



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-21th

Date: 19 to 25 May 2019

Summary:

- Out of 651 functional Surveillance sentinel sites, 622(95.5%) have submitted reports this week.
- Out of a total 552,539 new consultations, 189,992(34.4%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 96,699 cases, 17.5% out of total new consultations and Pneumonia, 16,546 cases, 3% out of total new consultations) and Acute Diarrheal Diseases, 73,031 cases, 13.2% out of total new consultations.
- A total of 174 deaths were reported this week, of which 23 were due to Surveillance targeted diseases, which includes 16 Pneumonia deaths, 03 Pregnancy-related deaths reported from Herat RH and Sharan sentinel sites, 02 Meningitis deaths and 02 Acute Viral Hepatitis deaths.
- Total of 10 outbreaks reported this week; of which 06 were CCHF outbreaks reported from Herat, Kabul, and Balkh provinces, 02 Measles outbreaks reported from Laghman and Helmand provinces, one Acute Watery Diarrhea outbreak reported from Herat province and one Pertussis outbreak reported from Paktika province.

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

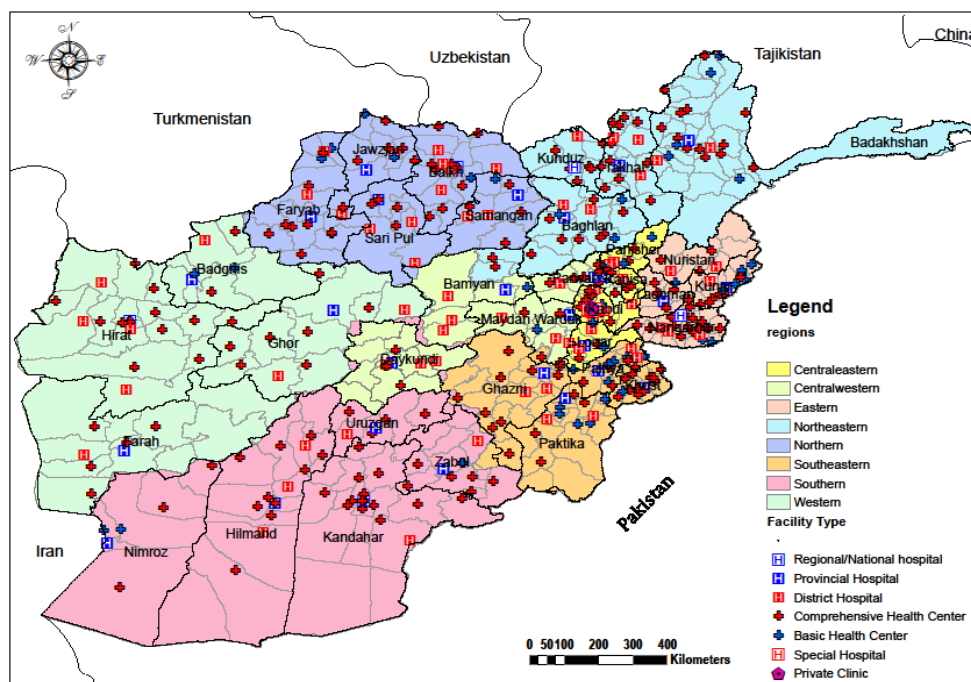


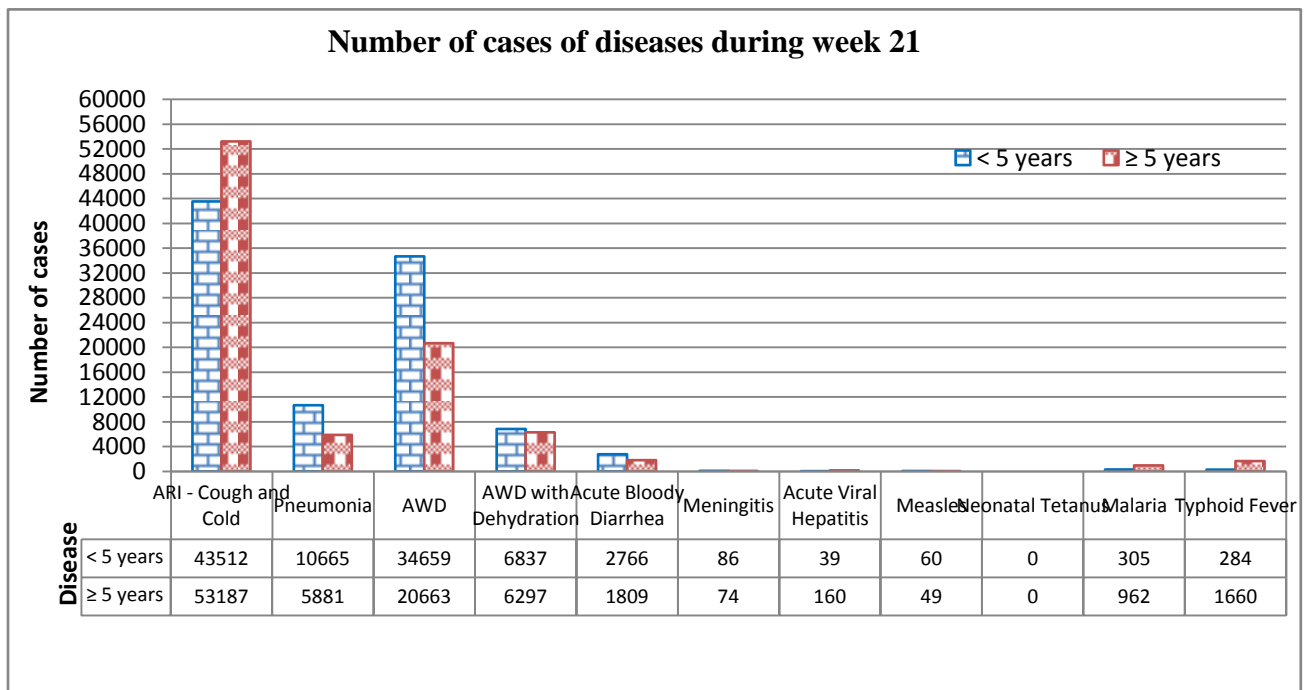
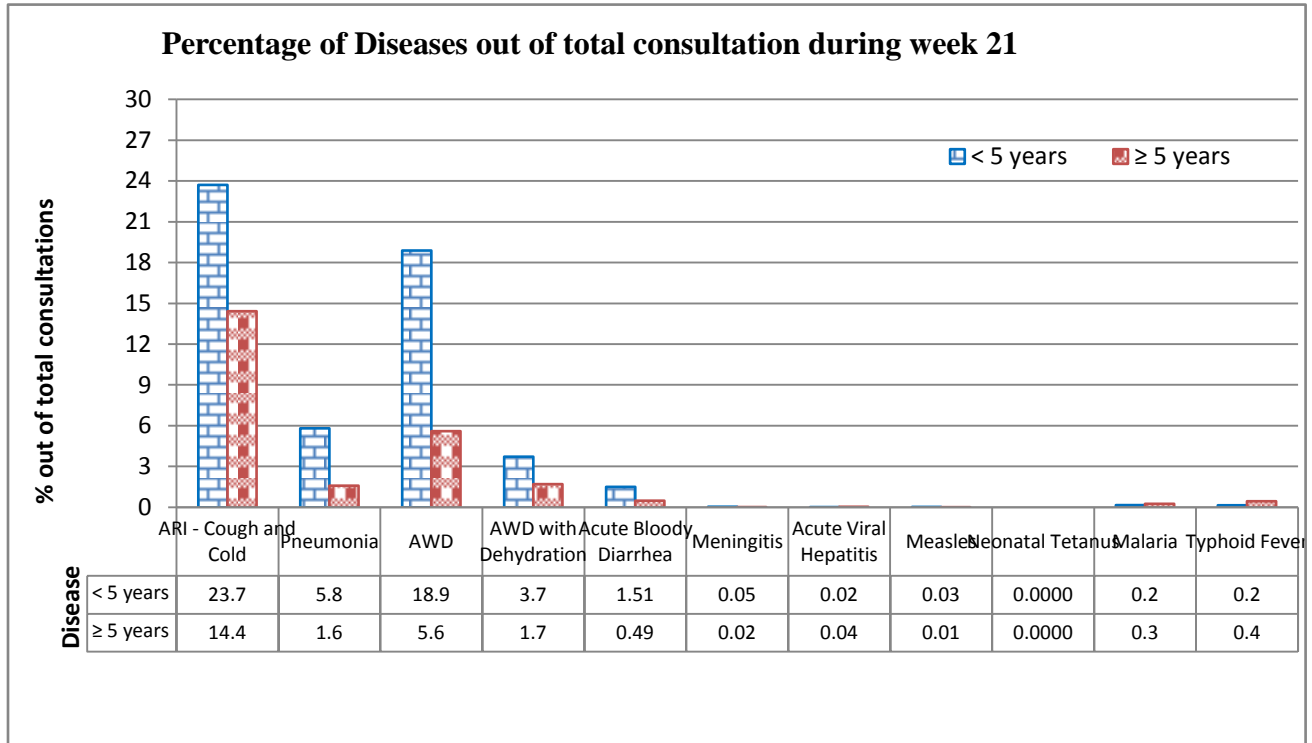
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Sub center	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	1017	1,676
HF covered by NDSR-Plus	32	77	453	1	50	13	25	651

