



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-08th

Date: 17 to 23 Feb 2019

Summary:

- Out of 627 functional Surveillance sentinel sites, 619(98.7%) have submitted reports this week.
- Out of a total of 537,608 new consultations, 188,126(35%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 127,367 cases, 23.7% out of total new consultations and Pneumonia, 29,982 cases, 5.6% out of total new consultations) and Acute Diarrheal Diseases, 28,529 cases, 5.3% out of total new consultations.
- A total of 298 deaths were reported this week, of which 87 were due to Surveillance targeted diseases, which includes 67 Pneumonia deaths, 08 Meningitis deaths, 07 Pregnancy related deaths reported from Rabia-balkhi, Sia-gerd, Aqcha, Herat, Sourubi, Urozgan and Khairkot sentinel sites, 03 Acute Diarrheal Disease deaths, one Acute Viral Hepatitis death and one Suspected Hemorrhagic fever death.
- Total of 02 outbreaks reported this week; of which one was CCHF outbreak reported from Kabul province and one Chickenpox outbreak reported from Urozgan province.

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

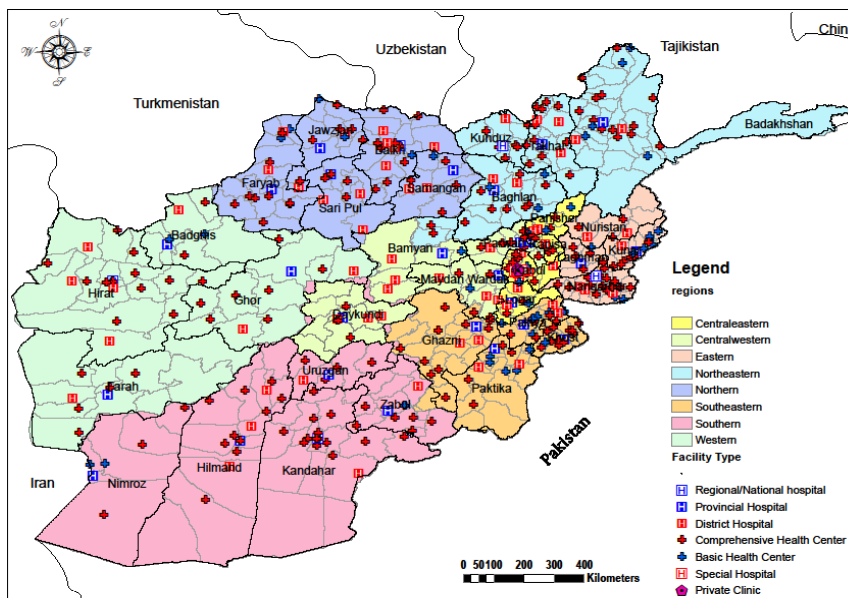


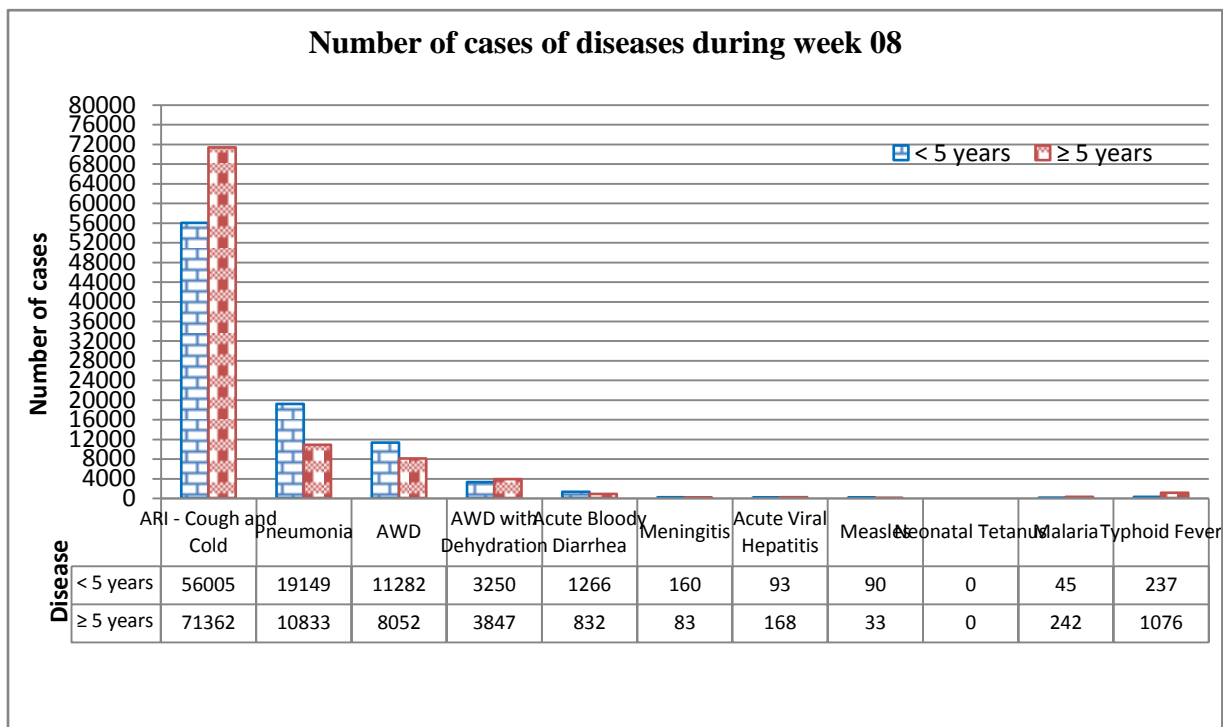
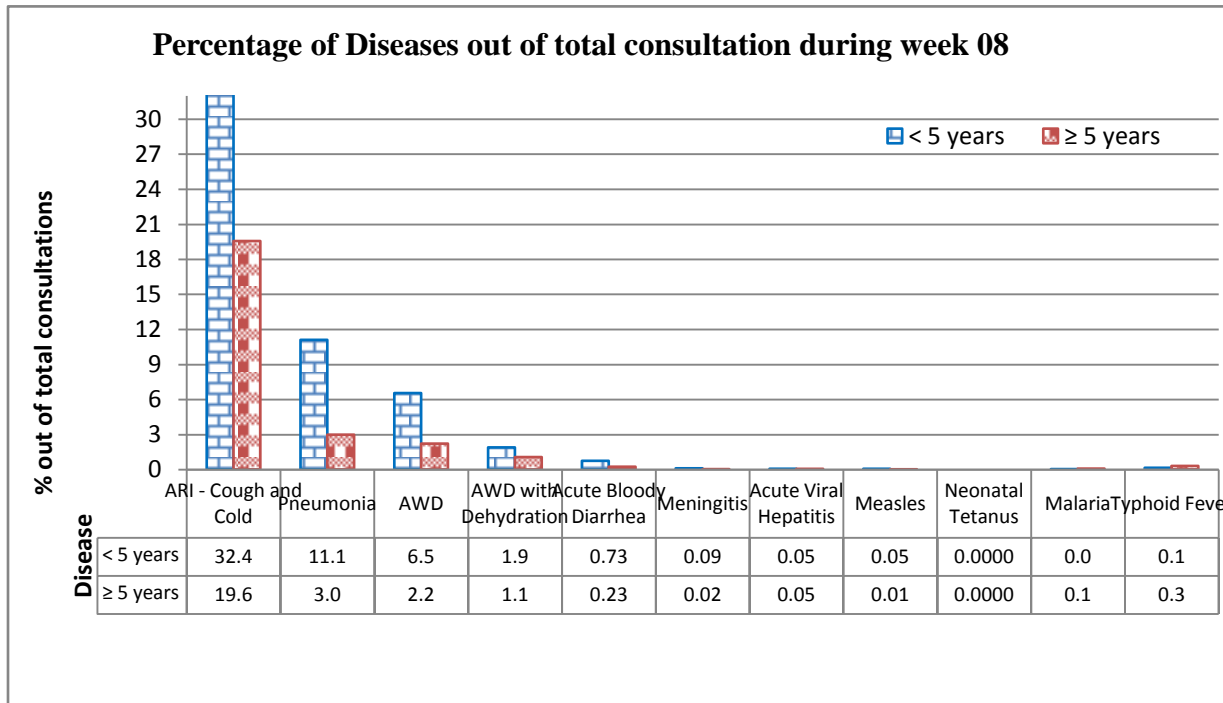
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	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	439	1	50	13	15	627

