



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
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National Disease Surveillance & Response (NDSR)

Weekly Epidemiological Report–37th

09 to 15 Sep2018

Summary:

- Out of 571 functional Surveillance sentinel sites, 554(97%) have submitted reports this week.
- Out of a total of 530,696 new consultations, 172,667(32.5%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 85,363 cases, 16.1% out of total new consultations and Pneumonia, 12,276 cases, 2.5% out of total new consultations) and Acute Diarrheal Diseases, 68,913 cases, 12.9% out of total new consultations.
- A total of 227 deaths were reported this week, of which 49 were due to Surveillance targeted diseases, which includes 26 Pneumonia deaths, 10 Meningitis deaths, 06 Acute Diarrheal Disease deaths, 04 Hemorrhagic fever deaths, 02 Measles deaths and 01 Pregnancy related death reported from Bazar sukhta sentinel site.
- Total of 18 outbreaks reported this week; of which 17 were CCHF outbreaks reported from Kabul, Hirat, Paktika, Takhar, Parwan, Khost, Bamian, Balkh and Badghis provinces and 01 Food poisoning outbreak reported from Parwan province.

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

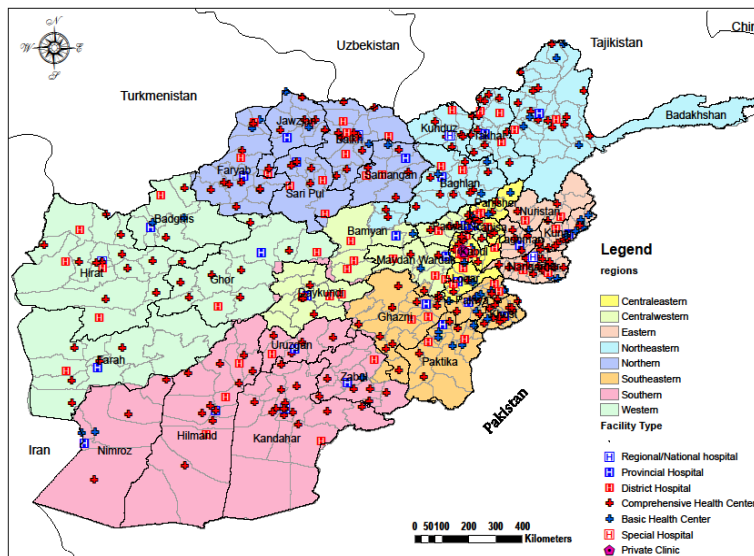


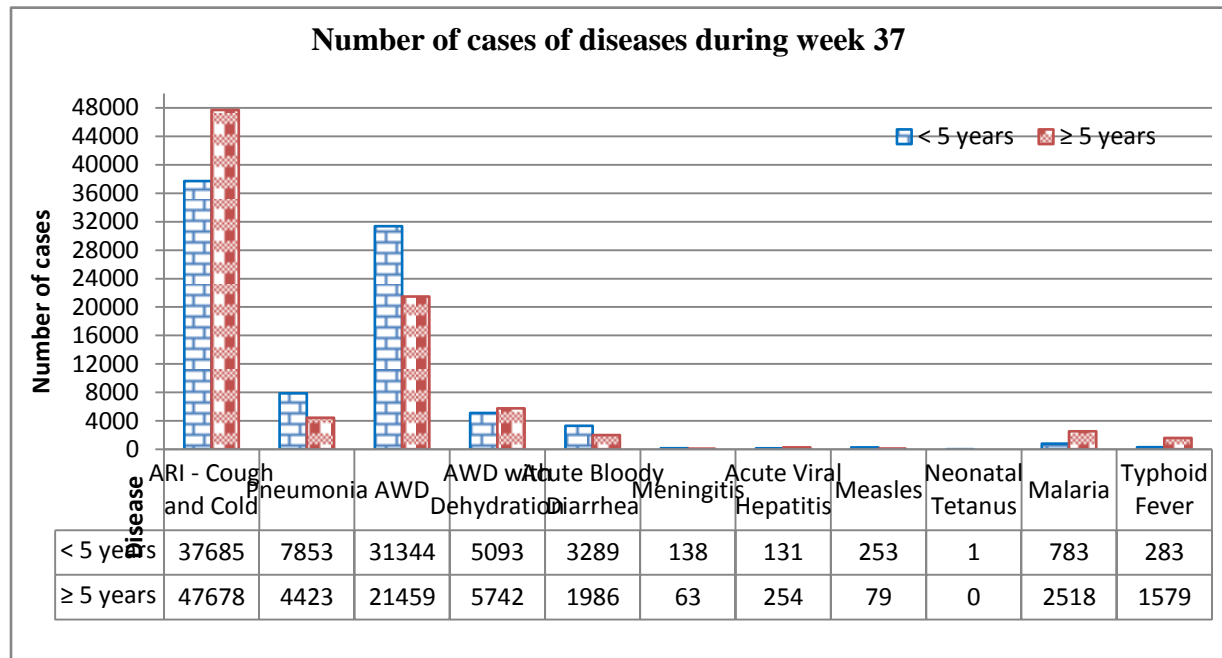
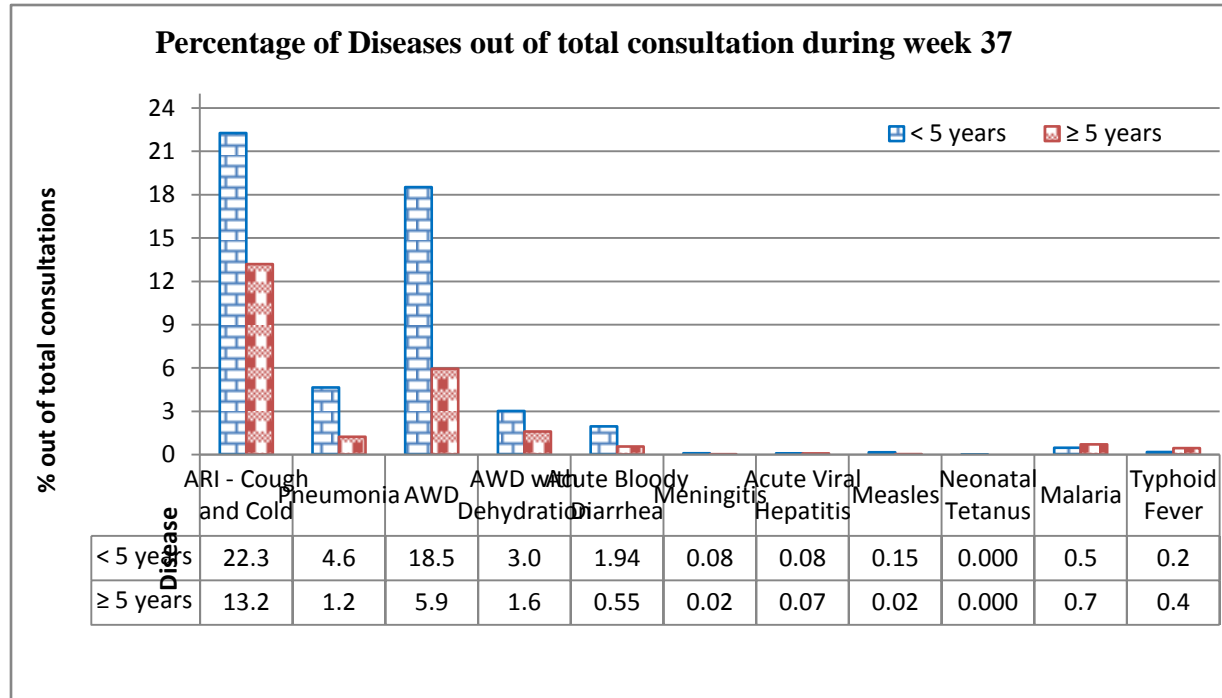
Table 1: Coverage of NDSR Surveillance System

