



National Disease Surveillance & Response (NDSR)

Weekly Epidemiological Report–31st

29 July to 04 Aug 2018

Summary:

- Out of 571 functional Surveillance sentinel sites, 550 (96.3%) have submitted reports this week.
- Out of a total of 542,568 new consultations, 184,086(33.9%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were Acute Diarrheal Diseases, 87,753 cases, 16.2% out of total new consultations, ARI (Cough & Cold, 79,688 cases, 14.7% out of total new consultations and Pneumonia, 11,104 cases, 2% out of total new consultations).
- A total of 222 deaths were reported this week, of which 49 were due to Surveillance targeted diseases, which includes 24 Pneumonia deaths, 11 Acute Diarrheal Disease deaths, 06 Meningitis deaths, 06 Hemorrhagic fever deaths and 02 Measles deaths.
- Total of 29 outbreaks reported this week; of which 24 were CCHF outbreaks reported from Balkh, Kunduz, Kabul, Baghlan, Parwan, Zabul, Jawzjan and Herat provinces, 02 Dog bite/suspected Rabies outbreaks reported from Takhar and Kabul provinces, one Measles outbreak reported from Helmand province, one Acute Viral Hepatitis outbreak reported from Laghman province, and one Chickenpox outbreak reported from Ghazni province.

