



National Disease Surveillance & Response (NDSR)

Weekly Epidemiological Report–44th

28 Oct to 03Nov2018

Summary:

- Out of 572 functional Surveillance sentinel sites, 563(98.4%) have submitted reports this week.
- Out of a total of 495,201 new consultations, 162,556(32.8%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 100,067 cases, 20.2% out of total new consultations and Pneumonia, 16,606 cases, 3.4% out of total new consultations) and Acute Diarrheal Diseases, 41,800 cases, 8.5% out of total new consultations.
- A total of 223 deaths were reported this week, of which 47 were due to Surveillance targeted diseases, which includes 31 Pneumonia deaths, 07 Pregnancy related deaths reported from Rabia balkhi, Zabul, Lashkar gah, Bamyan PH and Herat RH sentinel sites, 03 Meningitis deaths, 02 Acute Watery Diarrhea with Dehydration deaths, 02 Hemorrhagic fever deaths, one Acute Viral Hepatitis death and one Measles death.
- Total of 08 outbreaks reported this week; of which 05 were CCHF outbreaks reported from Herat, Kabul, Faryab, Helmand and Laghman provinces, 02 Dog bite/suspected Rabies outbreaks reported from Herat and Wardak provinces and 01 Measles outbreak reported from Paktika province.

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

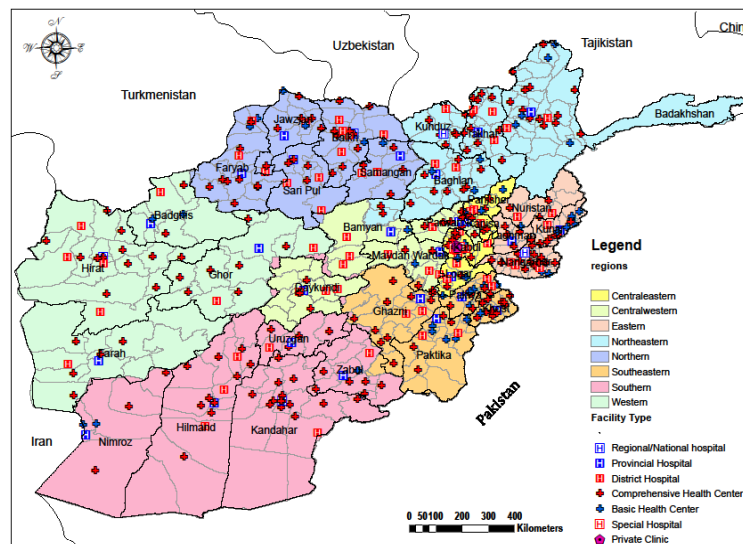


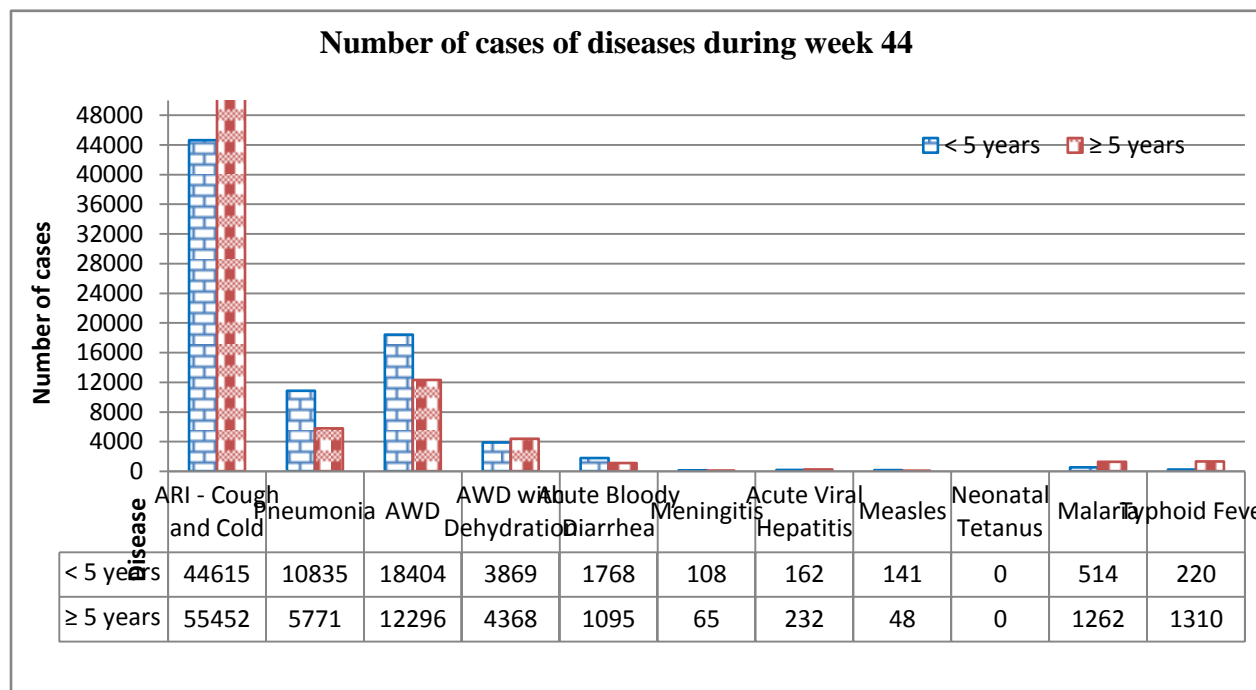
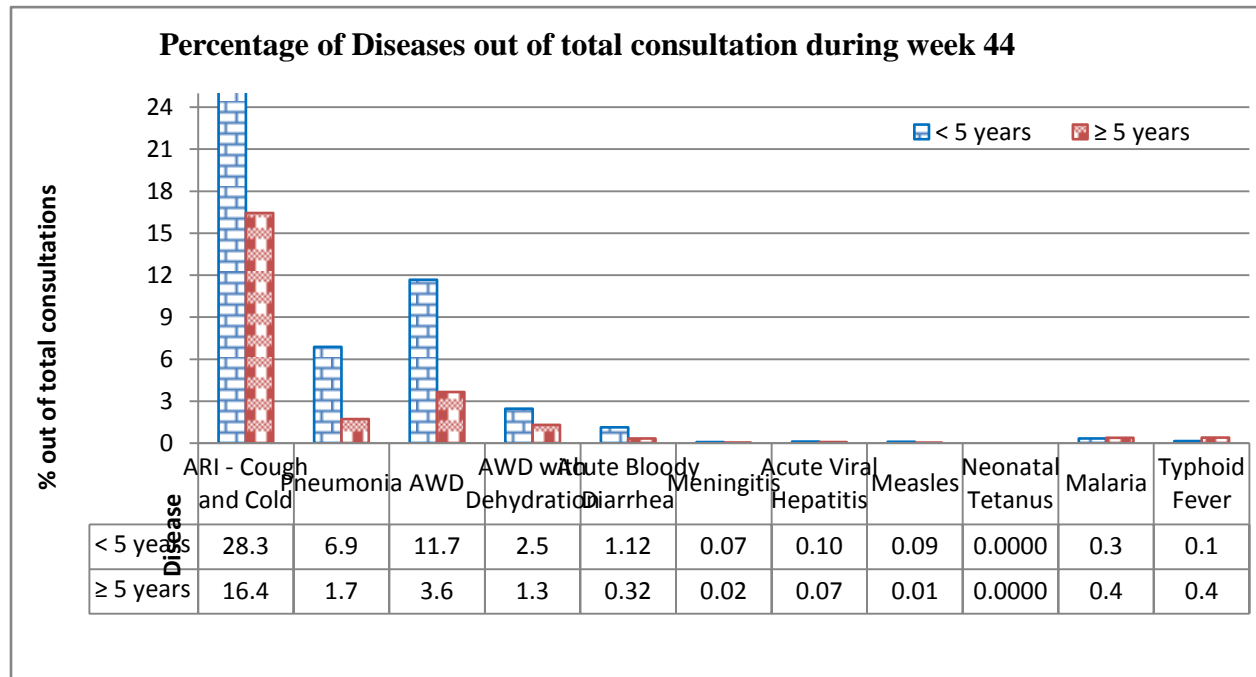
Table 1: Coverage of NDSR Surveillance System

