



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-12th

Date: 17 to 23 Mar 2019

Summary:

- Out of 648 functional Surveillance sentinel sites, 618(95.3%) have submitted reports this week.
- Out of a total of 545,171 new consultations, 178,747(32.8%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 115,976 cases, 21.3% out of total new consultations and Pneumonia, 22,494 cases, 4.1% out of total new consultations) and Acute Diarrheal Diseases, 38,263 cases, 6.9% out of total new consultations.
- A total of 255 deaths were reported this week, of which 48 were due to Surveillance targeted diseases, which includes 44 Pneumonia deaths, 02 Pregnancy related deaths reported from Rabia balkhi and Sharan sentinel sites, one Acute Watery Diarrhea death and one Acute Viral Hepatitis death.
- Total of 04 outbreaks reported this week; of which one CCHF and one Measles outbreaks reported from Balkh province, one Measles outbreak reported from Wardak province and one Scabies outbreak reported from Kunduz province.

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

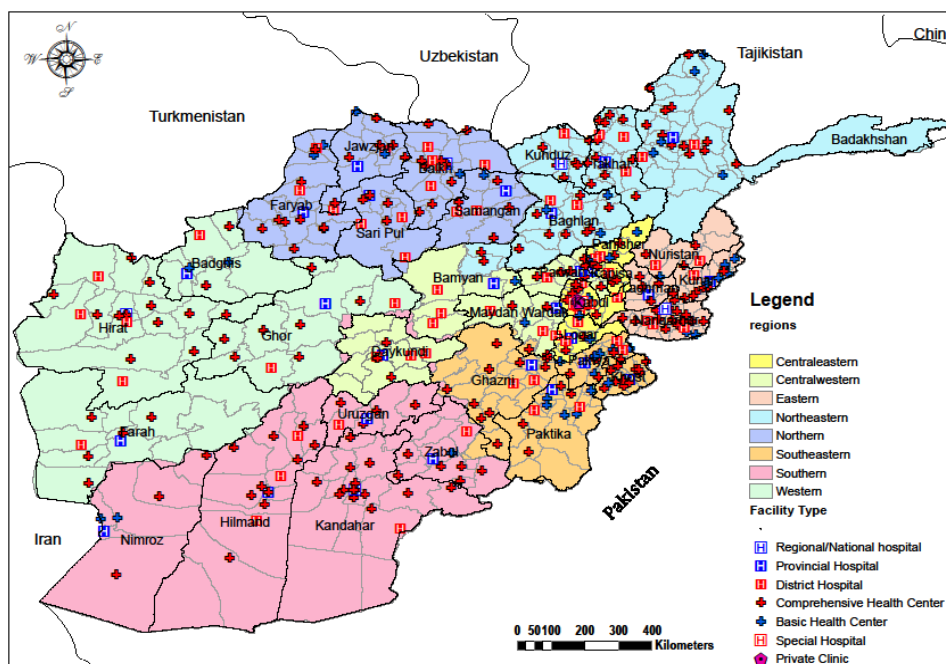


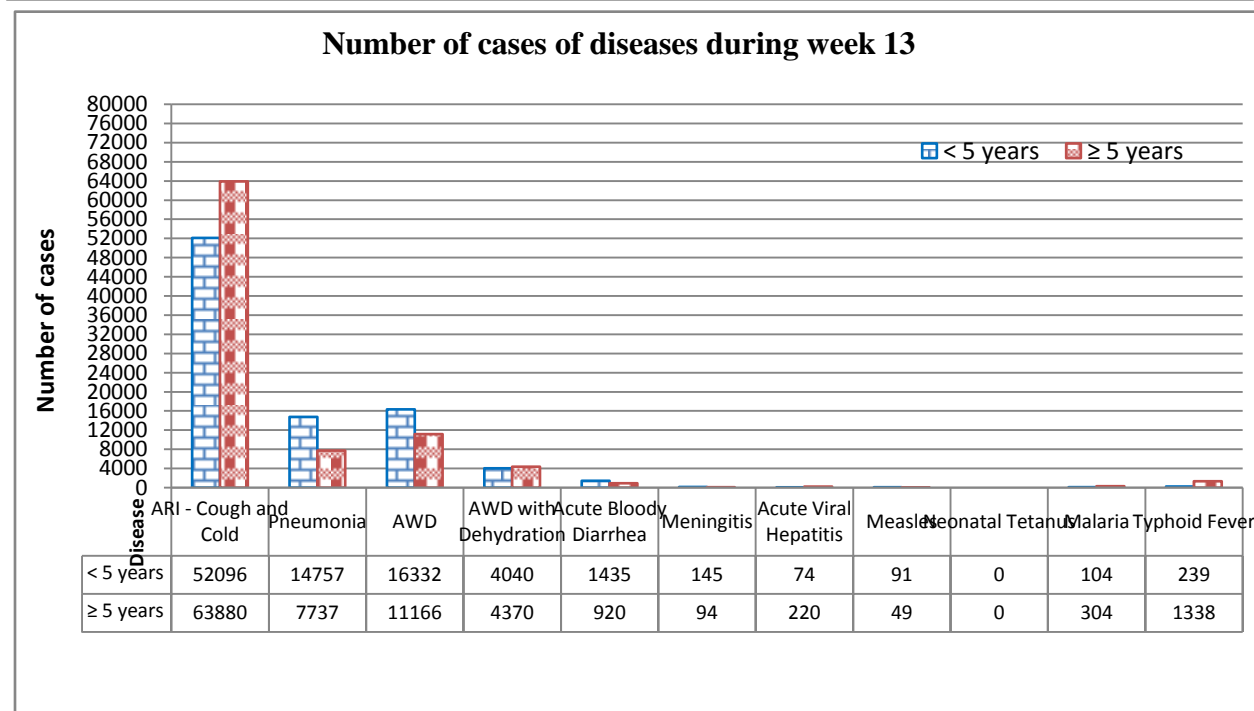
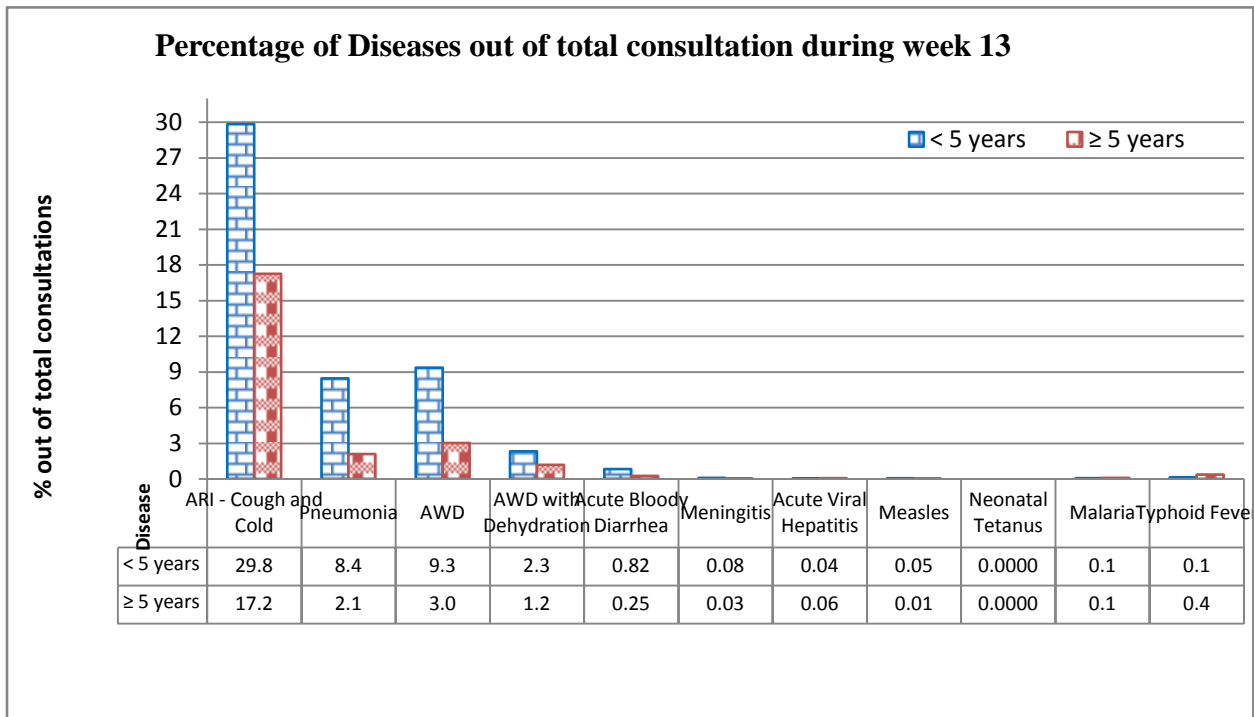
Table 1: Coverage of NDSR Surveillance System

