



## National Disease Surveillance & Response (NDSR)

20 to 26 Jan 2019

### Weekly Epidemiological Report-04<sup>th</sup>

#### Summary:

- Out of 584 functional Surveillance sentinel sites, 576(98.2%) have submitted reports this week.
- Out of a total of 528,127 new consultations, 188,300(35.7%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 127,903 cases, 24.2% out of total new consultations and Pneumonia, 31,134 cases, 5.9% out of total new consultations) and Acute Diarrheal Diseases, 26,666 cases, 5% out of total new consultations.
- A total of 286 deaths were reported this week, of which 74 were due to Surveillance targeted diseases, which includes 61 Pneumonia deaths, 09 Meningitis deaths, 02 Acute Diarrheal Disease deaths and 02 Pregnancy related deaths reported from Shahid Ahmad shah Masood and Herat RH sentinel sites.
- One chickenpox outbreak reported from Ghazni province.

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

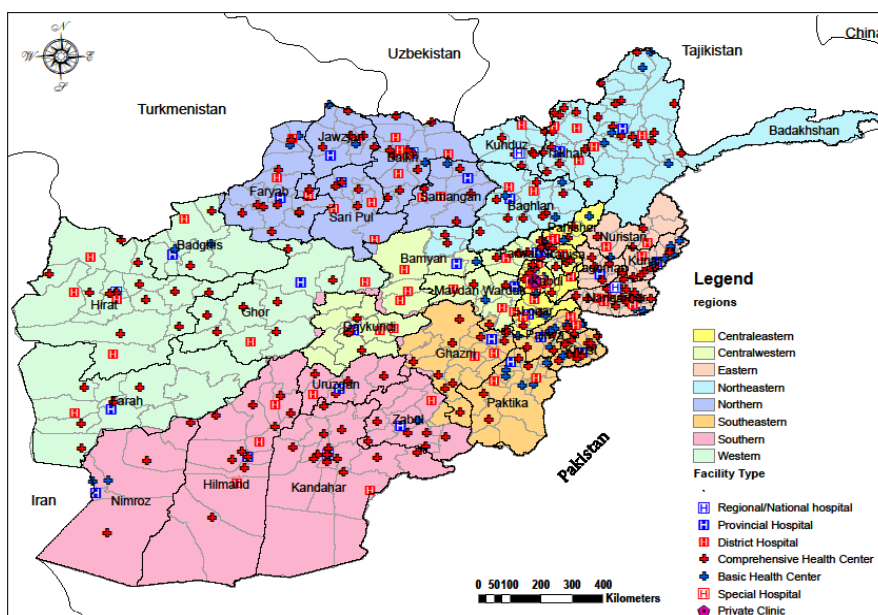


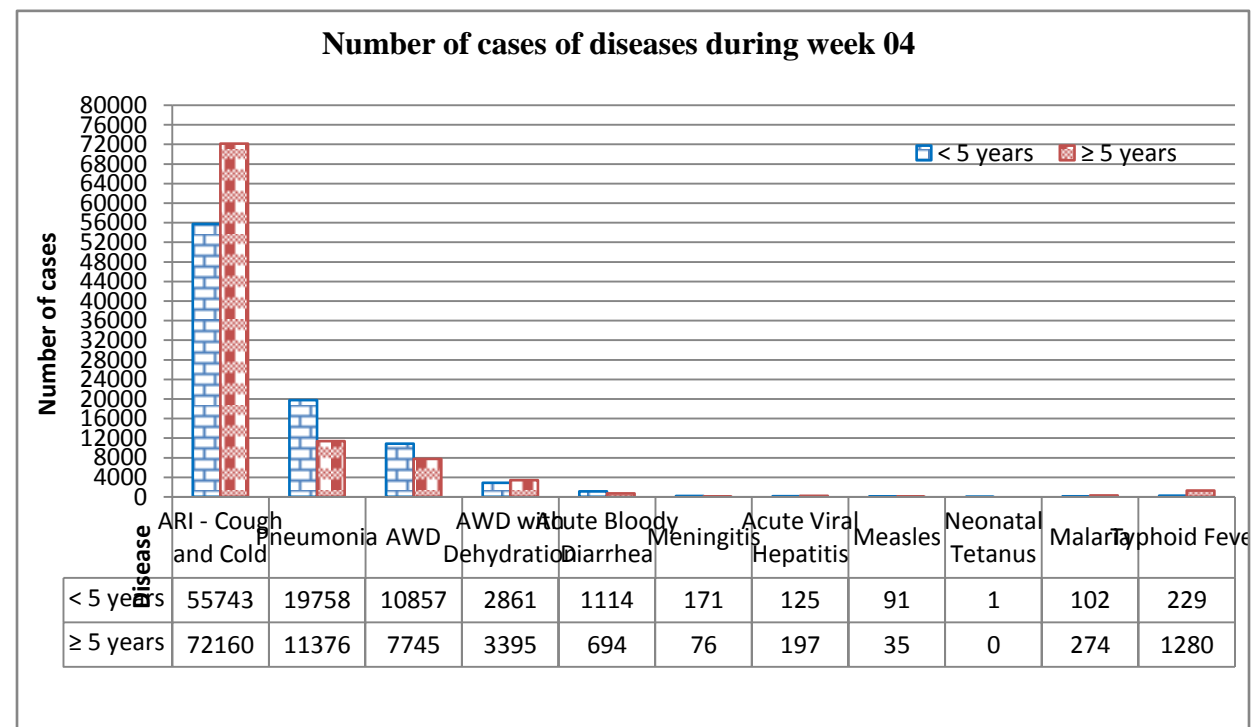
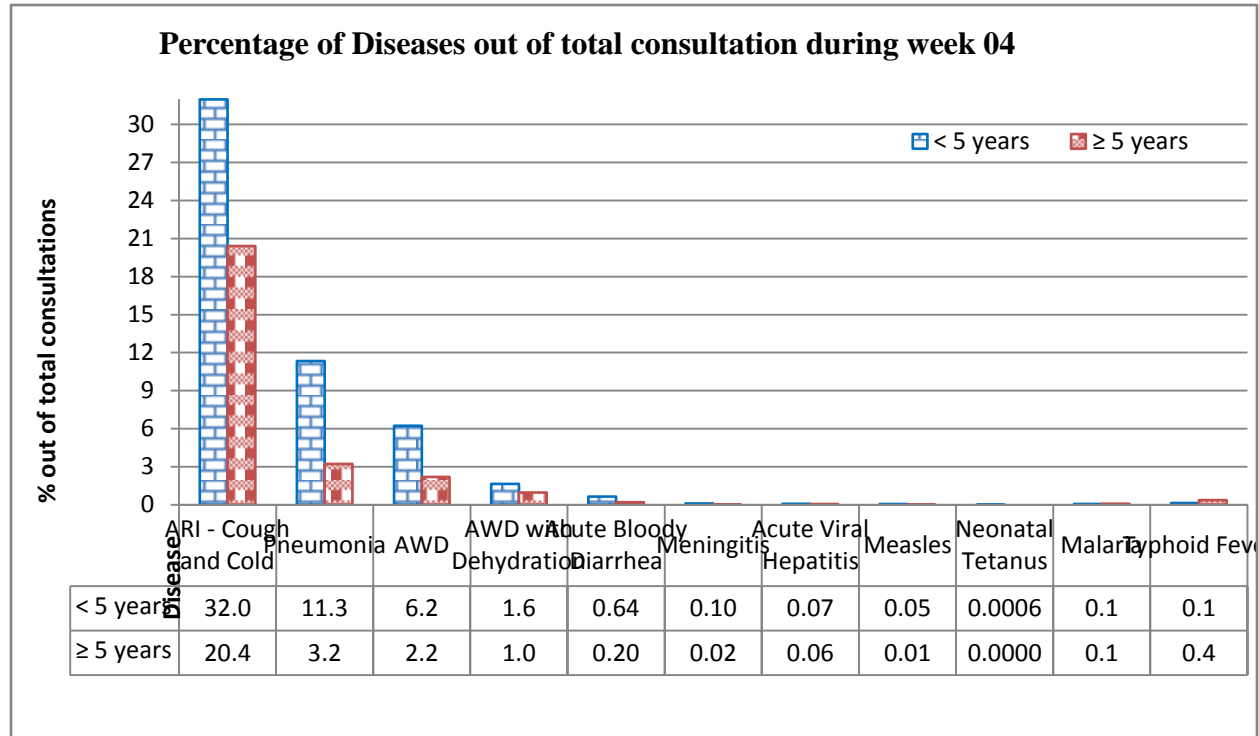
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	<b>1,676</b>
HF covered by NDSR-Plus	32	74	405	1	47	15	<b>574</b>

