



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-17th

Date: 21 to 27 April 2019

Summary:

- Out of 650 functional Surveillance sentinel sites, 625(96.2%) have submitted reports this week.
- Out of a total of 539,116 new consultations, 179,971(33.4%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 104,316 cases, 19.3% out of total new consultations and Pneumonia, 19,667 cases, 3.7% out of total new consultations) and Acute Diarrheal Diseases, 52,995 cases, 9.9% out of total new consultations.
- A total of 233 deaths were reported this week, of which 31 were due to Surveillance targeted diseases, which includes 22 Pneumonia deaths, 04 Pregnancy related deaths reported from Rabia Balkhi, Herat and Sharan sentinel sites, 02 Meningitis deaths, 02 Acute Diarrheal Disease deaths and 01 Measles death.
- Total of 07 outbreaks reported this week; of which 02 CCHF and 01 Dog bite/suspected Rabies outbreaks reported from Kabul province, 02 CCHF outbreaks reported from Herat province, one CCHF outbreak reported from Faryab province and one Dog bite/suspected Rabies outbreak reported from Wardak province.

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

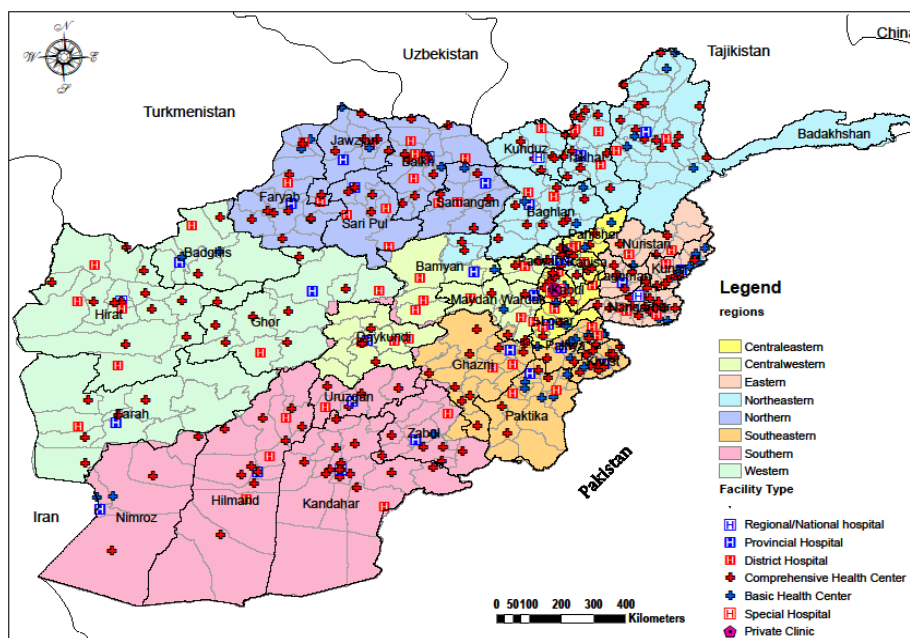


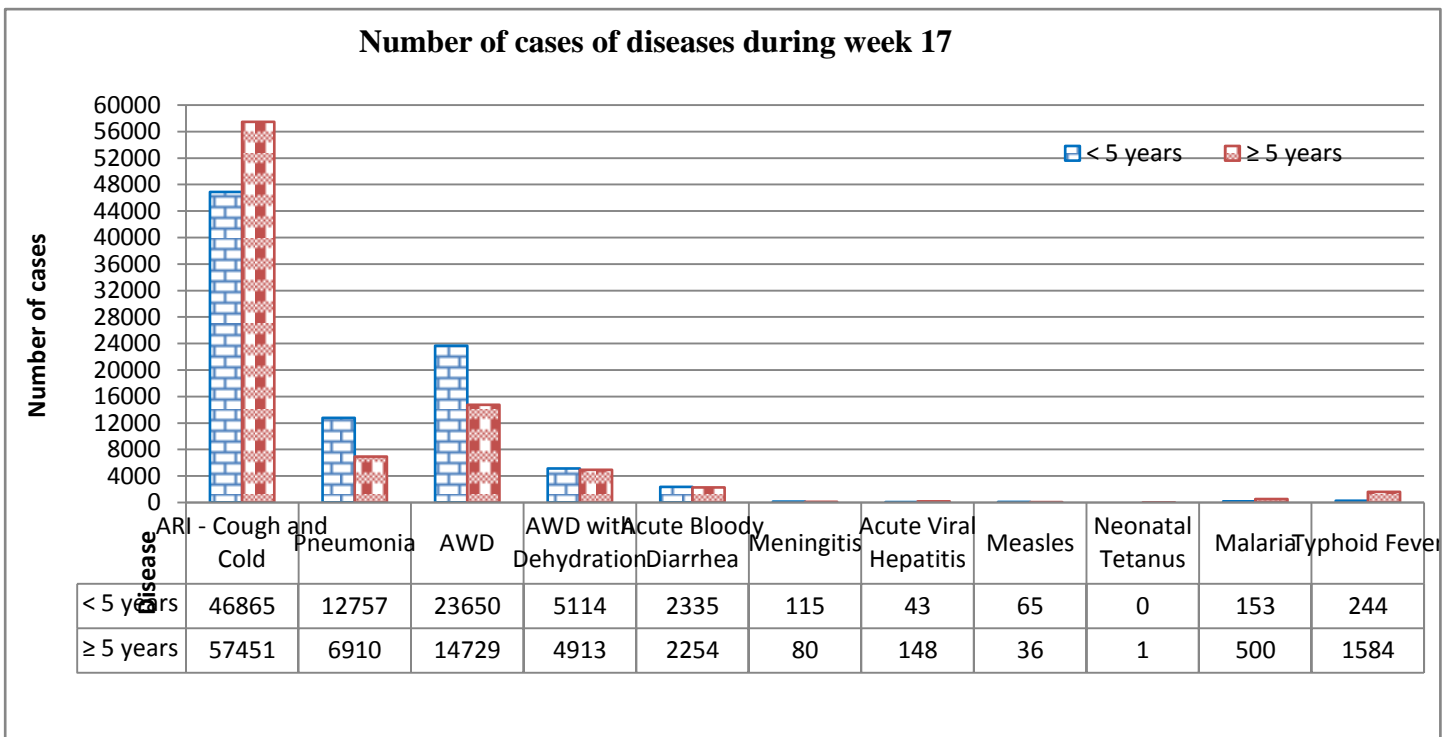
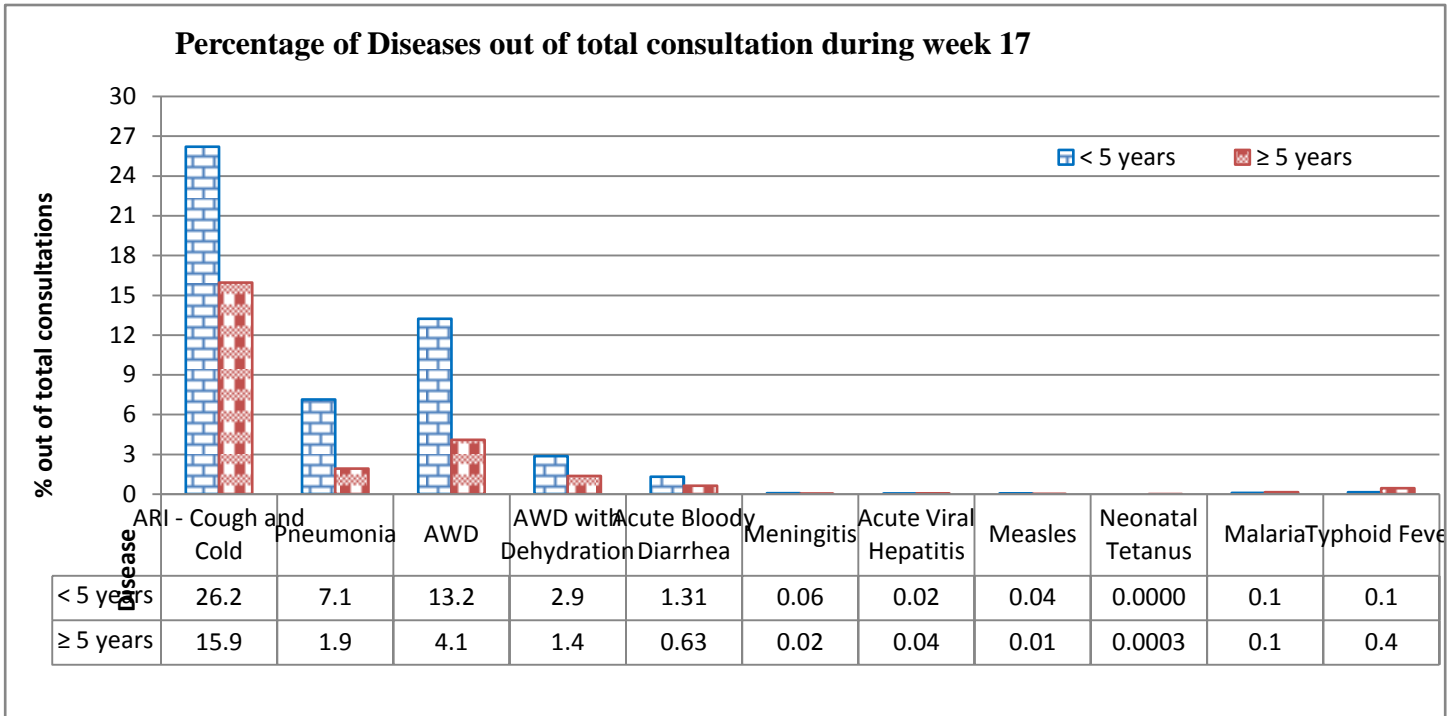
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Sub center	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	UN	1,676
HF covered by NDSR-Plus	32	77	452	1	50	13	25	650