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

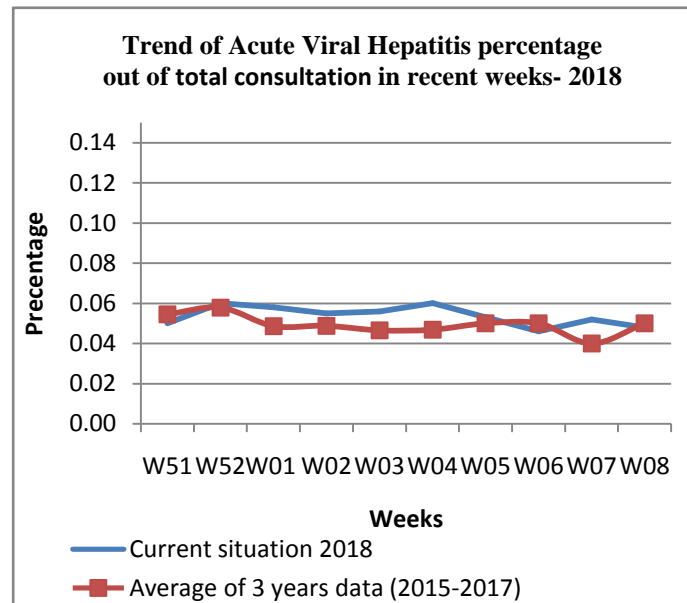
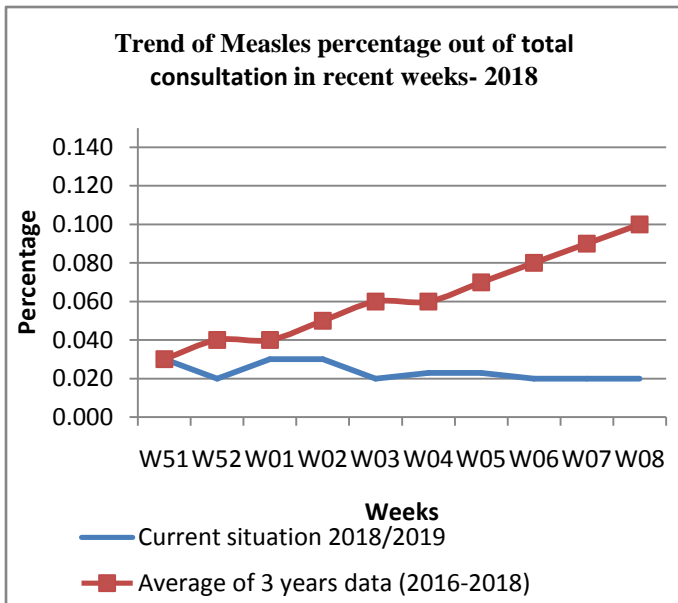
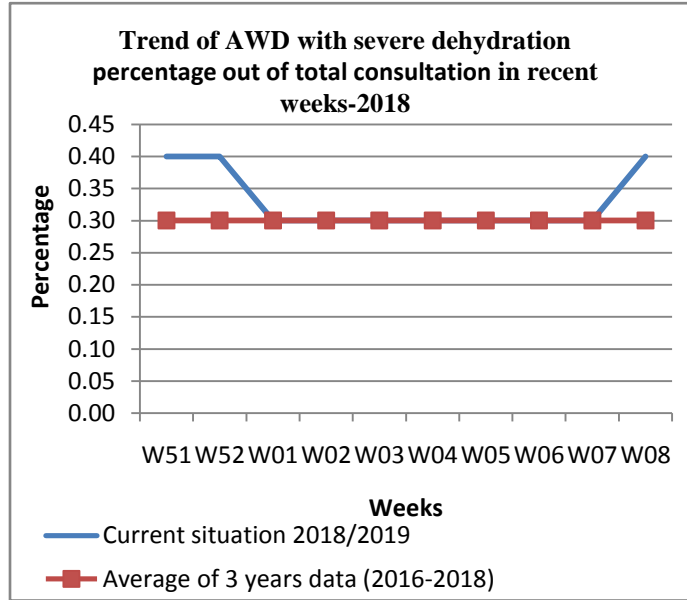
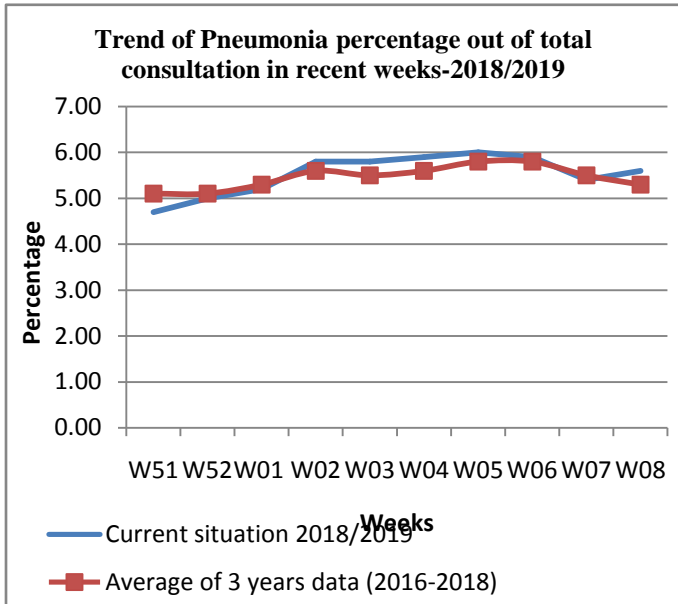


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 08th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	90	33	123	0	0	0	0.00
Pertussis	4	0	4	0	0	0	0.00

Seasonal Diseases:



During week 08th total of 02 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
18 Feb 2019	Kabul	District 9	Pule charkha	1	1	35 Y	Housewife	During this week one suspected CCHF case was reported from Kabul 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 100% (per 100) in this week
Suspected Chickenpox outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
17 Feb 2019	Urozgan	Tarinkot	Ghaznigakah	11	0	In this week one clinical Chickenpox outbreak was reported from Urozgan province, the outbreak was investigated, case management was done for all the cases, health education session was conducted as well.		

