



National Disease Surveillance & Response (NDSR)

05 to 11 Aug 2018

Weekly Epidemiological Report–32nd

Summary:

- Out of 571 functional Surveillance sentinel sites, 528(92.5%) have submitted reports this week.
- Out of a total of 530,695 new consultations, 178,002(33.5%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were Acute Diarrheal Diseases, 83,197 cases, 15.7% out of total new consultations, ARI (Cough & Cold, 78,211 cases, 14.7% out of total new consultations and Pneumonia, 10,900 cases, 2.1% out of total new consultations).
- A total of 209 deaths were reported this week, of which 68 were due to Surveillance targeted diseases, which includes 35 Pneumonia deaths, 13 Meningitis deaths, 11 Acute Diarrheal Disease deaths, 05 Pregnancy related deaths reported from Rabia balkhi, Maimana and Qale now Sentinel sites, 02 Hemorrhagic fever deaths and 02 Measles deaths.
- Total of 21 outbreaks reported this week; of which 18 were CCHF outbreaks reported from Hirat, Kabul, Baghlan, Faryab, Jawezjan, Kandahar, Parwan and Wardak provinces, 02 were Measles outbreaks reported from Khost and Parwan provinces and 01 Food poisoning outbreak reported from laghman province.

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

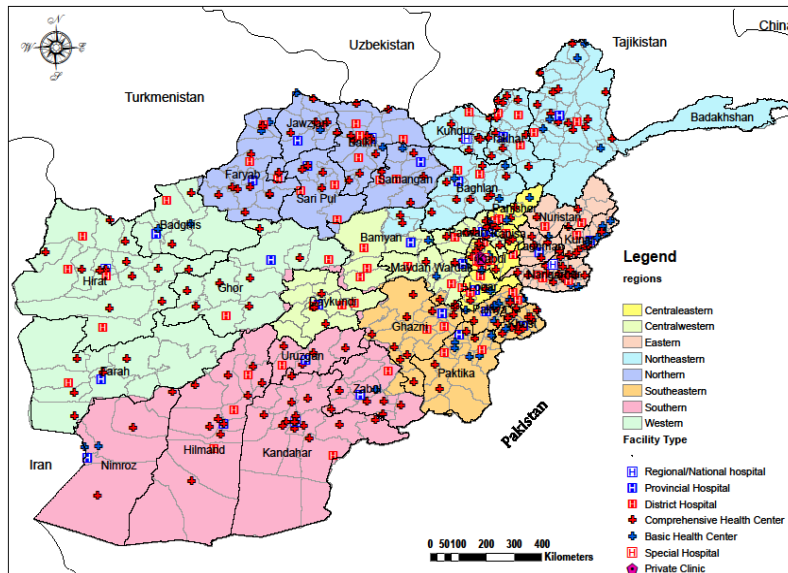


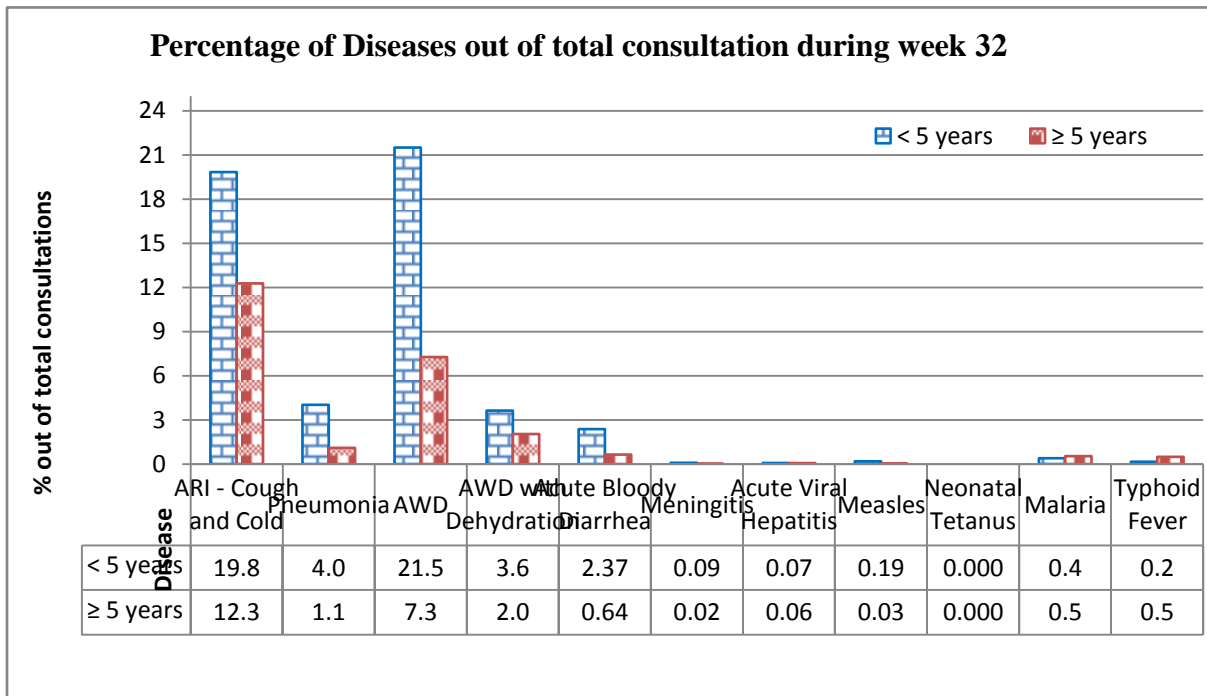
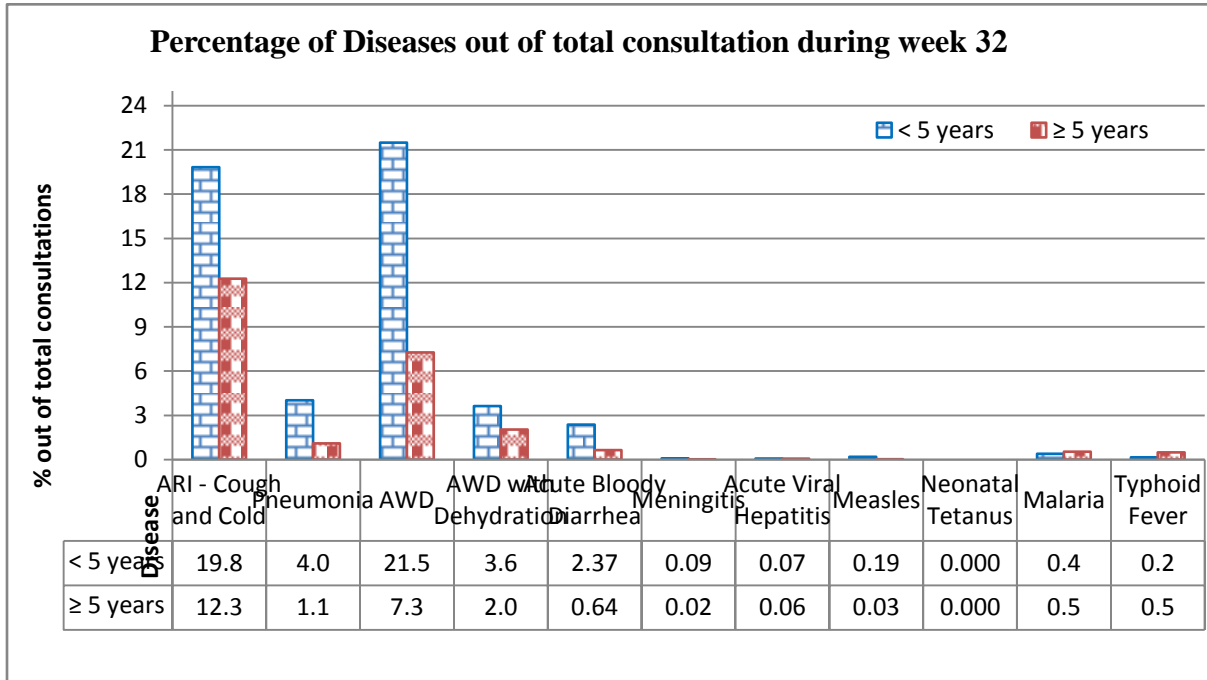
Table 1: Coverage of NDSR Surveillance System

