



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)

Weekly Epidemiological Report–45th

04 to 10 Nov2018

Summary:

- Out of 573 functional Surveillance sentinel sites, 560(97.7%) have submitted reports this week.
- Out of a total of 502,382 new consultations, 169,992(33.8%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 107,381 cases, 21.4% out of total new consultations and Pneumonia, 17,870 cases, 3.6% out of total new consultations) and Acute Diarrheal Diseases, 41,056 cases, 8.2% out of total new consultations.
- A total of 257 deaths were reported this week, of which 41 were due to Surveillance targeted diseases, which includes 27 Pneumonia deaths, 08 Meningitis deaths, 05 Pregnancy related deaths reported from Mirwais, Lashkargah, Rabia balkhi and Nangarhar RH sentinel sites and 01 Acute Watery Diarrhea death.
- Total of 04 outbreaks reported this week; of which 02 were CCHF outbreaks reported from Bamyan and Kapisa provinces, one Dog bite/suspected Rabies outbreak reported from Parwan province and one Measles outbreak reported from Paktika province.

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

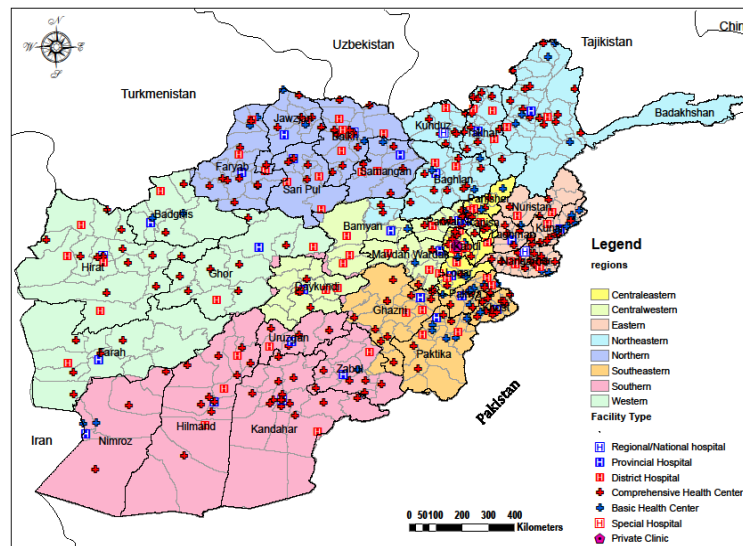


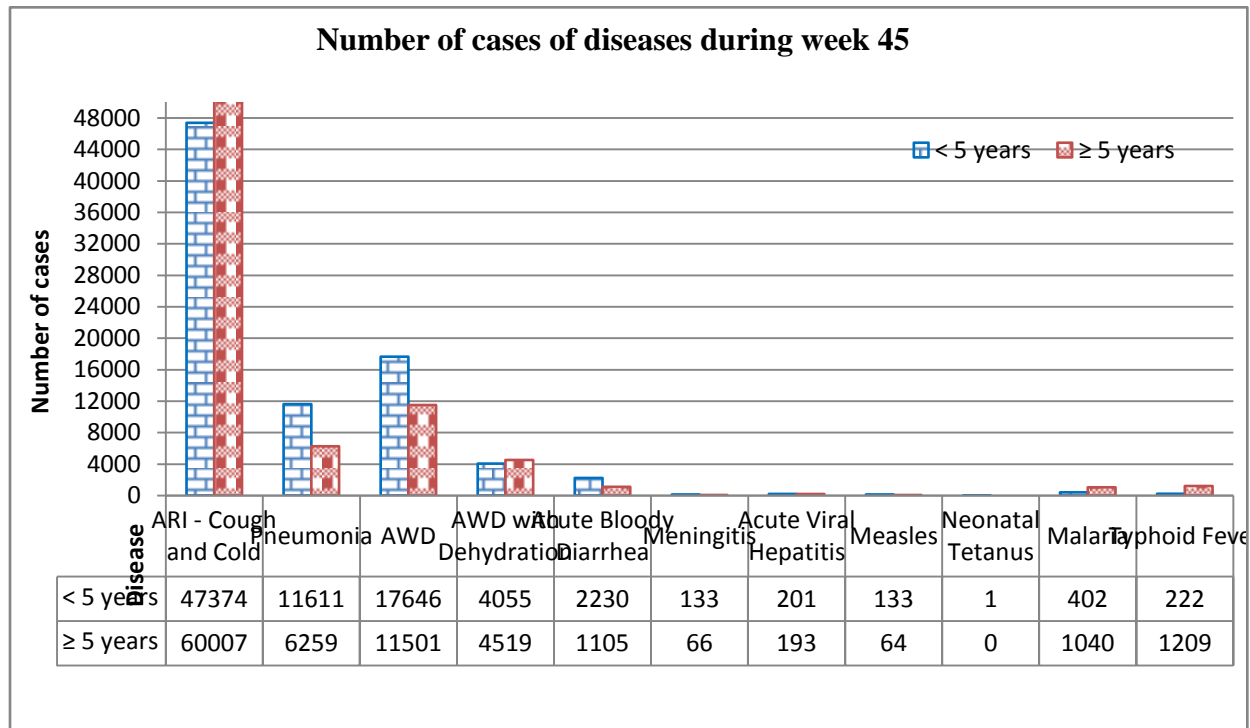
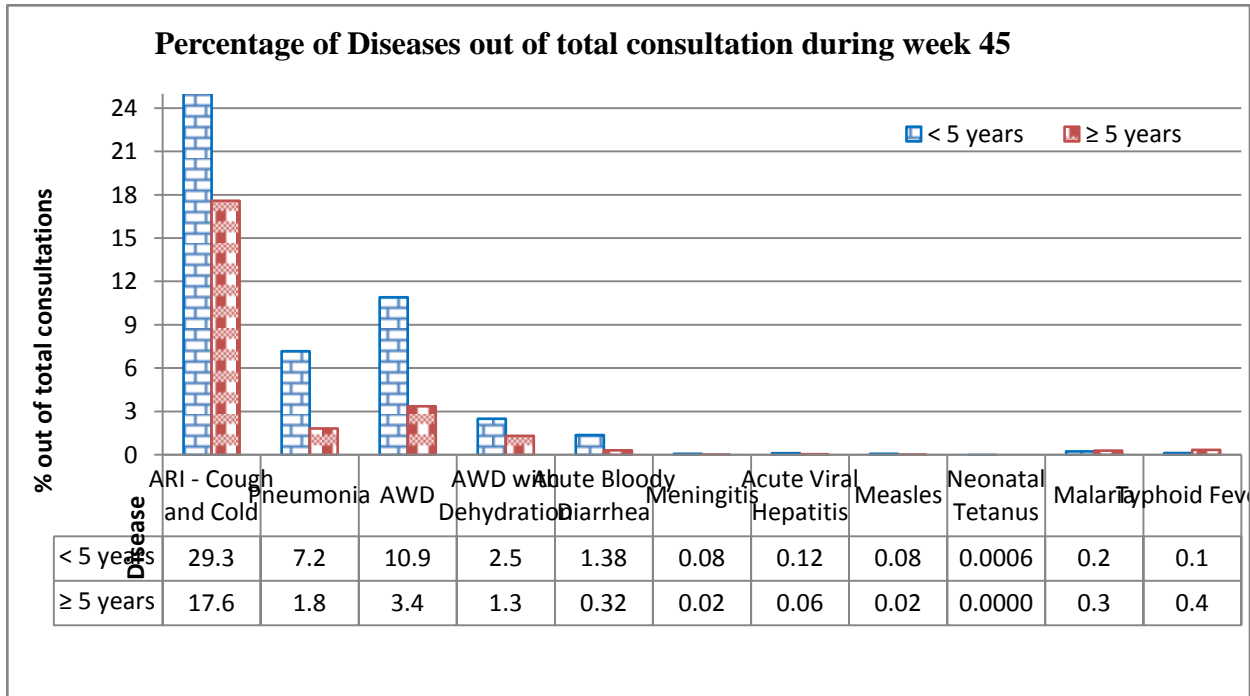
Table 1: Coverage of NDSR Surveillance System