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

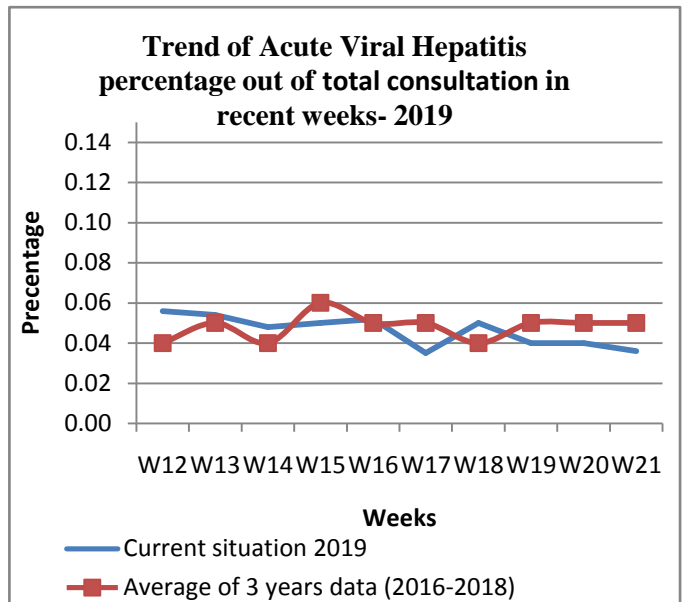
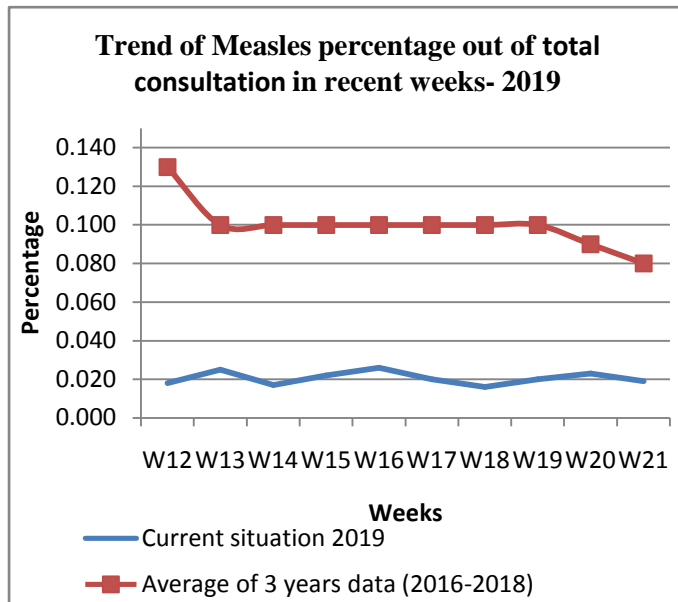
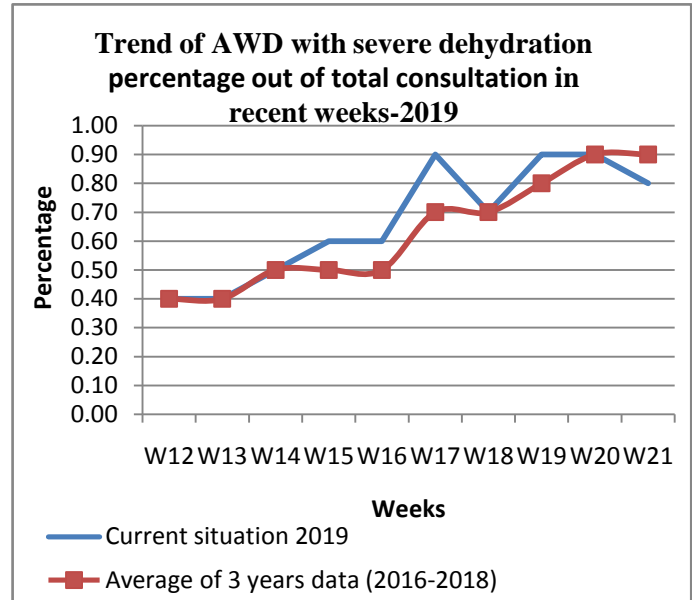
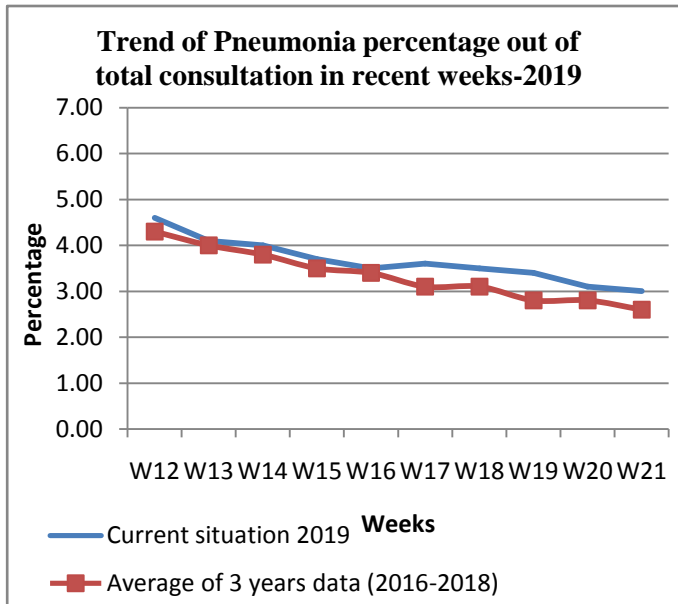


