



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-12th

Date: 17 to 23 Mar 2019

Summary:

- Out of 644 functional Surveillance sentinel sites, 619(96.1%) have submitted reports this week.
- Out of a total of 504,375 new consultations, 168,987(33.5%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 111,227 cases, 22.1% out of total new consultations and Pneumonia, 22,814 cases, 4.5% out of total new consultations) and Acute Diarrheal Diseases, 32,645 cases, 6.4% out of total new consultations.
- A total of 252 deaths were reported this week, of which 51 were due to Surveillance targeted diseases, which includes 42 Pneumonia deaths, 04 Meningitis deaths, 03 Pregnancy related deaths reported from Rabia balkhi, Khaikot and Namak ab sentinel sites, one Acute Watery Diarrhea death and one Acute Viral Hepatitis death.
- Total of 02 outbreaks reported this week; of which one was CCHF outbreak reported from Kabul province and one Pertussis outbreak reported from Paktika province.

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

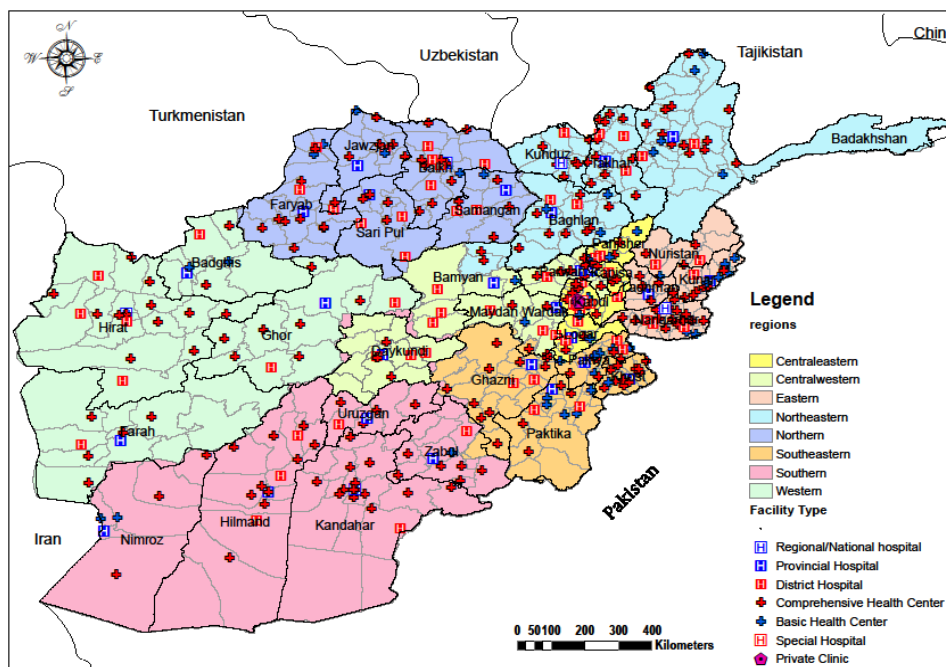


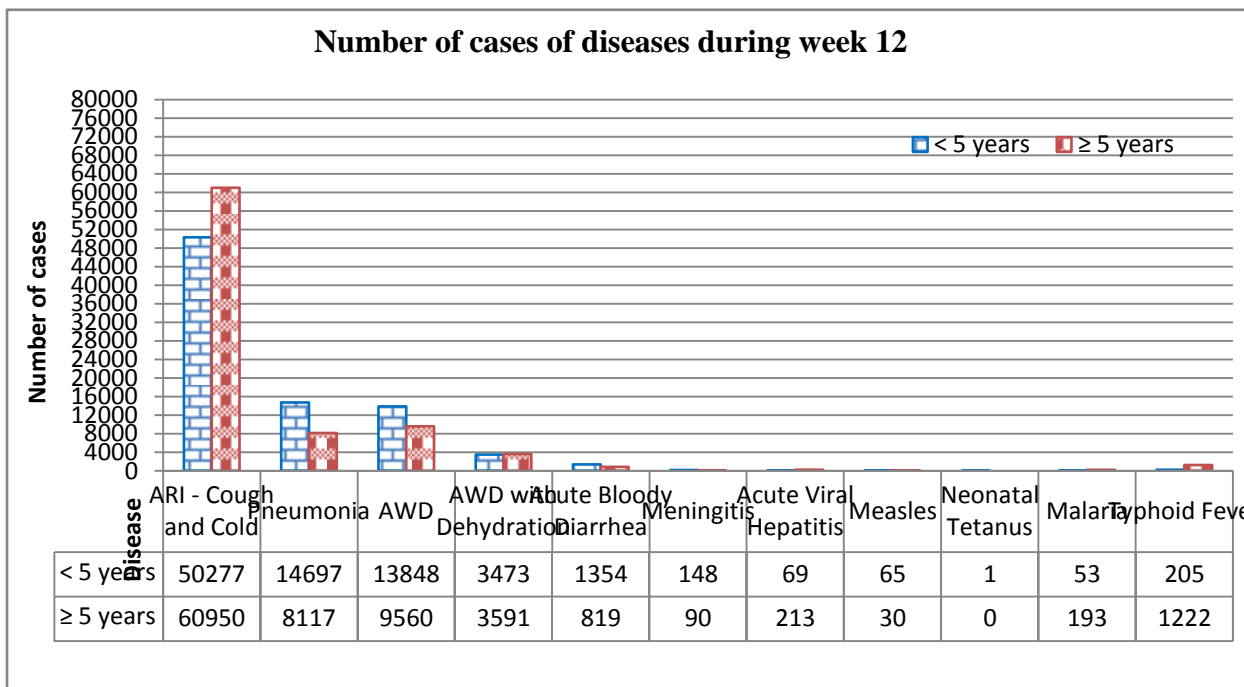
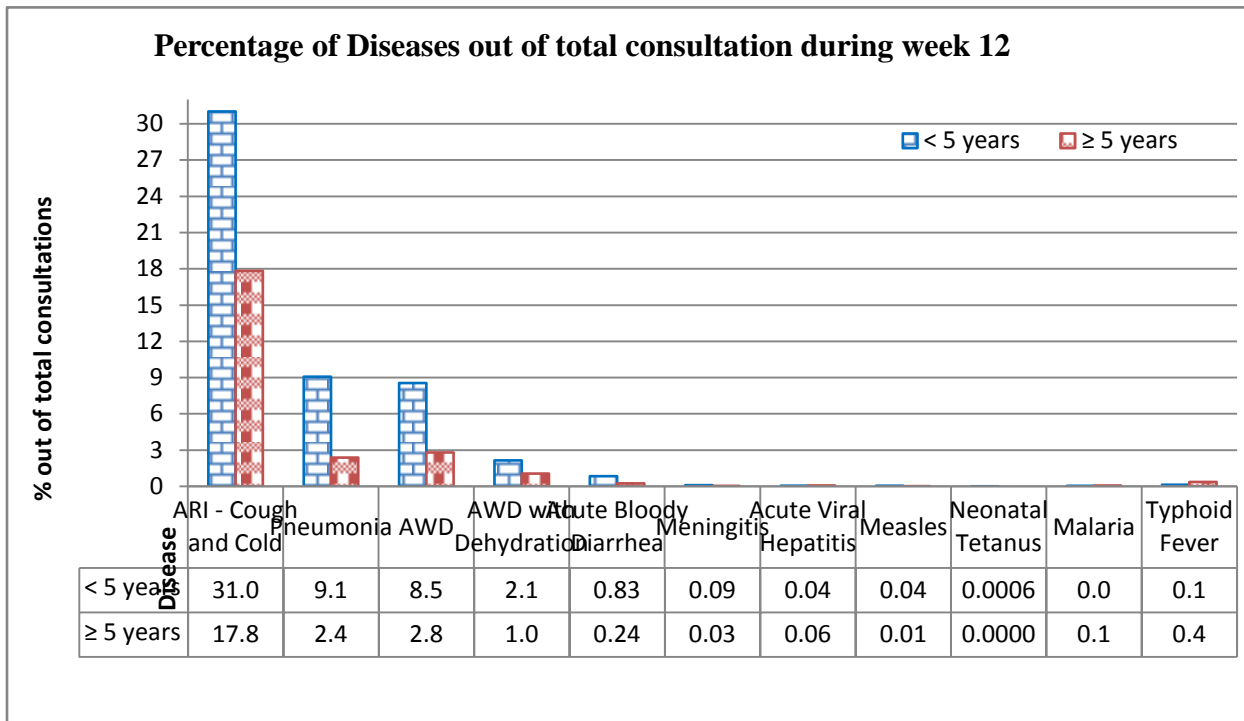
Table 1: Coverage of NDSR Surveillance System