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

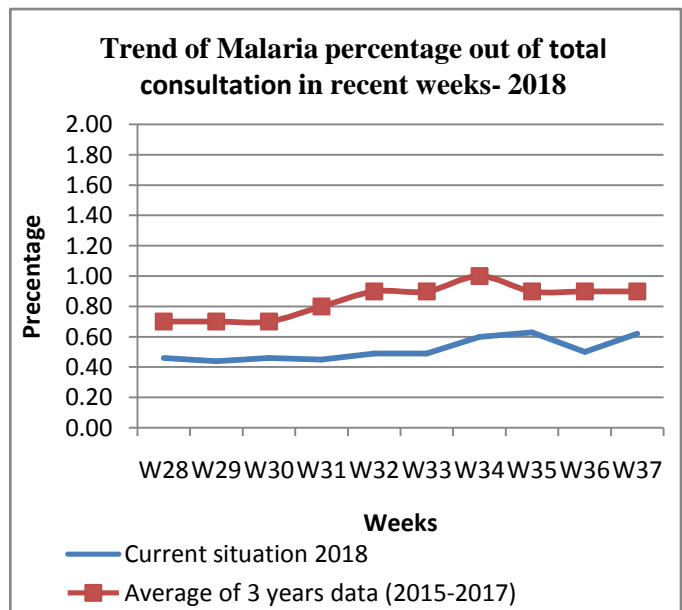
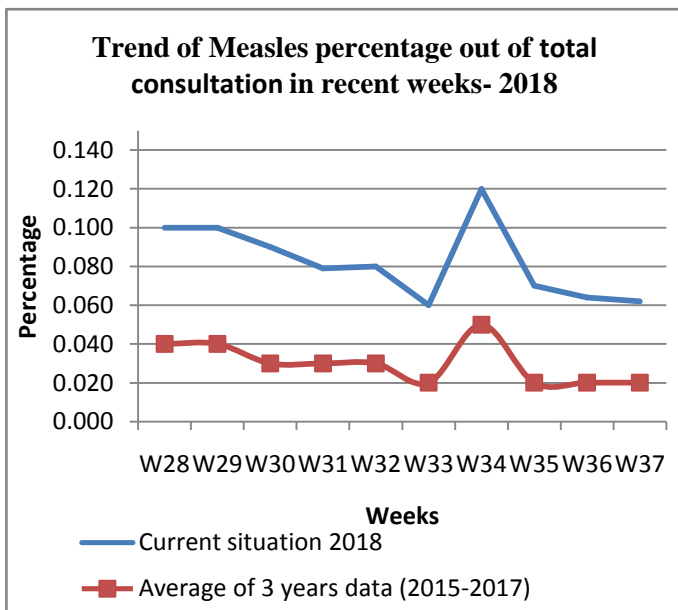
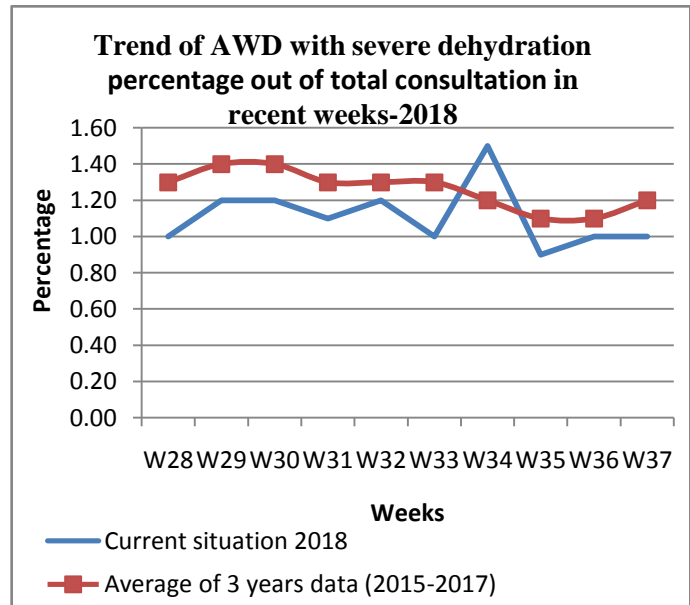
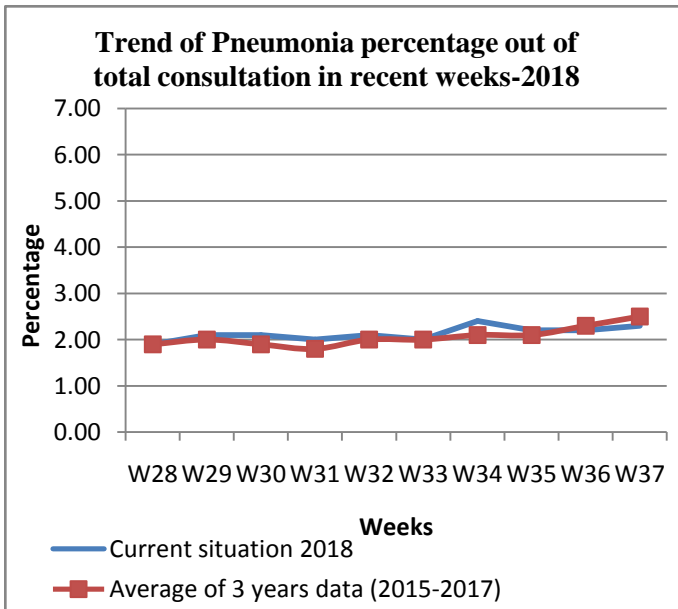