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

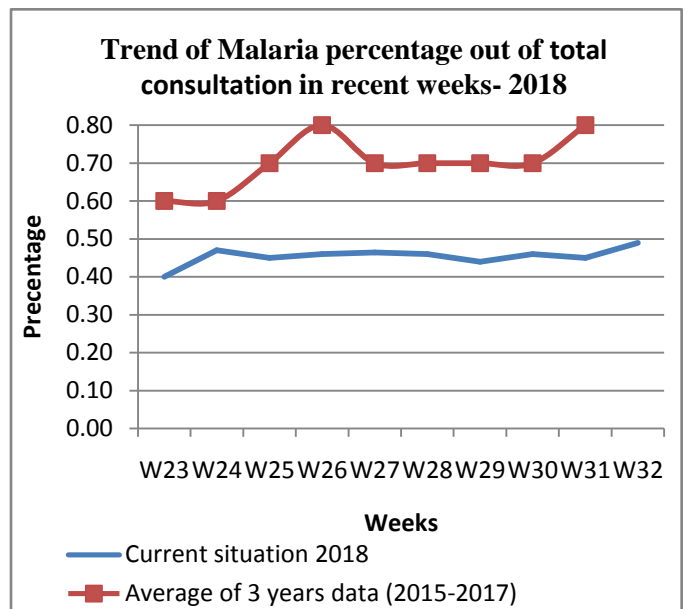
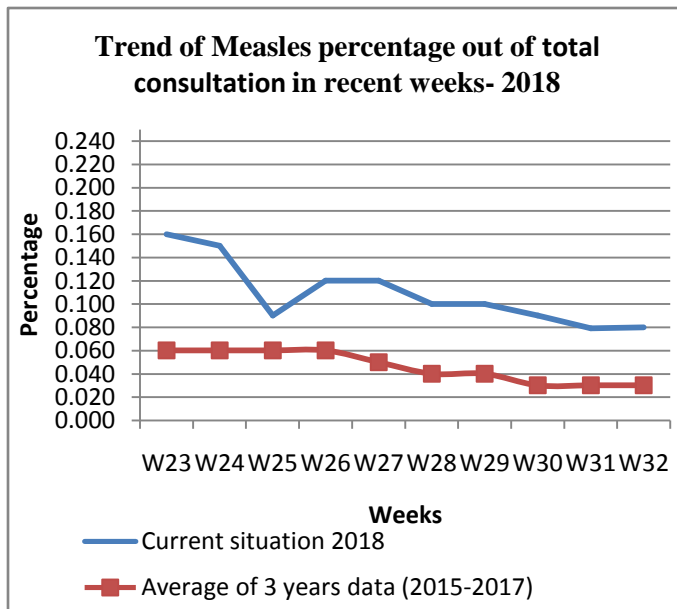
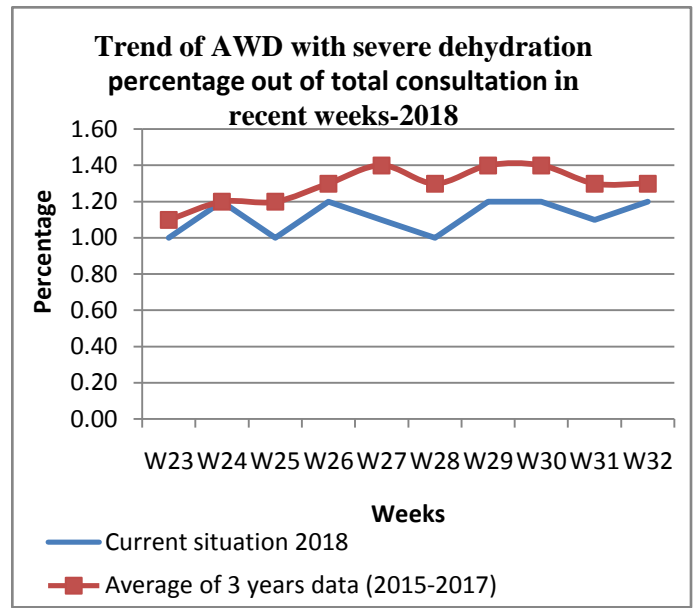
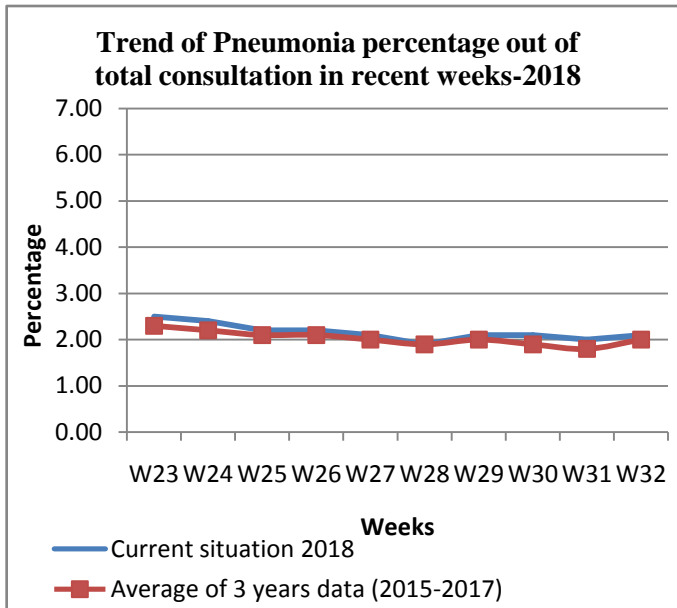