Indicator – based Surveillance:

The Indicator-based surveillance component of NDSR reports 15 priority infectious and vaccine preventable 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

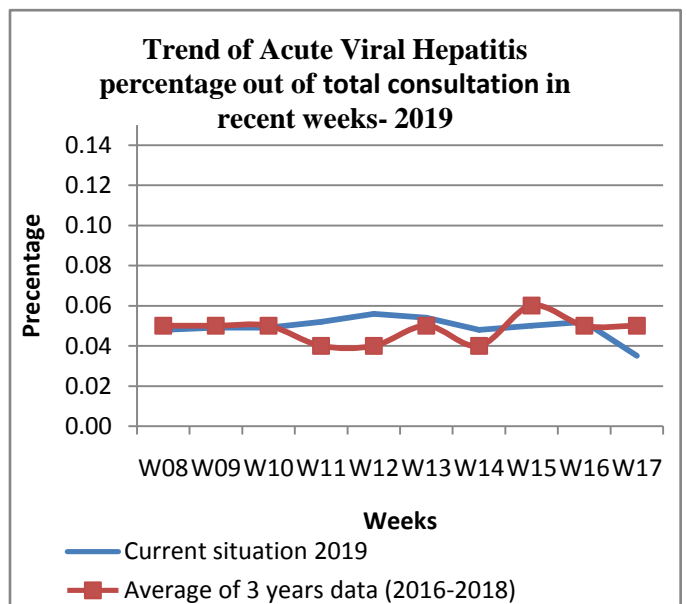
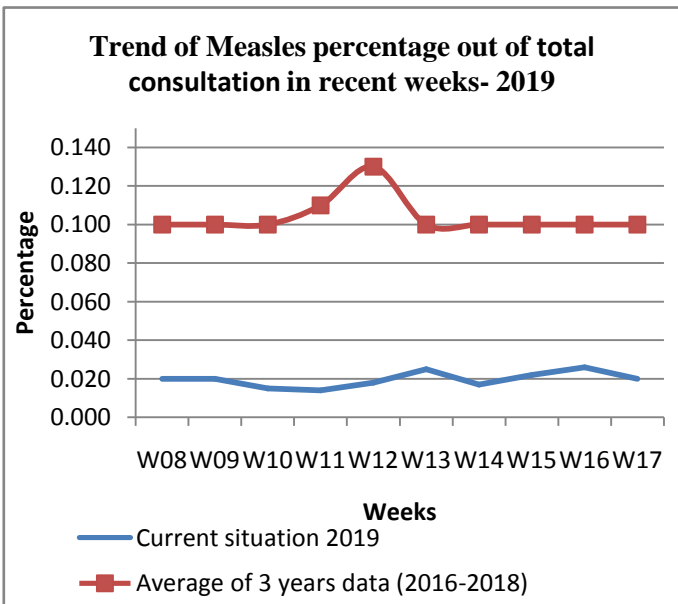
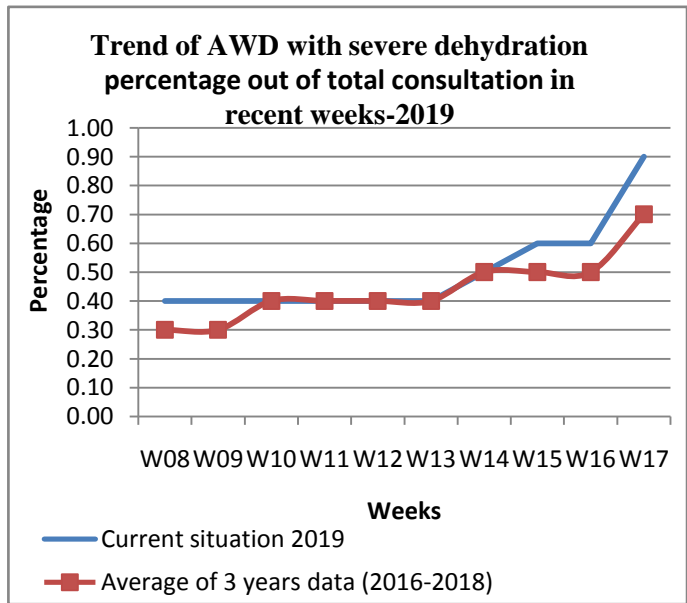
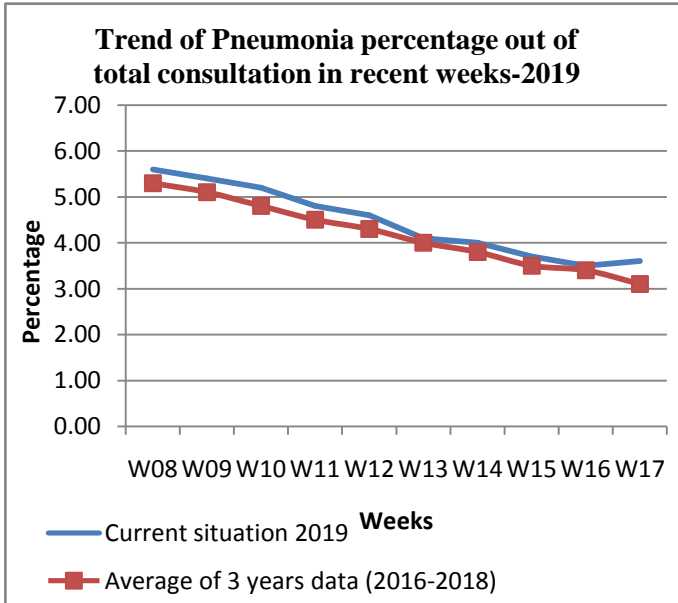