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	450	1	50	13	25	648

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

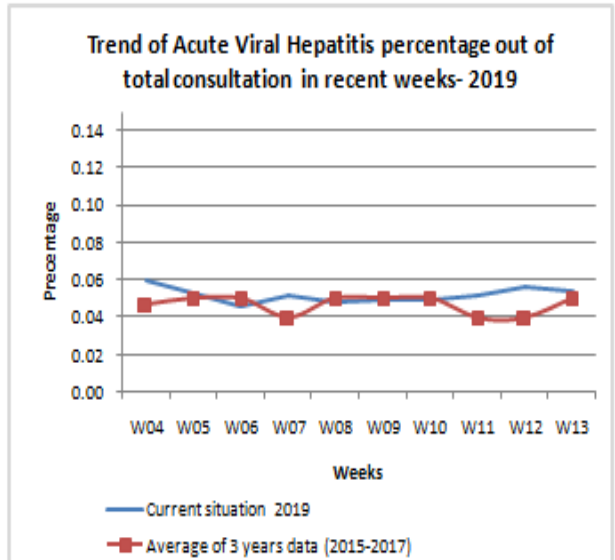
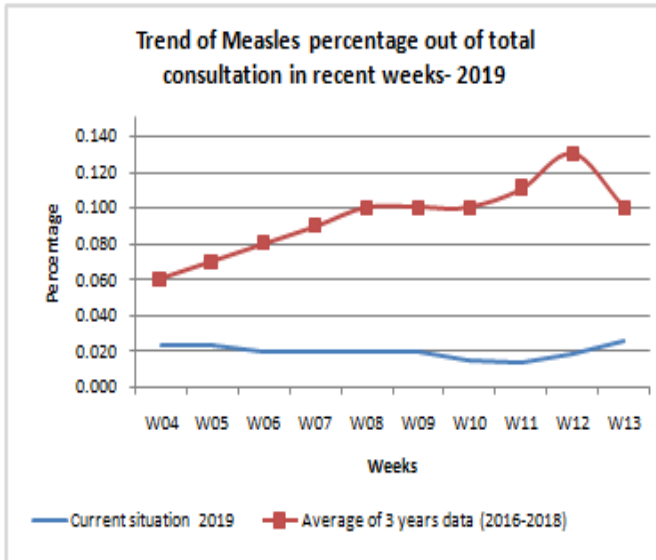
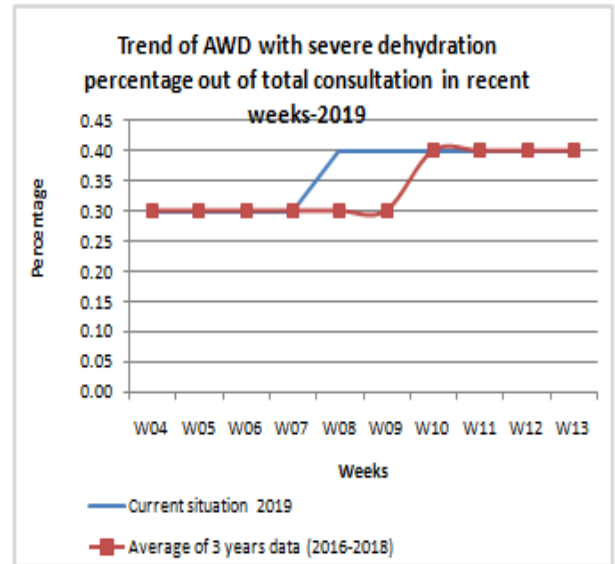
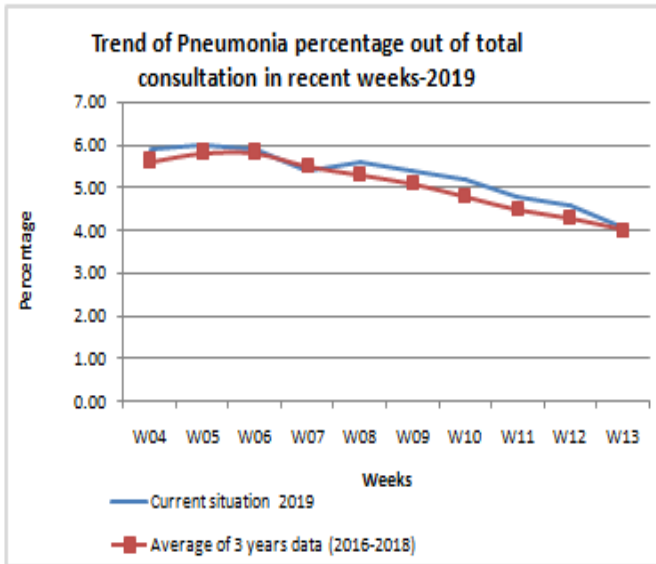


