



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 عامې روغتیا وزارت
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National Disease Surveillance & Response (NDSR)

07 to 13 Oct 2018

Weekly Epidemiological Report–41st

Summary:

- Out of 571 functional Surveillance sentinel sites, 556(97.3%) have submitted reports this week.
- Out of a total of 511,284 new consultations, 175,038(34.2%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 100,059 cases, 19.6% out of total new consultations and Pneumonia, 14,744 cases, 2.9% out of total new consultations) and Acute Diarrheal Diseases, 55,008 cases, 10.8% out of total new consultations.
- A total of 250 deaths were reported this week, of which 29 were due to Surveillance targeted diseases, which includes 16 Pneumonia deaths, 05 Acute Diarrheal Disease deaths, 04 Meningitis deaths, 02 Pregnancy related deaths reported from Rabia balkhi and Waras sentinel sites, one Acute Viral Hepatitis death and one Hemorrhagic fever death.
- Total of 10 outbreaks reported this week; of which 07 were CCHF outbreaks reported from Kabul, Herat and Samangan provinces, 02 Measles outbreaks reported from Khost and Paktika provinces and one Dog bite/suspected Rabies outbreak reported from Paktika province.

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

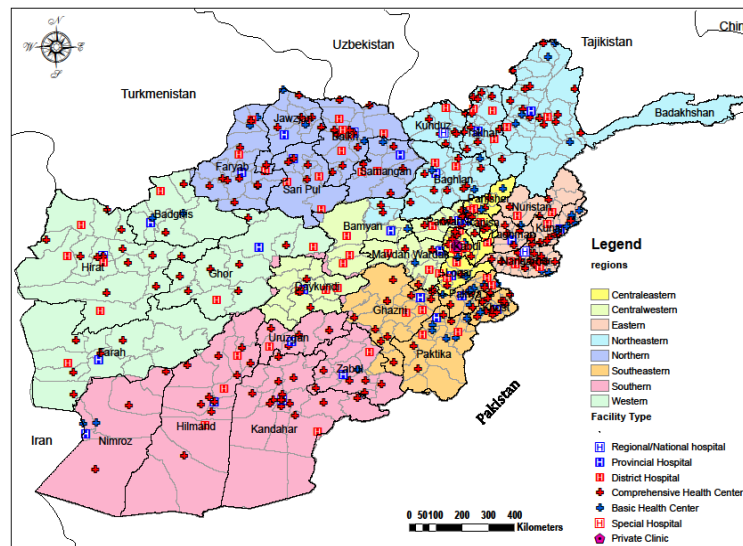


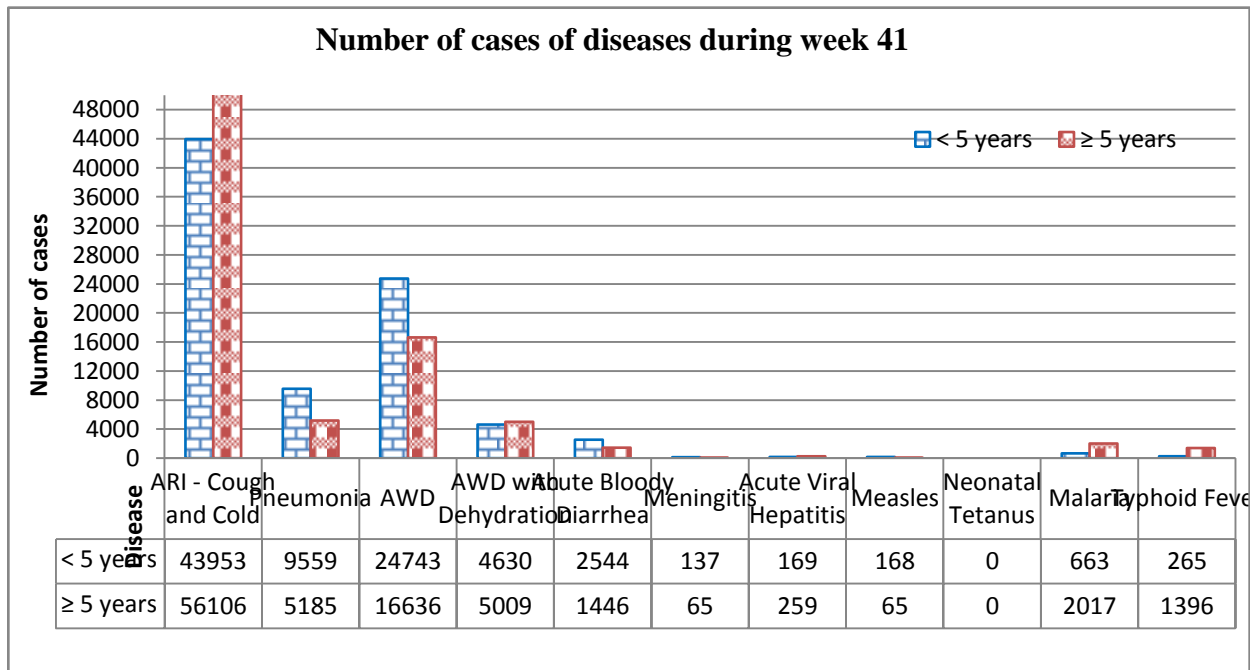
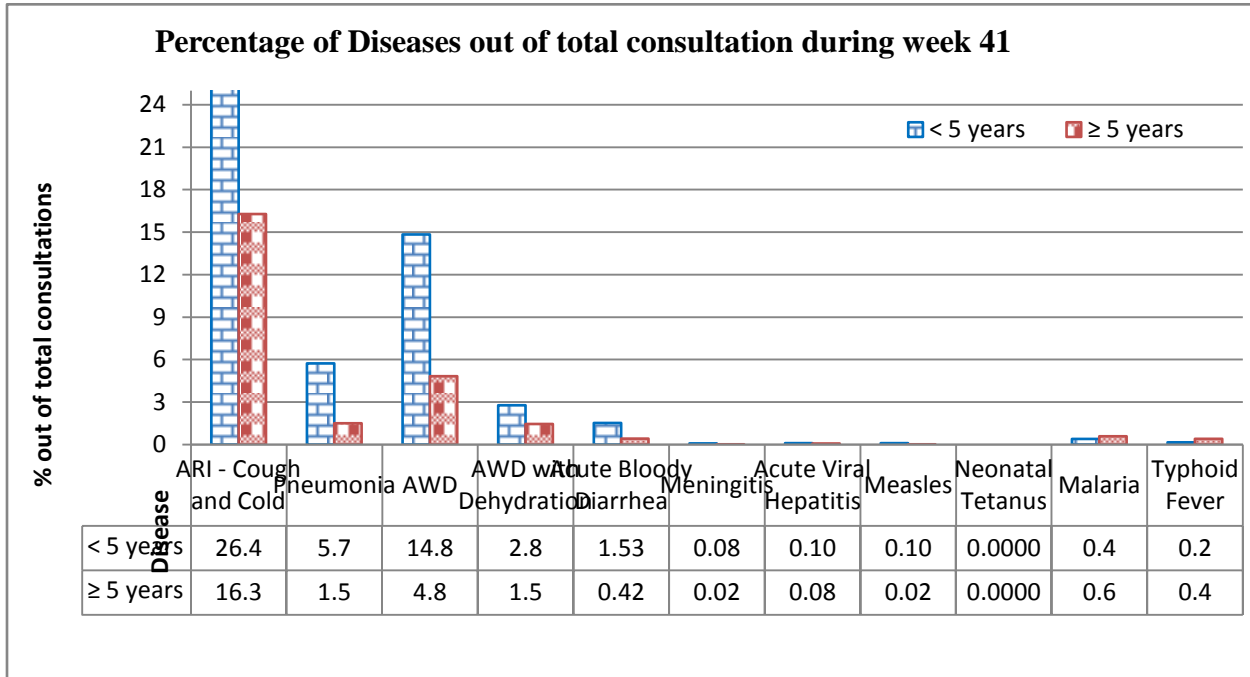
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	1,676
HF covered by NDSR-Plus	32	74	404	1	45	15	571

