



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-09th

Date: 24 Feb to 02 Mar 2019

Summary:

- Out of 633 functional Surveillance sentinel sites, 602(95.1%) have submitted reports this week.
- Out of a total of 552,591 new consultations, 189,380(34.3%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 129,255 cases, 23.4% out of total new consultations and Pneumonia, 29,598 cases, 5.4% out of total new consultations) and Acute Diarrheal Diseases, 28,226 cases, 5.1% out of total new consultations.
- A total of 263 deaths were reported this week, of which 74 were due to Surveillance targeted diseases, which includes 62 Pneumonia deaths, 04 Meningitis deaths, 04 Acute Viral Hepatitis deaths, 02 Pregnancy related deaths reported from Rabia balkhi and Kohistanat sentinel sites and 02 Acute Diarrhea Disease with dehydration deaths.
- Total of 08 outbreaks reported this week; of which 03 were CCHF outbreaks reported from Kapisa, Kandahar and Faryab provinces, 02 Scabies outbreaks reported from Ghazni and Wardak provinces, one Leishmaniasis outbreak reported from Laghman province, one Pertussis outbreak reported from Baghlan province and one ARI outbreak reported from Jawzjan province.

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

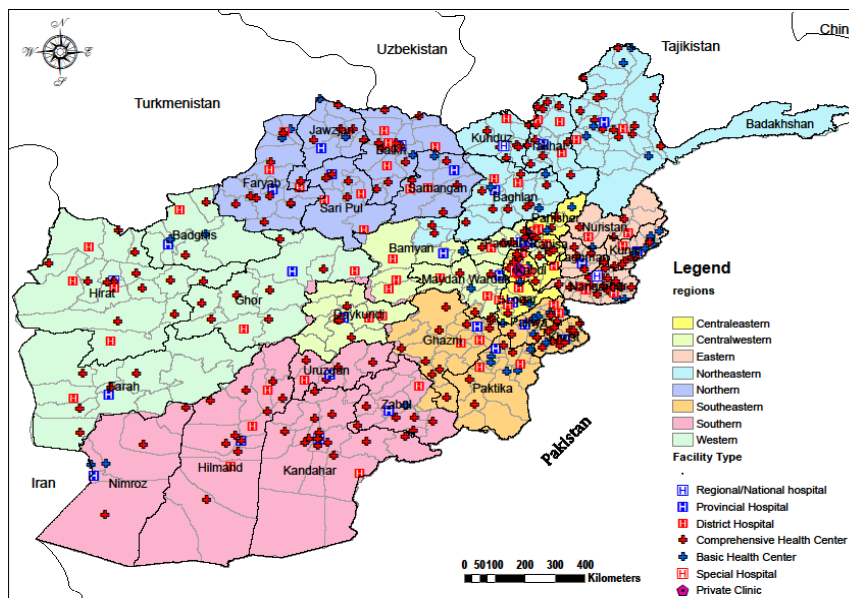


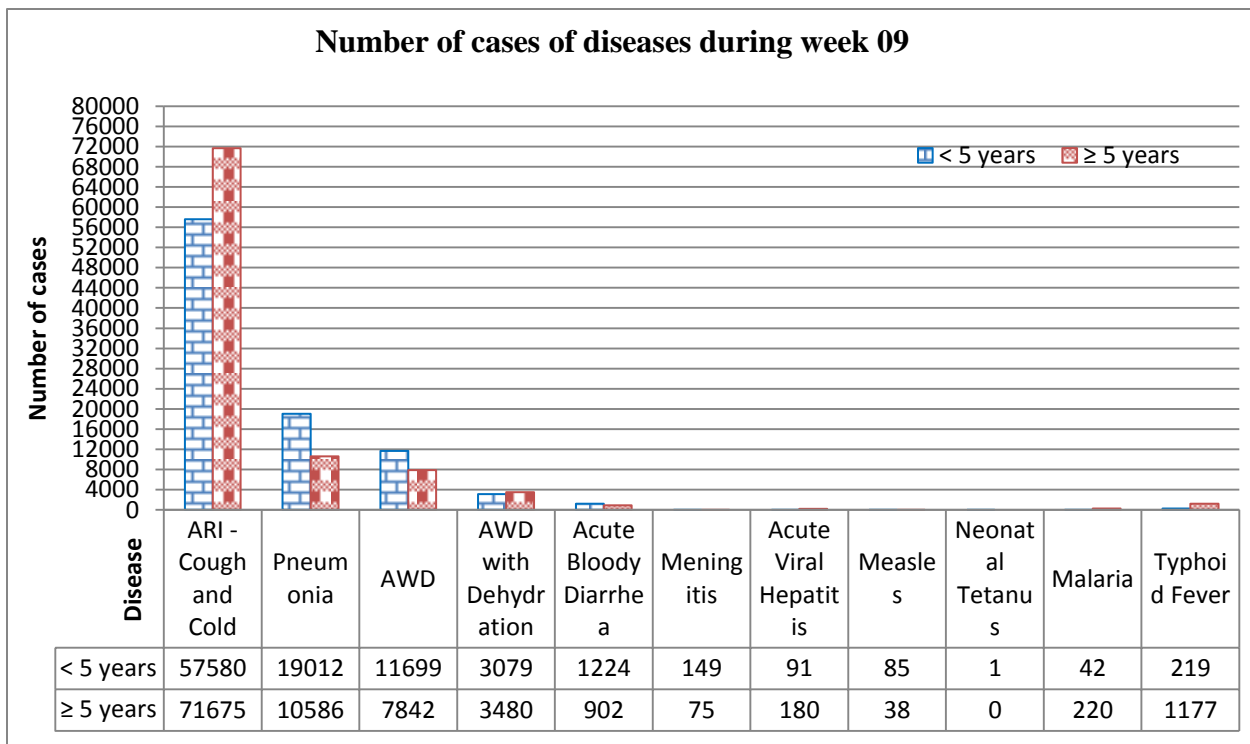
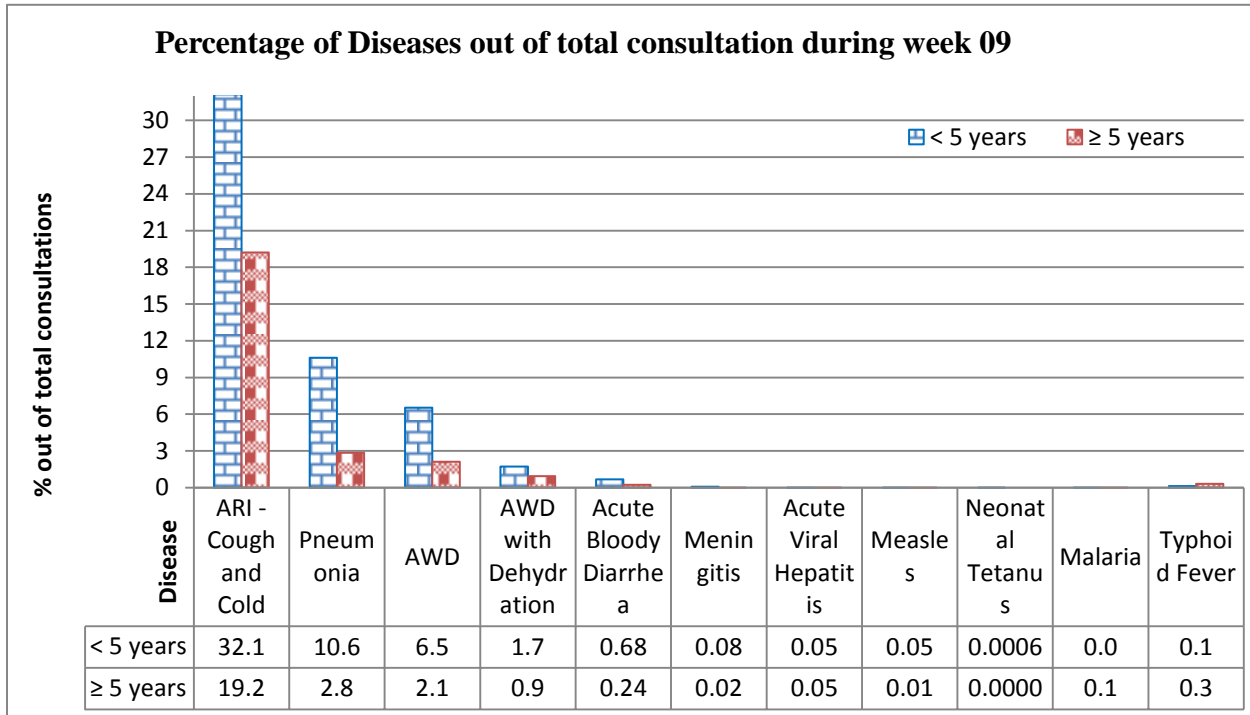
Table 1: Coverage of NDSR Surveillance System

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	441	1	50	13	19	633

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

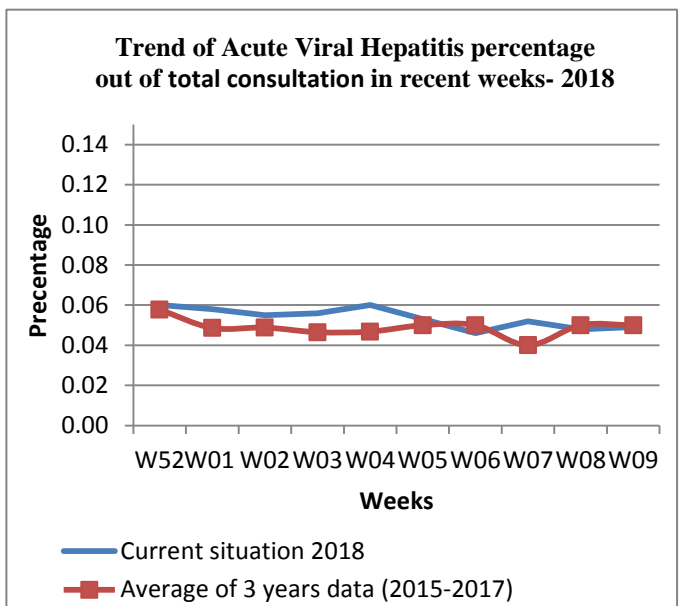
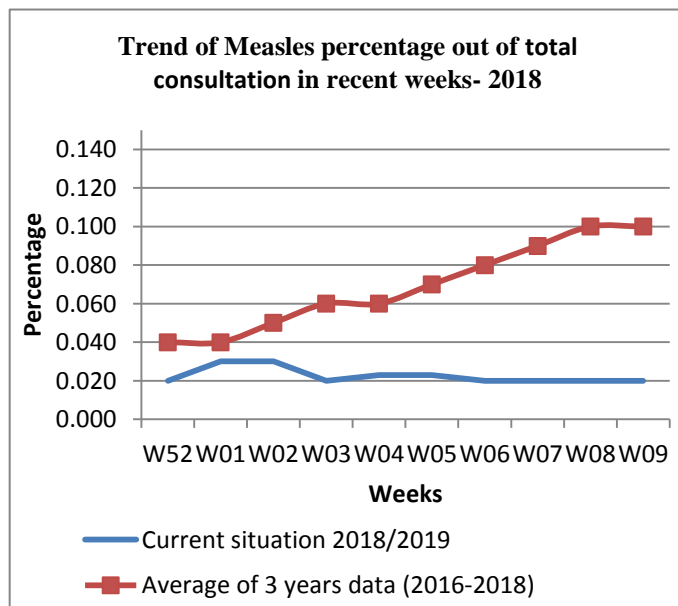
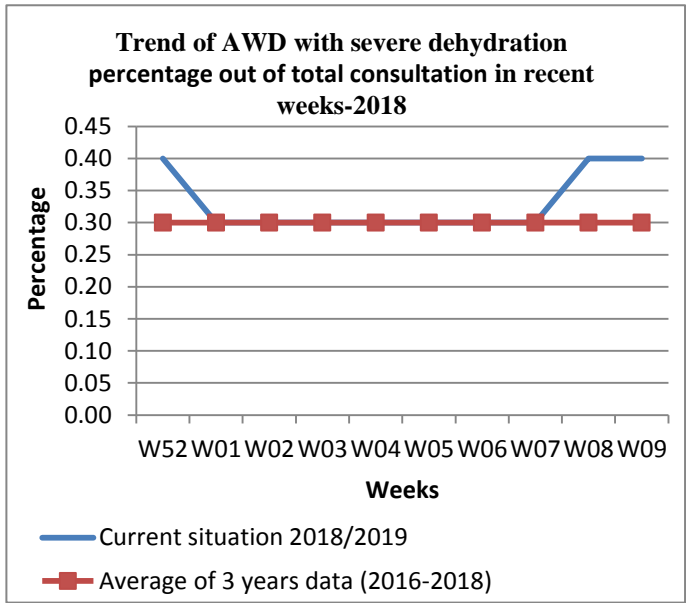
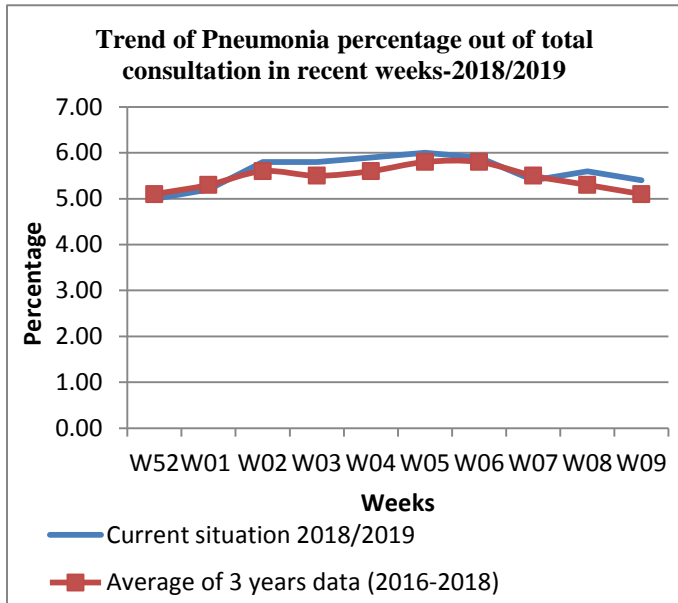


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 09th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	85	38	123	0	0	0	0.00
Pertussis	1	1	2	0	0	0	0.00
Neonatal tetanus	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 09th total of 08 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		
2 Feb 2019	Kapisa	Mahmodraqi	Rigrawan	1	0	5 Y	Child	During this week three suspected CCHF cases were reported from Kapisa, Kandahar and Faryab provinces, had probable contact with animals or the tissues of the animal, case management was done, health education sessions were conducted. Case Fatality rate for CCHF was 0% (per 100) in this week		
25 Feb 2019	Kandahar	District # 1	Are Mashinan	1	0	70 Y	Other			
27 Feb 2019	Faryab	Maimana	Yambullaq	1	0	9 Y	Student			
Suspected Scabies outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
3 March 2019	Ghazni	Center of ghazni	Darol Etam	10	0	In this week two clinical Chickenpox outbreaks were reported from Ghazni and Wardak provinces, the outbreaks were investigated, case management was done for all the cases, health education session were conducted as well.				
19 Feb 2019	Wardak	Sayed Abad	Otaree	29	0					
Suspected Leishmaniasis outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
26 Feb 2019	Laghman	Qarghaee	Charbagh	18	0	In this week one Leishmaniasis outbreak was reported from Laghman province, the outbreak was investigated, case management was done for all the cases, health education session was conducted.				
Suspected Pertussis outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take

26 Feb 2019	Baghlan	Pulikho mri	Chapi Dara	0	2	2	0	80%	91%	In this week one Pertussis outbreak was investigated, case management was done for all the cases, vaccination plan was prepared for the eligible children of the target area, health education session was conducted as well.
ARI /suspected outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
28 Feb 2019	Jawzjan	Sheberghan	Sheberghan city	629	0	In this week one ARI outbreak was reported from Jawzjan 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 09th, 2019

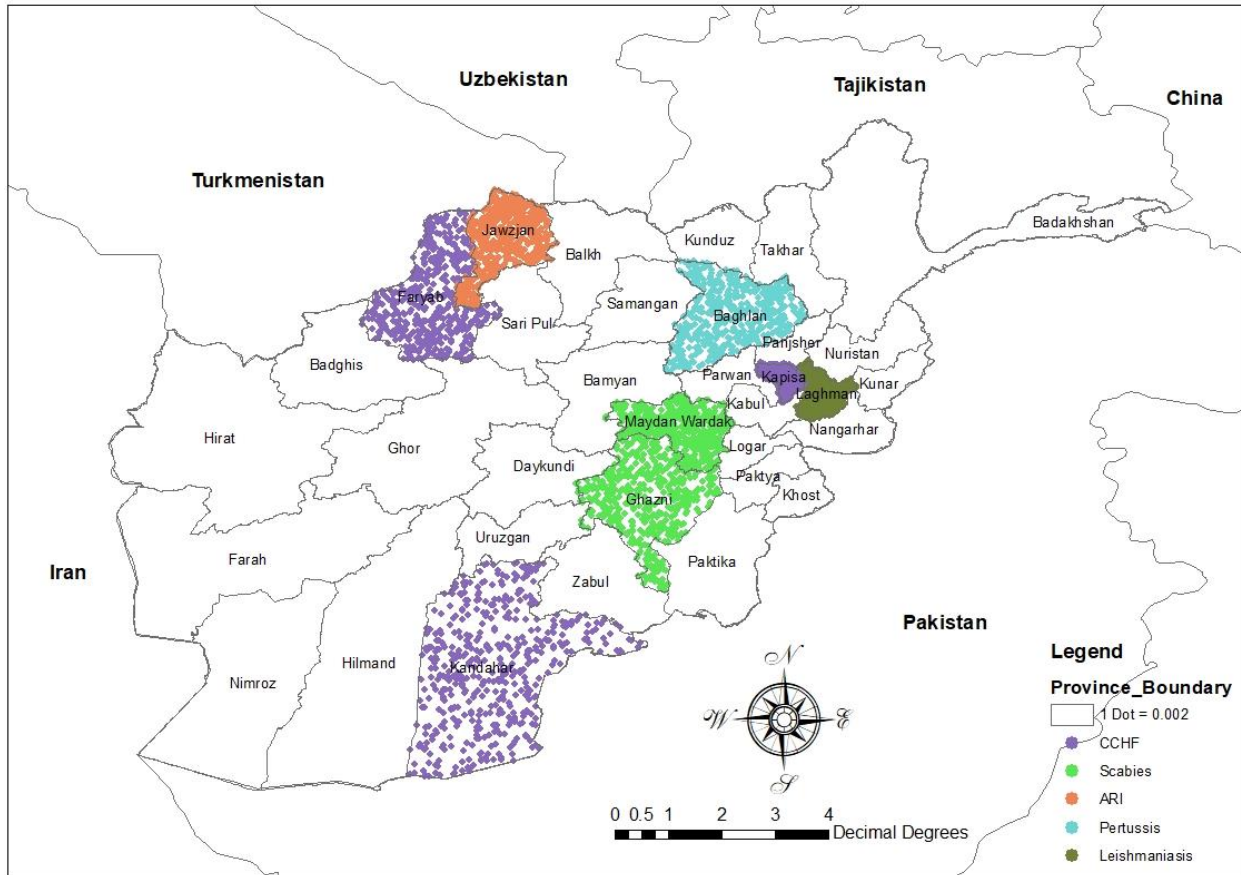


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 02 March 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	9	1	9	1
Measles	7	4	50	0
Chickenpox	4	0	51	0
Dog bites/Suspected Rabies	4	2	37	1
Leishmaniasis	3	2	85	0
Coal Poisoning	2	0	8	2
Scabies	2	0	39	0
Acute Viral Hepatitis	1	1	33	0
ARI	1	0	629	0
Pneumonia	1	0	51	3
Unknown Hemorrhagic	1	0	9	1
Pertussis	1	0	2	0
Grand Total	36	10	1003	8

Laboratory surveillance:

In this week a total of 157 different specimens/samples were received by CPHL, out of which 11 specimens were positive and 05 specimens were negative for Measles and 02 specimens were negative for Pertussis while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 9, 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, 272(6.7%) Sever Acute Respiratory Infections cases were reported and 54 % of them were among under 5 years old. The proportion of SARI cases decreased than week 8, 2019. There were 11 SARI associated deaths reported in this week and most of them were among under 5 children.

In EPI week 9, our National Influenza Center (NIC) received 60 SARI and 36 ILI specimens from all 9 surveillance sites, all sample are under the process.

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.