



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-11<sup>th</sup>

Date: 10 to 16 Mar 2019

### Summary:

- Out of 644 functional Surveillance sentinel sites, 622(96.6%) have submitted reports this week.
- Out of a total of 571,439 new consultations, 193,073(33.8%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 129,691 cases, 22.7% out of total new consultations and Pneumonia, 27,334 cases, 4.8% out of total new consultations) and Acute Diarrheal Diseases, 33,684 cases, 6% out of total new consultations.
- A total of 244 deaths were reported this week, of which 57 were due to Surveillance targeted diseases, which includes 42 Pneumonia deaths, 08 Meningitis deaths, 04 Pregnancy related deaths reported from Rabia balkhi, Lashkar gah and Rustaq sentinel sites, 02 Typhoid fever deaths and one Acute Viral Hepatitis death.
- Total of 03 outbreaks reported this week; of which 02 were CCHF outbreaks reported from Ghazni and Kabul provinces and one Pertussis outbreak reported from Paktika province.

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

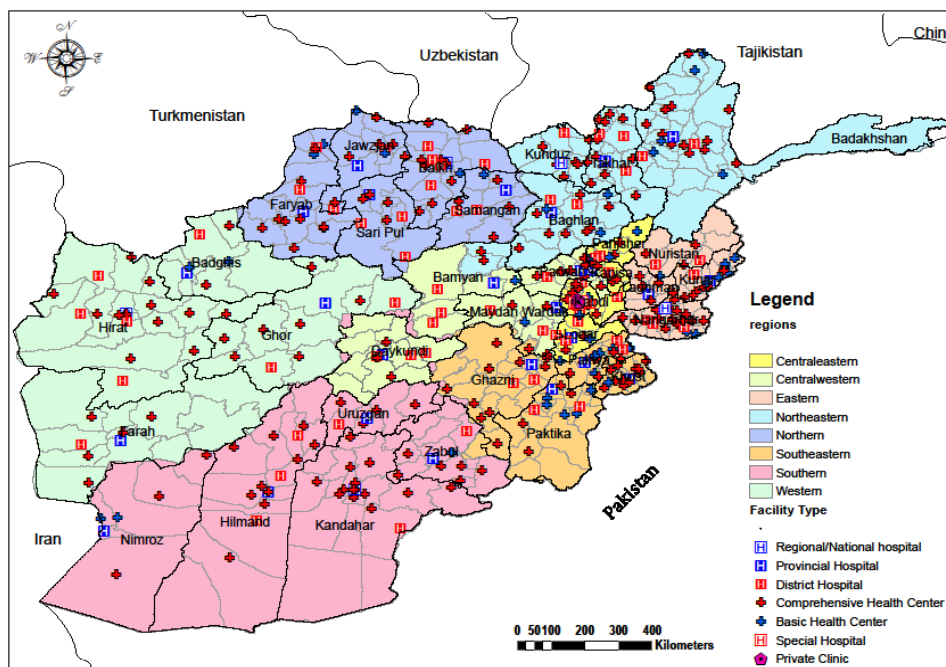


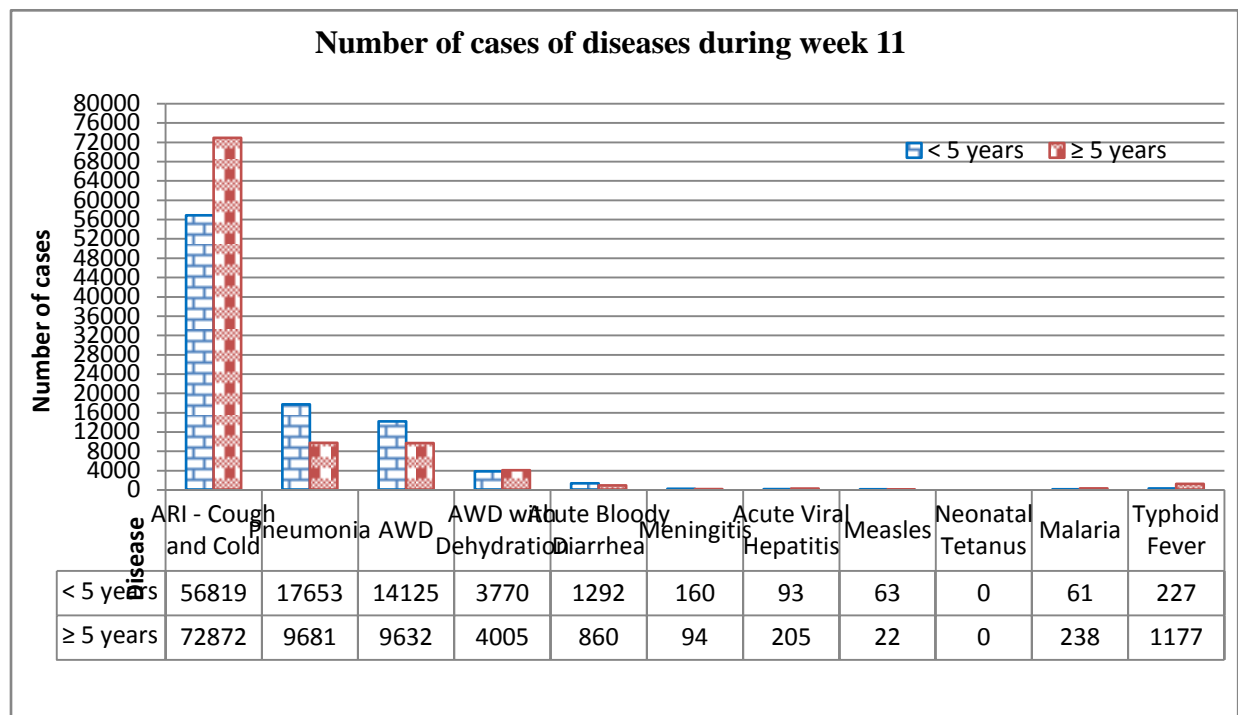
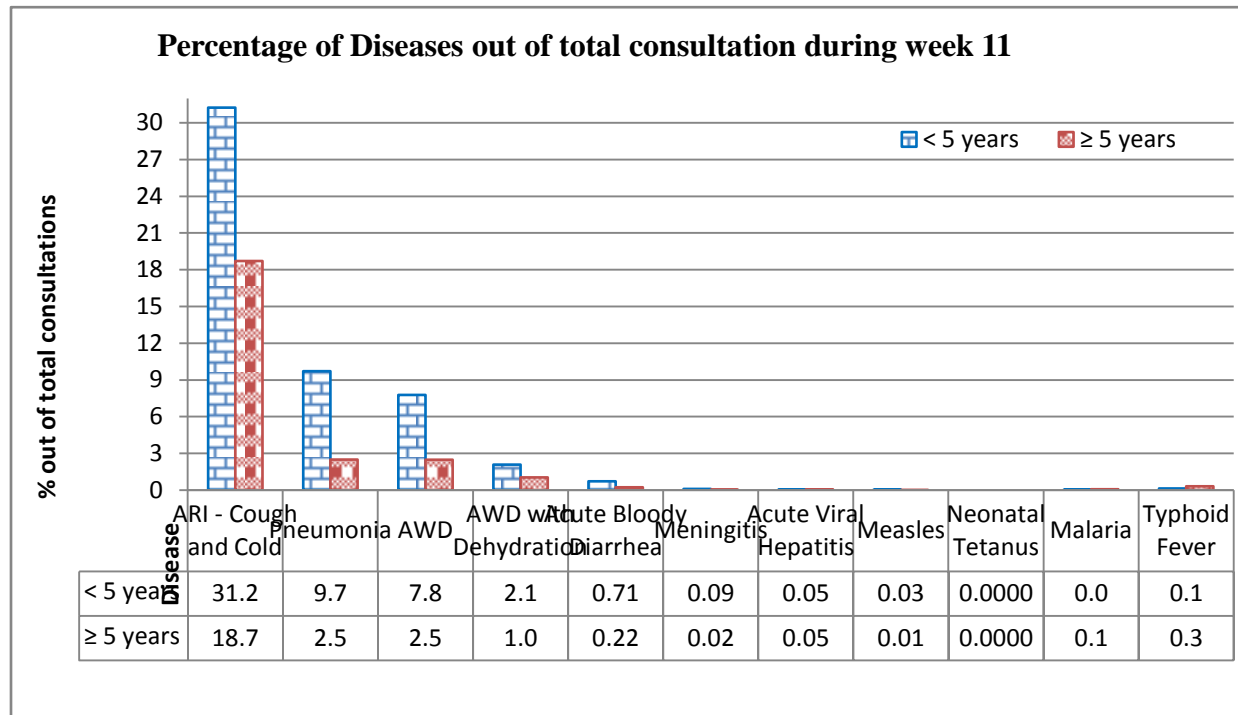
Table 1: Coverage of NDSR Surveillance System

