



National Disease Surveillance & Response (NDSR)

Weekly Epidemiological Report–40th

30 Sep to 06Oct2018

Summary:

- Out of 571 functional Surveillance sentinel sites, 556(97.3%) have submitted reports this week.
- Out of a total of 524,807 new consultations, 174,848(33.3%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 96,538 cases, 18.4% out of total new consultations and Pneumonia, 14,454 cases, 2.8% out of total new consultations) and Acute Diarrheal Diseases, 58,227 cases, 11.1% out of total new consultations.
- A total of 215 deaths were reported this week, of which 33 were due to Surveillance targeted diseases, which includes 14 Pneumonia deaths, 09 Acute Diarrheal Disease deaths, 05 Meningitis deaths, 02 Acute Viral Hepatitis deaths, one Pregnancy related death reported from Rabia balkhi sentinel site, one Tetanus death and one Hemorrhagic fever death.
- Total of 11 outbreaks reported this week; of which 08 were CCHF outbreaks reported from Herat, Kabul, Helmand, Jawzjan, Nangarhar and Wardak provinces and one Measles outbreak reported from Khost province, one PF Malaria outbreak reported from Kunar province and one dog bite/suspected Rabies outbreak reported from Kabul province.

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

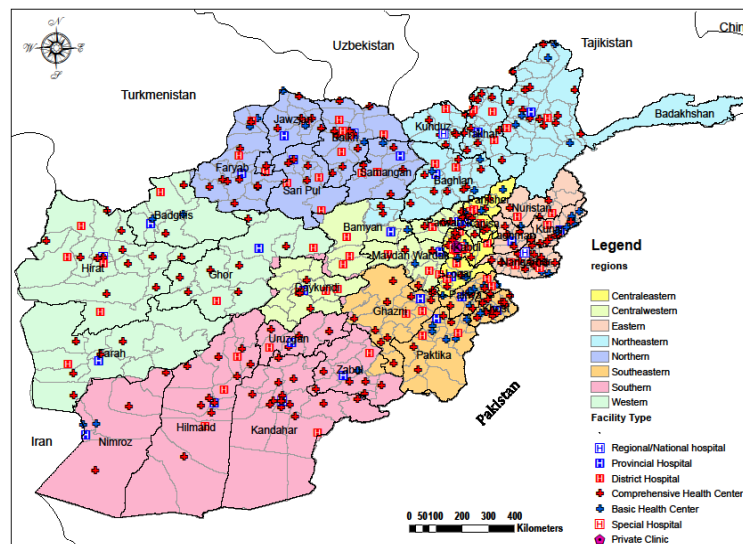


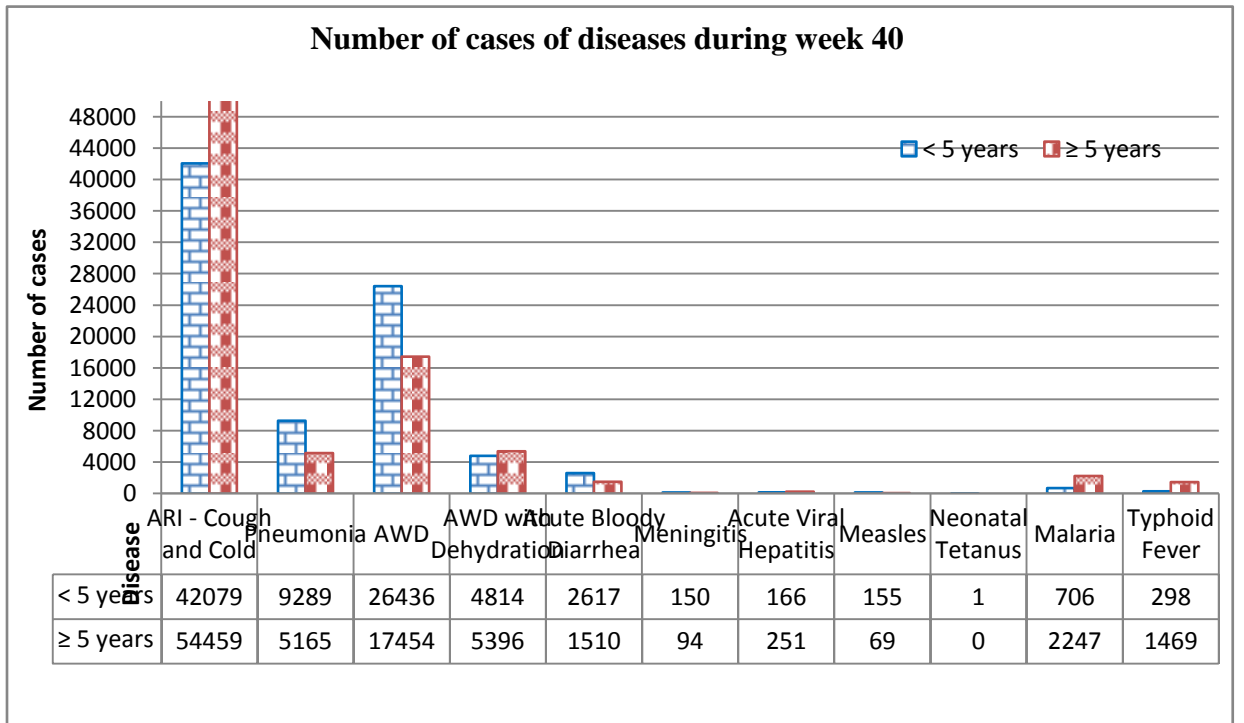
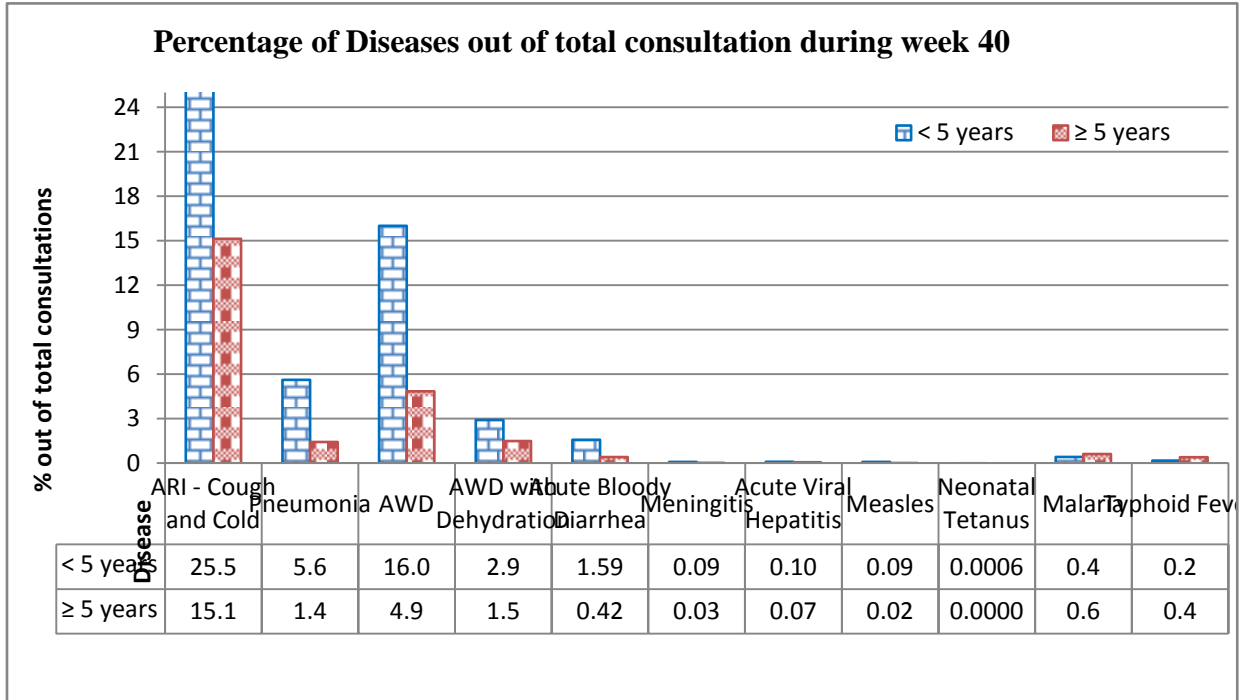
Table 1: Coverage of NDSR Surveillance System