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	405	1	46	15	573

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

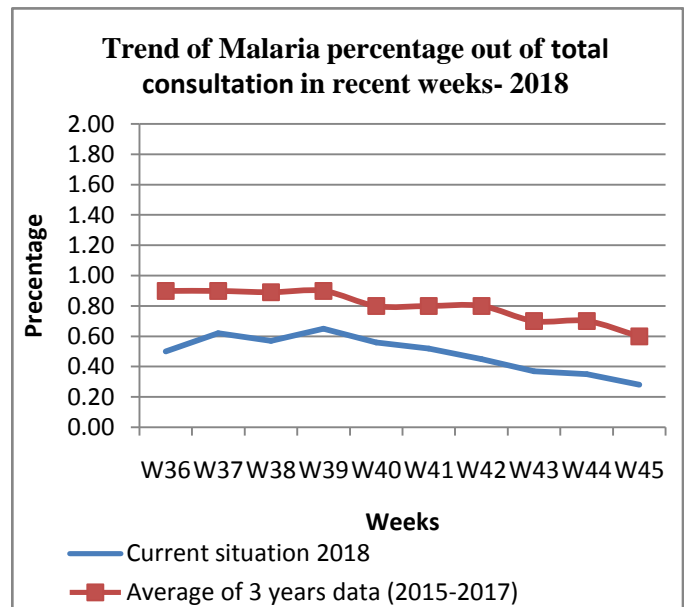
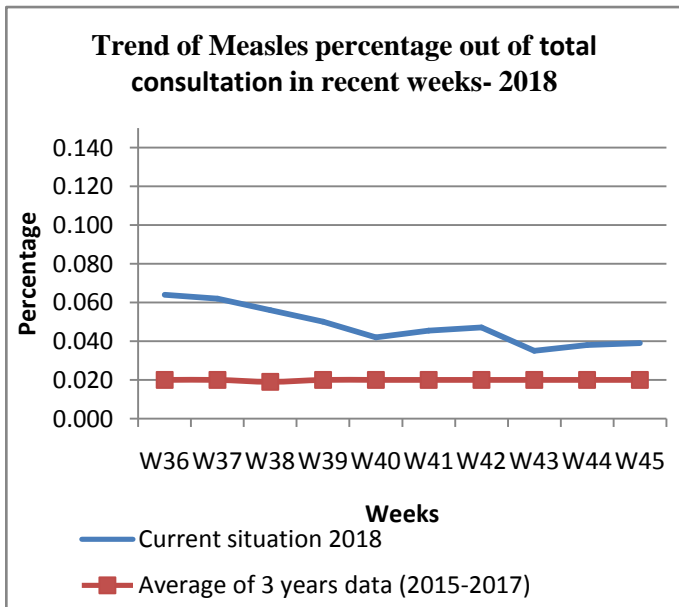
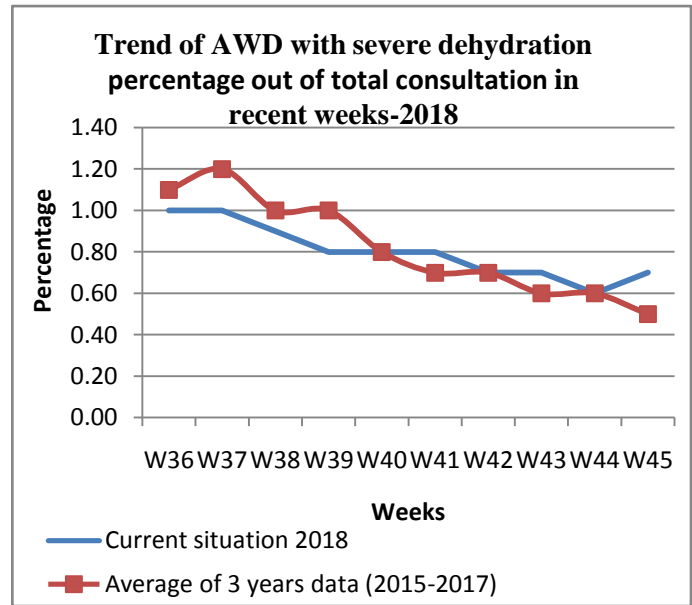
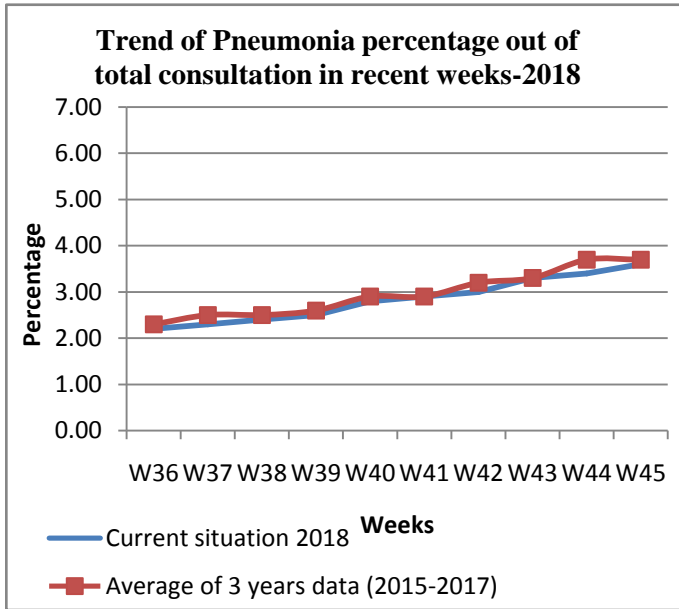