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 37th, 2018

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	131	254	385	0	0	0	0.00
Pertussis	253	79	332	2	0	2	0.60
Neonatal tetanus	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 37th total of 18 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
9 Sep 2018	Paktika	Khairkut	Katawaz	1	0	16 Y	Student	<p>During this week the CCHF cases are significantly decreased compared to the previous week and smoothly decreased than the same week of the last year.</p> <p>Majority of the cases were reported from Heart and Kabul provinces, especially from Kabul IDH and Herat regional Hospital, most of the cases were among Butcher 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 11.8 % (per 100)</p>
10 Sep 2018	Bamian	Markaz	Dara Sadat	1	0	24 Y	Worker	
10 Aug 2018	Kabul	District 4	Baraki	1	0	28 Y	Student	
10 Sep 2018	Khost	Tani	0	1	0	60 Y	Animal dealer	
13 Sep 2018	Kabul	District 13	Barchi	1	0	19 Y	Student	
13 Sep 2018	Takhar	Markaz	0	1	0	30 Y	Jobless	
13 Sep 2018	Kabul	ChaharAsia b	KAhair abad	1	0	45 Y	Animal Dealer	
14 Sep 2018	Parwan	Bagram	0	1	1	55 Y	Housewife	
14 Aug 2018	Balkh	Deh Dadi	Chel Gazi	1	0	52 Y	Jobless	
9 Sep 2018	Hirat	Shindand	Chayak	1	0	19 Y	Student	
9 Sep 2018	Hirat	Pashton Zarghon	Bland AB	1	0	50 Y	Butcher	
9 Sep 2018	Hirat	Obeh	Gonabad	1	0	15 Y	Student	
9 Sep 2018	Hirat	City	Area 6 th	1	0	35 Y	Butcher	
9 Sep 2018	Hirat	Guzara	Sharak	1	0	40 Y	Worker	
13 Sep 2018	Hirat	Guzara	MahleDasht	1	0	25 Y	Driver	
13 Sep 2018	Hirat	City	MahleBabaji	1	0	56 Y	Shepherd	
14 Sep 2018	Badghis	Jawnad	Jawand	1	1	65 Y	Farmer	
Food Poisoning outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
9 Sep 2018	Parwan	Salang	Olang	7	0	<p>Food Poisonings are the 6th common causes of outbreaks in 2018 in the country, all the poisoning related outbreaks are detected and diagnosed clinically, there is no proper lab facility to confirm the real cause of the these outbreaks, we recommend the strong public health lab to confirm the poisoning outbreaks.</p>		