**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**

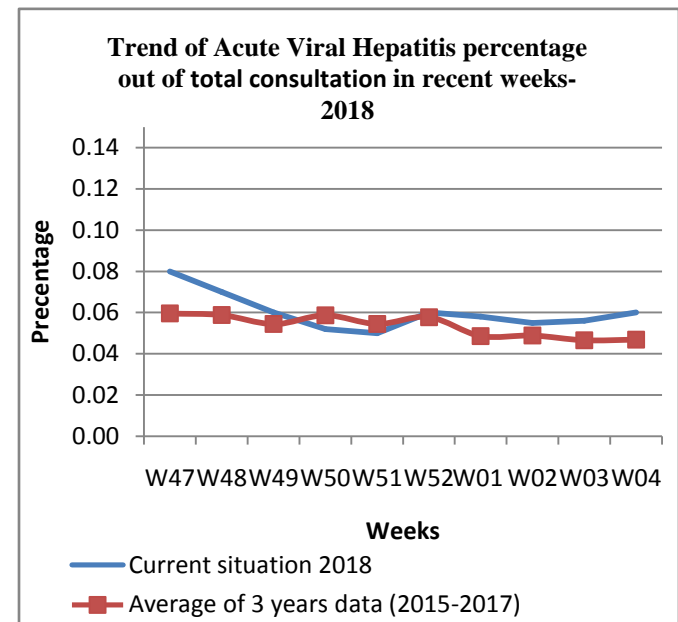