Figure 1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility

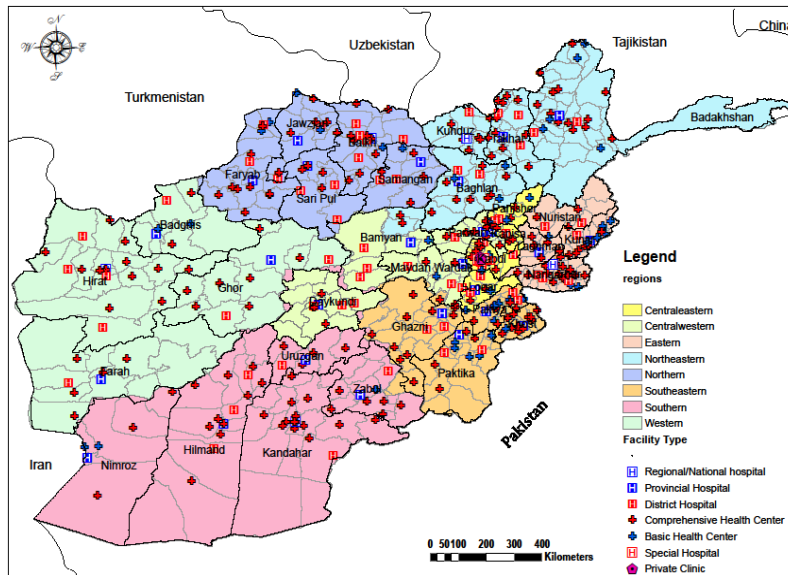


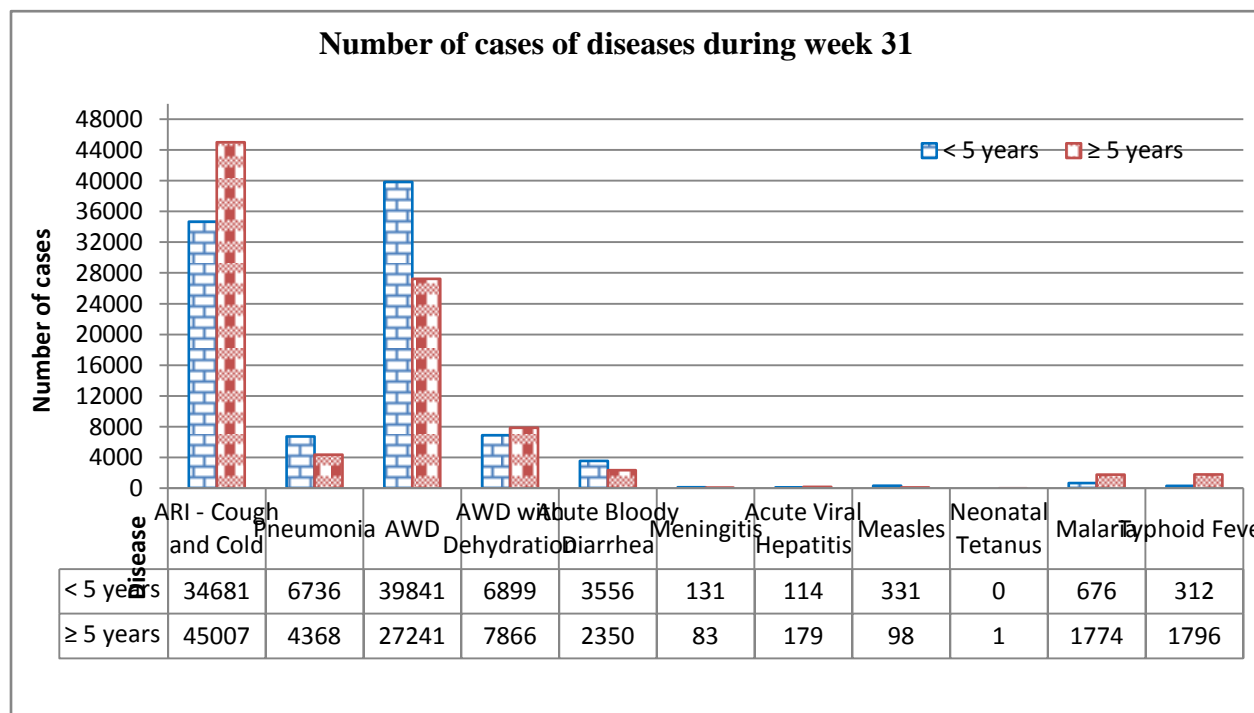
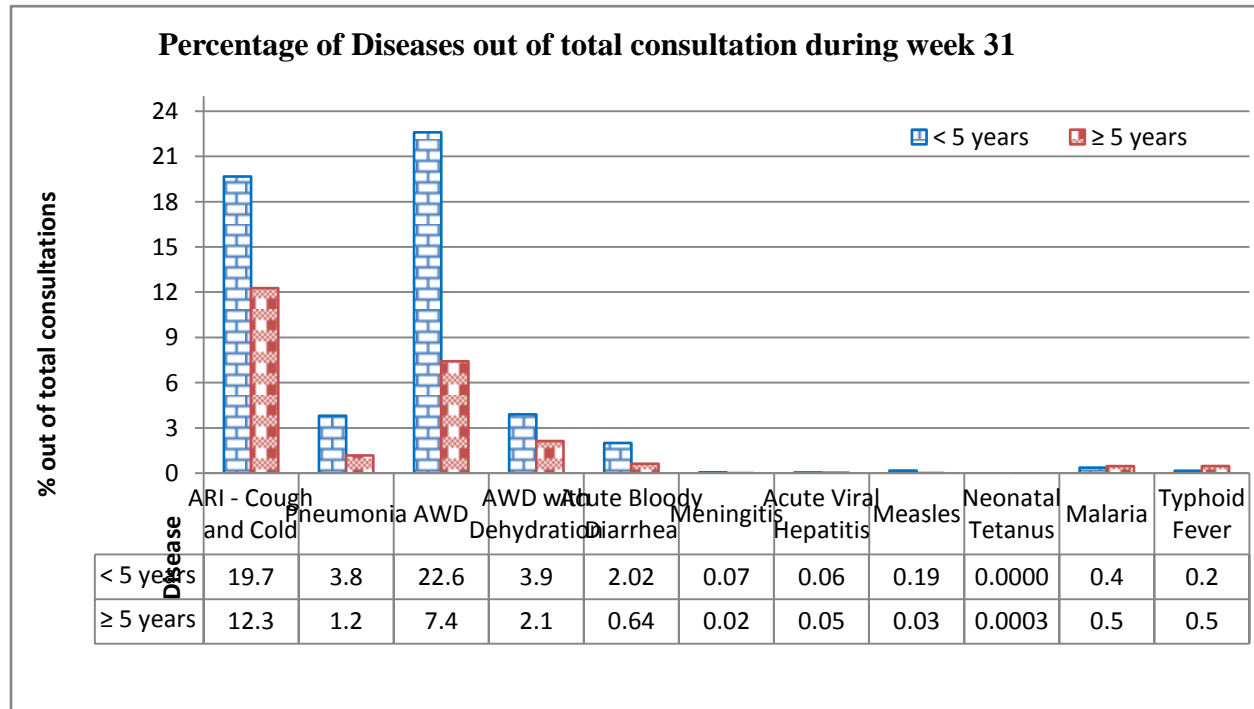
Table 1: Coverage of NDSR Surveillance System