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 45th, 2018

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	133	64	197	0	0	0	0.00
Pertussis	3	0	3	0	0	0	0.00
Neonatal tetanus	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 45th total of 04 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		
6 Nov 2018	Bamyan	Kama	Hafar	1	0	20 Y	Farmer	<p>During this week the CCHF cases are decreased compared to the previous week and same week of the last year. The cases were reported from Kapisa and Bamyan provinces, the cases were among Farmer and Housewife 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 0% (per 100)</p>		
7 Nov 2018	Kapisa	Alasay	Hashomy	1	0	30 Y	Housewife			
Dog bite/suspected rabies outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
7 Nov 2018	Parwan	Siagerd	Jangal Bagh	4	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>				
Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
6 Nov 2018	Paktika	Yousuf khil	Landy zi	7	2	9	0	38%	NA	<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 45th, 2018

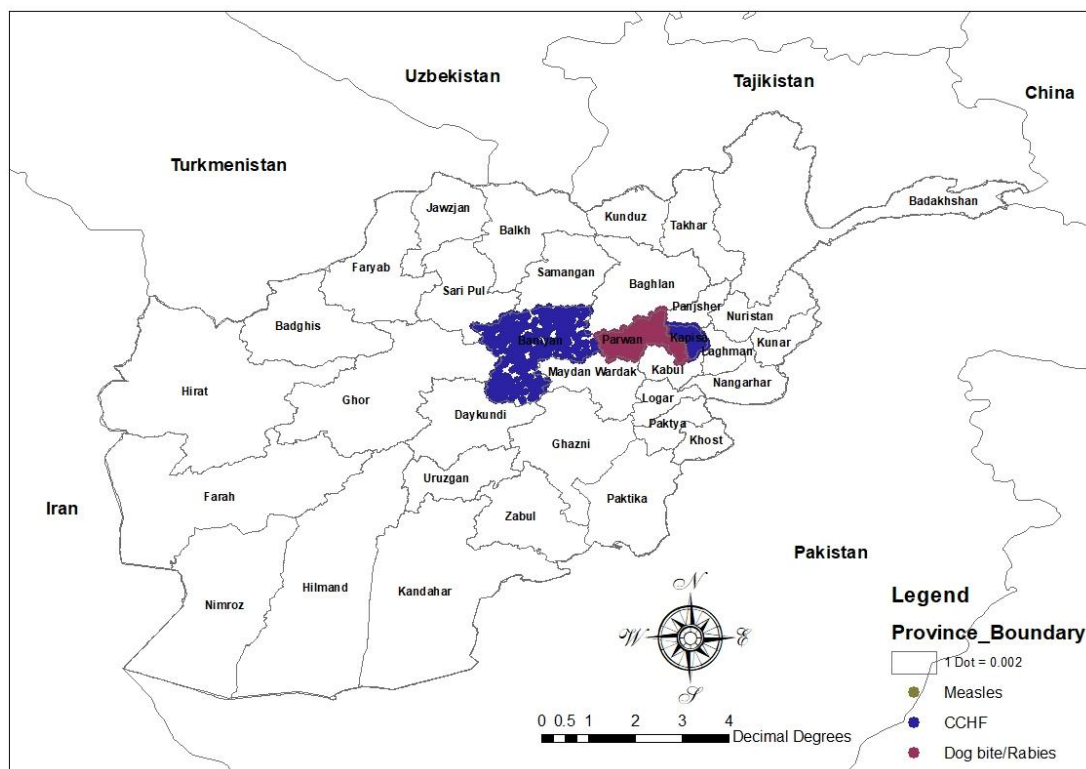


Table 2: Updates on the outbreaks reported during 2018 (31 Dec 2107 to 10 Nov 2018)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	445	127	475	59
Measles	213	144	2802	20
Dog bites/Suspected Rabies	28	2	221	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	764	279	5708	84

Laboratory surveillance:

In this week a total of 110 different specimens/samples were received by CPHL, out of which 06 specimens were positive and 01 specimen was negative 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 45, 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, 184(5.8%) Sever Acute Respiratory Infections cases were reported and 61 % of them were among under 5 years old. The proportion of SARI cases was increased than week 44. There were 3 SARI associated deaths reported in this week.

In EPI week 45 our National Influenza Center (NIC) received 56 SARI and 36 ILI specimens. In this week our NIC detected one H1N1 Pd09 from Herat province.

Recommendations:

The increase in the trend of suspected Measles and AWD with severe dehydration cases in this week is the cause of concern; this should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.