



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

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

د افغانستان اسلامي جمهوریت  
د عامی روغتیا وزارت  
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National Disease Surveillance & Response (NDSR)

03 to 09 Feb 2019

Weekly Epidemiological Report–06<sup>th</sup>

Summary:

- Out of 616 functional Surveillance sentinel sites, 606(98.3%) have submitted reports this week.
- Out of a total of 540,315 new consultations, 194,089(35.9%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 132,369 cases, 24.5% out of total new consultations and Pneumonia, 32,108 cases, 5.9% out of total new consultations) and Acute Diarrheal Diseases, 27,207 cases, 5% out of total new consultations.
- A total of 294 deaths were reported this week, of which 65 were due to Surveillance targeted diseases, which includes 50 Pneumonia deaths, 05 Meningitis deaths, 04 Pregnancy related deaths reported from Ahmad shah Masood, Lashkar gah and Rabia Balkhi sentinel sites, 02 Acute Diarrheal Disease deaths, 02 Acute Viral Hepatitis deaths, one Measles death and one Tetanus death.
- Total of 08 outbreaks reported this week; of which 03 were Measles outbreaks reported from Paktika and Khost provinces, 02 were CCHF outbreaks reported from Faryab and Kabul provinces, one Chickenpox outbreak reported from Ghor province, one Coal poisoning outbreak reported from Jawzjan province and one Dog bite/suspected Rabies outbreak reported from Badghis province.

