



Islamic Republic of Afghanistan
Ministry of Public Health
Evaluation & Health Information

جمهوری اسلامی افغانستان
وزارت صحت عامه
ریاست عمومی ارزیابی و معلومات صحی

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National Disease Surveillance & Response (NDSR)

13 to 18 Jan 2019

Weekly Epidemiological Report-03rd

Summary:

- Out of 574 functional Surveillance sentinel sites, 564(98.4%) have submitted reports this week.
- Out of a total of 536,722 new consultations, 193,008 (36%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 131,136 cases, 24.4% out of total new consultations and Pneumonia, 31,214 cases, 5.8% out of total new consultations) and Acute Diarrheal Diseases, 28,187 cases, 5.3% out of total new consultations.
- A total of 315 deaths were reported this week, of which 72 were due to Surveillance targeted diseases, which includes 55 Pneumonia deaths, 09 Meningitis deaths, 05 Acute Diarrheal Disease deaths, 02 Pregnancy related deaths reported from Kunduz and Sharan sentinel sites and 01 Neonatal tetanus death.
- Total of 04 outbreaks reported this week; of which 02 were Dog bite/suspected Rabies outbreaks reported from Takhar and Badakhshan provinces, One Pneumonia outbreak reported from Nuristan province and one Measles outbreak reported from Daikundi province.

