



National Disease Surveillance & Response (NDSR)

06 to 12 Jan 2019

Weekly Epidemiological Report–02nd

Summary:

- Out of 574 functional Surveillance sentinel sites, 556 (98.4%) have submitted reports this week.
- Out of a total of 536,015 new consultations, 191,015 (35.8%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 130,336 cases, 24.3% out of total new consultations and Pneumonia, 30,493 cases, 5.7% out of total new consultations) and Acute Diarrheal Diseases, 28,481 cases, 5.3% out of total new consultations.
- A total of 306 deaths were reported this week, of which 76 were due to Surveillance targeted diseases, which includes 66 Pneumonia deaths, 07 Meningitis deaths, 02 Pregnancy related deaths reported from Rabia Balkhi sentinel site and 01 acute watery diarrhea with dehydration death.
- Total of 03 outbreaks reported this week; of which 02 were Leishmaniasis outbreaks reported from Nangarhar province and 01 was CCHF outbreak reported from Faryab province.

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

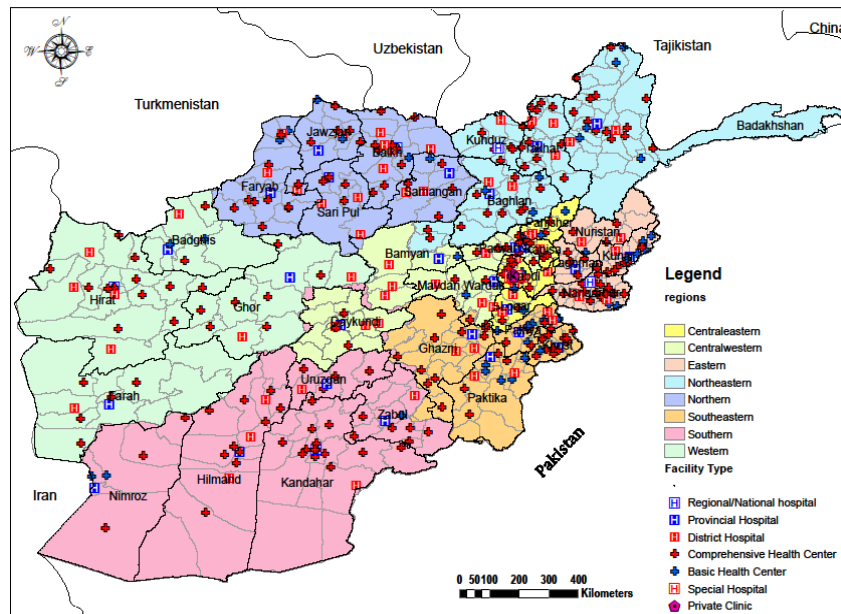


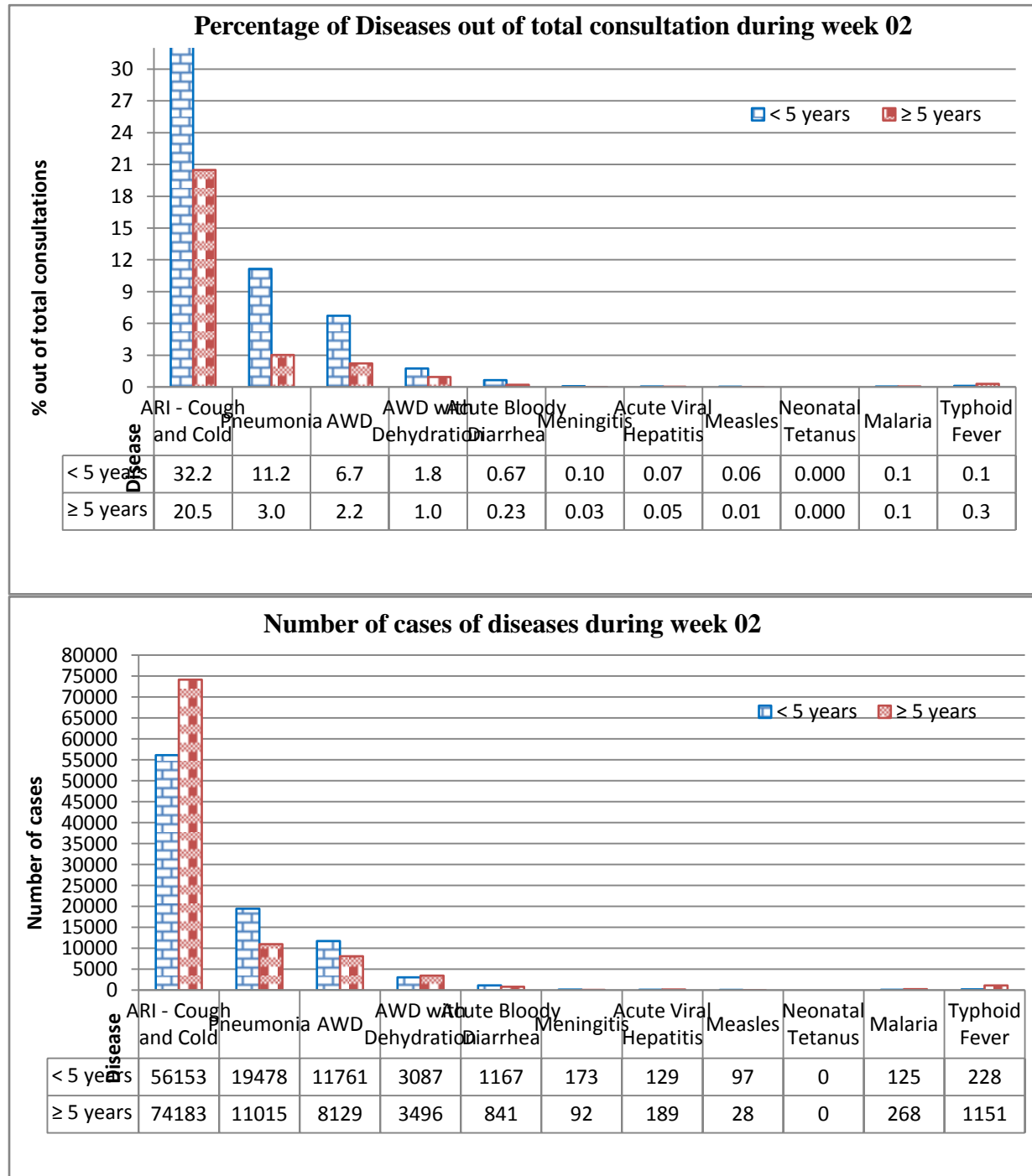
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	1,676
HF covered by NDSR-Plus	32	74	405	1	47	15	574