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 32nd, 2018

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	328	97	425	2	0	2	0.47
Pertussis	9	8	17	0	0	0	0.00

Seasonal Diseases:



During week 32nd total of 21 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		
8 Aug 2018	Baghlan	Khost Ferng	Qaghchan	1	0	45 Y	Farmer	During this week the CCHF cases are smoothly decreased compare to the previous week and almost equal with the same week of last year. Majority of the cases were reported among Farmer, Housewives and Butcher from Heart and Kabul provinces which require more attention by the involved programs. The Case Fatality rate in this week was 11.12 % (per 100)		
7 Aug 2018	Jawezjan	Shebergha n	Ghara	1	1	32 Y	Farmer			
7 Aug 2018	Hirat	Zenda jan	Hirat	1	0	53 Y	Farmer			
7 Aug 2018	Kabul	Distract 2	Deh Afghanan	1	0	15 Y	Butcher			
7 Aug 2018	Kabul	Distract 5	Deh Mazang	1	0	23 Y	Jobless			
8 Aug 2018	Parwan	Charikar	Totomdar a	1	0	50 Y	Butcher			
9 Aug 2018	Faryab	Sarjeka	Farsh	1	0	18 Y	Animal Dealer			
9 Aug 2018	Kabul	Distract 6	Char Qala	1	0	18 y	Butcher			
11 Aug 2018	Kabul	Distract 1	Jada Maiwand	1	0	18 Y	Butcher			
11 Aug 2018	Wardak	Said Abad	Onkhimr	1	0	30 Y	Architect			
11 Aug 2018	Kabul	Distract 12	Arzan Qeemat	1	0	54 Y	Employee			
11 Aug 2018	Kandahar	Kandahar City	Distract 11	1	0	7 Y	House wife			
7 Aug 2018	Hirat	City	Faqa	1	1	56 Y	Mullah			
7 Aug 2018	Hirat	Koshka kona	Kariz zaman	1	0	27 Y	House wife			
9 Aug 2018	Hirat	Pashton Zarghon	Sar Ab	1	0	22 Y	House wife			
11 Aug 2018	Hirat	Injil	Shaidae	1	0	45 Y	House wife			
11 Aug 2018	Hirat	Guzara	Gawashan	1	0	50 Y	Butcher			
11 Aug 2018	Hirat	Koshka kona	Kariz Zaman	1	0	30 Y	House wife			
Measles outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	cover age %	Vaccination	Recommendation/Action take
8 August 2018	Khost	Matoon	Piran	9	0	9	0	85	unkno wn	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
5 August 2018	Parwan	Charikar	Khawaja Seyaran	5	4	9	0	55%	Plane d	