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

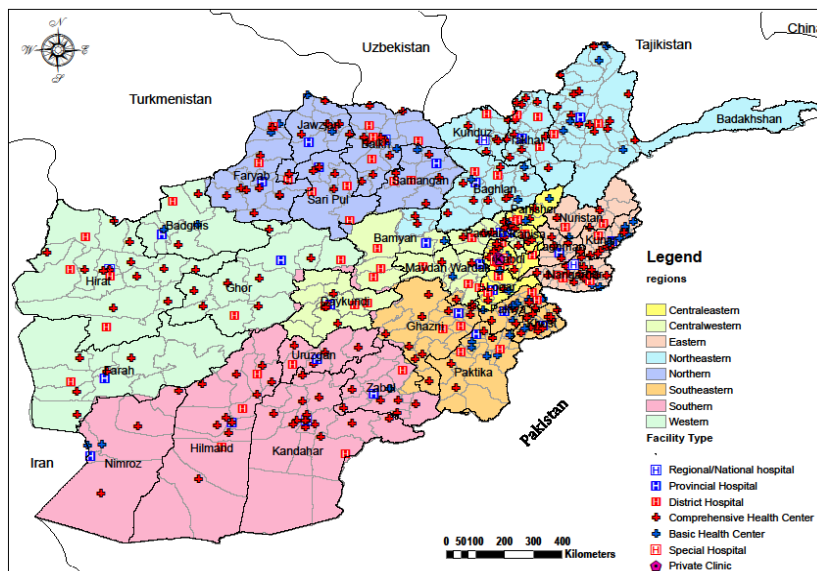


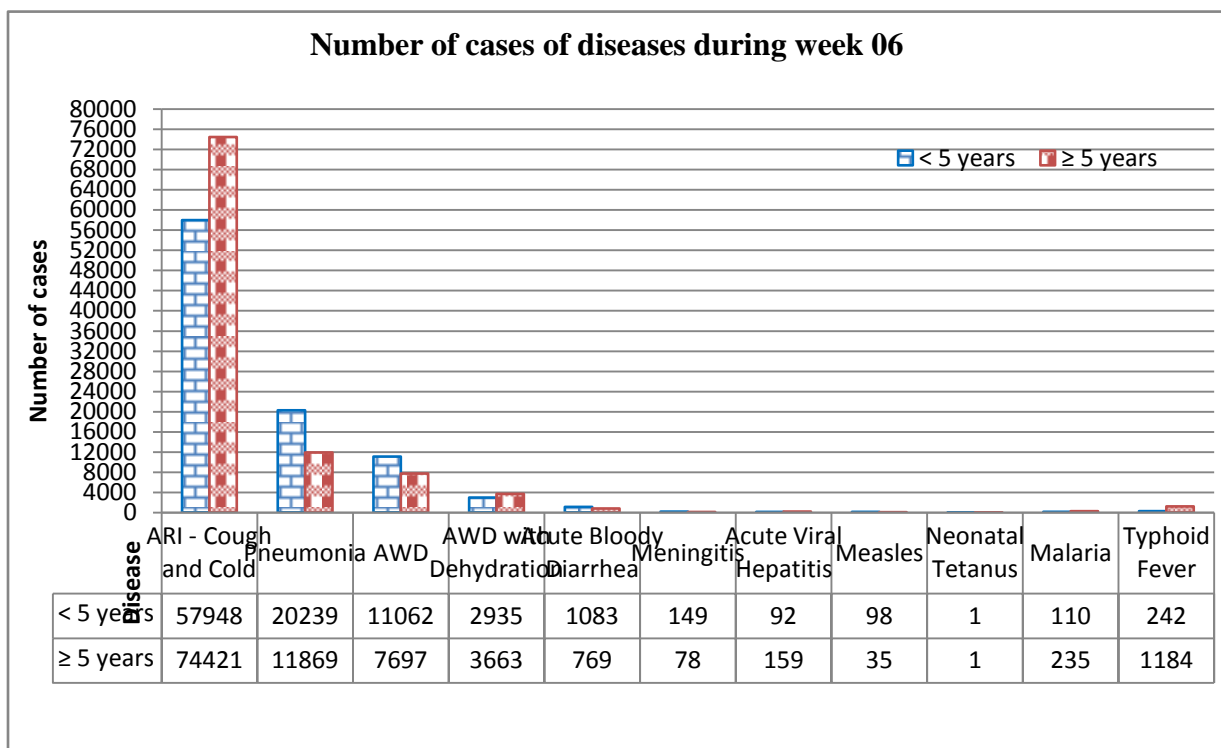
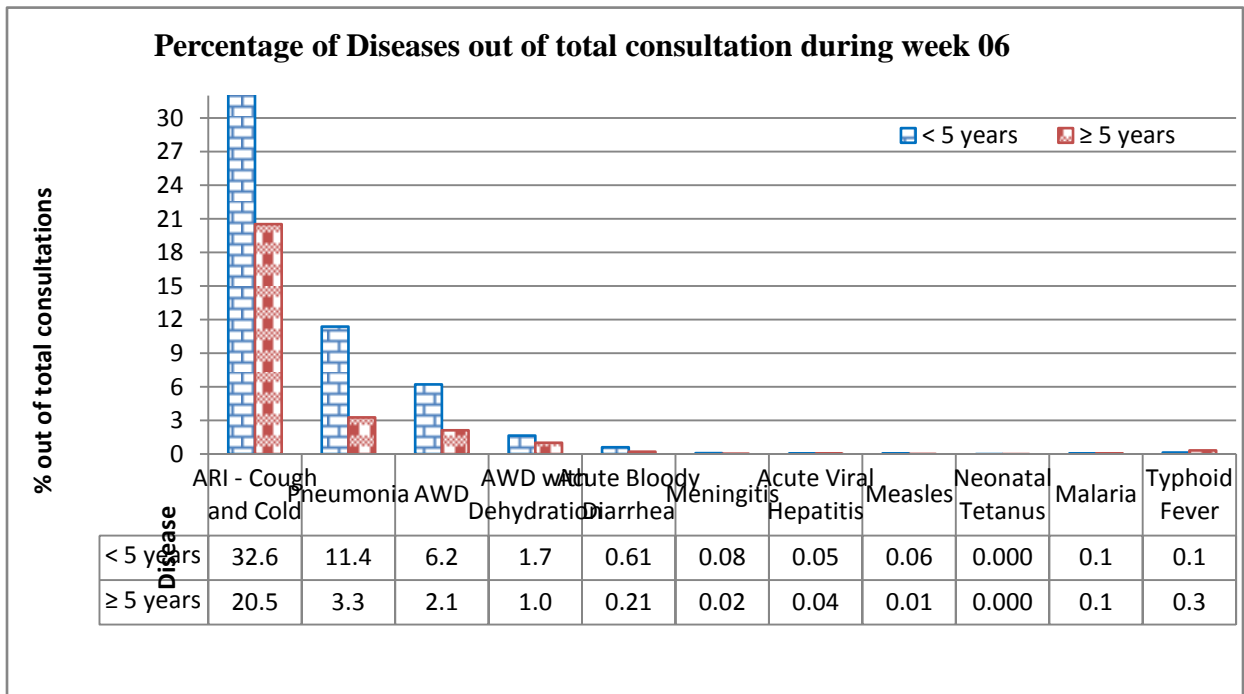
Table 1: Coverage of NDSR Surveillance System