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 13th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	91	49	140	0	0	0	0.00
Pertussis	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 13th total of 04 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		
30 March 2019	Balkh	Char kent	Roza Ali	1	0	62 Y	Shepherd	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 0% (per 100) in this week		
Suspected Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	cover age %	Vaccination	Recommendation/Action take
26 March 2019	Balkh	Nahresh ai	Guzare karizi ha	2	4	6	0	84%	80%	In this week two Measles outbreaks were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education sessions were conducted as well.
25 March 2019	Wardak	Sayed abad	Abdara	3	6	9	0	69%	UN	
Suspected Scabies Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
25 March 2019	Kunduz	Larkhabi	Mawlawibi k	0	46	46	0	In this week one Scabies outbreak was reported from Kunduz 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 13th, 2019

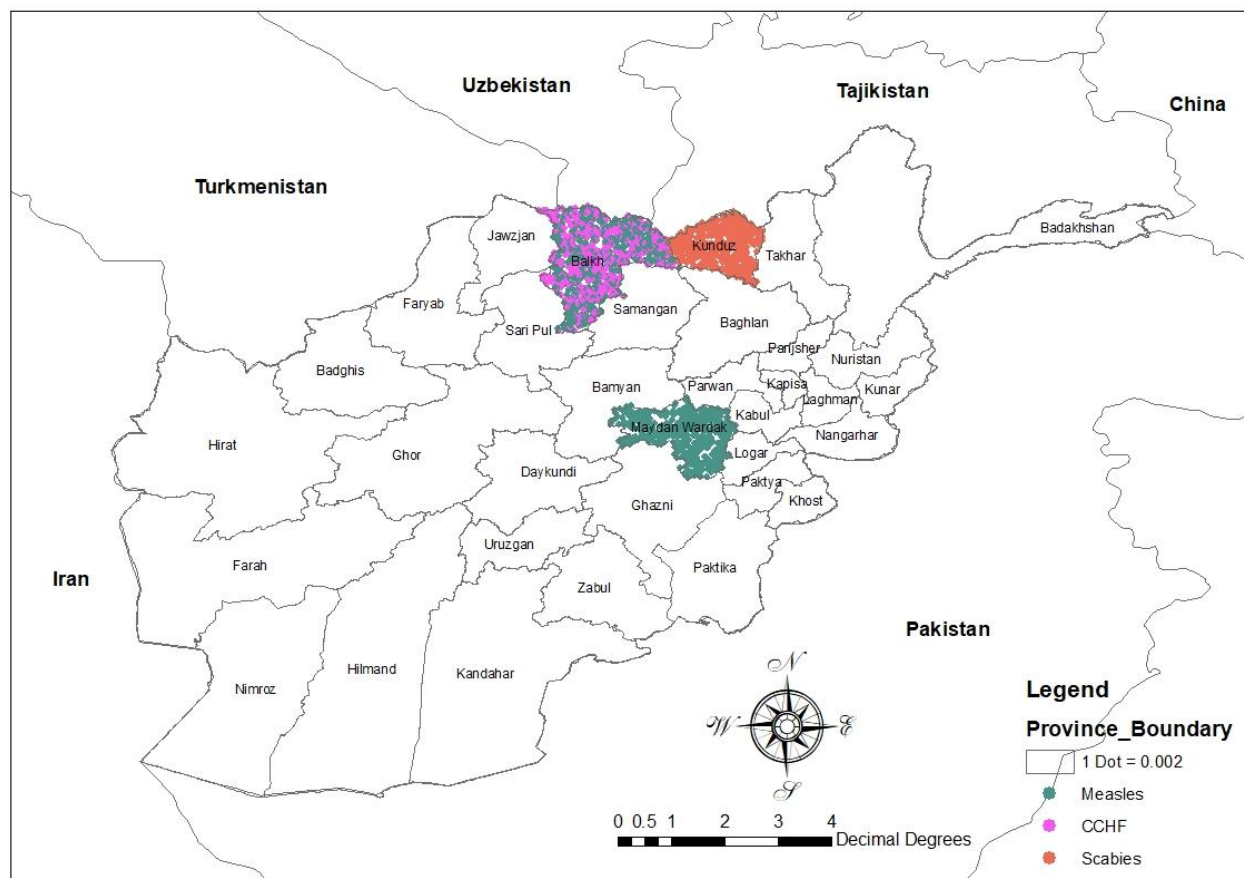


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 30 March 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	14	1	14	1
Measles	10	6	71	0
Chickenpox	5	0	58	0
Scabies	4	0	185	0
Dog bites/Suspected Rabies	4	2	37	1
Pertussis	3	0	33	0
Leishmaniasis	3	2	85	0
Coal Poisoning	2	0	8	2
Unknown Hemorrhagic	1	0	9	1
Acute Viral Hepatitis	1	1	33	0
Pneumonia	1	0	51	3
ARI	1	0	629	0
Grand Total	49	12	1213	8

Laboratory surveillance:

In this week a total of 127 different specimens/samples were received by CPHL, out of which 03 specimens were positive and 11 specimens were negative for Measles and 01 specimen was positive for Rubella while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 13, 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, 201(6.1%) Sever Acute Respiratory Infections cases were reported and 54% of them were among under 5 years old. The proportion of SARI cases was increased than week 12, 2019. There were 5 SARI associated deaths reported in this week and all of them were among under 2 year children.

In EPI week 13, our National Influenza Center (NIC) received 51 SARI and 32 ILI specimens from all 9 surveillance sites. The result of these samples are pending.

Recommendations:

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