



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-02nd

Date: 05 to 11 Jan 2020

Summary:

- Out of 530 functional Surveillance sentinel sites, 490(93%) have submitted reports this week.
- A total of 494,461 new consultations, 188,097(38%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 131,904 cases, 26.7% out of total new consultations and Pneumonia, 28,982 cases, 5.9% out of total new consultations, Acute Diarrheal Diseases, 25,606 cases, 5.2% out of total new consultations.
- A total of 318 deaths were reported this week, of which 82 were due to Surveillance targeted diseases, which includes 73 Pneumonia deaths, 04 Acute Viral Hepatitis deaths, 03 Pregnancy-related death reported from Rabia Balkhi NH, and Dr Akramuddin Wakilzada PH sentinel sites and 02 Meningitis deaths.
- A total of 04 outbreaks reported this week; of which one suspected Measles outbreak reported from Zabul province, one Dog bite/suspected Rabies outbreak reported from Wardak province, one Scabies outbreak reported from Kunduz province and one Chickenpox outbreak reported from Paktika province.

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

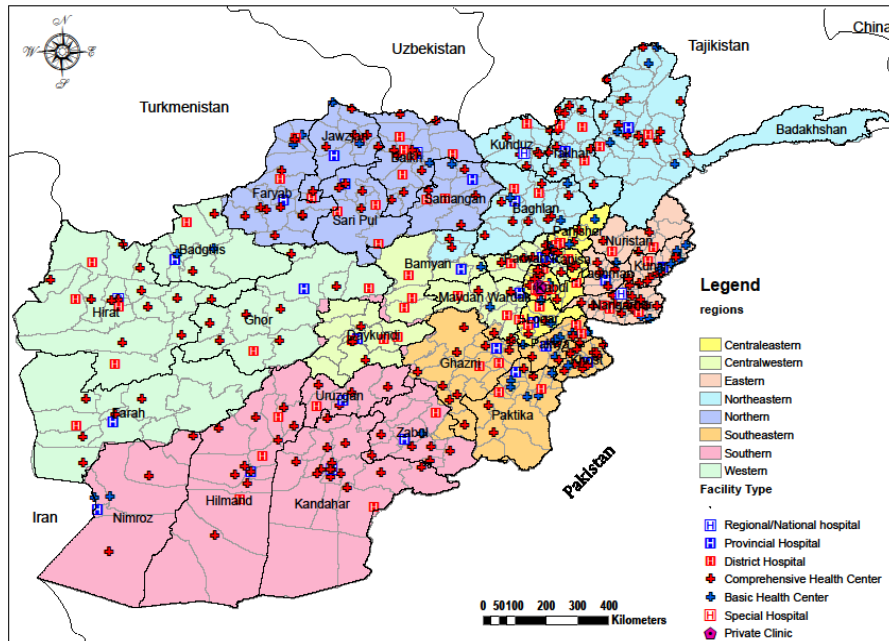


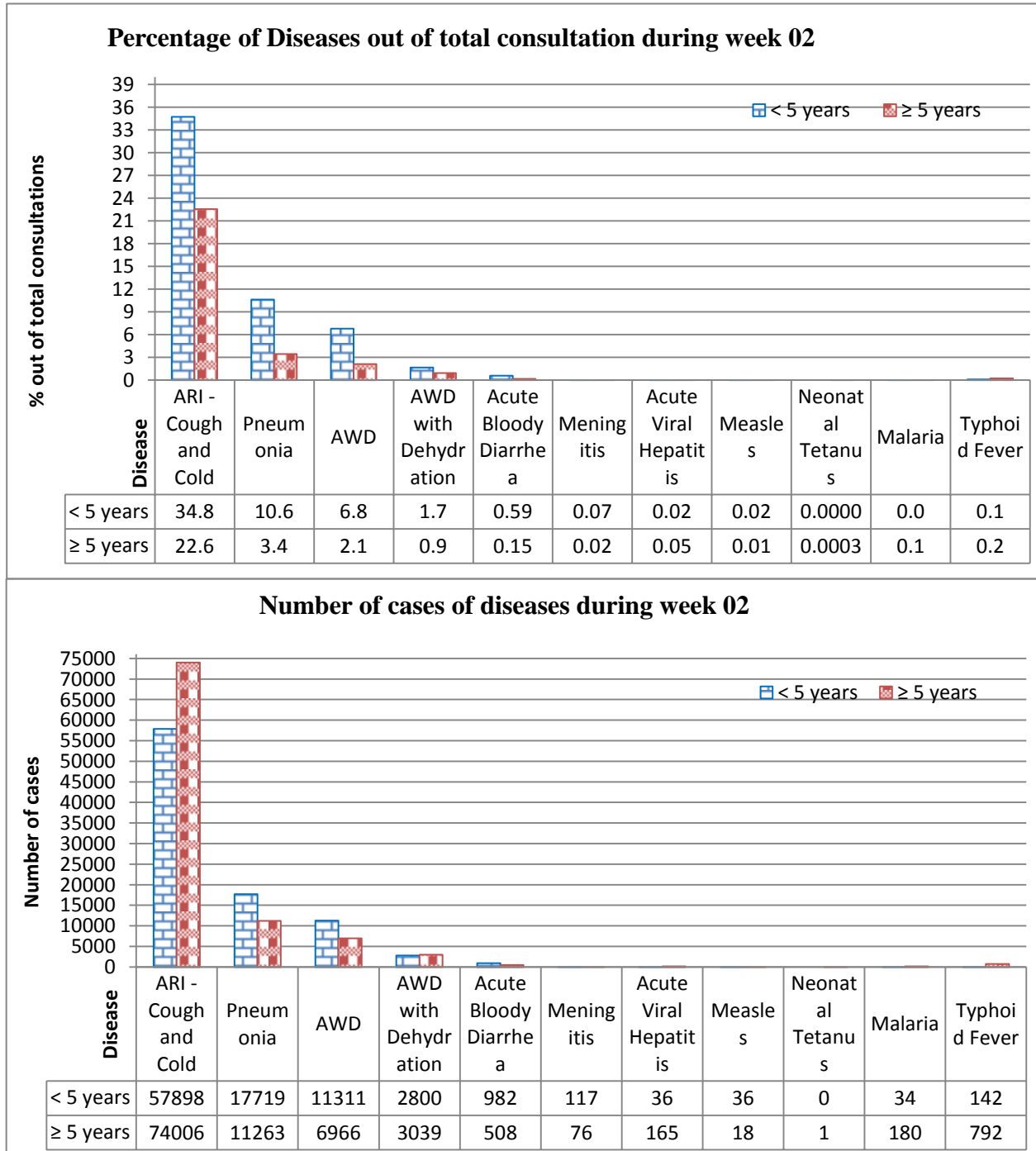
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	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