Food poisoning outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
8 August 2018	Laghman	Dawlat shah	Masamooti	364	0	<p>Food Poisonings are the 06th common causes of outbreaks in 2018 in the country, all the said outbreaks are detected and diagnosed clinically, there is no proper lab facility to confirm the real cause of these outbreaks,</p> <p>We recommend the strong public health lab to confirm all poisoning outbreaks.</p>

Figure 3: Outbreaks investigated during the week 32nd, 2018

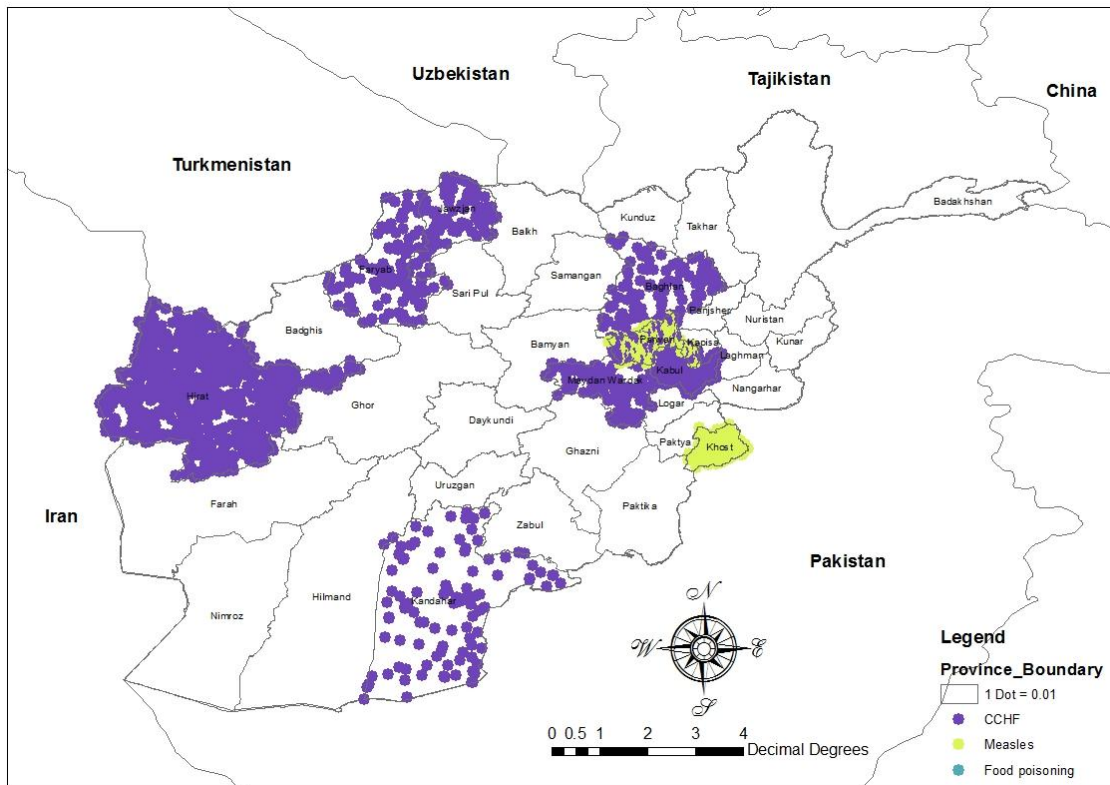


Table 3: Updates on the outbreaks reported during 2018 (31 Dec 2107 to 11 Aug 2018)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	239	77	248	32
Measles	201	132	2692	19
Chickenpox	22	1	366	0
Dog bites/Suspected Rabies	19	1	158	2
Pertussis	19	1	142	0
Food poisoning	6	0	415	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	530	215	5037	56

Laboratory surveillance:

In this week a total of 115 different specimens/samples were received by CPHL, out of which 10 specimens were positive and 25 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 32, 2018, we have received Epidemiological reports from 9 out of 9 sentinel sites. Out of all new hospital admission, 114 (3.1 %) Sever Acute Respiratory Infections cases were reported and 75% of them were among under 5 years old. The proportion of SARI cases was decreased as week 31. Five SARI associated death was reported in this week.

In EPI week 32, our National Influenza Center (NIC) received 33 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.