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

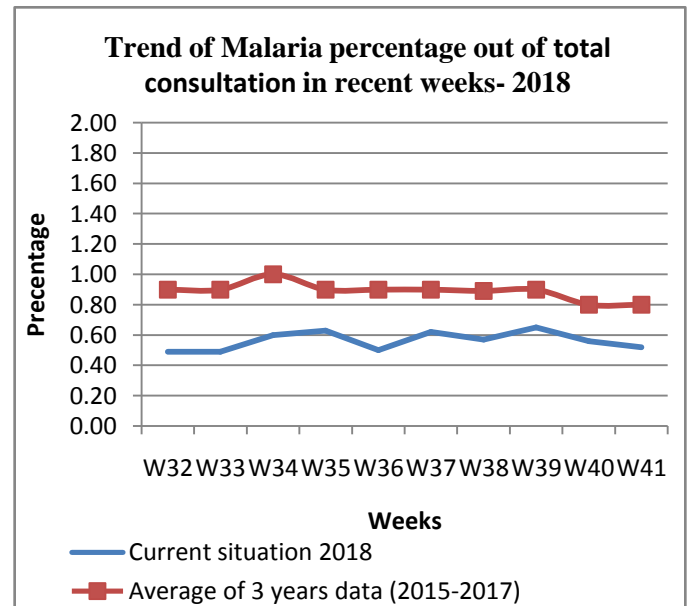
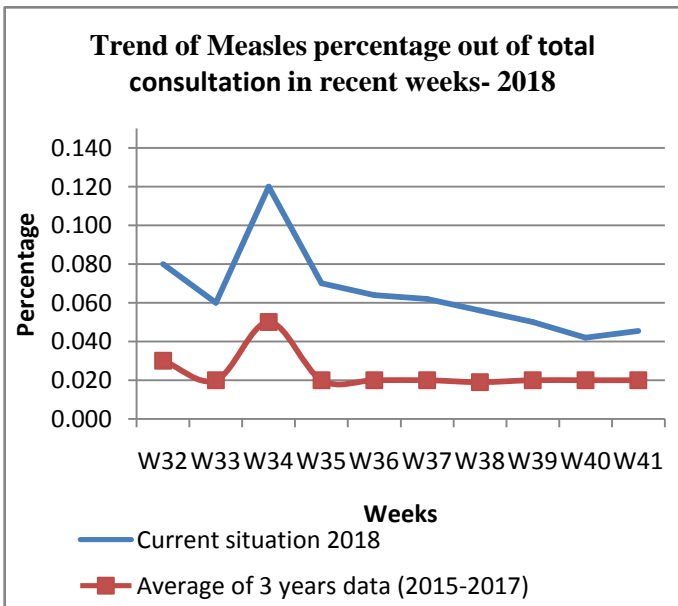
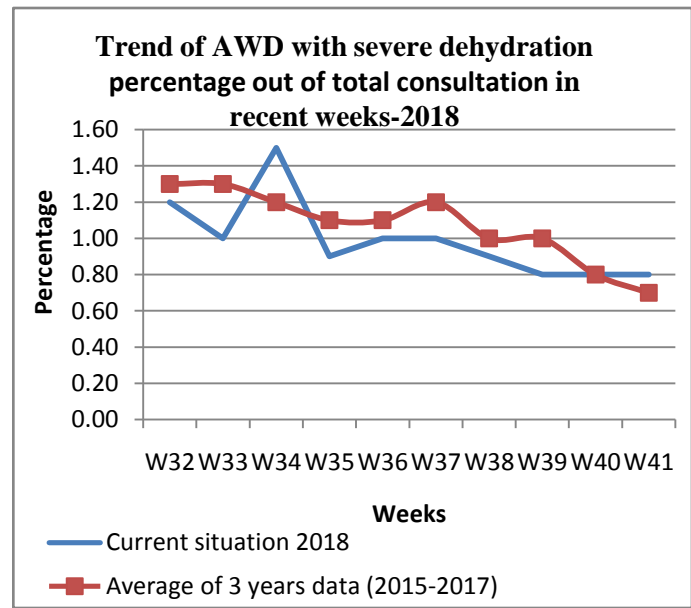
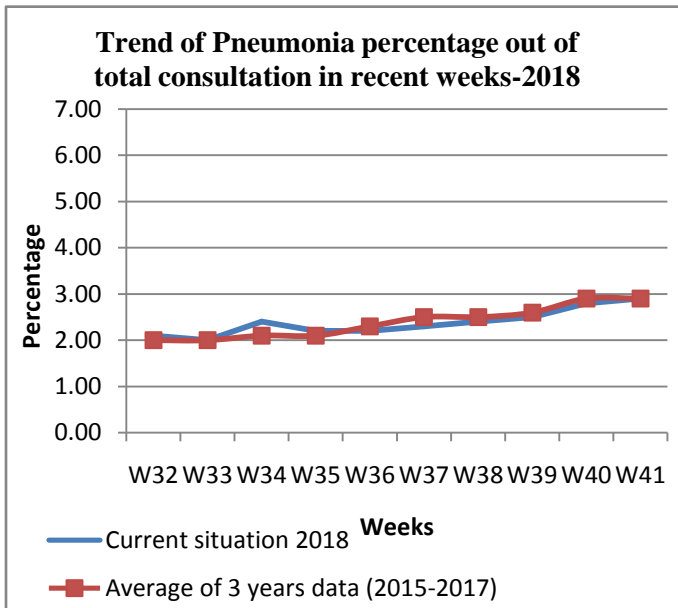