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

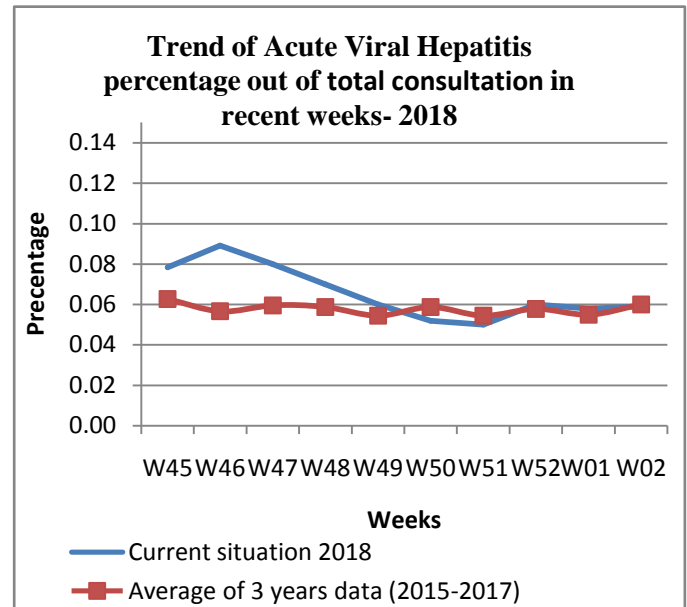
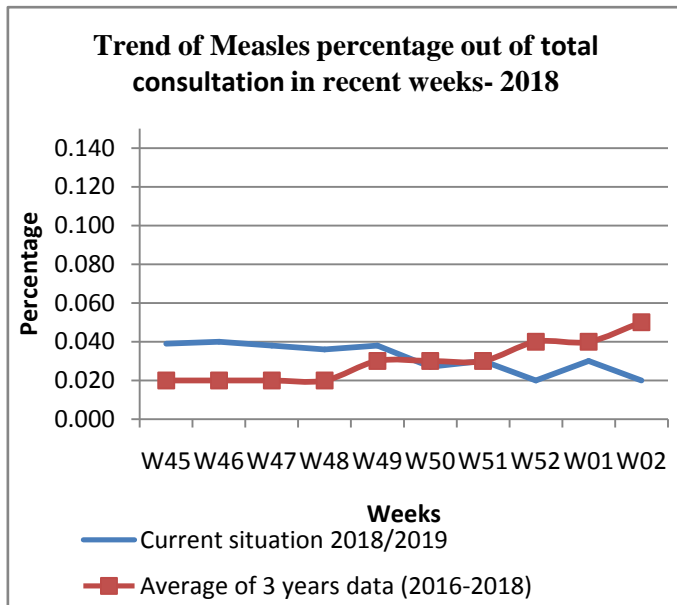
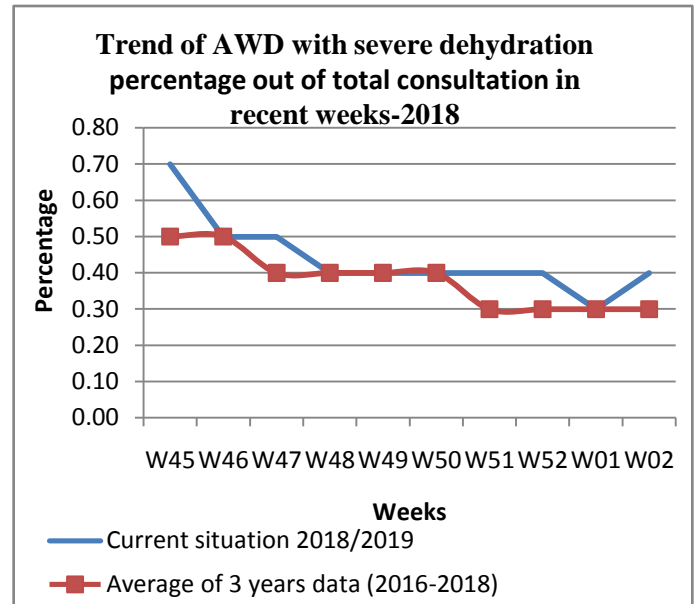
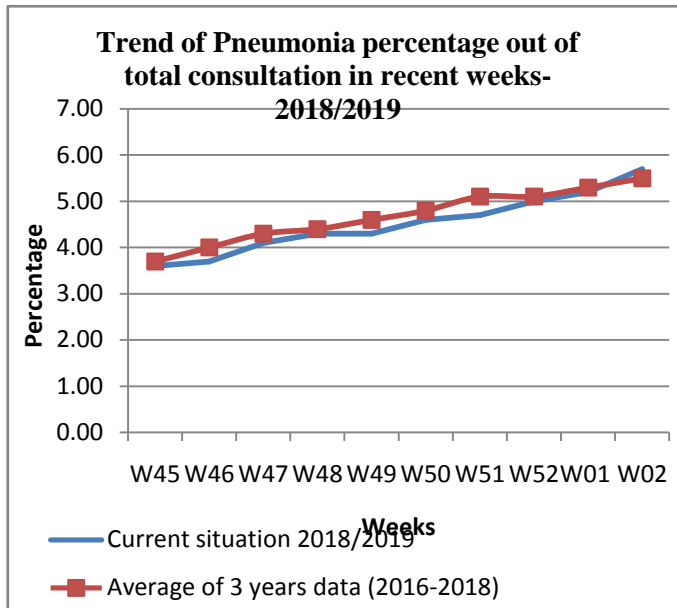


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 02nd, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	97	28	125	0	0	0	0.00
Pertussis	1	1	2	0	0	0	0.00

Seasonal Diseases:



During week 02nd total of 03 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Leishmaniasis Outbreaks								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
8 Jan 2019	Nangrahar	Mohmandara	Turkham	14	0	Leishmaniasis outbreak was reported from Nangrahar province two districts (Behsood and Mohmandara), 67 clinical cases were reported, case management was done for all the cases, health education on personal and environmental hygiene and the use of ITNs was conducted		
9 Jan 2019	Nangrahar	Behsood	Daman	53	0			
CCHF outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occu pation	Recommendation/Action take
12 Jan 2019	Faryab	Almar district	Chagh atak village	1	0	46 Y	Other	During this week one case of CCHF was reported from Faryab province, had probable contact with animals or the tissues of the animal, case management was done, health education sessions was conducted. Case Fatality rate for CCHF was 0% (per 100) in this week