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

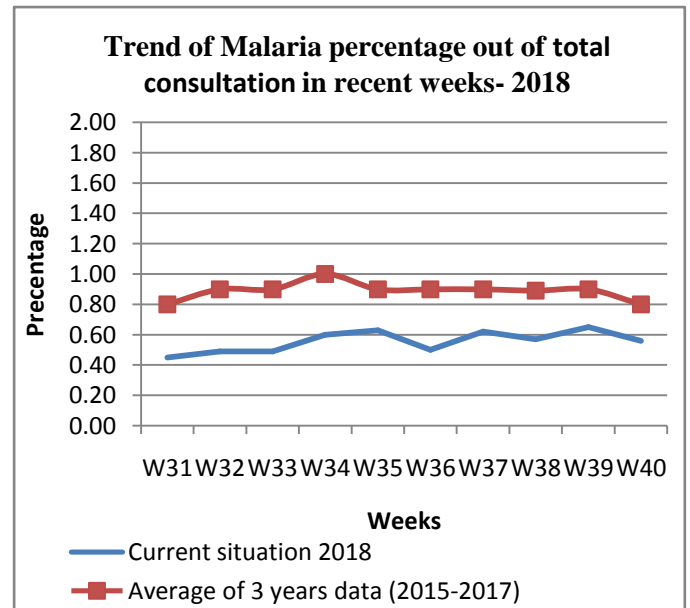
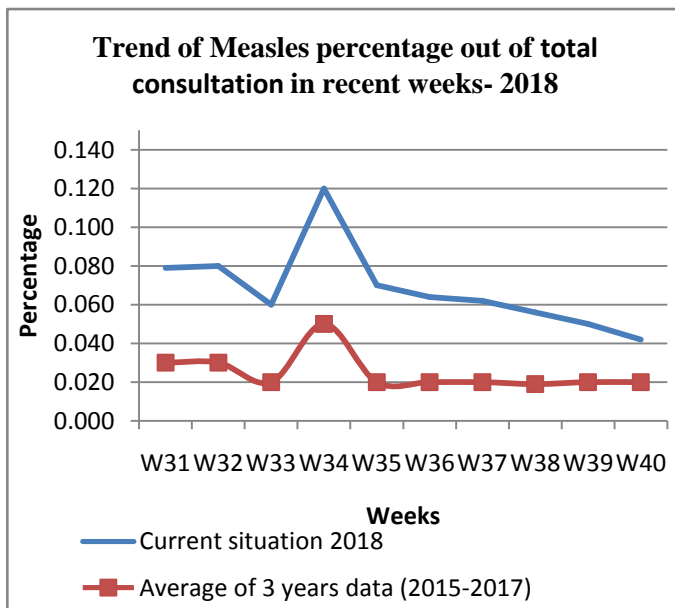
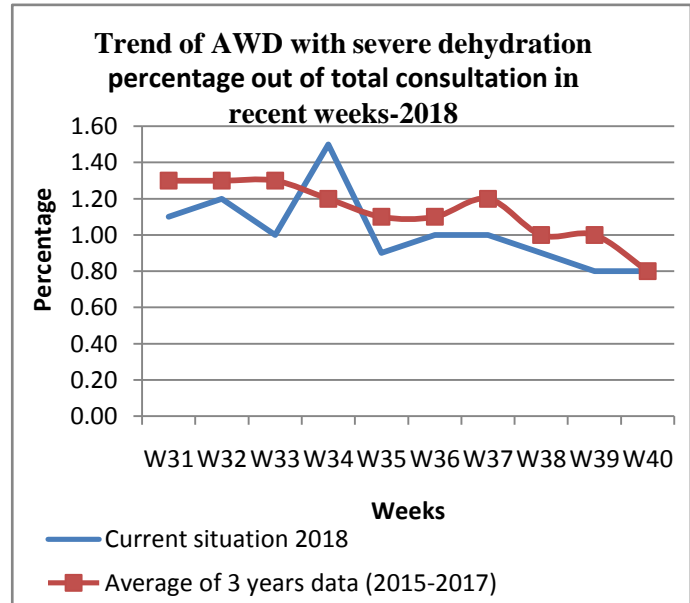
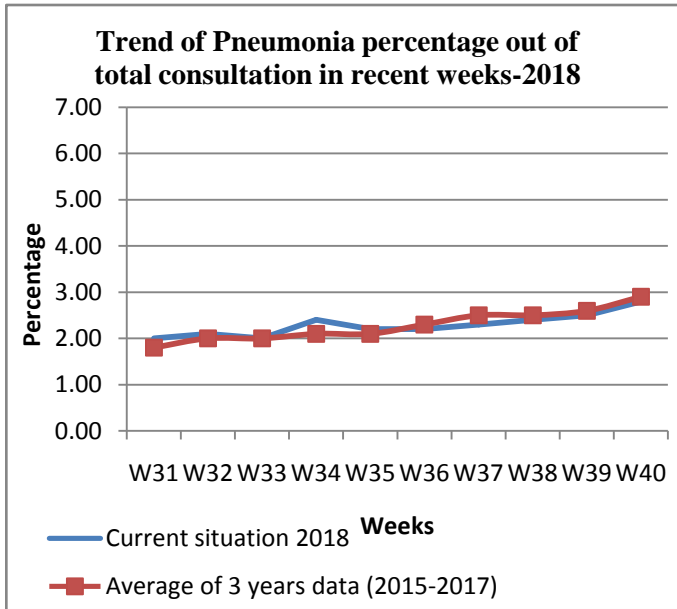