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	46	15	572

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

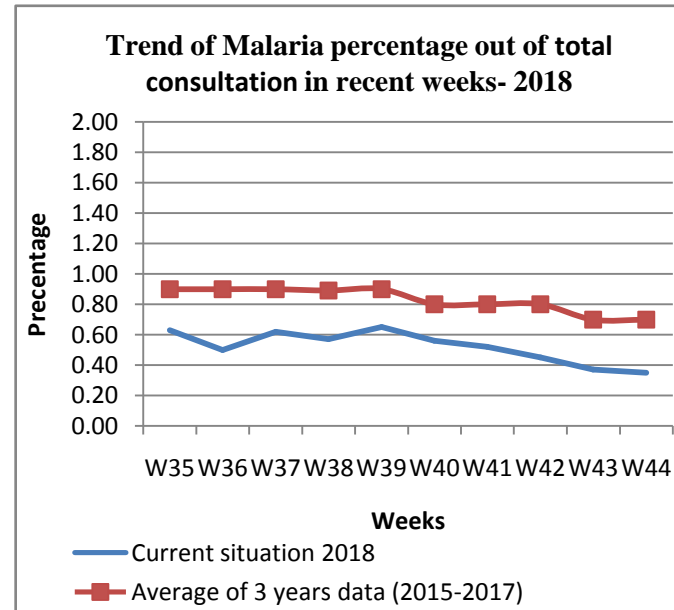
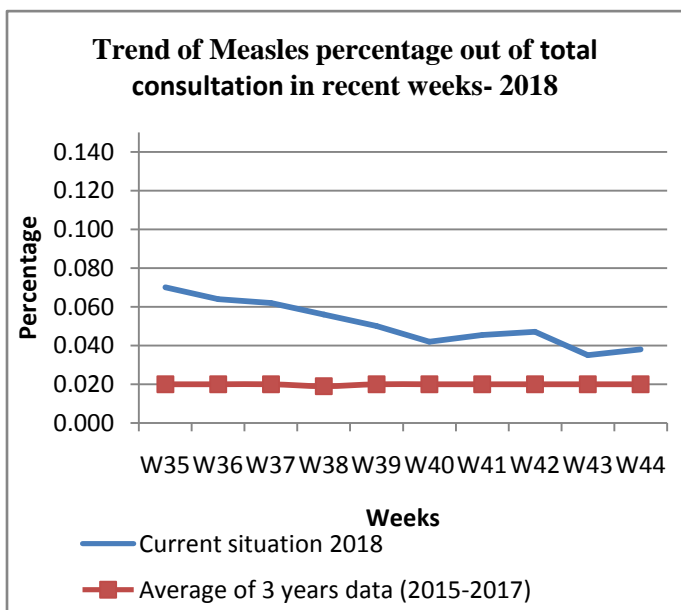
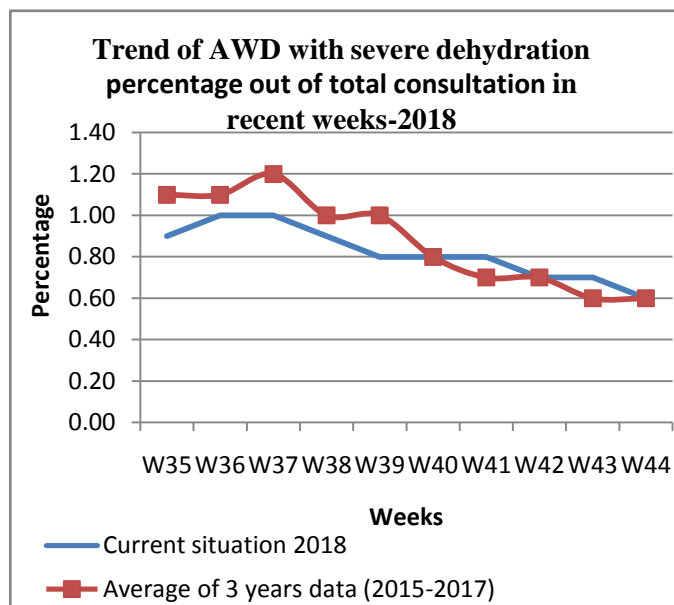
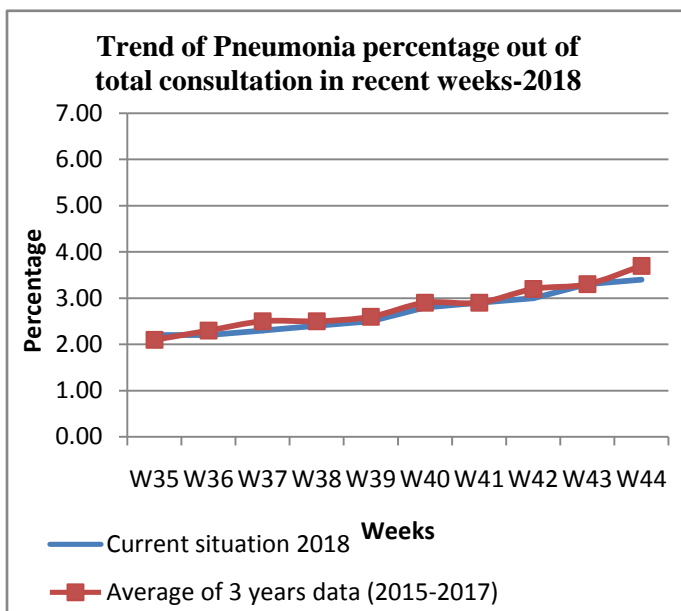


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 44th, 2018

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	141	48	189	1	0	1	0.53

Seasonal Diseases:



During week 44th total of 08 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		
28 Oct 2018	Faryab	Khoja Sabz posh wali	Shabgi	1	1	18 Y	Farmer	<p>During this week the CCHF cases are increased compared to the previous week and similar with the same week of the last year.</p> <p>Majority of the cases were reported among animal holders 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 40% (per 100)</p>		
01 Nov 2018	Kabul	District 12	Arzan Qimat	1	1	35 Y	Housewife			
28 Oct 2018	Helmand	Lashkargah	Mukhtar	1	0	0 Y	Unknown			
29 Oct 2018	Laghman	Dawlatshah	Novia	1	0	20 Y	Student			
31 Oct 2018	Hirat	Injil	Baland	1	0	53 Y	Shepherd			
Dog bite/suspected Rabies outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
27 Oct 2018	Wardak	Behsood 2	Dahane Garmab	5	0	<p>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 strategies</p>				
1 Nov 2018	Hirat	Injil	Safidraw an	7	0					
Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	cover age %	Vaccination	Recommendation/Action take
28 Oct 2018	Paktika	Sharana	Bata i	2	6	8	0	40%	Unkn own	<p>This year we had more Measles outbreaks compared to previous year, Relevant programs are requested to implement the preventive and control strategies</p>

Figure 3: Outbreaks investigated during the week 44th, 2018

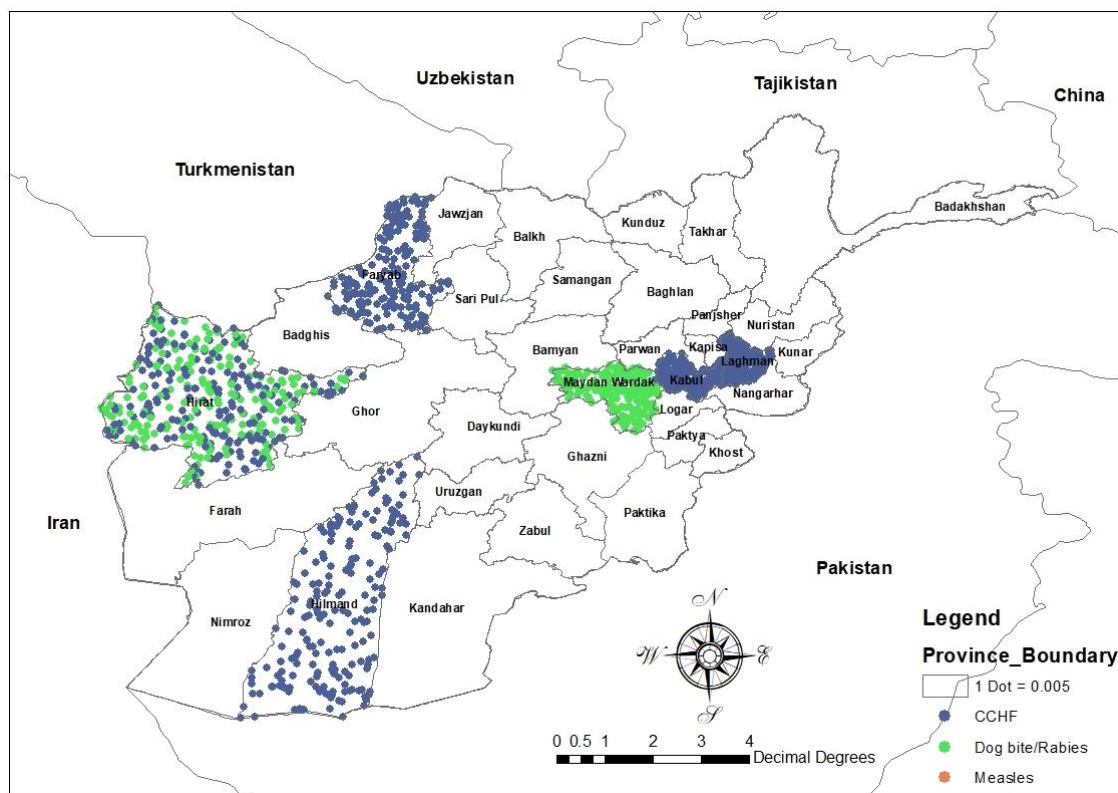


Table 2: Updates on the outbreaks reported during 2018 (31 Dec 2107 to 03 Nov 2018)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	443	127	473	59
Measles	212	144	2793	20
Dog bites/Suspected Rabies	27	2	217	2
Chickenpox	23	1	378	0
Pertussis	19	1	142	0
Food poisoning	10	0	446	0
Scabies	6	0	541	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	760	279	5693	84

Laboratory surveillance:

In this week a total of 75 different specimens/samples were received by CPHL, out of which 04 specimens were positive for Measles and 02 specimens were positive and 01 specimen was negative for CCHF while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 44, 2018, 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, 177(4.9%) Sever Acute Respiratory Infections cases were reported and 63 % of them were among under 5 years old. The proportion of SARI cases were increased among under five children than week 43. There were 3 SARI associated deaths reported in this week.

In EPI week 44 our National Influenza Center (NIC) received 55 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.