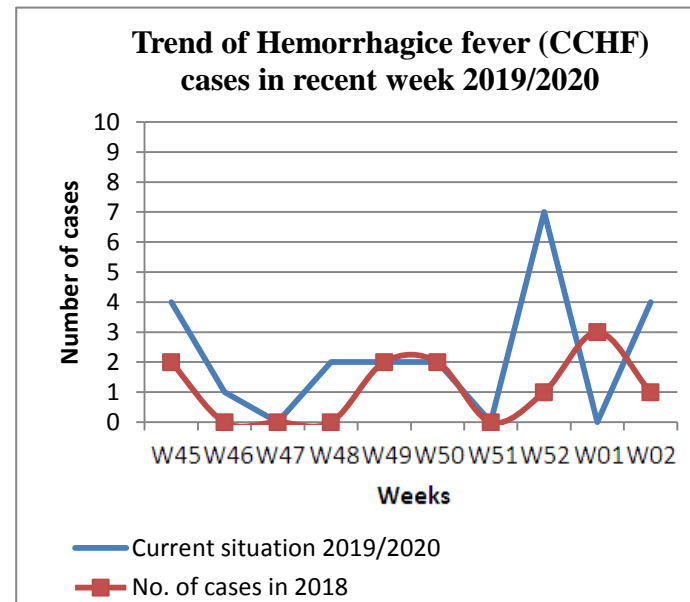
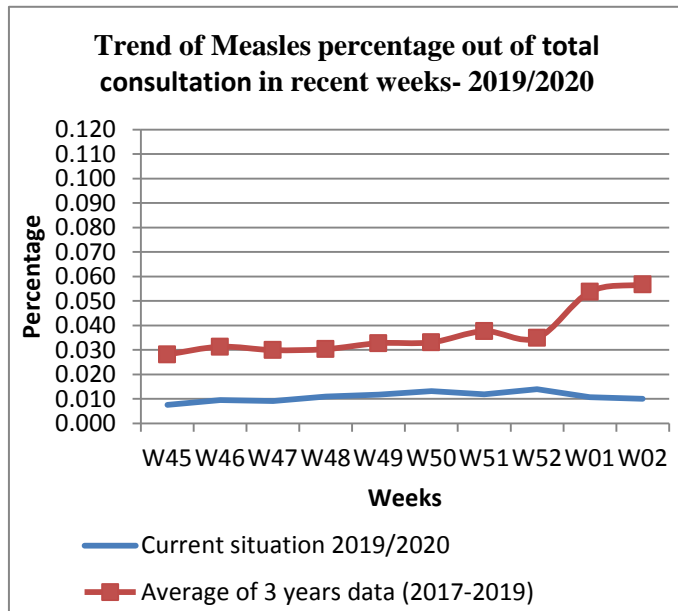
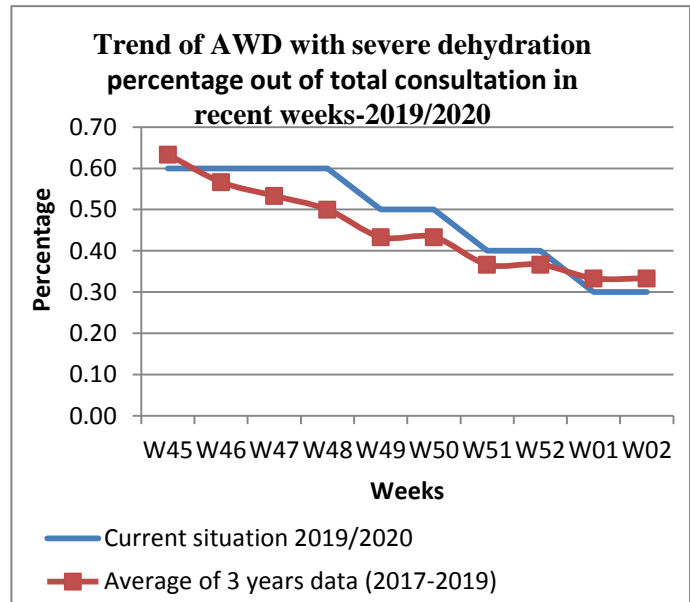
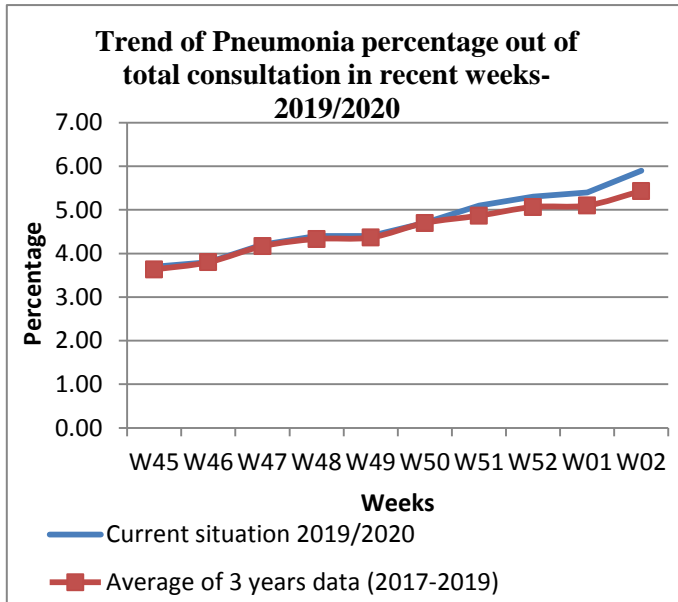


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 02nd, 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	36	18	54	0	0	0	0.00
Tetanus	0	1	1	0	0	0	0.00

Seasonal Diseases:



During week 02nd total of 04 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	Vaccination coverage %	Recommendation/Action take
7 Jan 2020	Zabul	Qalat	Kallacka	3	2	5	0	28 %	In this week one suspected 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, health education session was conducted as well.
Dog bite/suspected Rabies Outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
8 Jan 2020	Wardak	Nirkh	Chinzae	10	0	In this week one suspected Dog bite/suspected Rabies 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.			
Suspected Chickenpox Outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
5 Jan 2020	Paktika	Sharan	Charda	6	0	In this week one Chickenpox outbreak was reported from Paktika province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.			
Suspected Scabies Outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
5 Jan 2020	Kunduz	Ali abad	Maghdod	86	0	In this week one clinical scabies outbreak was reported from Kunduz 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 02nd, 2020

