



National Disease Surveillance & Response (NDSR)

10 to 16 Feb 2019

Weekly Epidemiological Report-07th

Summary:

- Out of 621 functional Surveillance sentinel sites, 615(99%) have submitted reports this week.
- Out of a total of 535,418 new consultations, 191,140(35.7%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 131,442 cases, 24.5% out of total new consultations and Pneumonia, 28,671 cases, 5.4% out of total new consultations) and Acute Diarrheal Diseases, 28,521 cases, 5.3% out of total new consultations.
- A total of 299 deaths were reported this week, of which 53 were due to Surveillance targeted diseases, which includes 45 Pneumonia deaths, 05 Meningitis deaths, one Acute Viral Hepatitis death, one Tetanus death and one Unknown Hemorrhagic fever death.
- Total of 02 outbreaks reported this week; of which one was Measles outbreak reported from Paktya province and one unknown hemorrhagic disease outbreak reported from Panjshir province.

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

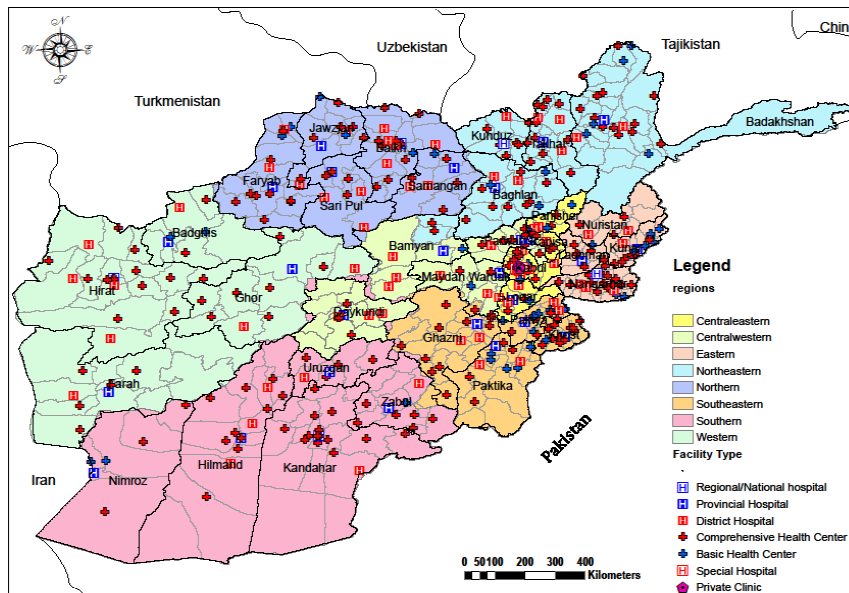


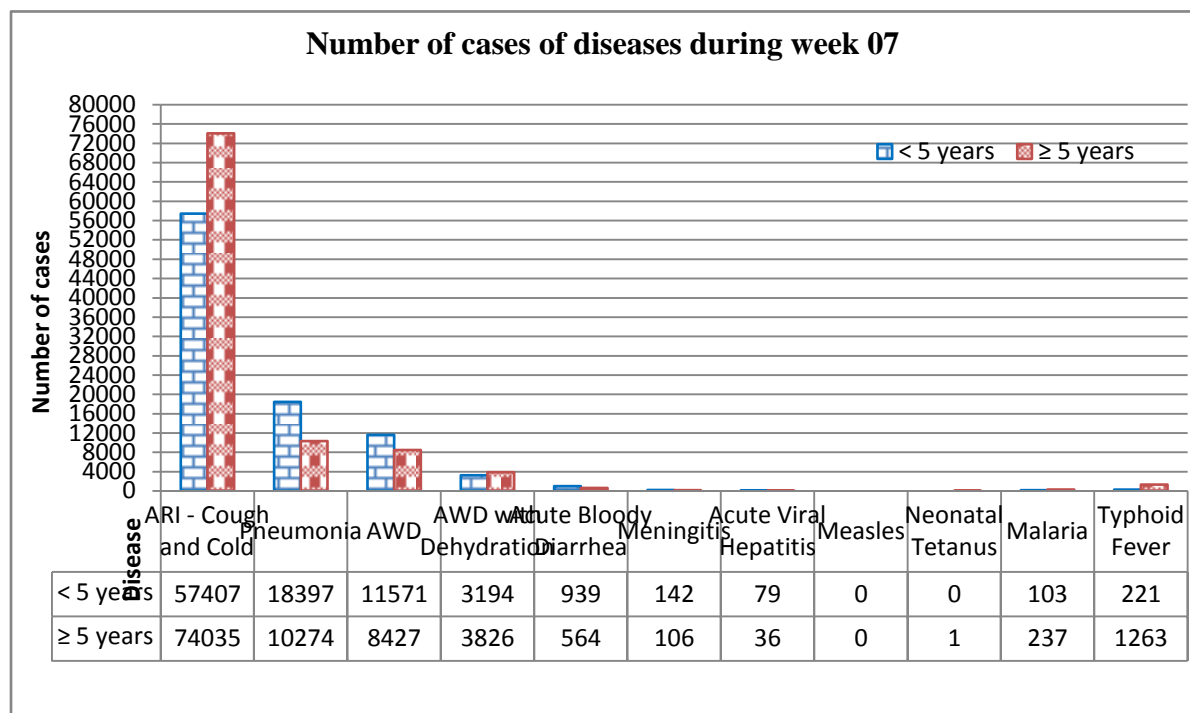
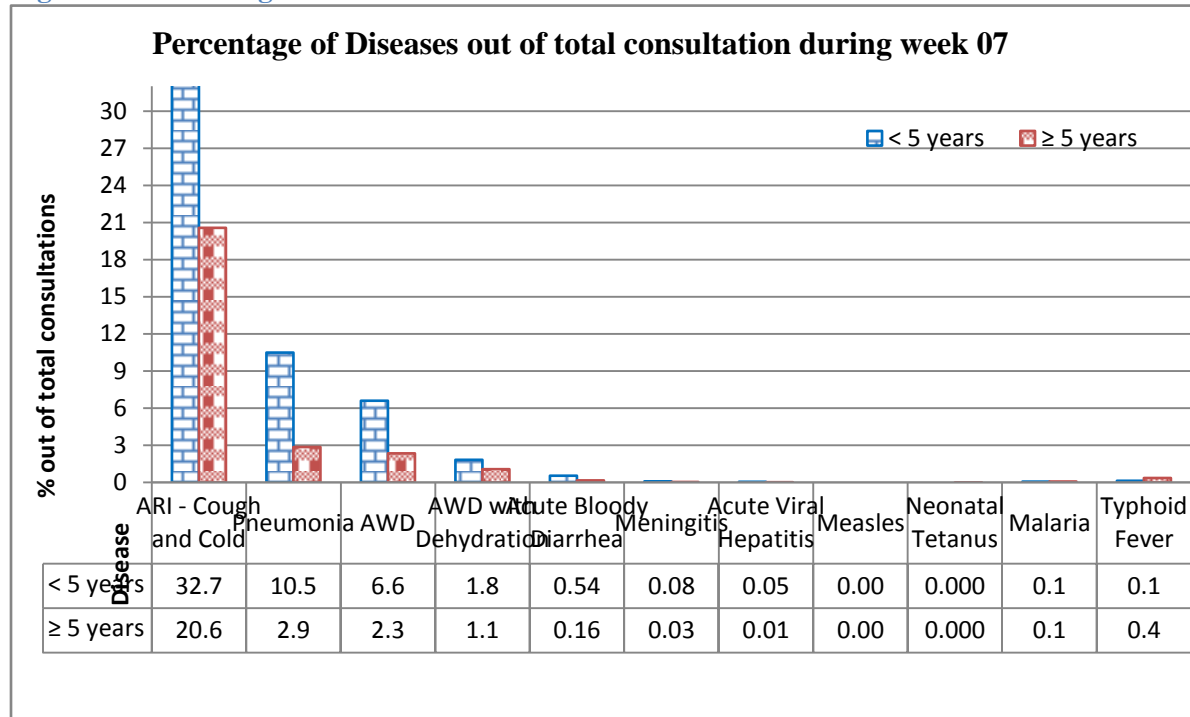
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Sub center	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	UN	1,676
HF covered by NDSR-Plus	32	77	435	1	49	13	14	621