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 41st, 2018

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	168	65	233	0	0	0	0.00
Pertussis	2	0	2	0	0	0	0.00

Seasonal Diseases:



During week 41st total of 10 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

CCHF Outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
8 Oct 2018	Kabul	District 16	Qalai Zaman khan	1	0	30 Y	Driver	During this week the CCHF cases are decreased compared to the previous week and were same as in the same week of the last year. Majority of the cases were reported from Heart and Kabul provinces, especially from IDH and Herat regional Hospital, most of the cases were among Butcher, Housewife and Animal dealer which had direct contact with infected animals or the tissues of the infected animal, Case management was done for all the cases; health education sessions were conducted as well. The Case Fatality rate of CCHF cases in this week was 14.29 % (per 100)		
9 Oct 2018	Kabul	District 6	Char Qala	1	0	50 Y	Butcher			
11 Oct 2018	Kabul	District 7	Chilsiton	1	0	55 Y	Jobless			
12 Oct 2018	Samangan	Shibar	0	1	1	48 Y	Butcher			
12 Oct 2018	Kabul	District 5	ChararahiQambar	1	0	25 Y	Student			
10 Oct 2018	Hirat	City	Number yak	1	0	27 Y	Housewife			
10 Oct 2018	Hirat	Injil	Pole Rawashan	1	0	14 Y	Housewife			
Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
8 Oct 2018	Khost	Mandozai	Dehgon	1	4	5	0	75 %	low	This year we had more cases and outbreaks of Measles compared to previous year, surveillance department shared this information with the relevant departments and programs for action and control.
9 Oct 2018	Paktika	Sarobi	Ponga	7	1	8	0	42 %	low	
Dog bite/suspected Rabies outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths		Recommendation/Action take			
8 Oct 2018	Paktika	Sharan	Paindai	7	0		The outbreaks was investigated, the cases were treated, vaccination was advised and health education session was conducted.			