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 17th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	65	36	101	0	1	0	1.00
Pertussis	2	1	3	0	0	0	0.00
Tetanus	0	1	1	0	0	0	0.00

Seasonal Diseases:



During week 17th total of 07 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Suspected CCHF Outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
25 April 2019	Herat	City	Area 14 th	1	0	16 Y	Farmer	During this week five suspected CCHF cases were reported from Kabul, Faryab and Herat provinces, had probable contact with animals or the tissues of the animal, case management was done, health education sessions were conducted. Case Fatality rate for CCHF was 0% (per 100) in this week
26 April 2019	Herat	City	Area 6 th	1	0	20 Y	Butcher	
22 April 2019	Kabul	District 11	500 Family	1	0	40 Y	Butcher	
23 April 2019	Kabul	District 5	QalaTofan	1	0	33 Y	Worker	
25 April 2019	Faryab	District 4	Shahr	1	0	35 Y	Worker	
Dog bite/suspected Rabies Outbreaks								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
20 April 2019	Wardak	Sayed Abad	ShnezFatankhil	3	0	In this week two Dog bite/suspected Rabies outbreaks were reported from Wardak and Kabul, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well		
23 April 2019	Kabul	District 10	Wazir Akbar khan	7	0			

Figure 3: Outbreaks investigated during the week 17th, 2019

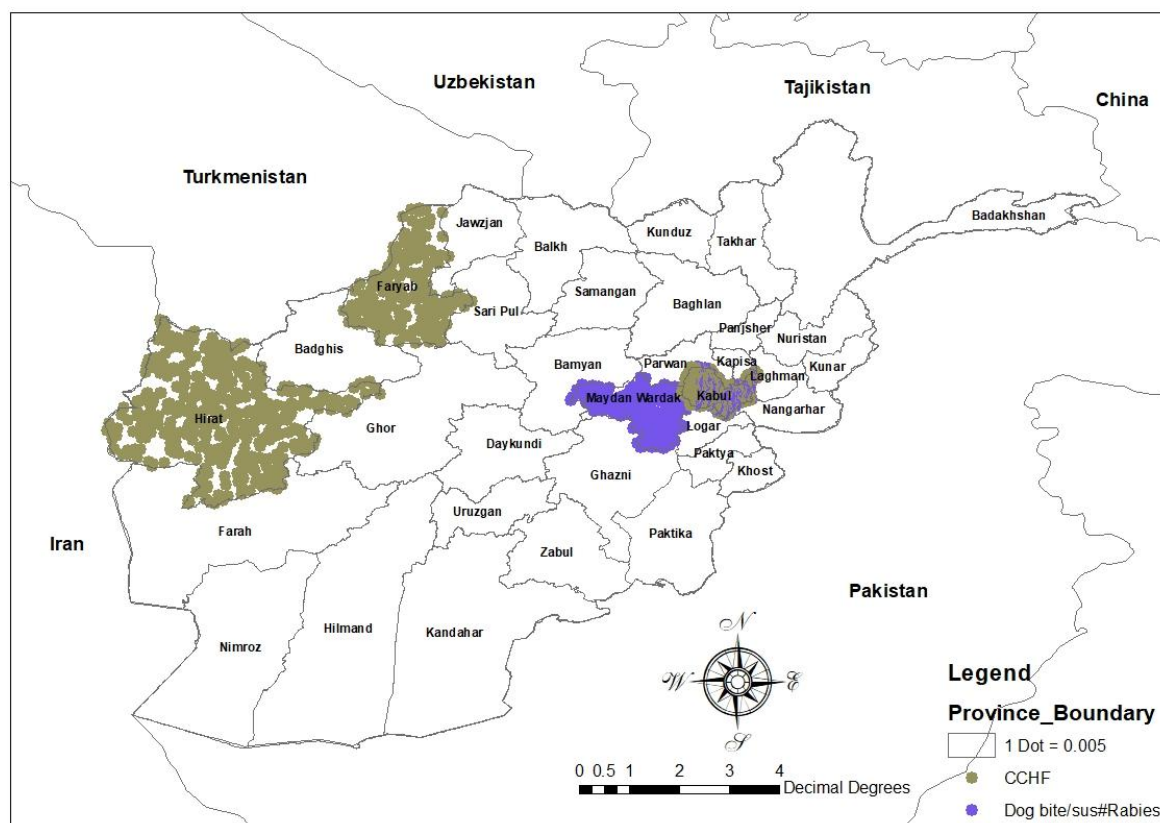


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 27 April 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	27	2	27	3