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	448	1	50	13	22	644

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

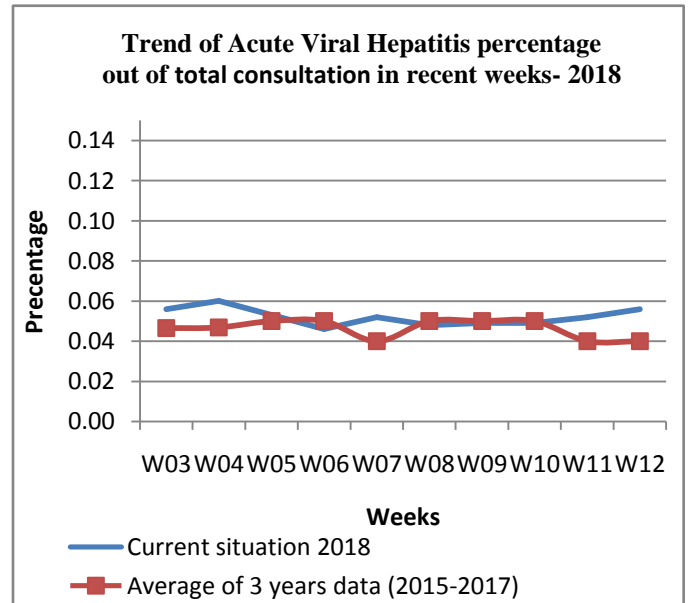
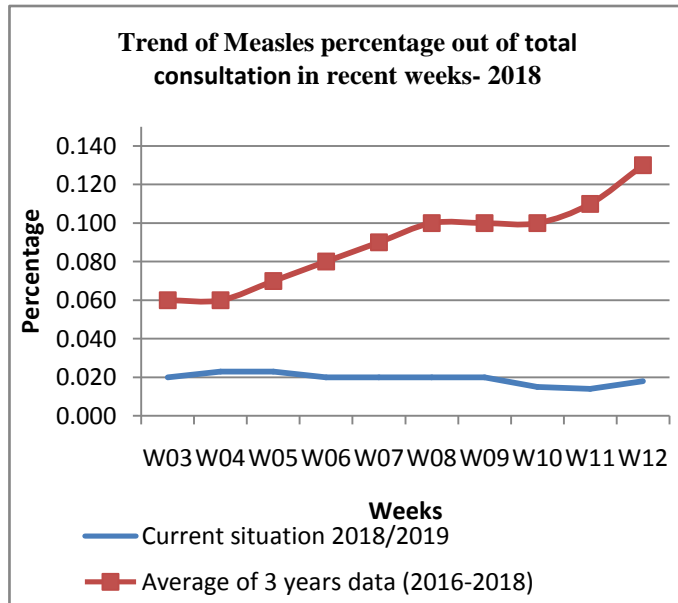
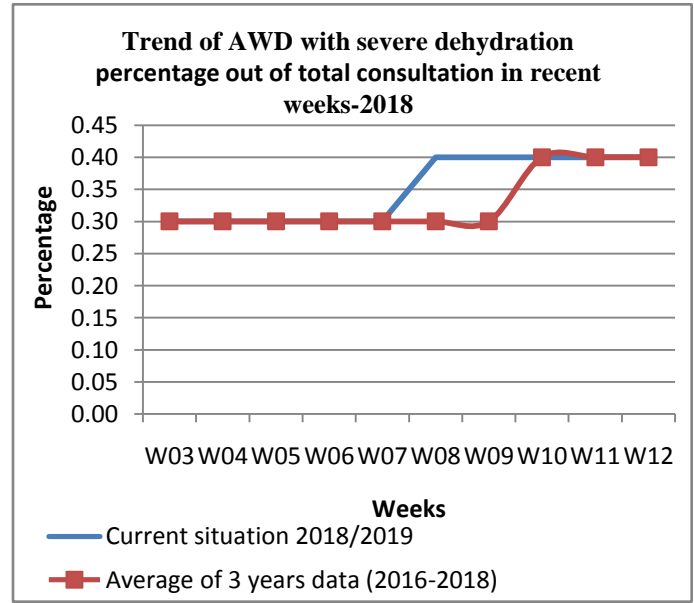
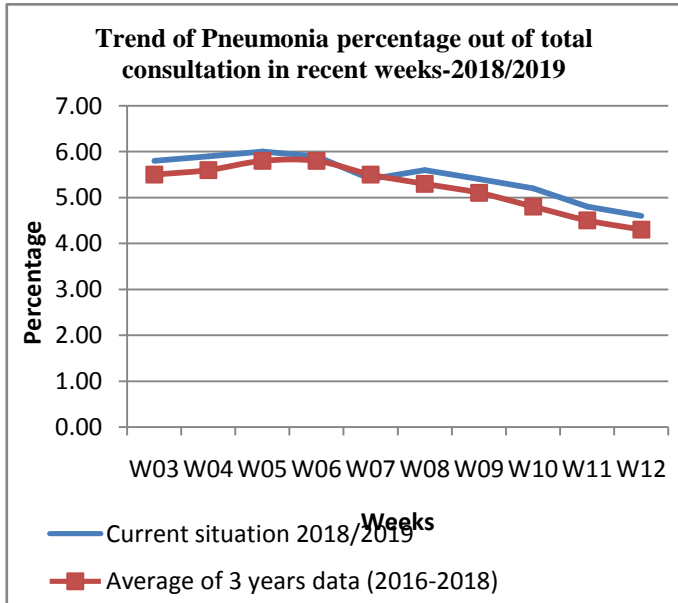