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

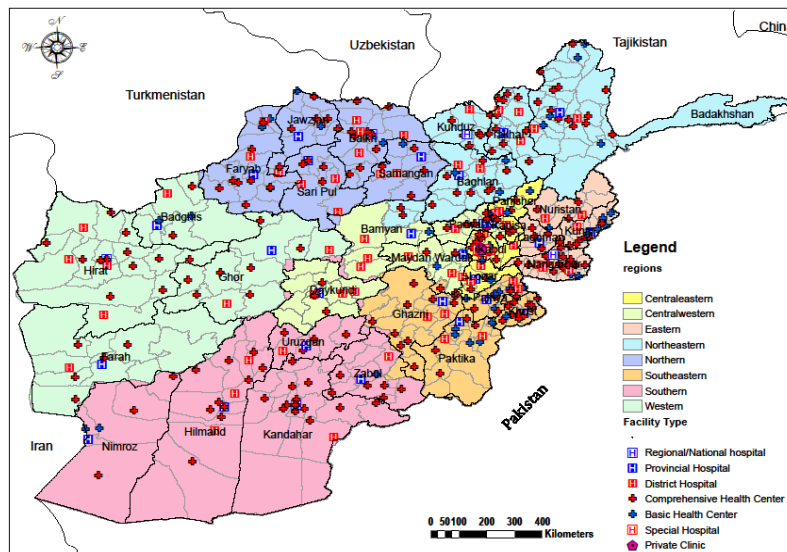