Indicator – based Surveillance:

The Indicator-based surveillance component of NDSR reports 15 priority 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

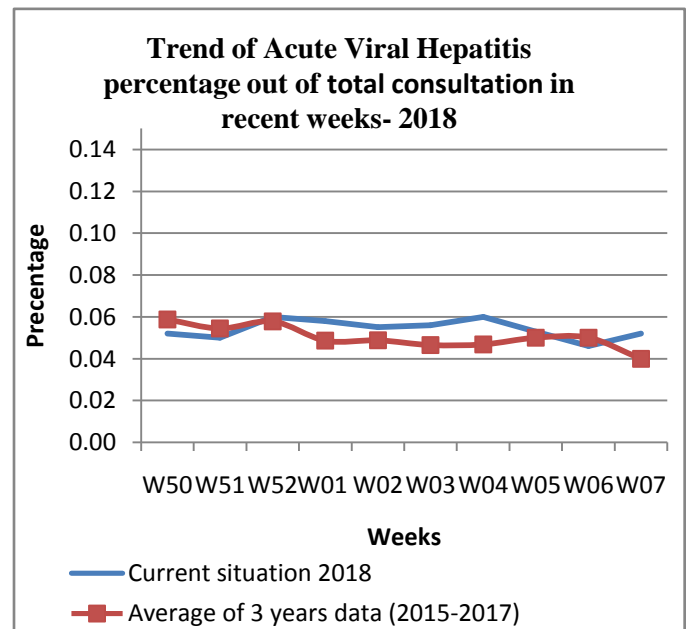
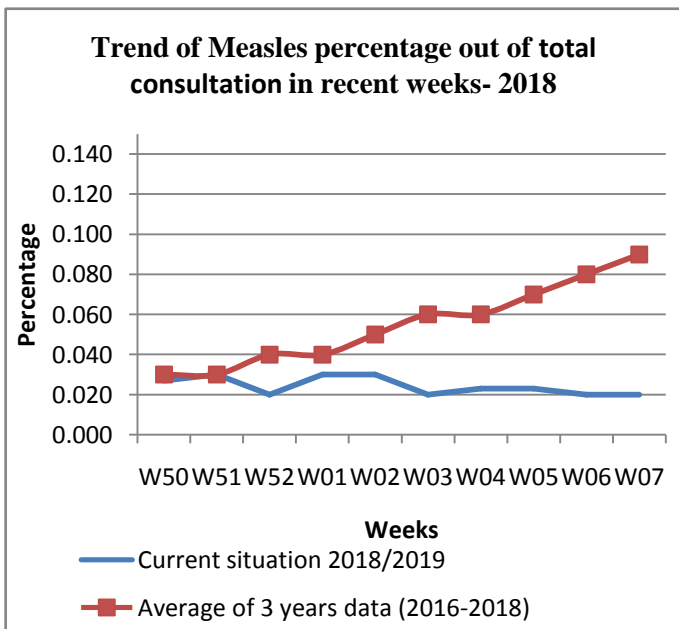
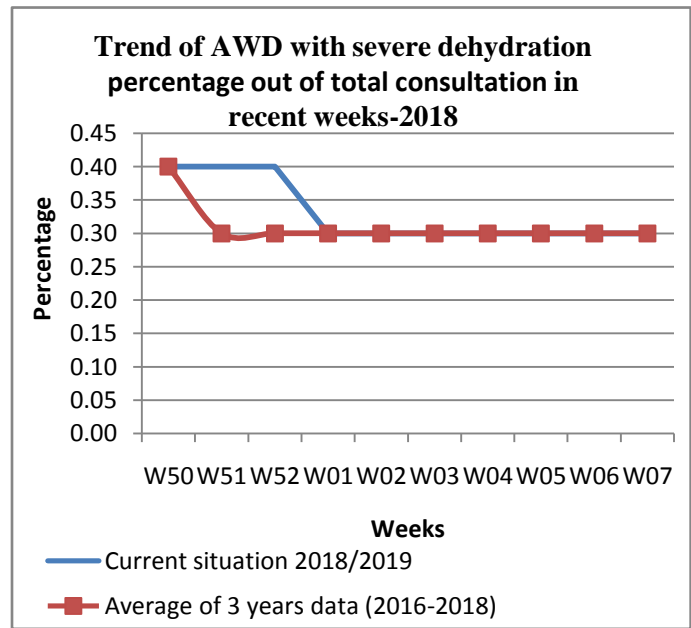
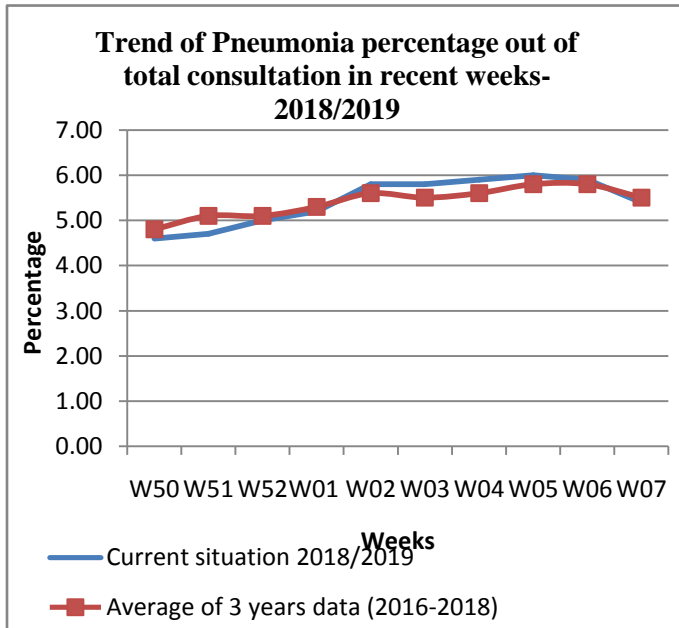