Figure 3: Outbreaks investigated during the week 41th, 2018

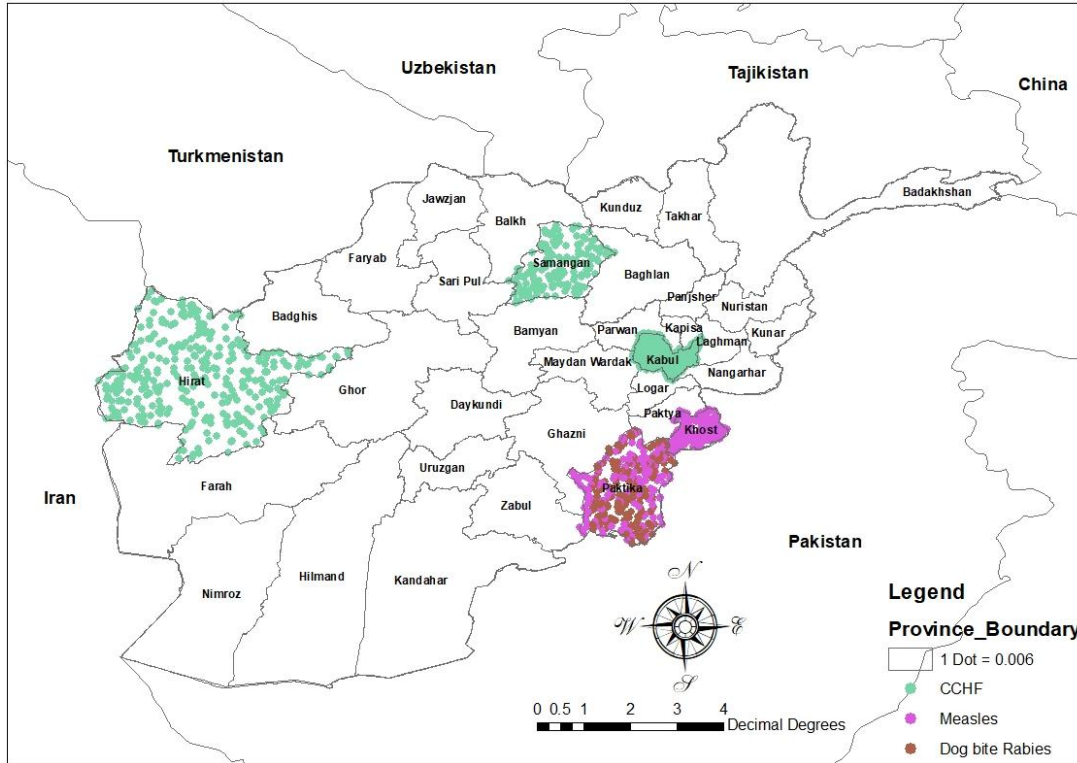


Table 2: Updates on the outbreaks reported during 2018 (31 Dec 2107 to 13 Oct 2018)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	432	123	462	56
Measles	211	144	2785	19
Dog bites/Suspected Rabies	25	2	205	2
Chickenpox	23	1	378	0
Pertussis	19	1	142	0
Food poisoning	9	0	442	0
Scabies	5	0	421	0
Mass psychogenic Illness	5	0	246	0
Gas (CO) Poisoning	3	0	47	0
Acute Viral Hepatitis	2	1	14	0
Leishmaniasis	2	1	47	0
Human Immunodeficiency Virus	1	0	1	0
Malaria	1	1	108	0
Diphtheria	1	0	3	1
Petrol poisoning	1	0	3	1
Water poisoning	1	0	221	0
Fly Bite	1	0	5	0
Meningitis	1	1	3	1
Mumps	1	0	5	0
Grand Total	744	275	5538	80

Laboratory surveillance:

In this week a total of 65 different specimens/samples were received by CPHL, all specimens were under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 41, 2018, we have received Epidemiological reports from 9 out of 9 sentinel sites. Out of all new hospital admission, 153 (4.7%) Severe Acute Respiratory Infections cases were reported and 59% of them were among under 5 years old. The proportion of SARI cases was the same as week 40. There was no SARI associated death reported in this week.

In EPI week 41 our National Influenza Center (NIC) received 51 SARI and 31 ILI specimens. No new case of influenza virus was detected by NIC in this week.

Recommendations:

The increase in the outbreaks and cases/deaths due to CCHF is the cause of concern; this should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.