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**

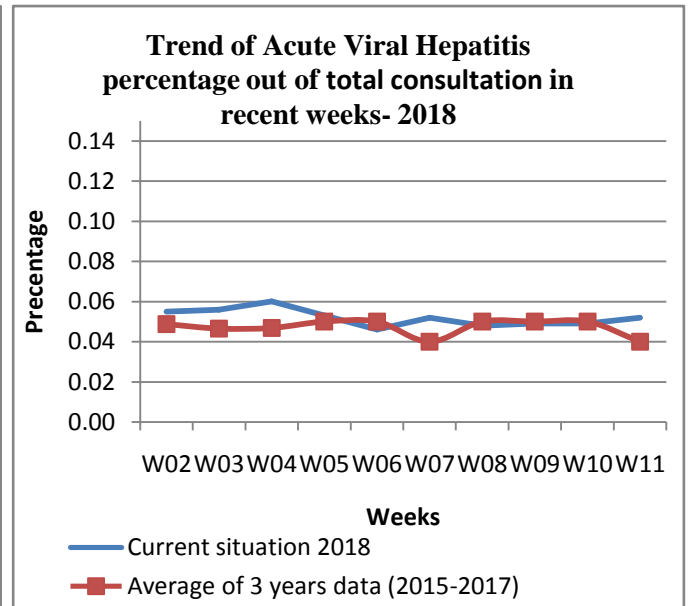
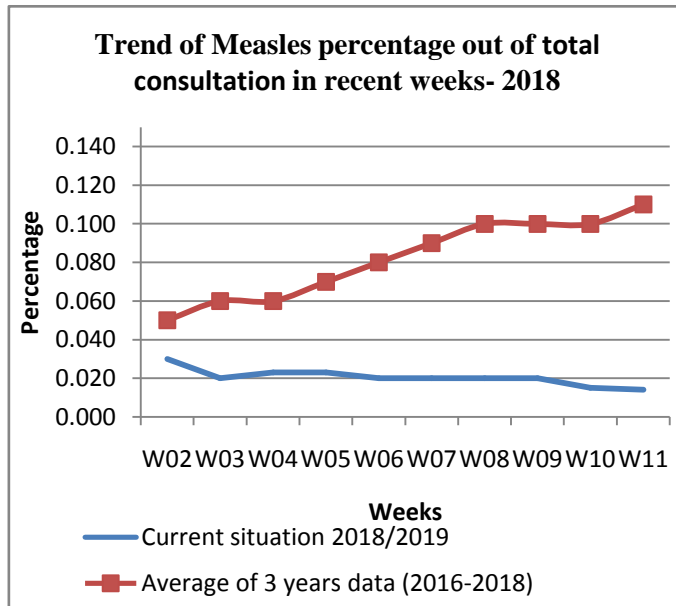
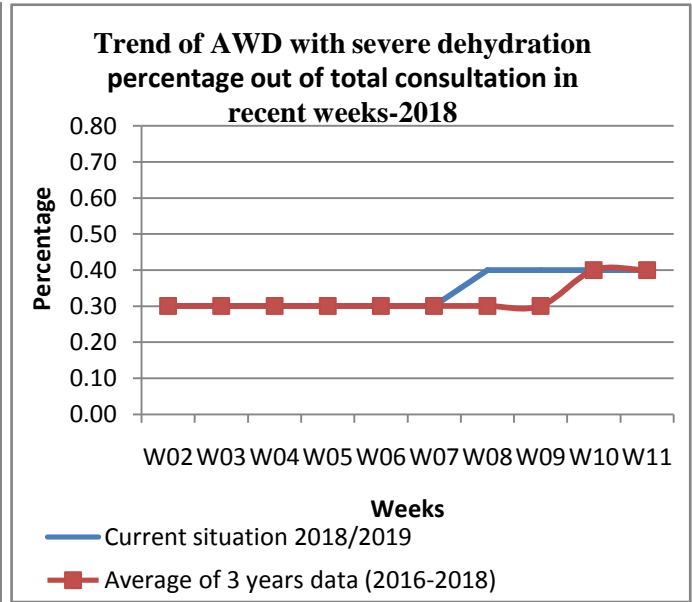
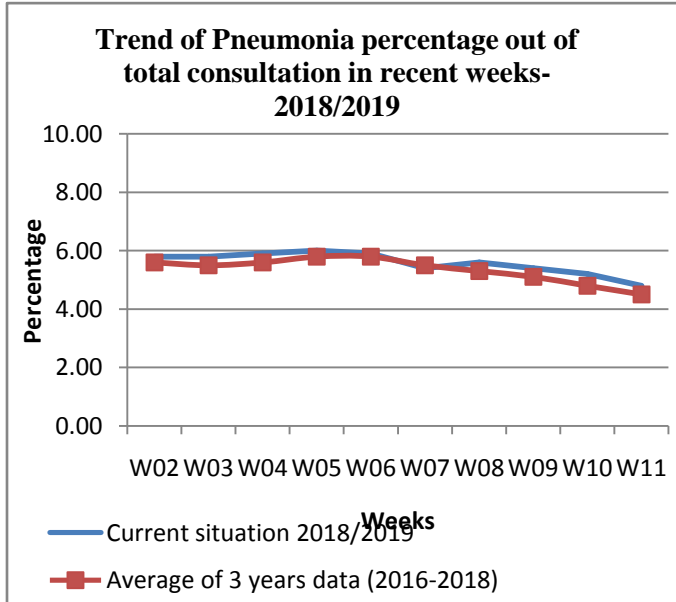