Measles	15	10	149	0
Dog bites/Suspected Rabies	9	2	57	1
Chickenpox	8	0	145	0
Scabies	6	0	279	0
Pertussis	3	0	33	0
Leishmaniasis	3	2	85	0
Coal Poisoning	2	0	8	2
Acute Viral Hepatitis	1	1	33	0
ARI	1	0	629	0
Unknown Hemorrhagic	1	0	9	1
Pneumonia	1	0	51	3
Diphtheria	1	0	1	0
Grand Total	78	17	1506	10

Laboratory surveillance:

In this week a total of 66 different specimens/samples were received by CPHL, all specimens are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 17, 2019, 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, 160(4.5%) Sever Acute Respiratory Infections cases were reported and 66% of them were among under 5 years old. The proportion of SARI cases was the same as week 16 2019. There was one SARI associated death reported in this week and was among under 2 years children.

In EPI week 17, our National Influenza Center (NIC) received 24 SARI and 35 ILI specimens from all 9 surveillance sites, the results are pending.

Recommendations:

The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern;

EPI: As the system detected 03 suspected pertussis and 01 tetanus cases, therefore further investigation should be conducted by EPI team.

Reproductive Health Department: In week 17, 04 pregnancy related death were reported which needs to be follow up by assign maternal death review committees.

This should be analyzed further in different levels and appropriate actions to be taken by the concerned departments