



National Disease Surveillance & Response (NDSR)

Weekly Epidemiological Report–05th

27 Jan to 02 Feb 2019

Summary:

- Out of 602 functional Surveillance sentinel sites, 596(99%) have submitted reports this week.
- Out of a total of 546,063 new consultations, 196,743(36%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 134,372 cases, 24.6% out of total new consultations and Pneumonia, 32,548 cases, 6% out of total new consultations) and Acute Diarrheal Diseases, 27,337 cases, 5% out of total new consultations.
- A total of 254 deaths were reported this week, of which 76 were due to Surveillance targeted diseases, which includes 62 Pneumonia deaths, 08 Meningitis deaths, 02 Acute Watery Diarrhea with Dehydration deaths, 02 Acute Viral Hepatitis deaths and 02 Pregnancy related deaths reported from Zabul and Herat RH sentinel sites.
- Total of 06 outbreaks reported this week; of which 02 were CCHF outbreaks reported from Wardak and Helmand provinces, 02 Measles outbreaks reported from Daikundi and Zabul provinces, One Chickenpox outbreak reported from Saripul province and one Coal poisoning outbreak reported from Takhar province.

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

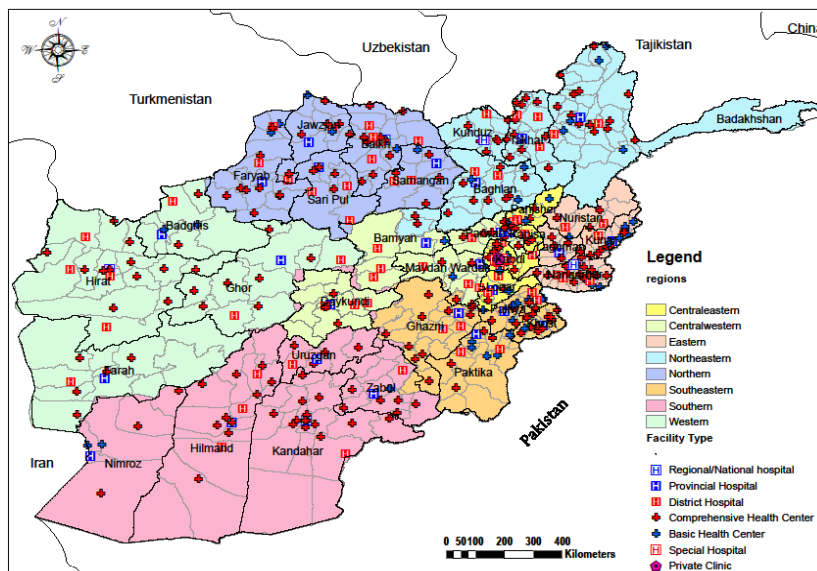


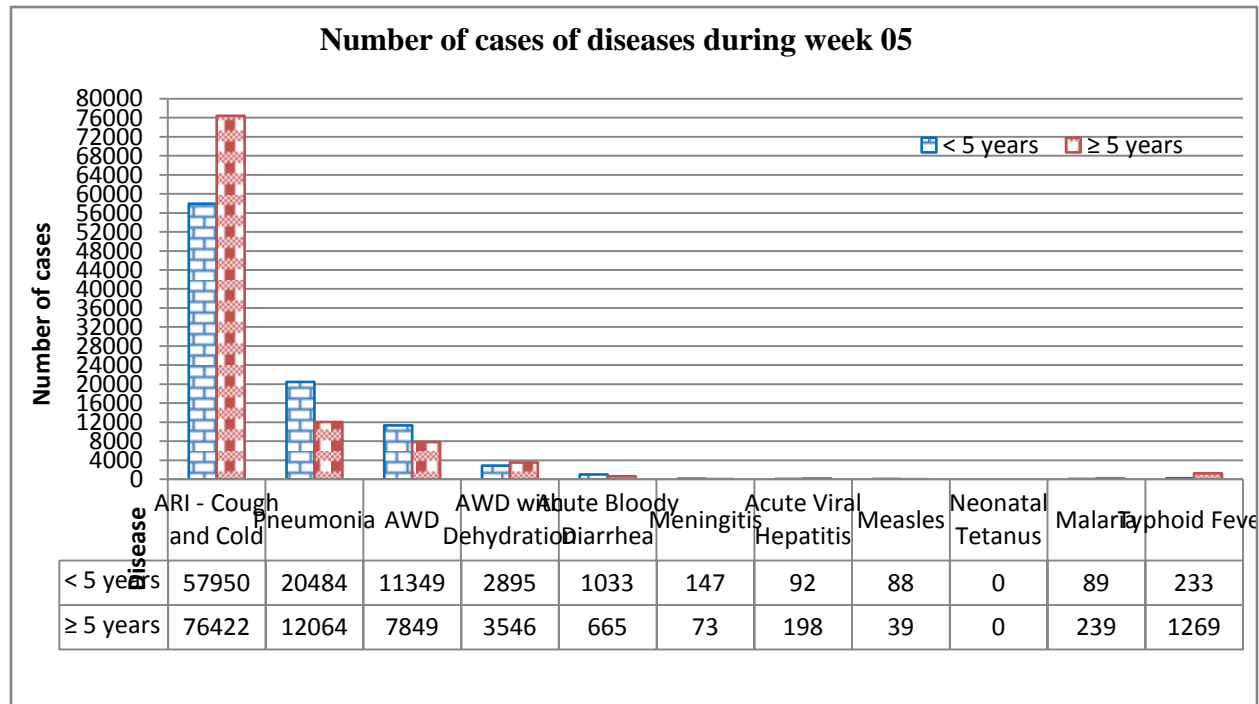
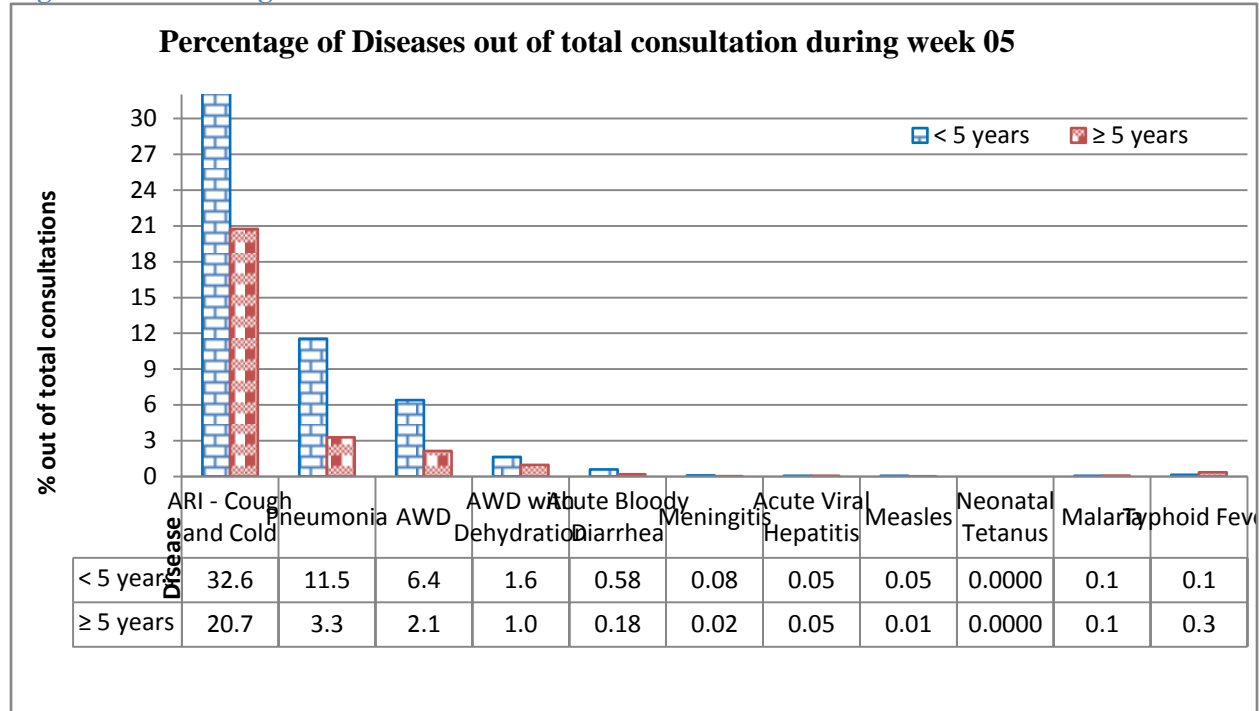
Table 1: Coverage of NDSR Surveillance System

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	421	1	49	13	9	602

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

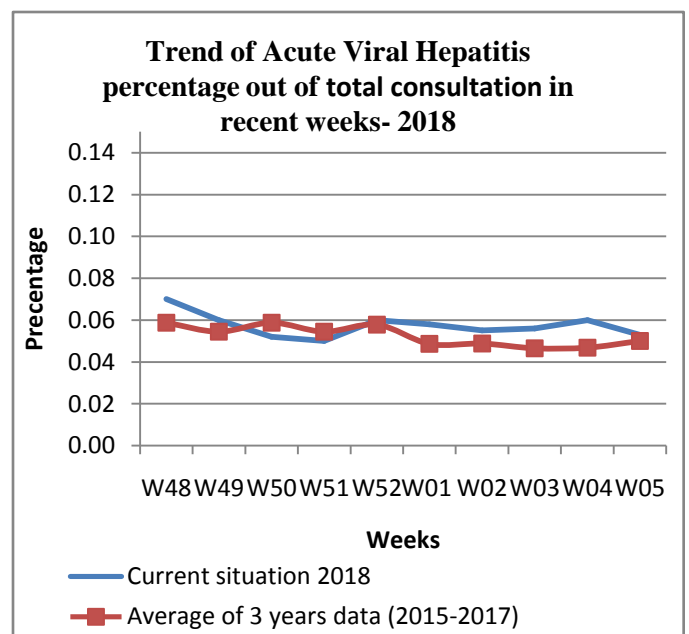
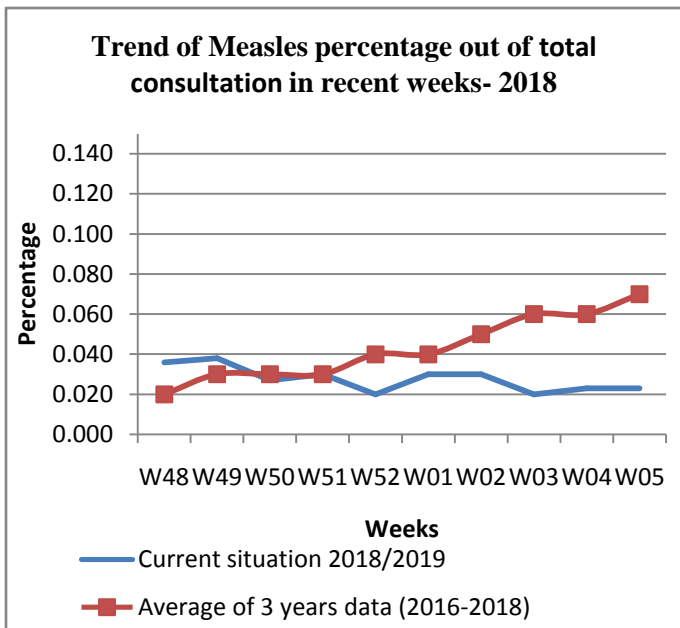
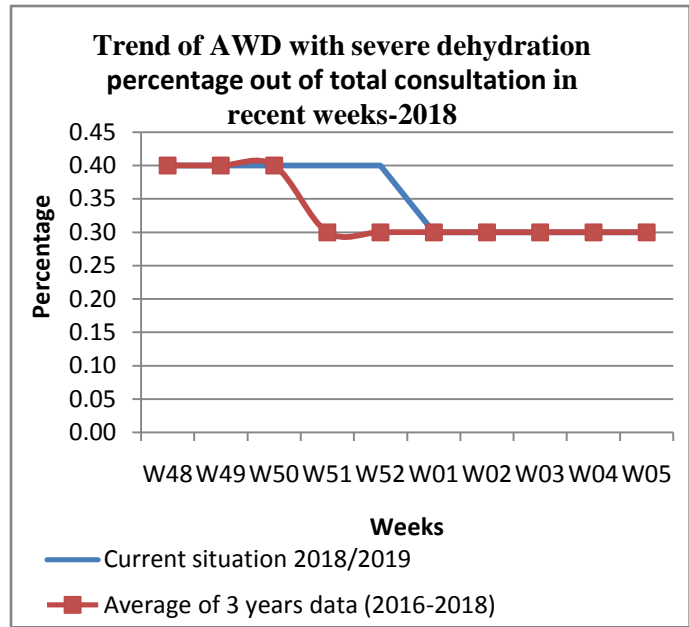
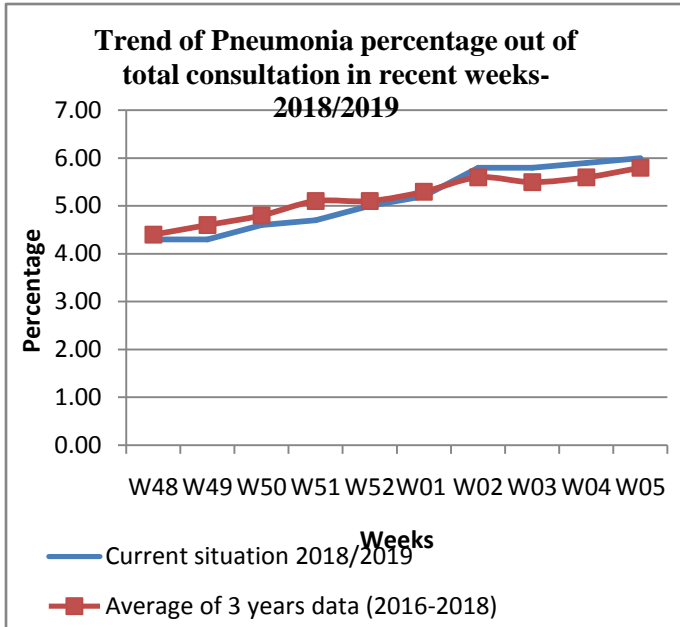


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 05th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	88	39	127	0	0	0	0.00

Seasonal Diseases:



During week 05th total of 06 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

CCHF Outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
27 Jan 2019	Wardak	Jaghto	SiahQoL	1	0	40 Y	Housewife	During this week 02 cases of CCHF were reported from Wardak and Helmand provinces, had probable contact with animals or the tissues of the animal, case management was done for both cases, health education sessions were conducted. Case Fatality rate for CCHF was 0% (per 100) in this week		
26 Jan 2019	Hilmand	Lashkargah	Komitah	1	0	22 Y	Other			
Measles outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
26 Jan 2019	Daikundi	Miramoor	Polad	1	6	7	0	65%	Unknown	In this week 02 Measles outbreaks were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education session were conducted as well.
29 Jan 2019	Zabul	Qalat	Sara Shah	3	4	7	0	14%	80%	
Chickenpox outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	Recommendation/Action take		
28 Jan 2019	Sar-e-pul	Sar-e-pul	Bazar kona	4	5	9	0	In this week one Chickenpox outbreaks was reported from Sar-e-pul province, the outbreak was investigated, case management was done for all the cases, health education session was conducted as well.		
Coal poisoning Outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
30 Jan 2019	Takhar	Taluqan	Khaskapa	5	1	In this week the Coal poisoning cluster cases were reported from Takhar province (05 case and one death), investigation was conducted, case management was done for all the cases (oxygen and IV fluid), health education session was conducted to prevent further such events.				

Figure 3: Outbreaks investigated during the week 05th, 2019

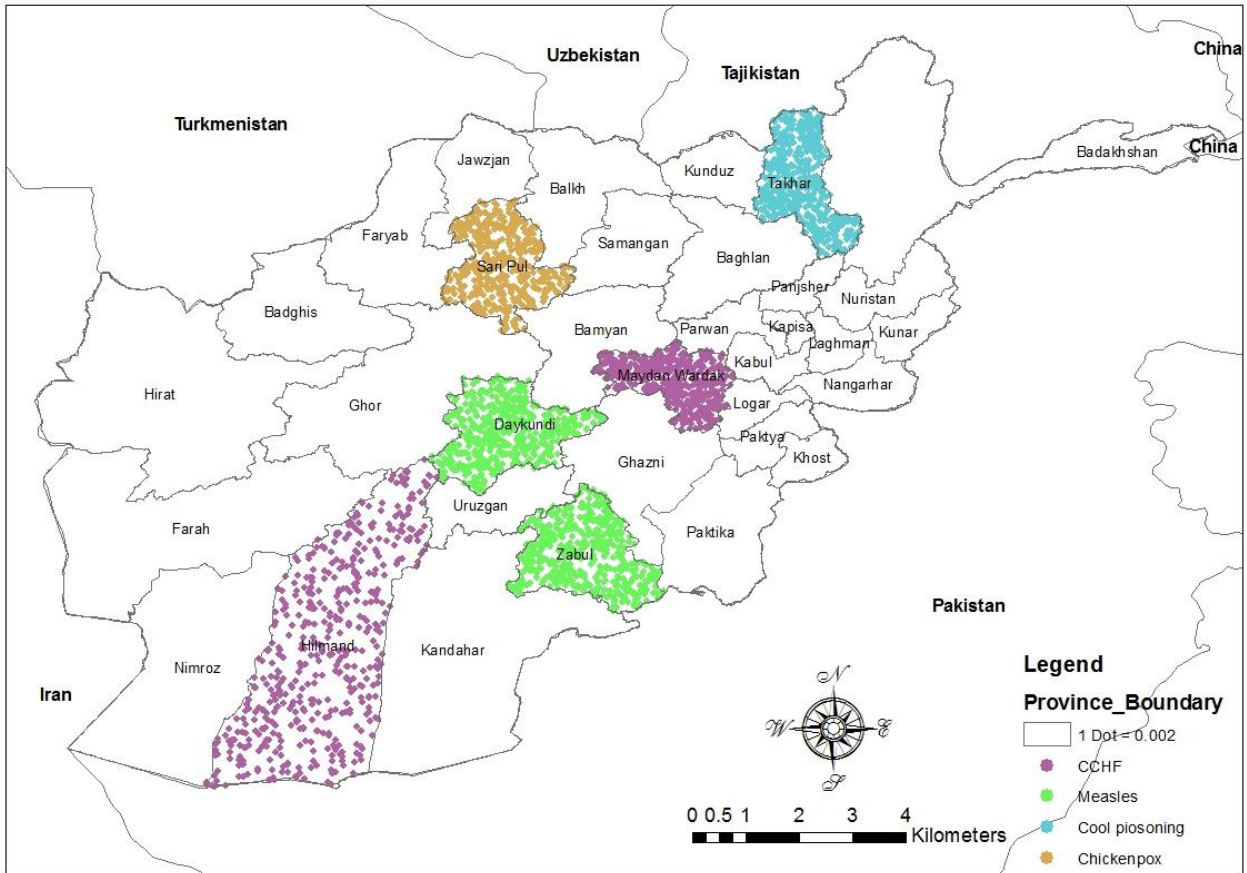


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 02 Feb 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	3	0	3	0
Measles	3	0	27	0
Chickenpox	2	0	13	0
Leishmaniasis	2	1	67	0
Dog bites/Suspected Rabies	2	1	17	1
Coal Poisoning	1	0	5	1
Pneumonia	1	0	51	3
Grand Total	14	2	183	5

Laboratory surveillance:

In this week a total of 129 different specimens/samples were received by CPHL, out of which 07 specimens were positive and 05 specimens were negative for Measles and 04 specimens were positive for Rubella while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 5 , 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, 338(8.2%) Sever Acute Respiratory Infections cases were reported and 64 % of them were among under 5 years old. The proportion of SARI cases decreased than week 4, 2019. There were 8 SARI associated deaths reported in this week and all of them were among under 5 children.

In EPI week 5, our National Influenza Center (NIC) received 59 SARI and 34 ILI specimens from all 9 surveillance sites. Our NIC confirmed Influenza Flu A H1N1 pd09 in 6 cases and Flu B Yamagata in one case by Real Time PCR . The confirmed cases were mainly from Baghlan and Bamyān provinces.

At the global level, OIE reported avian influenza H5N8 among poultry in Iran.

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.