Figure 3: Outbreaks investigated during the week 02nd, 2019

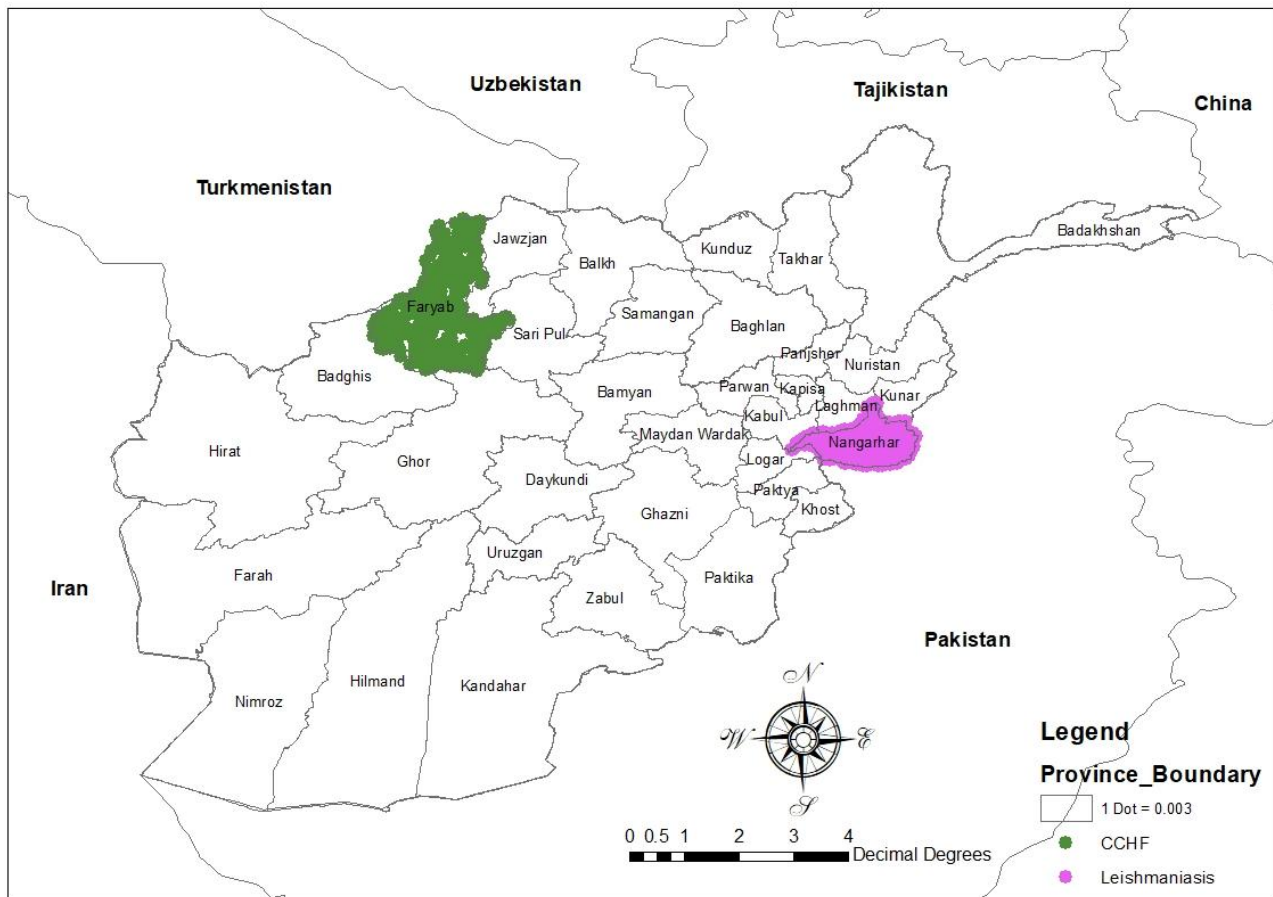


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 12 Jan 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
Leishmaniasis	2	1	67	0
CCHF	1	0	1	0
Grand Total	3	1	68	0

Laboratory surveillance:

In this week a total of 119 different specimens/samples were received by CPHL, out of which 01 specimen was positive and 09 specimens were negative for Measles and 01 specimen was negative for Pertussis while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 2, 2019, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyān, Paktya, Nangarhar, and Baghlan). Out of all new hospital admission, 374(9.1%) Sever Acute Respiratory Infections cases were reported and 59 % of them were among under 5 years old. The proportion of SARI cases was the same as first week of 2019. However, there were 13 SARI associated deaths reported in this week and about all of them were among under 2 children. This shows a double increase in mortality associated pneumonia and mainly from Baghlan provinces.

In EPI week 2, our National Influenza Center (NIC) received 56 SARI and 35 ILI specimens from all 9 surveillance sites. During last 4 weeks 2018, our NIC detected 32 influenza cases, mainly Flu A pandemic H1N1 (21 cases), followed by Flu A H3 (6 cases) and Flu B Yamagata (5 cases)

In addition, in week 2, we have shared 32 positive influenza sample with CDC Atlanta by DHL for further genetic analysis and vaccine selection studies.

Recommendations:

The increase in the cases and deaths due to ARI-Pneumonia/SARI is the cause of concern; this should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.