Figure 3: Outbreaks investigated during the week 08th, 2019

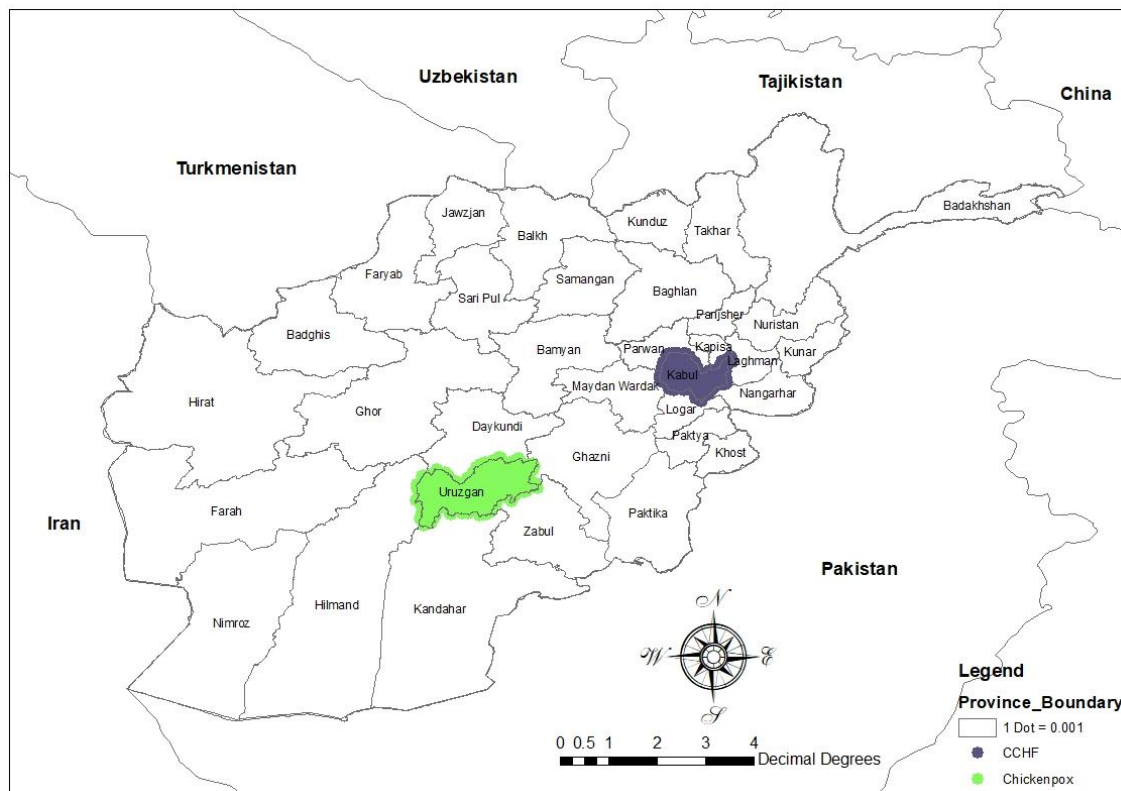


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 23 Feb 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
Measles	7	4	50	0
CCHF	6	1	6	1
Chickenpox	4	0	51	0
Dog bites/Suspected Rabies	3	1	26	1
Coal Poisoning	2	0	8	2
Leishmaniasis	2	1	67	0
Unknown Hemorrhagic	1	0	9	1
Pneumonia	1	0	51	3
Grand Total	26	7	268	8

Laboratory surveillance:

In this week a total of 103 different specimens/samples were received by CPHL, out of which 06 specimens were positive and 04 specimens were negative for Measles while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 8, 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, 272(7%) Sever Acute Respiratory Infections cases were reported and 57 % of them were among under 5 years old. The proportion of SARI cases decreased than week 7, 2019. There were 7 SARI associated deaths reported in this week and all of them were among under 5 years old children.

In EPI week 8, our National Influenza Center (NIC) received 52 SARI and 32 ILI specimens from all 9 surveillance sites. In last week our NIC was able to detect 10 Influenza viruses, out of this 9 were Flu A H1N1 Pd09 and one case was Flu A H3.

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.