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

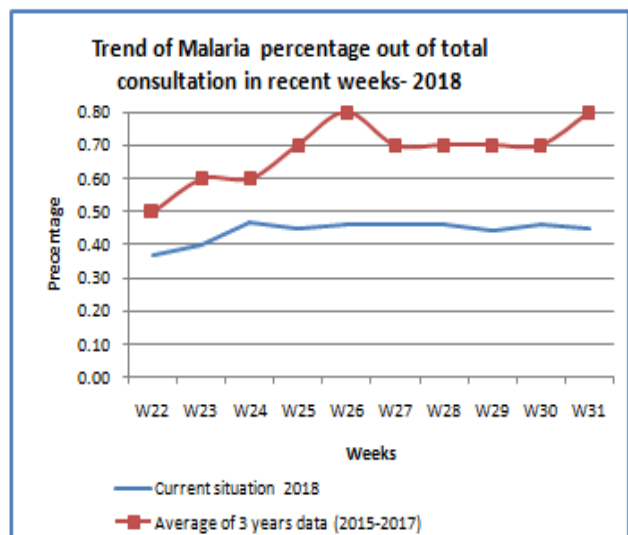
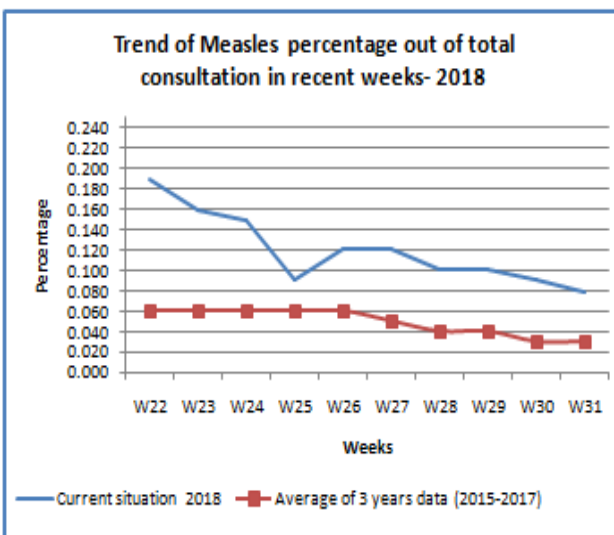
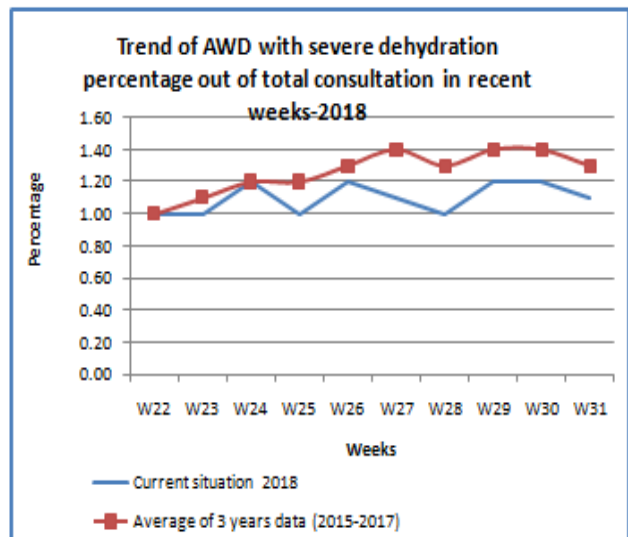
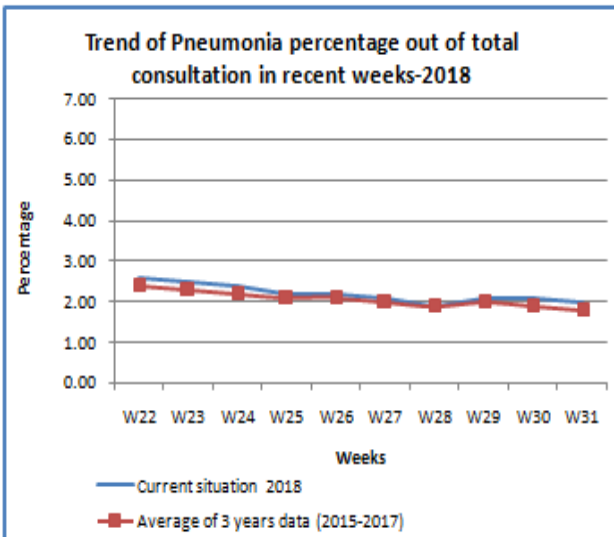