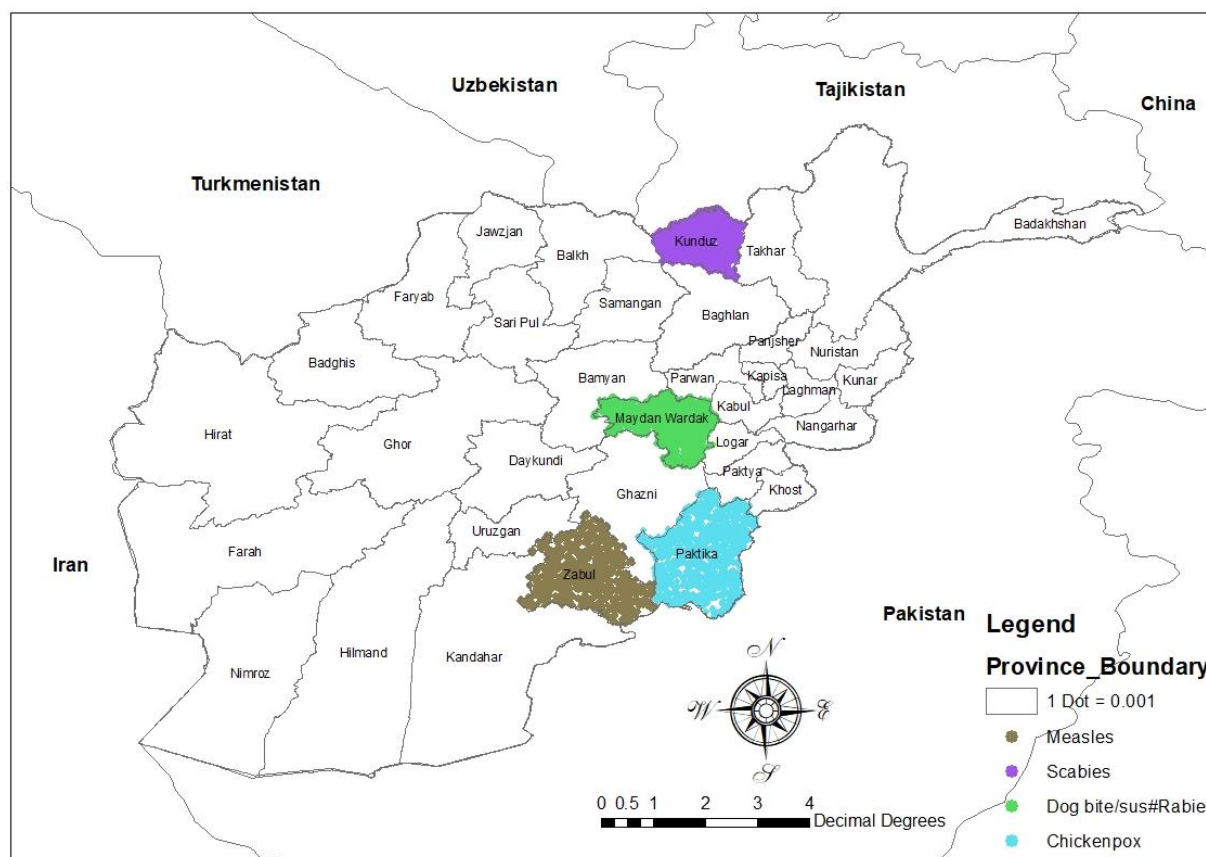


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 11 Jan 2020)

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	2	0	156	0
Chickenpox	1	0	6	0
Dog bites/Suspected Rabies	1	0	10	0
Measles	1	0	5	0
Grand Total	10	0	186	0

Laboratory surveillance:

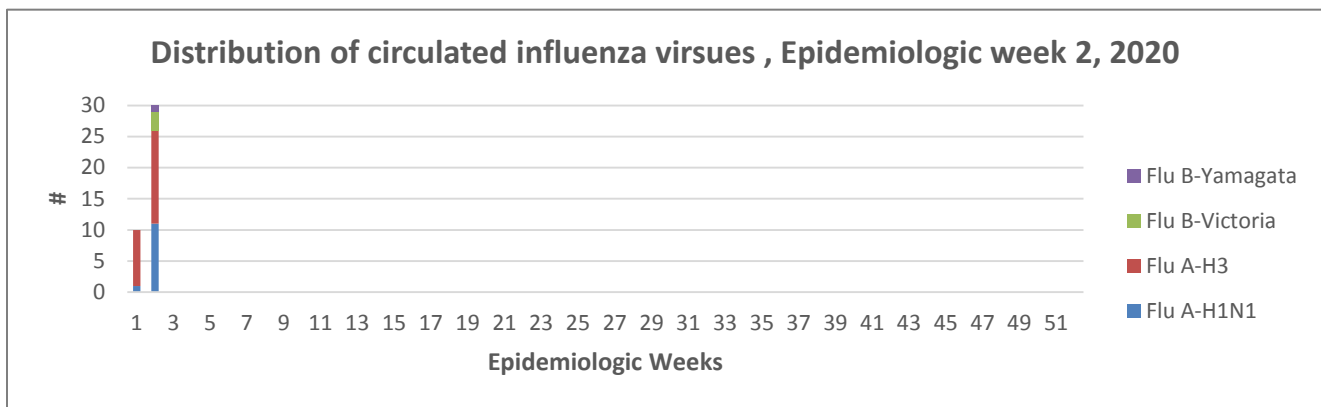
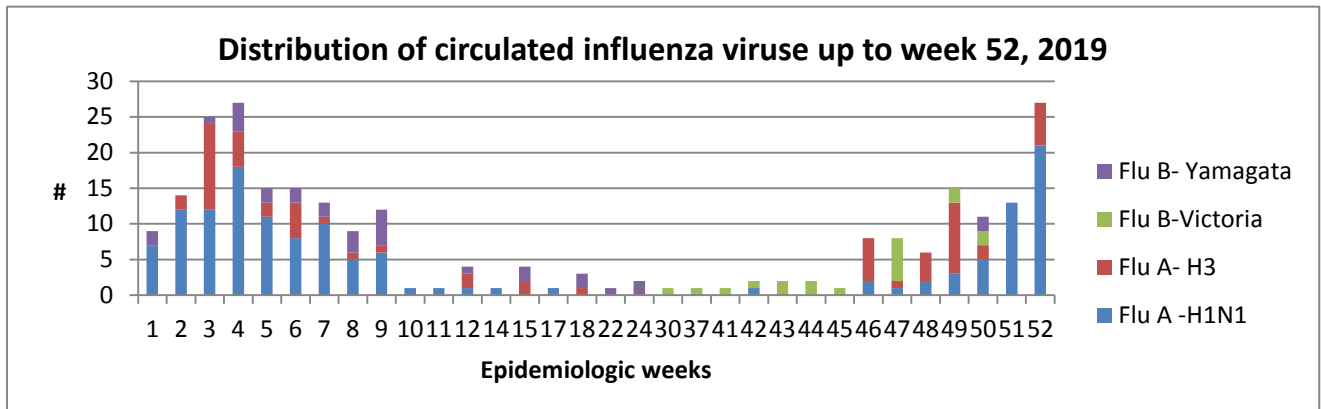
In this week a total of 102 different specimens/samples were received by CPHL, all specimens are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

Influenza Surveillance activity In Epidemiological week 2nd, 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 63% of them were among under 5 years old. The proportion of SARI cases was same as compared to week 1st, 2019. Five SARI associated deaths were reported this week. At the

provincial level, the top sentinel sites with highest proportion of SARI cases were Kabul (44%), Kapisa (35%) followed by Paktia (28%). In this Epidemiological week, our field staff sent 52 SARI and 33 ILI specimens to the National Influenza Center (NIC).

In this week our NIC confirmed 30 seasonal influenza cases , 11 Flu A H1N1 , 15 Flu A-H3 , 3 Flu B Victoria and one Flu B Yamagata . Please see bellow graphs shows the trend of Seasonal Influenza cases in Afghanistan :



Recommendations:

- 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 one Dog bite/suspected Rabies outbreak with 10 human cases in this week, further prevention and control measures can be conducted by CDC/MAIL.
- **EPI:** As the system detected 54 suspected Measles cases and 01 suspected Tetanus case, further prevention and control measures can be conducted by EPI team.
- **RH:** 03 Pregnancy related deaths were reported from Rabia Balkhi NH and Dr Akramuddin Wakilzada 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.