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	431	1	49	13	13	616

**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**

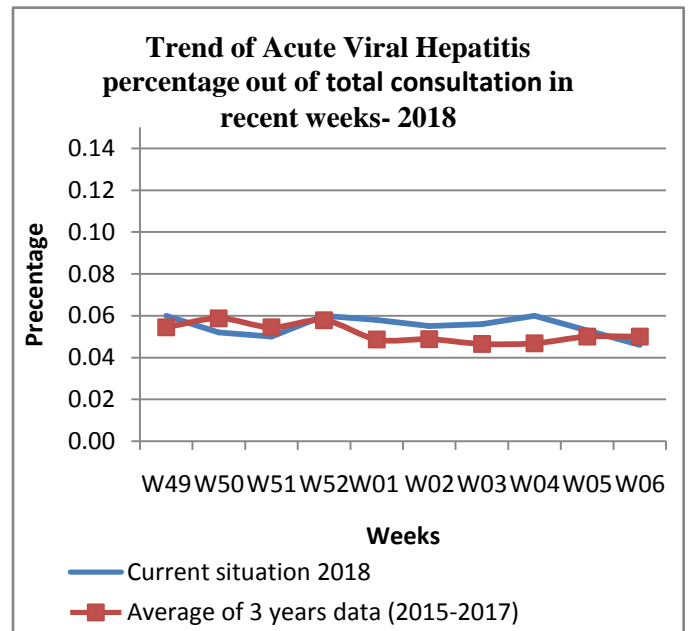
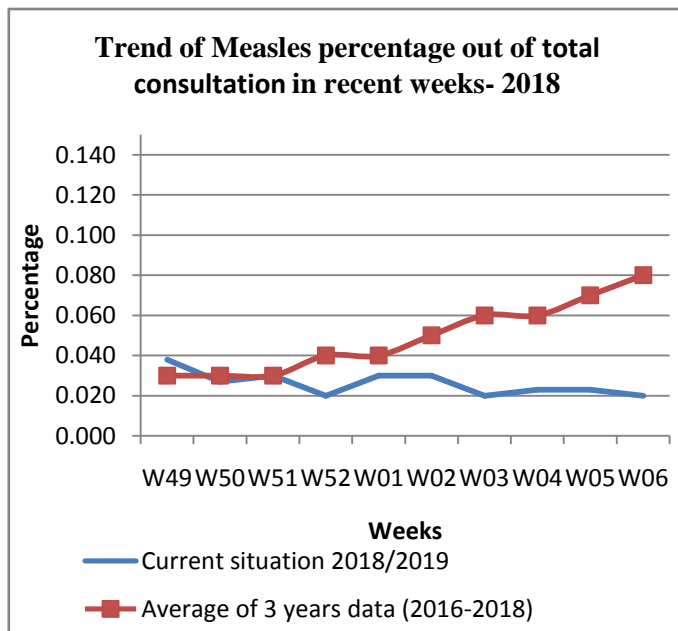
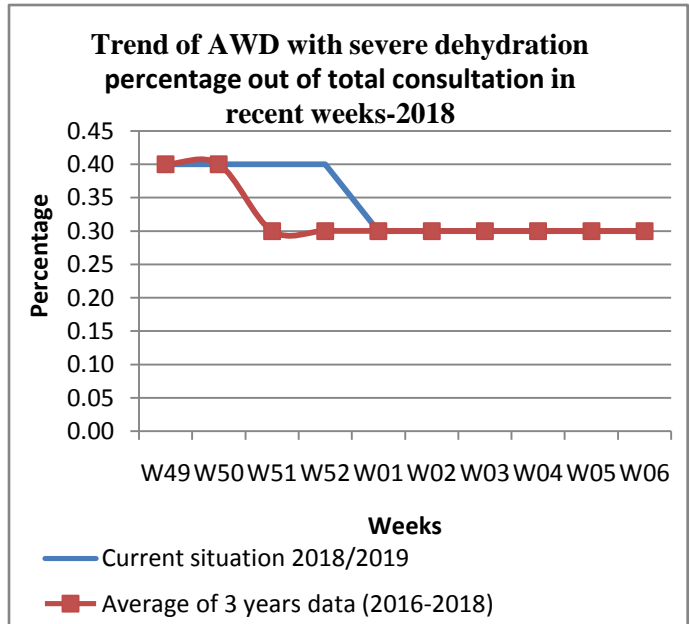
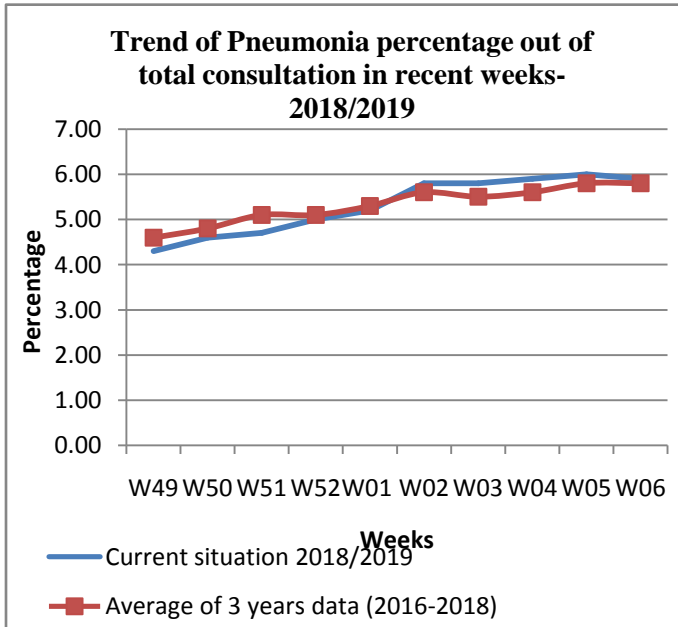