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 31st, 2018

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	331	98	429	1	1	2	0.47
Pertussis	5	0	5	0	0	0	0.00
Tetanus	0	1	1	0	0	0	0.00

Seasonal Diseases:



During week 31st total of 29 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					
29 July 2018	Balkh	Mazar-e sharif	Kamar band Payan	1	0	33 Y	Housewife	During this week the CCHF cases are significantly increased compare to the previous week and the same week of last year.					
29 July 2018	Balkh	Mazar-e-sharif	Yolmarab	1	0	25 Y	Housewife						
31 July 2018	Kunduz	Ali abad	Kochafaza	1	0	20 Y	Farmer						
31 July 2018	Kabul	Distract 4	Cilsitun	1	0	40 Y	Trader						
1 Aug 2018	Kabul	Distract 9	Yakatot	1	0	38 Y	Farmer						
1 Aug 2018	Balkh	Mazar-e-sharif	Mazar-e-sharif	1	0	45 Y	Jobless						
2 Aug 2018	Baghlan	Puli khomri	Band barq	1	0	25 Y	Housewife						
3 Aug 2018	Kabul	Distract 6	Char Qala	1	1	30 y	Engineer						
3 Aug 2018	Balkh	Nahreshahi	Zirat	1	0	40 Y	Jobless						
4 Aug 2018	Parwan	Bagram	Qalandar khil	1	1	30 Y	Housewife						
29 July 2018	Zabul	Arghandab	Sabi joy	2	0	20 Y & 35Y		Majority of the cases were reported among housewives, farmers and Shepherds from Heart, Balkh and Kabul provinces which require more attention by the involved programs.					
31 July 2018	Baghlan	Tala barfak	Gola sang	1	0	7 Y	Housewife						
31 July 2018	Jawizjan	Shebrghan	Center	1	0	58 Y	Housewife						
31 July 2018	Balkh	Dawlat abad	Baido	1	0	52 Y	Housewife						
29 July 2018	Hirat	Pashton Zarghon	Said abad	1	0	45 Y	Housewife						
29 July 2018	Hirat	City	Tanke Aria	1	0	65 Y	Jobless						
29 July 2018	Hirat	Shindand	Bara	1	1	50 Y	Shepherd						
31 Aug 2018	Hirat	Pashton Zarghon	Marwa	1	0	17 Y	Shepherd						
31 July 2018	Hirat	RobatSangi	Jafar Bik	1	0	45 Y	Farmer						
31 July 2018	Hirat	City	Pain Abad	1	1	60 Y	Worker						
31 July 2018	Hirat	City	Qalandar	1	0	13 Y	Butcher	The Case Fatality rate in this week was 20.8 % (per 100)					
31 July 2018	Hirat	Pashton Zarghon	Mir Abad	1	1	40 Y	Farmer						
4 Aug 2018	Hirat	Gulran	Shor Qazalghor	1	0	25 Y	Shepherd						
4 Aug 2018	Hirat	Ghoryan	Roshnam	1	0	23 Y	Housewife						
Dog bite/suspected Rabies outbreaks													
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take							
1 Aug 2018	Kabul	Paghman	Kabul	28	0	This year more outbreaks and cases of dog bite/suspected rabies are reported compared to the previous week and the same week of last year							
1 Aug 2018	Takhar	Taluqan city	Puli Qaq	7	0								
Measles outbreak													
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths				cover age %	Vaccination	Recommendation/Action take
1 Aug 2018	Helmand	Maraja	Tarekhnew	7	3	10	0	85	Unkn own	This year we have 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.
Chickenpox outbreak									
Reported dated	Province	District	Village	<5 case s	≥5 case s	Total cases	Total deaths	Recommendation/Action take	
4 Aug 2018	Ghazni	Zana khan	Hasan Qala	7	4	11	0	The Outbreak was investigated, case management was done and the related health education messages were shared	
Acute Viral Hepatitis outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
29 July 2018	Laghman	Qarghaee	Dehmanjee	06	0	Acute viral hepatitis outbreaks are always reported from Lagman province, the outbreaks are investigated and responded, but further epidemiological studies are needed to be conducted to find the real source and transmission ways of these outbreaks in the said province			