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 12th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	65	30	95	0	0	0	0.00
Pertussis	1	0	1	0	0	0	0.00
Tetanus	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 11th total of 03 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 March 2019	Kabul	District 16	Alokhail	1	0	20 Y	House wife	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 Pertussis outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
21 March 2019	Paktika	Sharan	Charada	5	1	6	0	25%	UN	In this week one Pertussis outbreak was investigated, case management was done for all the cases, vaccination plan was prepared for the eligible children, health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 12th, 2019

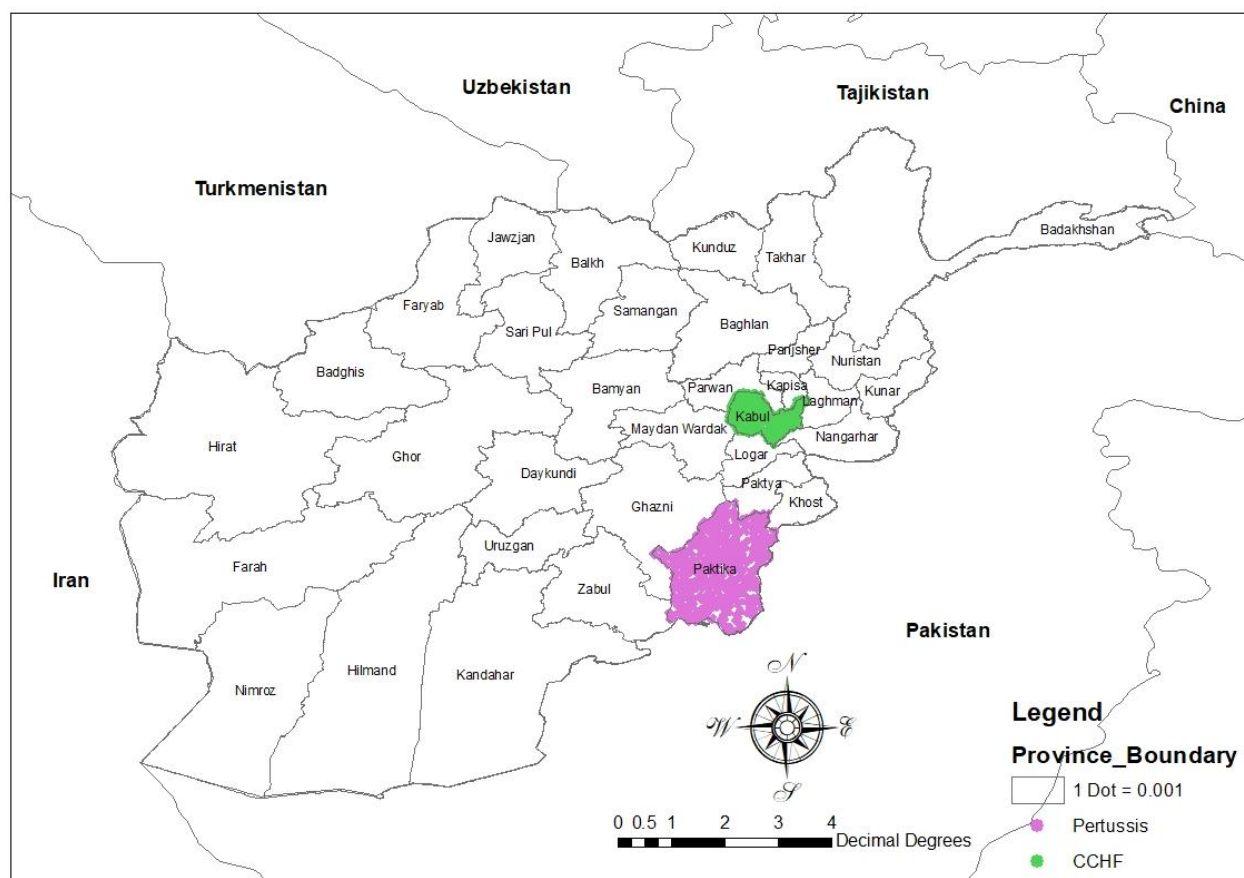


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 23 March 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	13	1	13	1
Measles	8	6	56	0
Chickenpox	5	0	58	0
Dog bites/Suspected Rabies	4	2	37	1
Scabies	3	0	139	0
Leishmaniasis	3	2	85	0
Pertussis	3	0	33	0
Coal Poisoning	2	0	8	2
Acute Viral Hepatitis	1	1	33	0
Unknown Hemorrhagic	1	0	9	1
Pneumonia	1	0	51	3
ARI	1	0	629	0
Grand Total	45	12	1151	8

Laboratory surveillance:

In this week a total of 137 different specimens/samples were received by CPHL, out of which 02 specimens were positive and 10 specimens were negative for Measles and 03 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 12, 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, 193(5.7%) Sever Acute Respiratory Infections cases were reported and 58% of them were among under 5 years old. The proportion of SARI cases was the same as week 11, 2019. There were 7 SARI associated deaths reported in this week and most of them were among under 2 years old.

In EPI week 12, our National Influenza Center (NIC) received 54 SARI and 34 ILI specimens from all 9 surveillance sites, in this week the NIC detected four influenza viruses including H3, H1N1 (pd0) and Flu B Yamagata .

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.