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 11<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	63	22	85	0	0	0	0.00
Pertussis	12	1	13	0	0	0	0.00

### Seasonal Diseases:



During week 11<sup>th</sup> total of 03 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

<b>Suspected CCHF Outbreak</b>										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
8 March 2019	Kabul	Gul Dara	Deh Bala	1	0	23 Y	Farmer	During this week two suspected CCHF cases were reported from Kabul and Ghazni 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		
11 March 2019	Ghazni	Dehyak	Ahmadzai	1	0	15 Y	Farmer			
<b>Suspected Pertussis outbreak</b>										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
13 March 2019	Paktika	Sharan	Charada	5	1	6	0	55%	Unknown	In this week one Pertussis outbreak was investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 11<sup>th</sup>, 2019

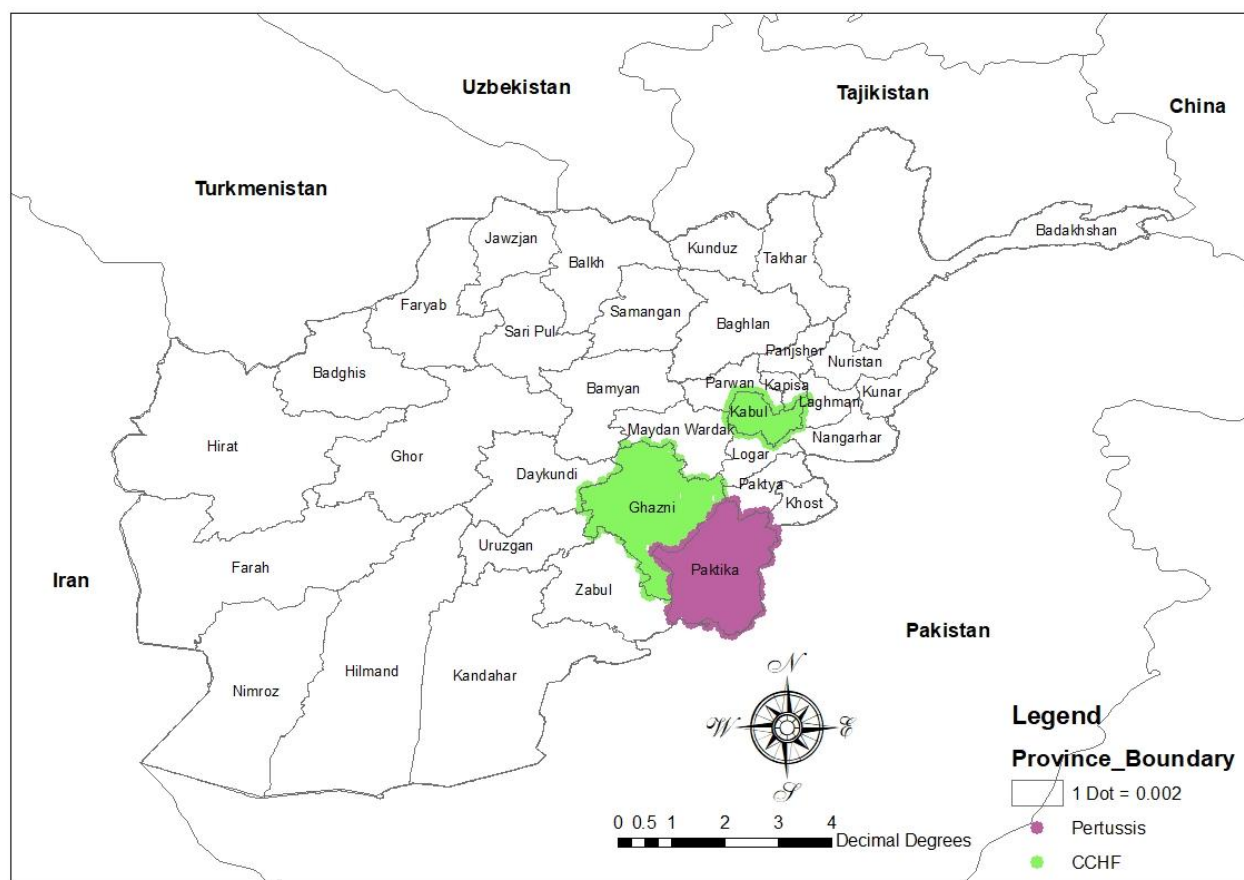


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 16 March 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	12	1	12	1
Measles	8	6	56	0
Chickenpox	5	0	58	0
Dog bites/Suspected Rabies	4	2	37	1
Leishmaniasis	3	2	85	0
Scabies	3	0	139	0
Coal Poisoning	2	0	8	2
Pertussis	2	0	8	0
Unknown Hemorrhagic	1	0	9	1
Acute Viral Hepatitis	1	1	33	0
Pneumonia	1	0	51	3
ARI	1	0	629	0
<b>Grand Total</b>	<b>43</b>	<b>12</b>	<b>1125</b>	<b>8</b>

### **Laboratory surveillance:**

In this week a total of 62 different specimens/samples were received by CPHL, out of which one specimen was negative for Measles and one specimen was negative for CCHF while the rest are under process. (Follow up by the CPHL is going on).

### **Influenza Surveillance activity**

In Epidemiologic week 11, 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, 207 (5.6%) Sever Acute Respiratory Infections cases were reported and 54% of them were among under 5 years old. The proportion of SARI cases was the same as week 10, 2019. There were 5 SARI associated deaths reported in this week and most of them were among under 5 children.

In EPI week 11, our National Influenza Center (NIC) received 50 SARI and 29 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 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.