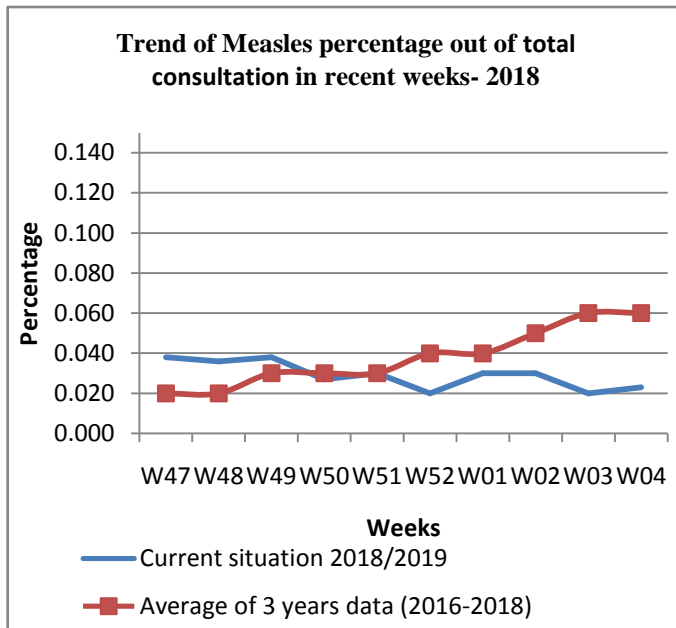
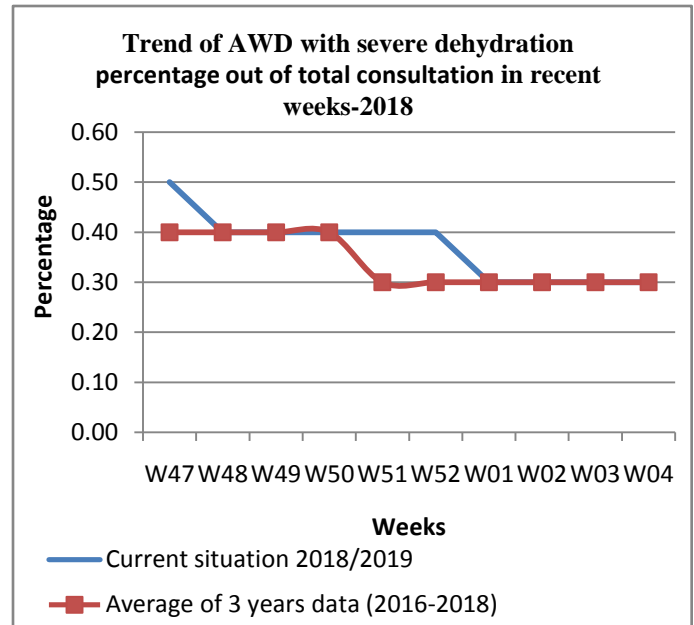
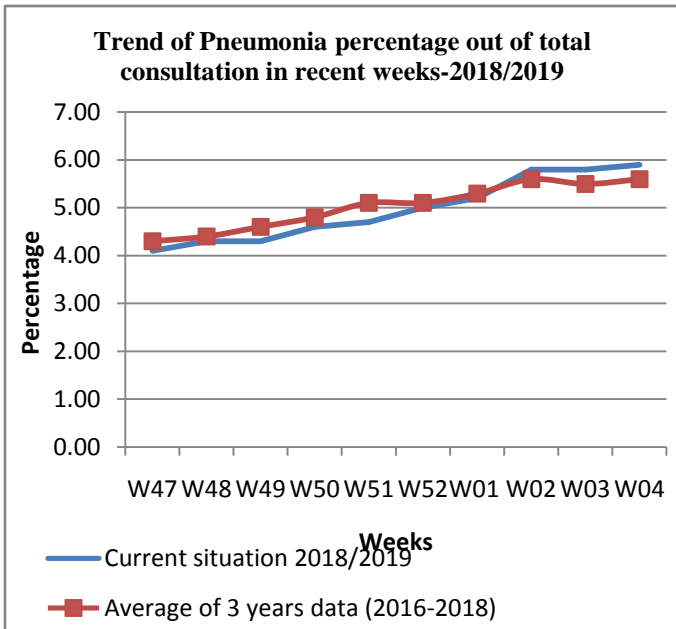