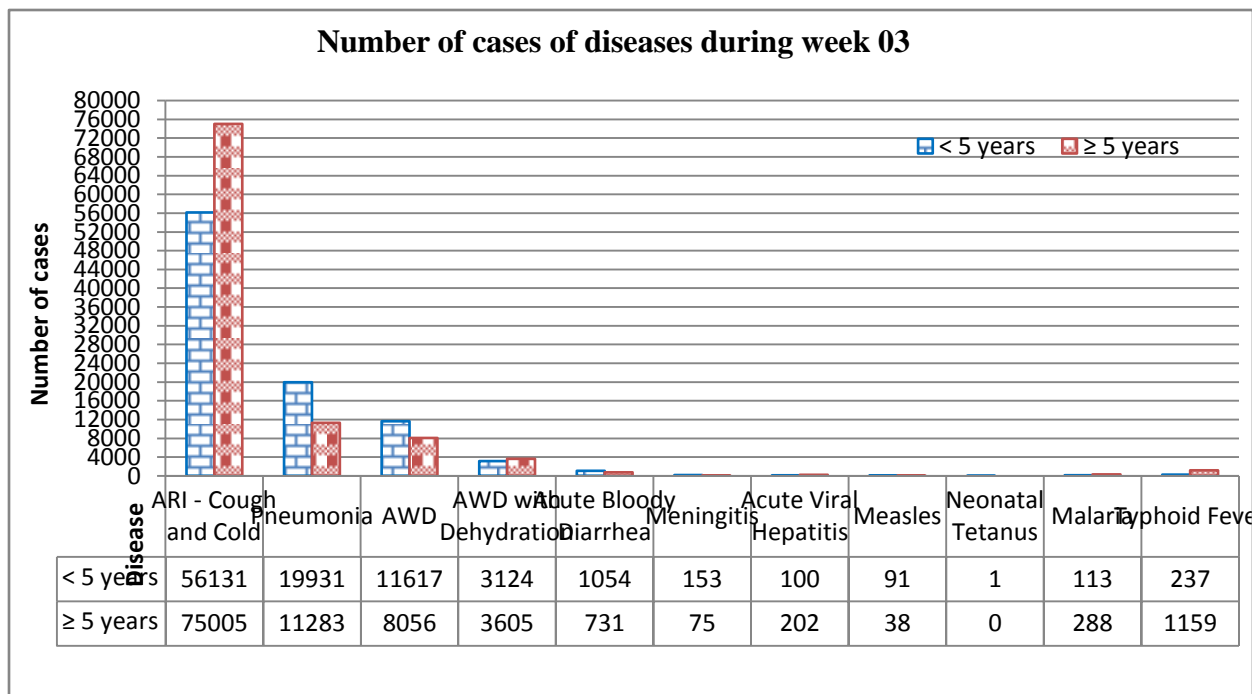
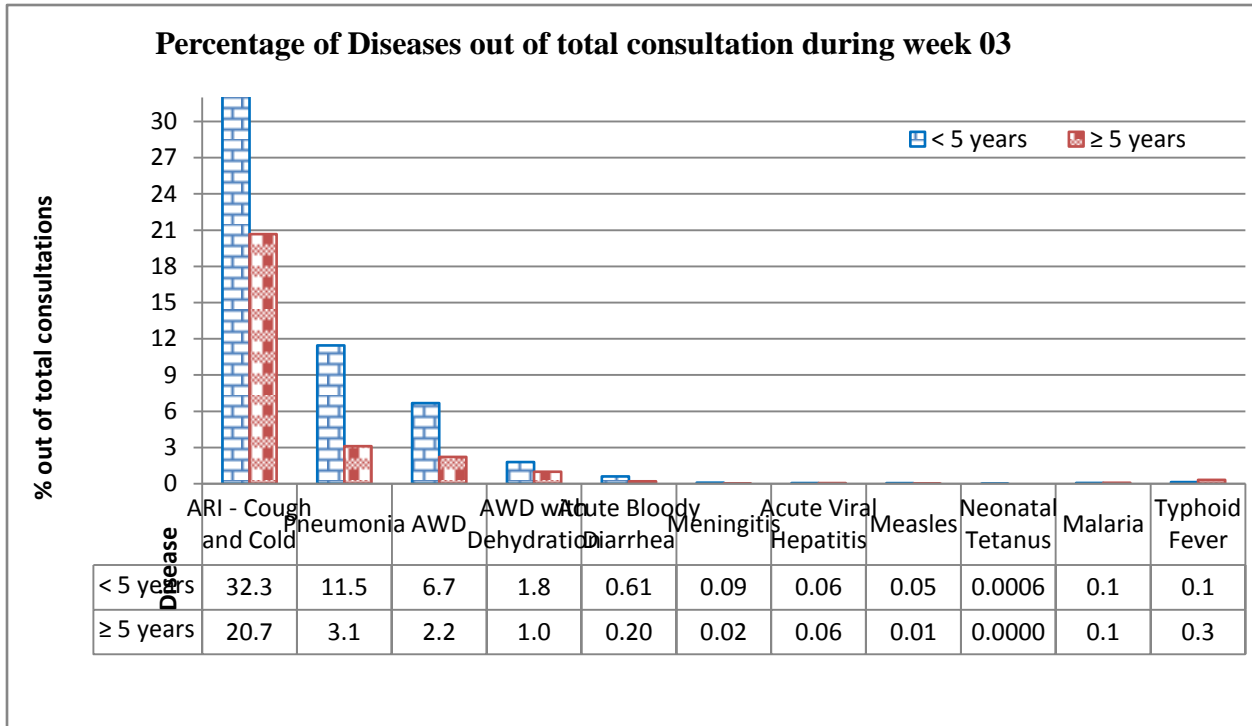
Table 1: Coverage of NDSR Surveillance System