Figure 3: Outbreaks investigated during the week 31st,2018

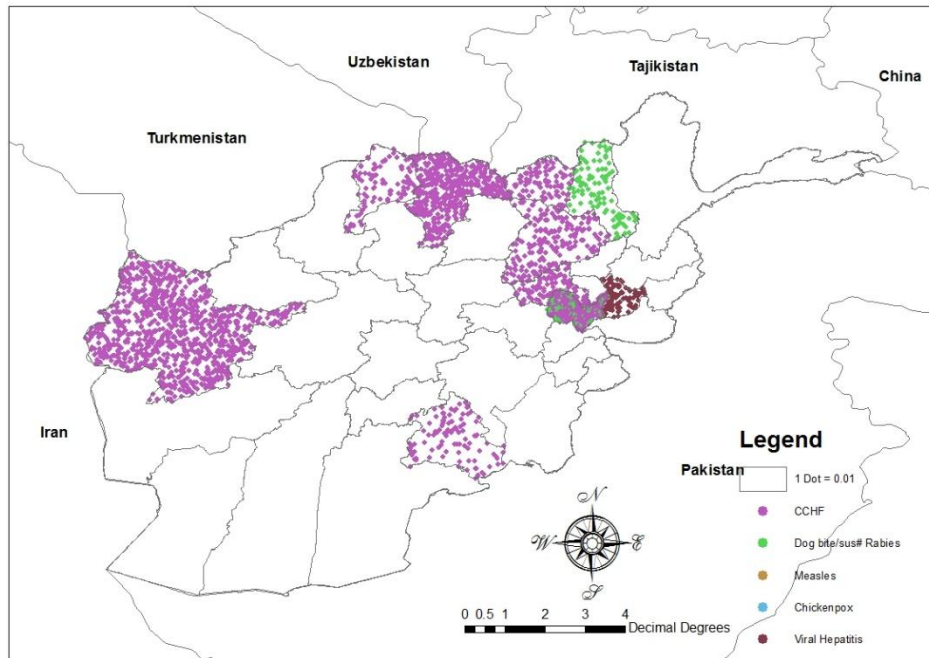


Table 2: Updates on the outbreaks reported during 2018 (31 Dec 2107 to 04 Aug 2018)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	221	59	230	30
Measles	199	129	2674	19
Chickenpox	22	1	366	0
Pertussis	19	1	142	0
Dog bites/Suspected Rabies	19	1	158	2
Scabies	5	0	421	0
Food poisoning	5	0	51	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	509	194	4637	54

Laboratory surveillance:

In this week a total of 77 different specimens/samples were received by CPHL, out of which 18 specimens were positive and 10 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 31, 2018, we have received Epidemiological reports from 9 out of 9 sentinel sites. Out of all new hospital admission, 137 (3.8 %) Severe Acute Respiratory Infections cases were reported and 71.8% of them were among under 5 years old. The proportion of SARI cases was increased as week 30. Three SARI associated death was reported in this week.

In EPI week 31, our National Influenza Center (NIC) received 28 SARI and 17 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 Measles, CCHF and Pertussis is the cause of concern; this should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.