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 04<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	91	35	126	0	0	0	0.00
Neonatal tetanus	1	0	1	0	0	0	0.00

### Seasonal Diseases:



During week 04<sup>th</sup> one outbreak detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Chickenpox/suspected outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
22/1/2019	Ghazni	Centre District of Ghazni	Nawabad	4	0	The outbreak was investigated, case management was done, Initial response was provided, health education secession was conducted as well

Figure 3: Outbreaks investigated during the week 04<sup>th</sup>, 2019

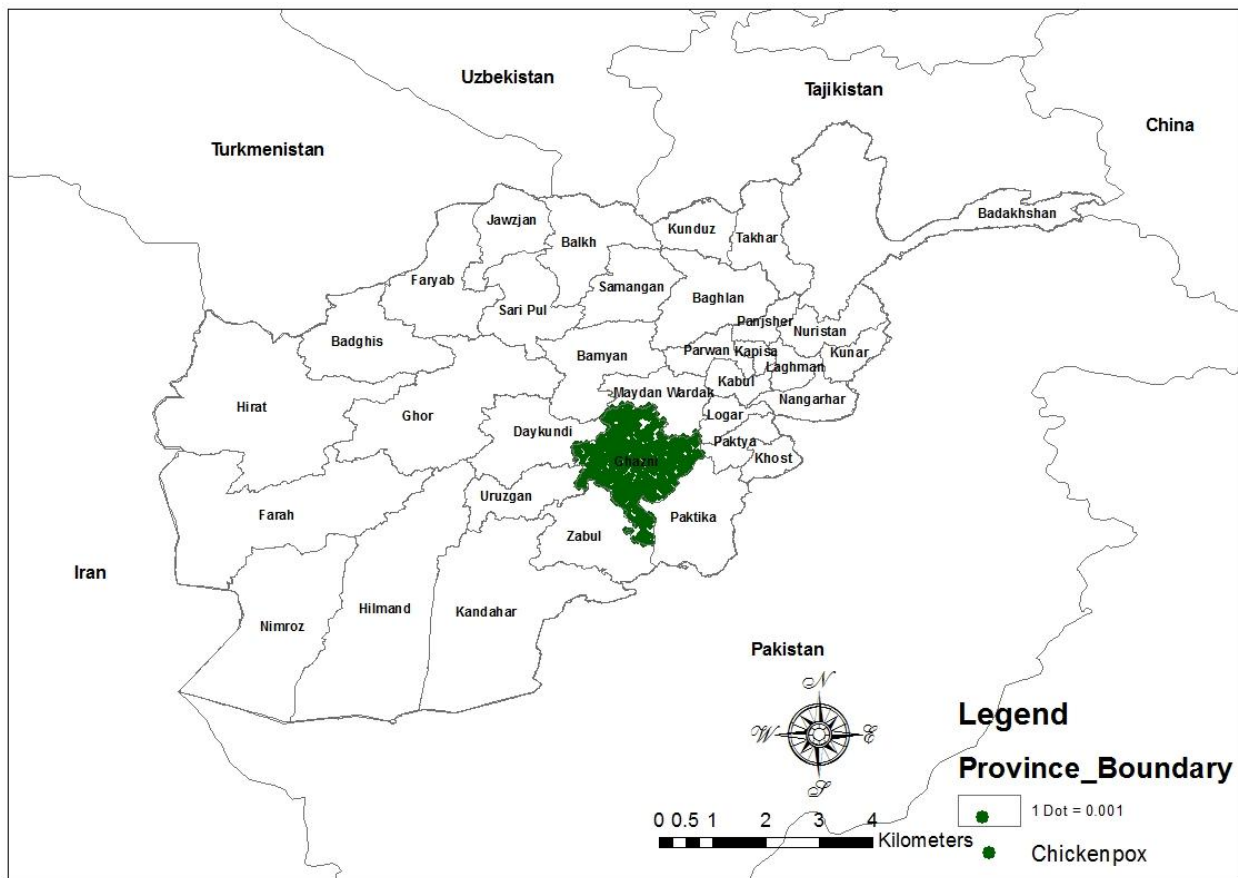


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 25 Jan 2019)

<b>Disease/event</b>	<b>No. of outbreaks</b>	<b>No. of lab-confirmed Outbreaks</b>	<b>No. of cases</b>	<b>No. of deaths</b>
Dog bites/Suspected Rabies	2	1	17	1
Leishmaniasis	2	1	67	0
CCHF	1	0	1	0
Chickenpox	1	0	4	0
Pneumonia	1	0	51	3
Measles	1	0	13	0
<b>Grand Total</b>	<b>8</b>	<b>2</b>	<b>153</b>	<b>4</b>

### **Laboratory surveillance:**

In this week a total of 39 different specimens/samples were received by CPHL, out of which 02 specimens were negative for Measles while the rest are under process. (Follow up by the CPHL is going on).

### **Influenza Surveillance activity**

In Epidemiologic week 04<sup>th</sup>, 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, 377(9.51%) Sever Acute Respiratory Infections cases were reported and 67 % of them were among under 5 years old. The proportion of SARI cases was the same as week 3, 2019. There were 10 SARI associated deaths reported in this week and majority of them were among under 2 year children.

In EPI week 4, our National Influenza Center (NIC) received 61 SARI and 52 ILI specimens from all 9 surveillance sites. We had one confirmed death associated with Influenza Pd09 H1N1 from Kabul province.

### **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.