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 07th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	79	36	115	0	0	0	0.00
Pertussis	6	0	6	0	0	0	0.00
Tetanus	0	1	1	0	1	1	100.00

Seasonal Diseases:



During week 07th total of 02 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Unknown Hemorrhagic Disease Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
11 Feb 2019	Panjshir	Dara	Pesgaran	8	2	65, 19, 22, 60, 25, 31, 2, 6 and years	Students, House wife and police man	During this week the outbreak of unknown Hemorrhagic disease was reported from Panjshir province, total eight cases were reported and two of them were died in this event, all the cases had hemorrhagic signs and muscle pain, also had the history of consuming unhygienic food and contact with animal as well. Investigation was done, conservative treatment and case management was done for all the cases, Case Fatality rate for this outbreak was 25%		
Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
2 Feb 2019	Paktya	Gardiz	Robat	4	3	7	0	35%	100 children <5Y	In this week one Measles outbreak was detected and investigated, case management was done for all the cases, vaccination plan was made for the surrounding villages eligible children, 100 children <5Y were vaccinated for Measles, health education session was conducted as well

Figure 3: Outbreaks investigated during the week 07th, 2019

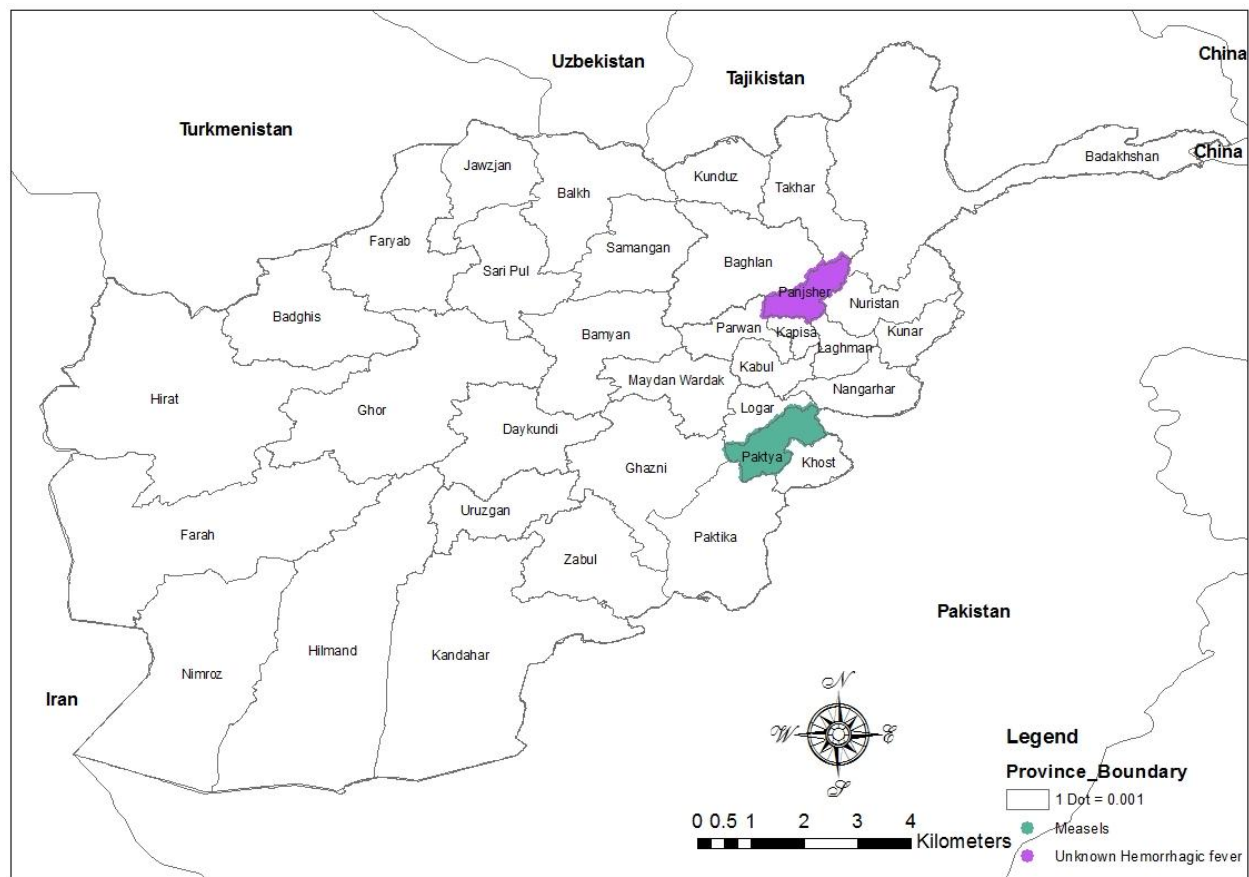


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 16 Feb 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
Measles	7	3	50	0
CCHF	5	0	5	0
Chickenpox	3	0	40	0
Dog bites/Suspected Rabies	3	1	26	1
Coal Poisoning	2	0	8	2
Leishmaniasis	2	1	67	0
Unknown Hemorrhagic Diseases	1	0	8	2
Pneumonia	1	0	51	3
Grand Total	24	5	255	8

Laboratory surveillance:

In this week a total of 90 different specimens/samples were received by CPHL, out of which 03 specimens were positive and 01 specimen was negative for Measles and 01 specimen was negative for CCHF while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 7, 2019 we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Paktya, Nangarhar, and Baghlan). Out of all new hospital admission, 286(7.5%) Sever Acute Respiratory Infections cases were reported and 57 % of them were among under 5 years old. The proportion of SARI cases increased than week 6, 2019. There were 11 SARI associated deaths reported in this week and 9 of them were among under 5 children.

In EPI week 7, our National Influenza Center (NIC) received 44 SARI and 28 ILI specimens from all 9 surveillance sites.

Recommendations:

The confirmation and control of unknown diseases cases is the cause of concern, the diagnostic capacity of CPHL is needed to be improved, and the CPHL structure can be reformed as the reference/public health lab.