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	1,676
HF covered by NDSR-Plus	32	74	405	1	47	15	574

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

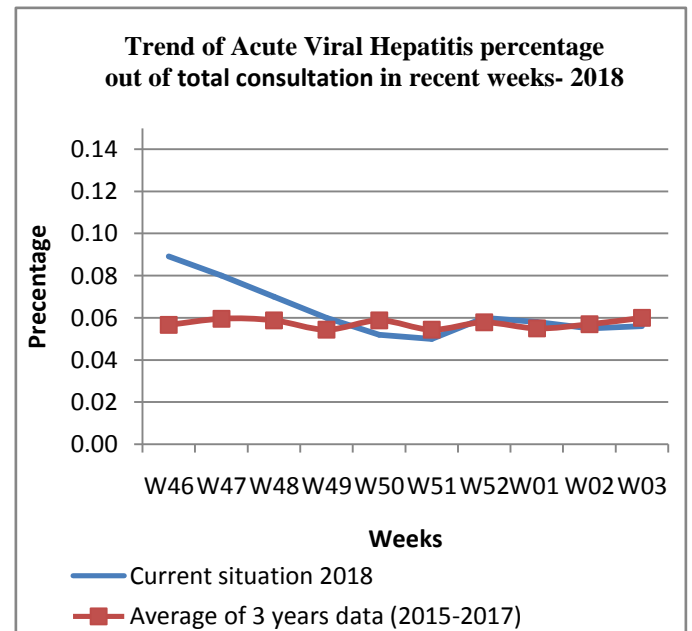
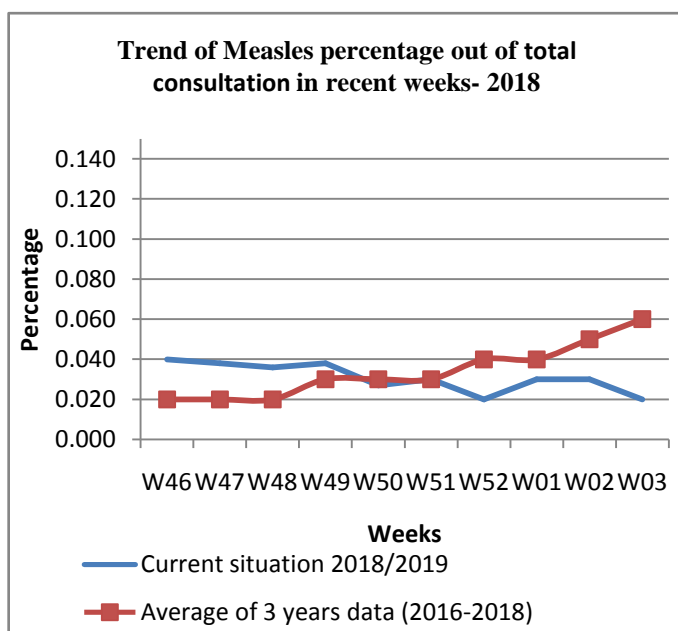
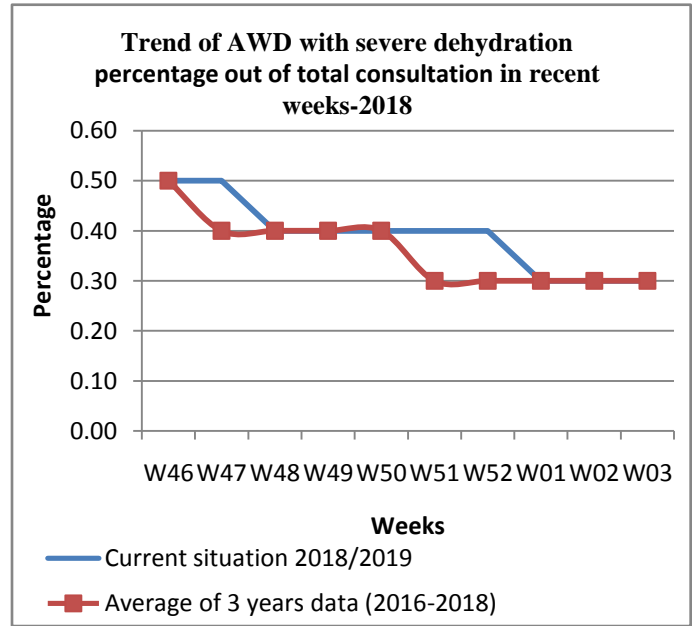
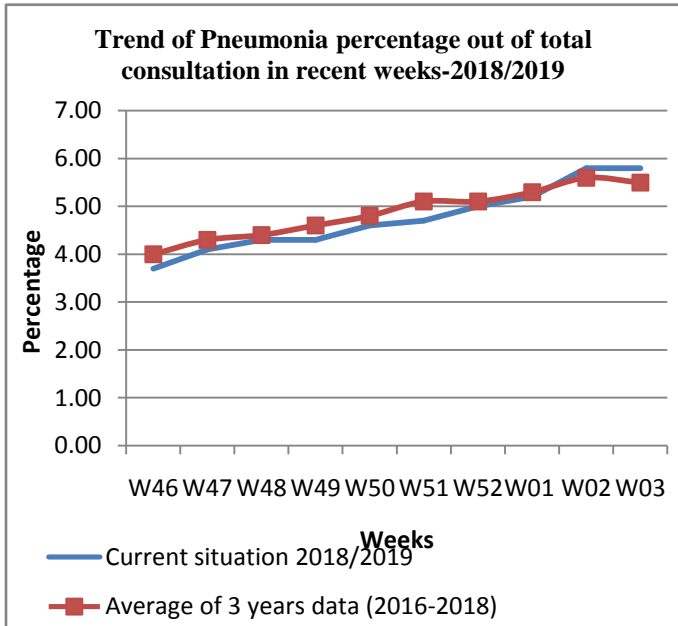