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 06<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	98	35	133	1	0	1	0.75
Pertussis	4	0	4	0	0	0	0.00
Tetanus	1	1	2	0	1	1	50.00

### Seasonal Diseases:



During week 06<sup>th</sup> total of 08 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
2 Feb 2019	Khost	Qalandar	Sari Oba	3	2	5	0	55%	100	In this week 03 Measles outbreaks were detected and investigated, case management was done for all the cases, vaccination plan was mad for the surrounding villages eligible children, health education session were conducted as well
3 Feb 2019	Paktika	Sharana	Shaba Din	4	2	6	0	unknown	Unknown	
5 Feb 2019	Paktika	Zarghons har	Seghana	3	2	5	0	65%	100	
CCHF Outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
3 Feb 2019	Faryab	Shirin Tagab	Islam Qala	1	0	22 Y	Farmer	During this week 02 cases of CCHF were reported from Kabul and Faryab provinces, had probable contact with animals or the tissues of the animal, case management was done for both cases, health education sessions were conducted. Case Fatality rate for CCHF was 0% (per 100) in this week		
4 Feb 2019	Kabul	Shakar Dara	Ghazi	1	0	10 Y	Student			
Chickenpox /suspected outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
2 Feb 2019	Ghor	Taywara	Yakhana Olia	27	0	In this week one Chickenpox outbreak was reported from Ghor province, the outbreak was investigated, case management was done for all the cases and health education session was conducted as well.				
Coal poisoning /suspected outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
5 Feb 2019	Jawzjan	Aqcha	NasimSahar	3	1	In this week one Coal poisoning outbreak was reported from Jawzjan province, the outbreak was investigated, case management was done for all the cases and health education session was conducted as well.				

Dog bite /suspected outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
3 Feb 2019	Badghis	Muqur	Kharestan	9	0	In this week one Dog bite/suspected Rabies outbreak was reported from Badghis province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 06<sup>th</sup>, 2019

