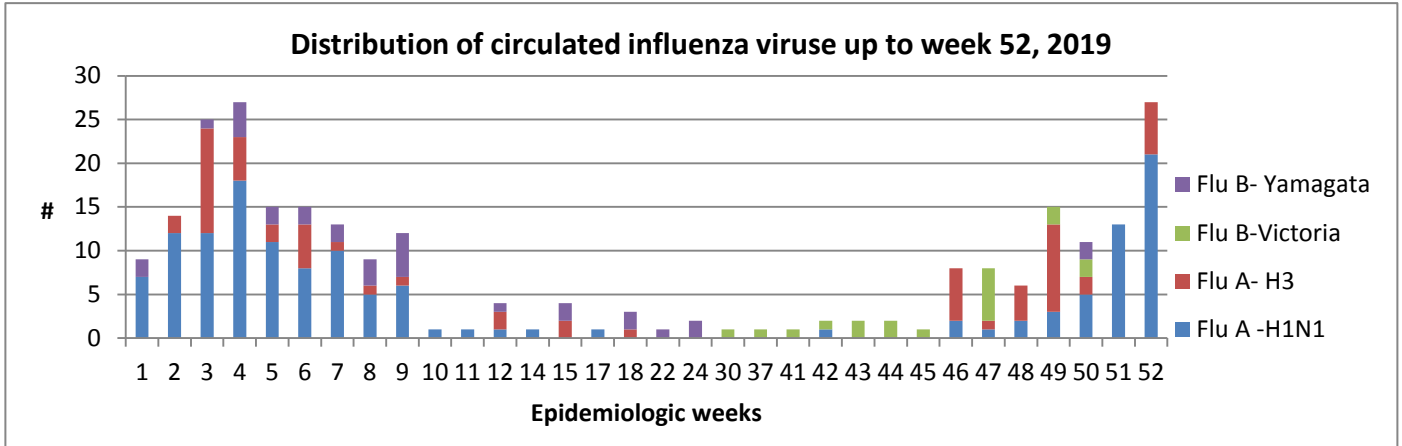
In this week a total of 83 different specimens/samples were received by CPHL, all specimens are under process. (Follow up by the CPHL is going on).

### Influenza Surveillance activity

In Epidemiological week 1, 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, 355(10%) Severe Acute Respiratory Infections cases were reported and 56% of them were among under 5 years old. The proportion of SARI cases was same as compared to week 52, 2019. Four SARI associated deaths were reported this week. At the provincial level, the top sentinel sites with the

highest proportion of SARI cases were Kabul (35%), Kapisa (25%) followed Paktia (28%). In this Epidemiological week, our field staff sent 63 SARI and 37 ILI specimens to the National Influenza Center (NIC).

In this week our NIC confirmed 4 seasonal influenza cases, one Flu A H1N1 and 3 Flu A-H3.



**Recommendations:**

- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is the cause of concern.
- **CDC/MAIL:** As the system detected two suspected CCHF cases in this week, therefore further prevention and control measures can be conducted by CDC/MAIL.
- **EPI:** As the system detected 54 suspected Measles cases and 09 suspected Pertussis cases, further control measures should be conducted by EPI team.
- **RH:** 01 Pregnancy related death was reported from Rabia Balkhi 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