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 03rd, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	91	38	129	0	0	0	0.00
Pertussis	1	0	1	0	0	0	0.00
Neonatal tetanus	1	0	1	1	0	1	0.00

Seasonal Diseases:



During week 03rd total of 04 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Dog bite/suspected outbreak										
Reported dated	Province	District	Village	Total cases		Total deaths	Recommendation/Action take			
14/1/2019	Badakhshan	Jurm	Nawa	11		1	Investigation teams investigated the outbreaks, during the investigation they found that the cases were bitten by same stray dogs. The cases were treated, and vaccination was advised to them and health education session were conducted as well			
18/1/2019	Takhar	Taluqan	Takatoy mast	5		0				
Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
16/01/2019	Dikundi	Khedir	Gazbiri	3	10	13	0	60%	Unknown	The 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.
Suspected Pneumonia Outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
14/1/2019	Nurestan	Want Wiaga	Kaligal	33	18	51	3	70%	Unknown	The outbreak was investigated, team found 51 cases with clinical manifestation of Pneumonia and 03 deaths as well, case management was done for all the cases, health education session was conducted.

Figure 3: Outbreaks investigated during the week 03rd, 2019

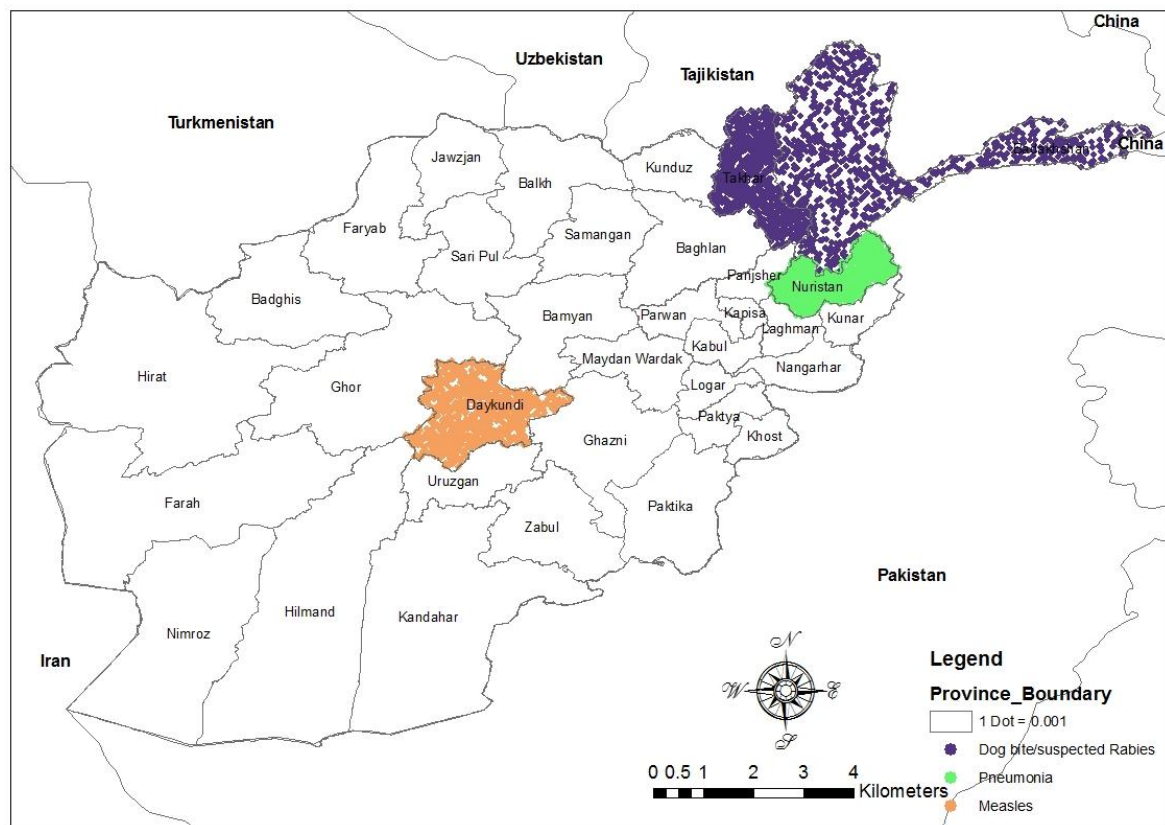


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 18 Jan 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
Dog bites/Suspected Rabies	2	1	17	1
Leishmaniasis	2	1	67	0
Pneumonia	1	0	51	3
CCHF	1	0	1	0
Measles	1	0	13	0
Grand Total	7	2	149	4

Laboratory surveillance:

In this week a total of 103 different specimens/samples were received by CPHL, all are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 3, 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, 385 (9.6%) Sever Acute Respiratory Infections cases were reported and 59 % of them were among under 5 years old. The proportion of SARI cases was increased than second week of 2019. There were 9 SARI associated deaths reported in this week and about two third of them were among under 2 children.

In EPI week 3, our National Influenza Center (NIC) received 49 SARI and 32 ILI specimens from all 9 surveillance sites. During last 3 weeks, our NIC detected 20 influenza cases, mainly Flu A pandemic H1N1 (13 cases), and followed by Flu A H3 (7 cases).

Finally, we have investigation and confirmed avian influenza H5 outbreak in the poultry in Kabul city. All contacts with the sick poultry were recorded for further follow up. There was no any sick person in the affected area.

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.