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 40th, 2018

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	155	69	224	0	0	0	0.00
Pertussis	2	0	2	0	0	0	0.00
Tetanus	1	0	1	0	1	1	0.00

Seasonal Diseases:



During week 40th total of 11 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		
1 Oct 2018	Wardak	Nerkh	Qule mirdel	1	0	21 Y	Butcher	<p>During this week the CCHF cases are decreased compared to the previous week and smoothly increased than the same week of the last year.</p> <p>Majority of the cases were reported from Heart and Kabul provinces, especially from IDH and Herat regional Hospital, hospital, most of the cases were among Housewife and Animal dealer which had direct contact with infected animals or the tissues of the infected animal,</p> <p>Case management was done for all the cases; health education sessions were conducted as well.</p> <p>The Case Fatality rate of CCHF cases in this week was 12.5 % (per 100)</p>		
3 Oct 2018	Kabul	Kabul	Chardehi	1	0	30 Y	Animal keeper			
4 Oct 2018	Kabul	Kabul	UN	1	1	16 Y	Housewife			
1 Oct 2018	Helmand	Lashkar gah	Chilmetra	1	0	19 Y	Unknown			
2 Oct 2018	Nangarhar	Bati Kot	Mishwani	1	0	35 Y	Housewife			
5 Oct 2018	Jawz jan	Qushtepa	Traghli	1	0	un	Unknown			
5 Oct 2018	Hirat	Zenda jan	Shakiban	1	0	40 Y	Housewife			
5 Oct 2018	Hirat	City	Baraman	1	0	32 Y	Daily wage worker			
Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
21 Oct 2018	Khost	Dowamanda	Alaudin	0	5	5	0	55%	UN	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/ control.
Malaria outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	Recommendation/Action take		
29 Sep 2018	Kunar	Noorgul	Noorgul CHC	49	59	108	0	<p>The outbreak was Investigated, case management was done, health education was also conducted, sampling for cross checking for both negative and positive samples was obtained, the result will be shared soon,</p> <p>Communication with relevant departments was conducted for control and further action</p>		

Dog bite/suspected Rabies outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
6 Oct 2018	Kabul	District 7	Deh Bala	14	0	The outbreaks was investigated, the cases were treated, vaccination was advised and health education was provided, Relevant programs are requested to implement the preventive and control measures for prevention of further spread.