Figure 3: Outbreaks investigated during the week 37th,2018

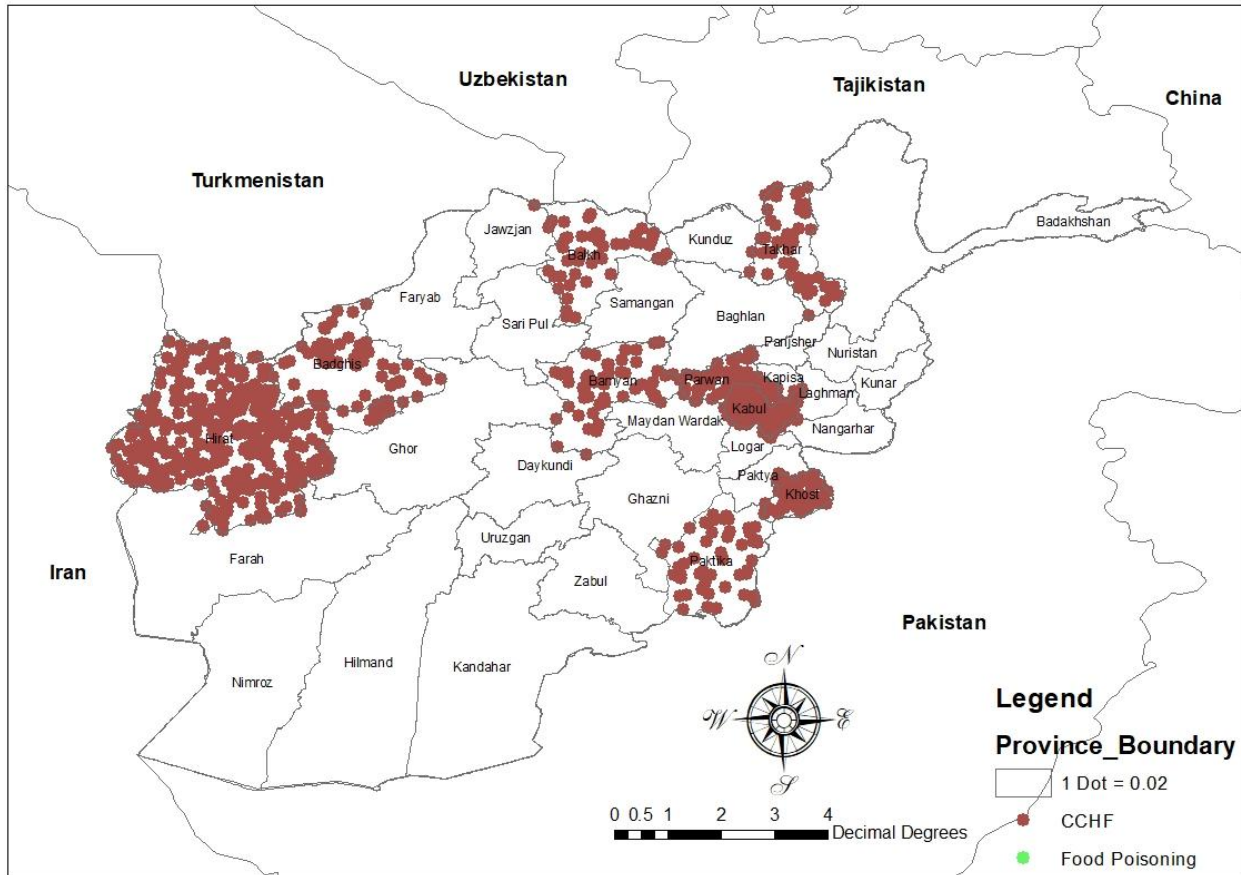


Table 2: Updates on the outbreaks reported during2018 (31 Dec 2107 to 15 Sep 2018)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	382	101	411	50
Measles	206	134	2743	19
Chickenpox	23	1	378	0
Dog bites/Suspected Rabies	21	2	171	2
Pertussis	19	1	142	0
Food poisoning	8	0	428	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

Petrol poisoning	1	0	3	1
Human Immunodeficiency Virus	1	0	1	0
Water poisoning	1	0	221	0
Fly Bite	1	0	5	0
Meningitis	1	1	3	1
Mumps	1	0	5	0
Diphtheria	1	0	3	1
Grand Total	683	242	5289	74

Laboratory surveillance:

In this week a total of 36 different specimens/samples were received by CPHL, out of which 5 specimens were positive and 02 specimens were negative for Measles, one specimen was negative for CCHF and one specimen was negative for Pertussis while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 37, 2018, we have received Epidemiological reports from 9 out of 9 sentinel sites. Out of all new hospital admission, 166(4.3%) Sever Acute Respiratory Infections cases were reported and 70% of them were among under 5 years old. The proportion of SARI cases was increased than week 36. Also 5 SARI associated deaths were reported in this week.

In EPI week 37 our National Influenza Center (NIC) received 29 SARI and 19 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.