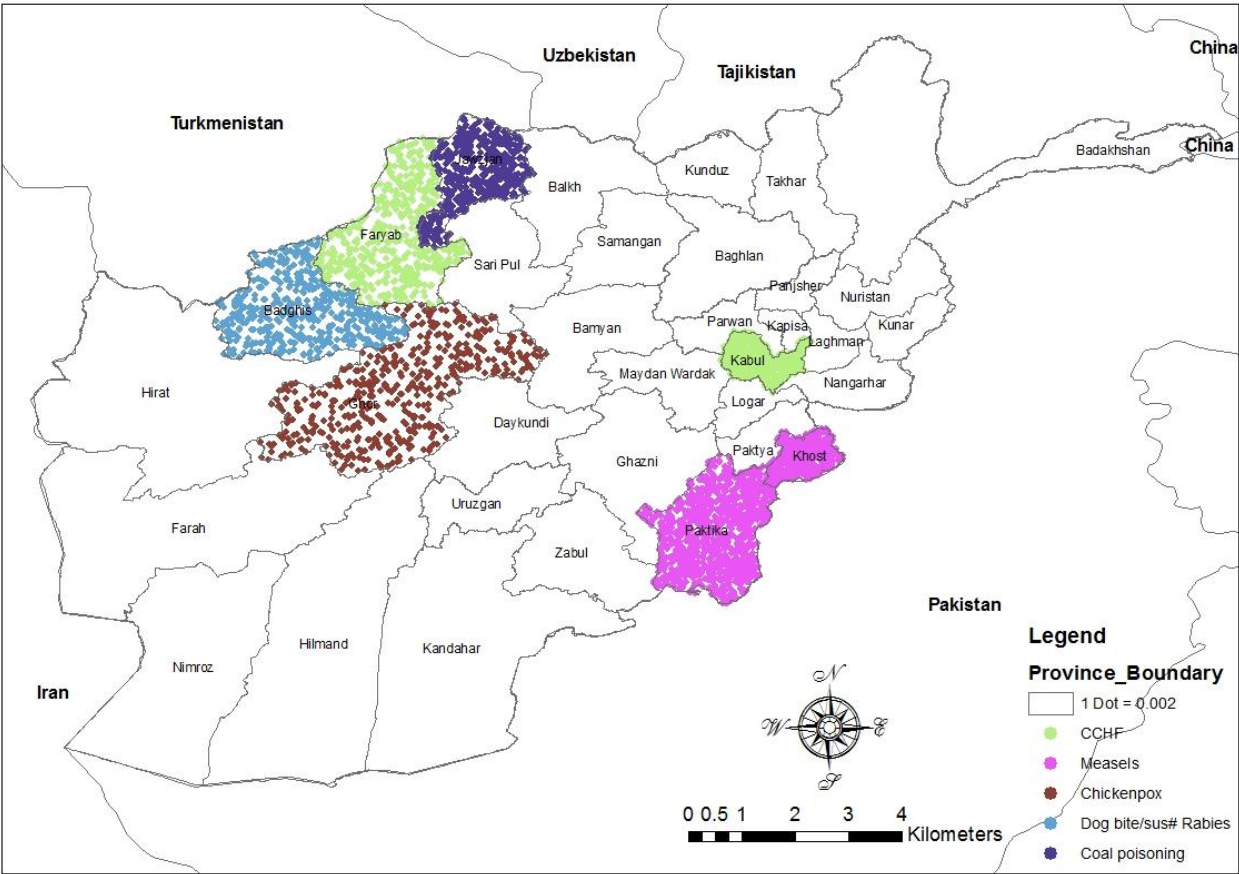


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 09 Feb 2019)

<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>
Measles	6	0	43	0
CCHF	5	0	5	0
Chickenpox	3	0	40	0
Dog bites/Suspected Rabies	3	1	26	1
Coal Poisoning	2	0	8	2
Leishmaniasis	2	1	67	0
Pneumonia	1	0	51	3
<b>Grand Total</b>	<b>22</b>	<b>2</b>	<b>240</b>	<b>6</b>

#### **Laboratory surveillance:**

In this week a total of 91 different specimens/samples were received by CPHL, out of which 03 specimens were positive and 03 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 6, 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, 272 (7%) Sever Acute Respiratory Infections cases were reported and 56 % of them were among under 5 years old. The proportion of SARI cases decreased than week 5, 2019. There were 7 SARI associated deaths were reported in this week and all of them were among under 5 children.

In EPI week 6, our National Influenza Center (NIC) received 52 SARI and 32 ILI specimens from all 9 surveillance sites, the results will be shared as received from our NIC

At the global level, OIE reported avian influenza H5N8 among poultry in Iran.

#### **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.