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 21th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	60	49	109	0	0	0	0.00
Pertussis	7	2	9	0	0	0	0.00

Seasonal Diseases:



During week 21th total of 10 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
20 May 2019	Balkh	Nahreshahi	Kamar band BabatKar	1	0	26 Y	Housewife	During this week 06 suspected CCHF cases were reported from Kabul, Herat, and Balkh provinces, had probable contact with animals or the tissues of the animal, case management was done, and health education sessions were conducted. Case Fatality rate for CCHF was 0% (per 100) in this week
20 May 2019	Kabul	District 13	Barchi	1	0	17 Y	Student	
21 May 2019	Hirat	Zarghon	4Borjak	1	0	32 Y	Housewife	
21 May 2019	Hirat	City	Kata Area 2nd	1	0	20 Y	Skin sealer	
24 May 2019	Hirat	Injil	Bozdan	1	0	17 Y	Student	
25 May 2019	Hirat	Injil	Kamizan	1	0	40 Y	Farmer	

Measles Outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
19 May 2019	Hilmand	Nadali	Barigul Bazar	6	4	9	0	Low	NA	In this week two Measles outbreaks were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education sessions were conducted as well.
20 May 2019	Laghman	Qarghaee	Karkana	5	1	6	0	low	NA	

Pertussis Outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
20 May 2019	Pakitika	Sharan	Srkala	7	2	9	0	low	NA	In this week one Pertussis outbreak was investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education session was conducted as well.

Acute Water Diarrhea outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
25 May 2019	Hirat	Gulran	Siakamarak	28	0	In this week Acute Watery Diarrhea outbreak reported from Herat province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well