Figure 3: Outbreaks investigated during the week 40th, 2018

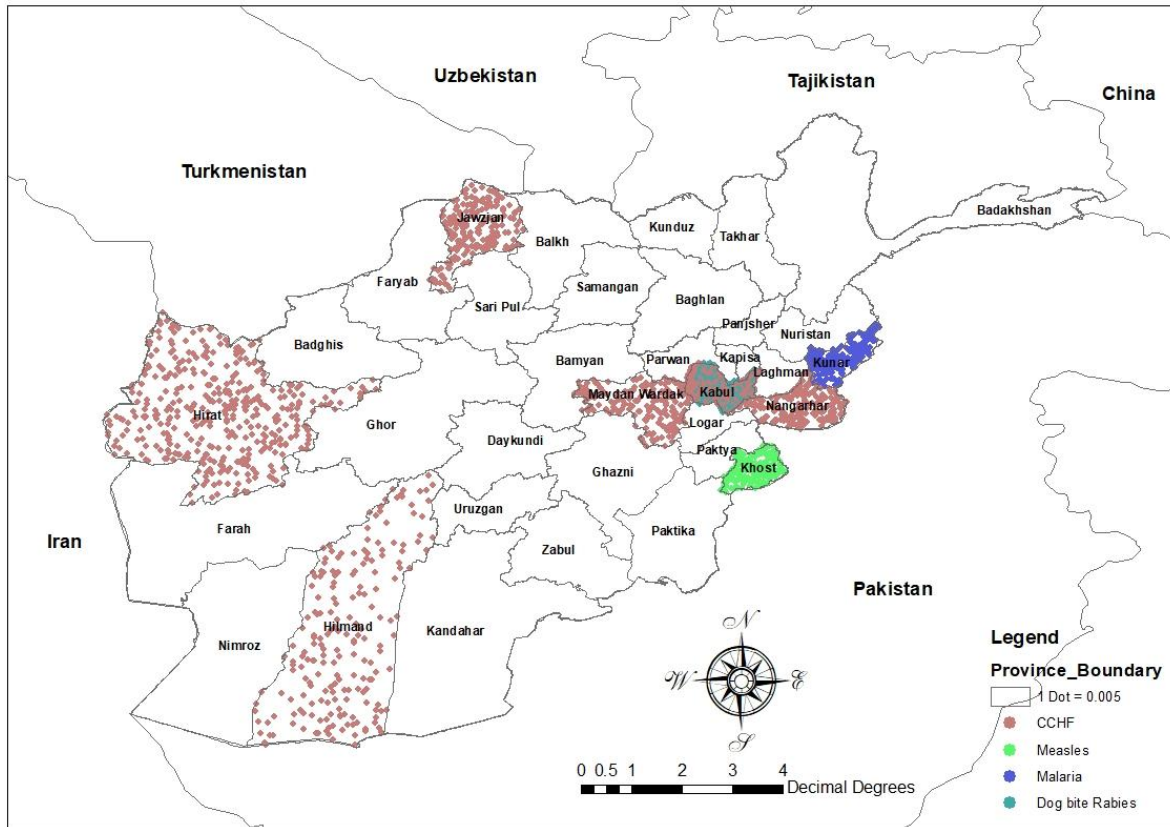


Table 2: Updates on the outbreaks reported during 2018 (31 Dec 2107 to 06 Oct 2018)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	425	123	455	55
Measles	209	144	2772	19
Dog bites/Suspected Rabies	24	2	198	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	734	275	5511	79

Laboratory surveillance:

In this week a total of 114 different specimens/samples were received by CPHL, out of which 05 specimens were positive and 06 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 40, 2018, we have received Epidemiological reports from 9 out of 9 sentinel sites. Out of all new hospital admission, 159 (4.7%) Sever Acute Respiratory Infections cases were reported and 58% of them were among under 5 years old. The proportion of SARI cases was increased than week 39. Three SARI associated deaths were reported in this week.

In EPI week 40 our National Influenza Center (NIC) received 50 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.