Figure 3: Outbreaks investigated during the week 21th, 2019

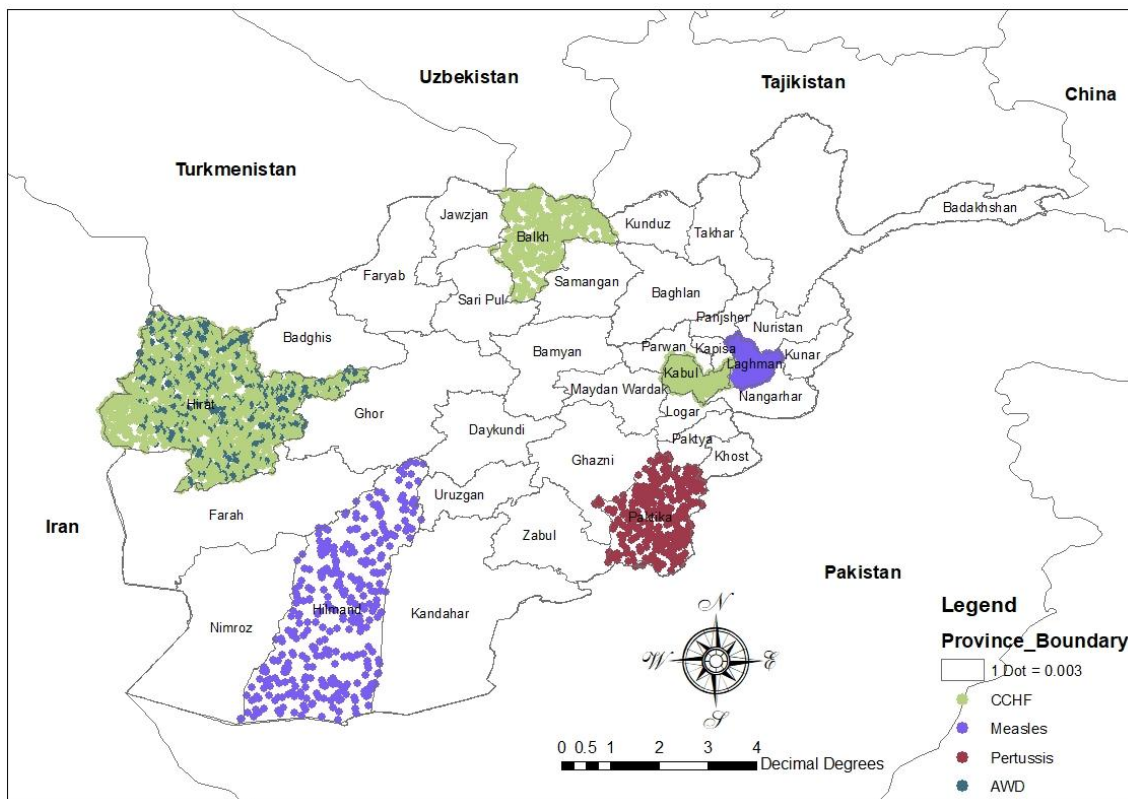


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 25 May 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	62	8	65	6
Measles	18	11	170	2
Dog bites/Suspected Rabies	13	2	61	2
Chickenpox	10	1	208	0
Scabies	7	0	320	0
Pertussis	5	0	46	0
Leishmaniasis	3	2	85	0

Food poisoning	2	0	65	0
Coal Poisoning	2	0	8	2
Typhoid Fever	1	0	72	0
Acute Viral Hepatitis	1	1	33	0
Pneumonia	1	0	51	3
Mumps	1	0	92	0
Unknown Hemorrhagic	1	0	9	2
Mass psychogenic Illness	1	0	12	0
Mushroom poisoning	1	0	9	0
Acute Watery Diarrhea	1	0	28	0
ARI	1	0	629	0
Diphtheria	1	0	1	0
Grand Total	132	25	1964	17

Laboratory surveillance:

In this week a total of 106 different specimens/samples were received by CPHL, out of which 13 specimens were positive for measles and 07 specimens were positive for Rubella while the rest are under process. (Follow up by the CPHL is going on). 3.9- 04

Influenza Surveillance activity

In epidemiologic week 21, 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, 133(3.9%) Sever Acute Respiratory Infections cases were reported and 50% of them were among under 5 years old. The proportion of SARI cases was slightly decreased compared to week 20 2019. Also there were 2 SARI associated deaths reported in this week.

In EPI-Week 21, our National Influenza Center (NIC) received 29 SARI and 20 ILI specimens from all 9 surveillance sites. No influenza virus was detected by our NIC in this week.

Recommendations:

- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- EPI: As the system detected 07 suspected pertussis cases, therefore further investigation should be conducted by EPI team.
- Reproductive Health Department: In week 21, 03 pregnancy related deaths were reported which needs to be follow up by assigned maternal death review committees.
- More coordination with the lab about the typhoid samples testing and culture for detection of MDR cases should be considered.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments