



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–20th

Date: 12 to 18 May 2019

Summary:

- Out of 651 functional Surveillance sentinel sites, 626(96.1%) have submitted reports this week.
- Out of a total of 596,678 new consultations, 195,287(34.3%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 101,290 cases, 17.8% out of total new consultations and Pneumonia, 17,692 cases, 3.1% out of total new consultations) and Acute Diarrheal Diseases, 72,490 cases, 12.7% out of total new consultations.
- A total of 233 deaths were reported this week, of which 53 were due to Surveillance targeted diseases, which includes 40 Pneumonia deaths, 09 Meningitis deaths, 02 Acute Watery Diarrhea with severe dehydration and 02 Pregnancy related deaths reported from Rabia Balkhi sentinel site.
- Total of 12 outbreaks reported this week; of which 10 were CCHF outbreaks reported from Kabul, Herat, Badakhshan, Khost, Parwan, Kapisa, Kandahar and Nangarhar provinces, one Dog bite/suspected Rabies outbreak reported from Panjshir province and one Chickenpox outbreak reported from Balkh province.

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

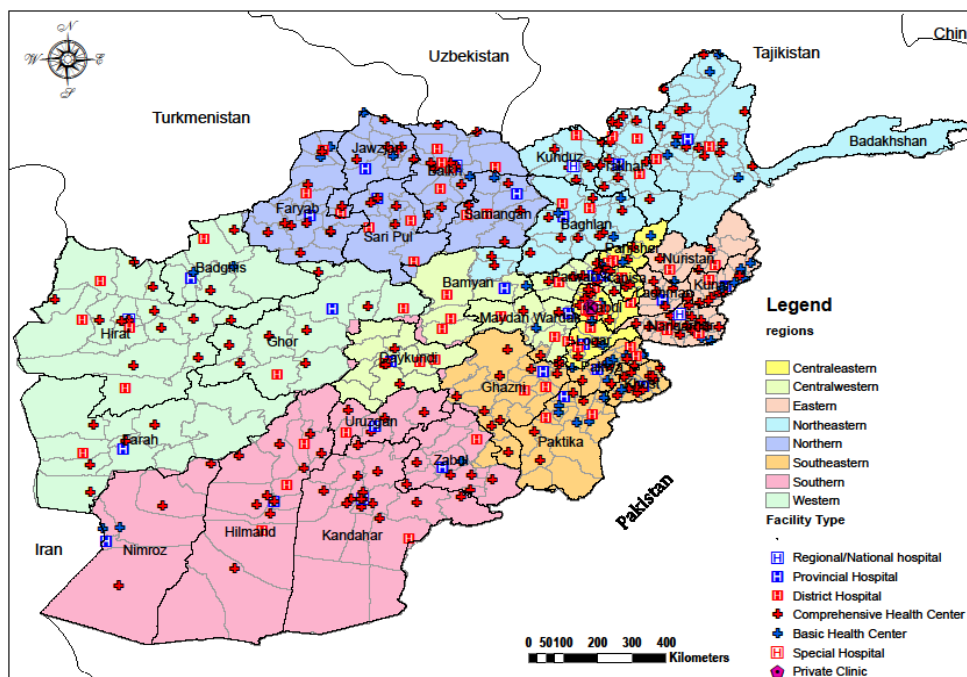


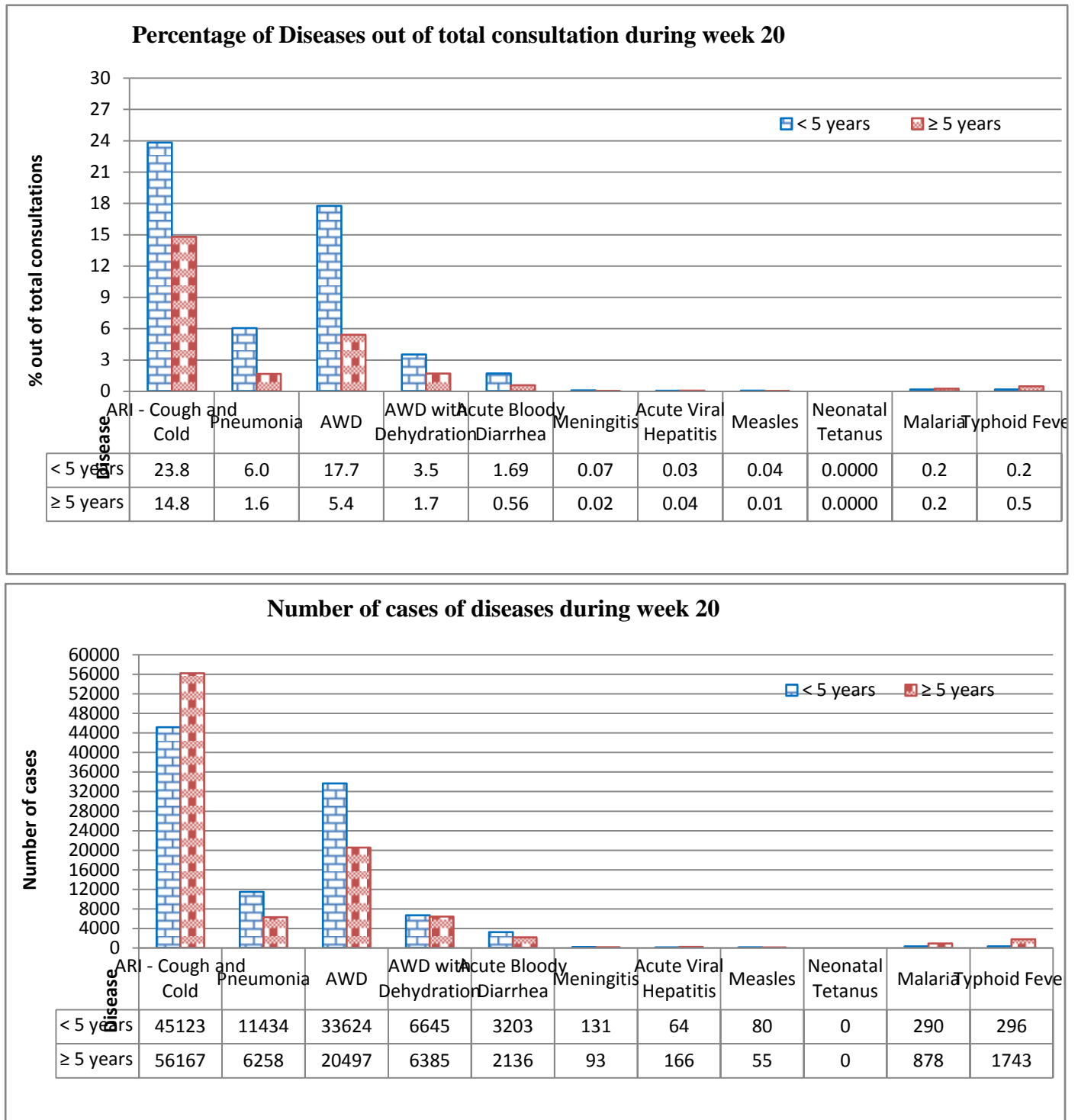
Table 1: Coverage of NDSR Surveillance System

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

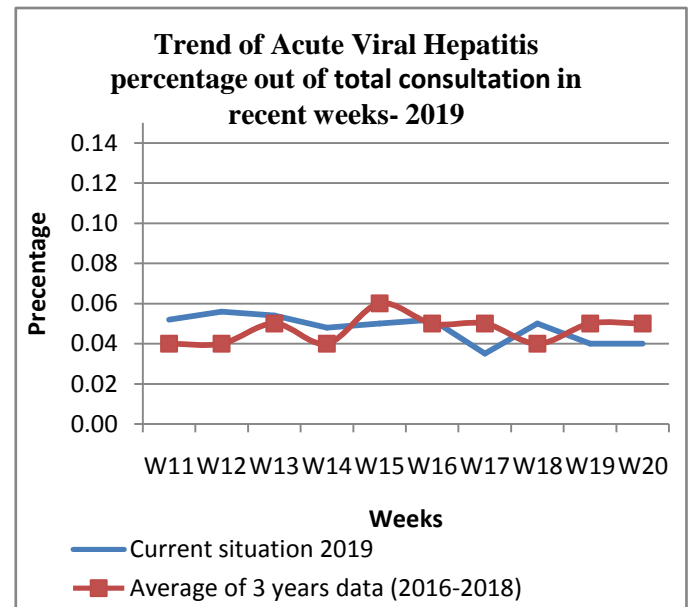
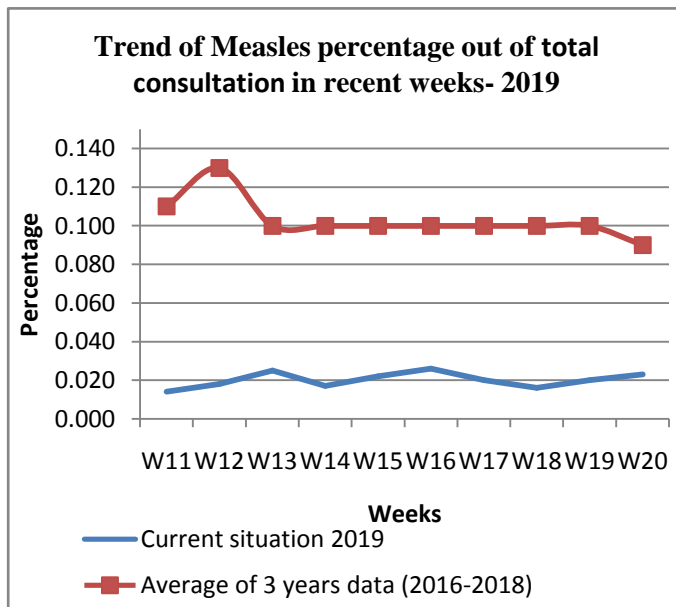
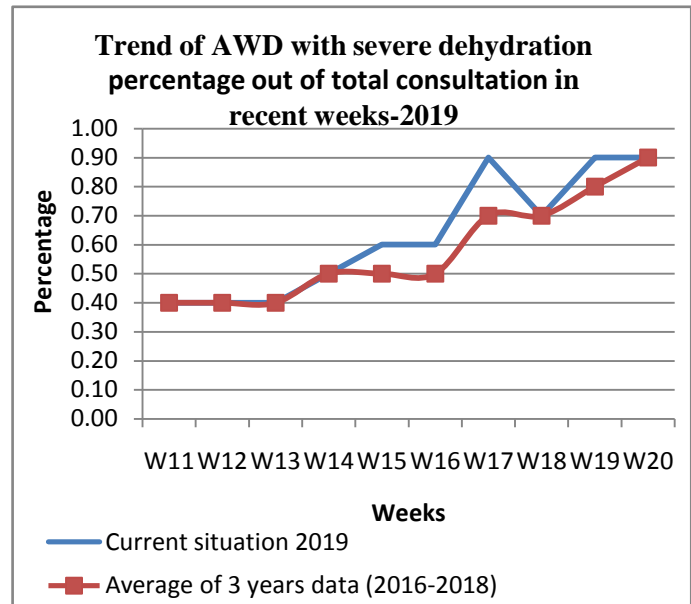
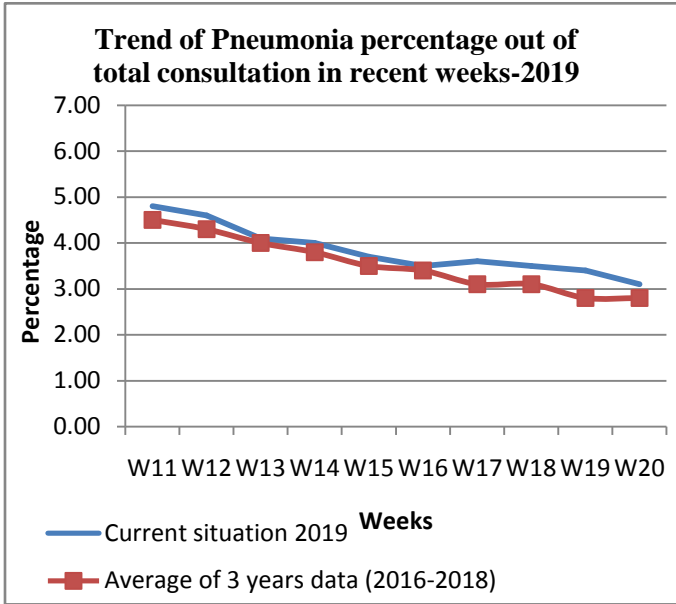


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 20th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	80	55	135	0	0	0	0.00

Seasonal Diseases:



During week 20th total of 12 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	
13 May 2019	Badakhshan	Drwaz	Mamai	1	0	45 Y	Farmer	During this week 10 suspected CCHF cases were reported from Kabul, Herat, Badakhshan, Khost, Parwan, Kapisa, Kandahar and Nangarhar 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	
14 May 2019	Khost	Oga	Abrasinjel	1	0	25 Y	Military		
13 May 2019	Kabul	Qarabagh	Zema	1	0	20 Y	Shepherd		
14 May 2019	Parwan	Charikar	Parchashash	1	0	23 Y	Butcher		
17 May 2019	Kapisa	Markaz	Qulak	1	0	19 Y	Shopkeeper		
18 May 2019	Parwan	Hofian	Ziarat	1	0	19 Y	Butcher		
18 May 2019	Kandahar	Center	Shahr	1	0	50 Y	Butcher		
13 May 2019	Nangarhar	Chaparhar	Trili	1	0	30 Y	Teacher		
11 May 2019	Hirat	Injil	Poron	1	0	33 Y	Animal dealer		
17 May 2019	Hirat	Injil	Now badam	1	0	40 Y	Housewife		
Dog bite/suspected Rabies Outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
18 May 2019	Panjshir	Rukha	Bakhshikhil Bala	1	1	In this week one Dog bite/suspected Rabies outbreak was reported from Panjshir province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well			
Chickenpox outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
14 May 2019	Balkh	Mazar city	Alichopan and Sajadia	16	0	In this week Chickenpox outbreak reported from Balkh 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 20th, 2019

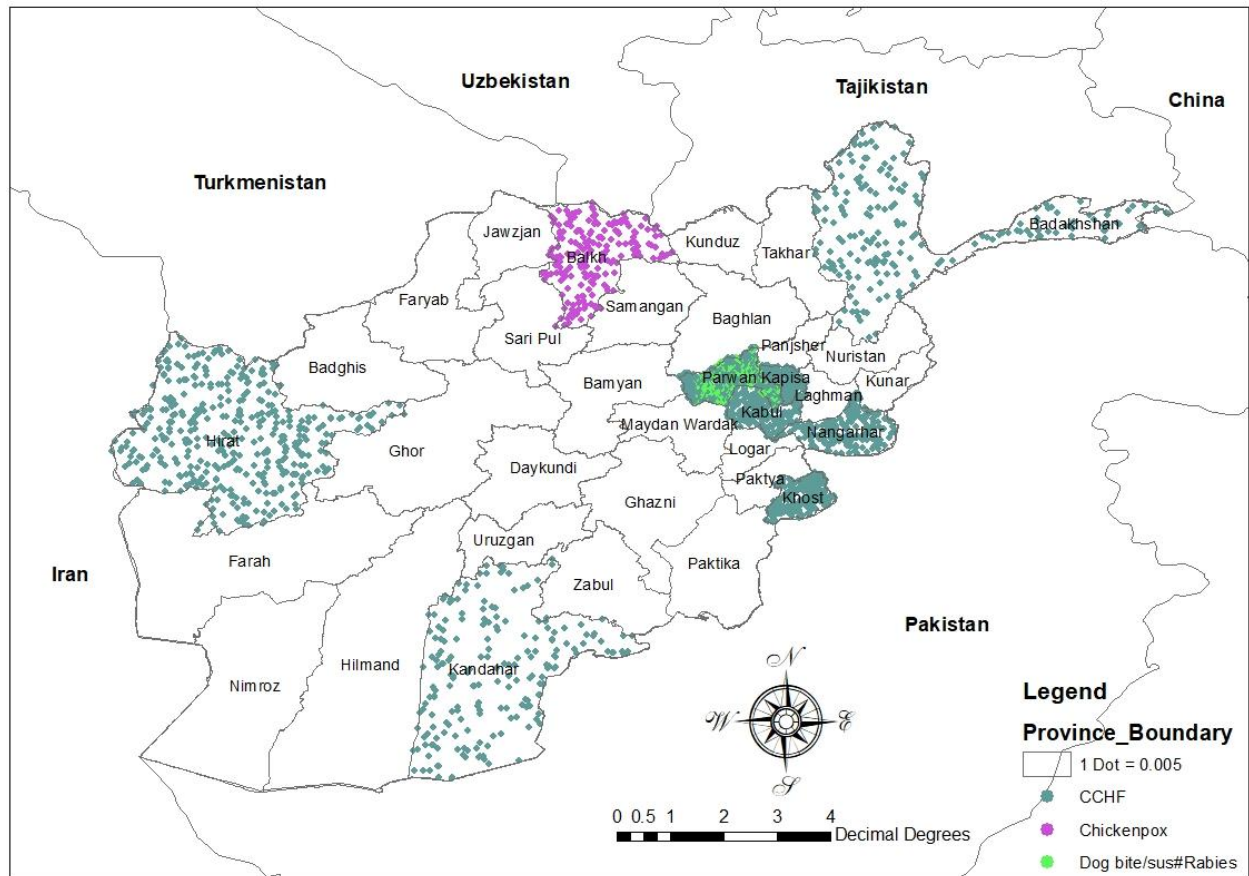


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 18 May 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	56	8	59	6
Measles	16	11	155	2
Dog bites/Suspected Rabies	13	2	61	2
Chickenpox	10	0	208	0
Scabies	7	0	320	0
Pertussis	4	0	37	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
Diphtheria	1	0	1	0
Mumps	1	0	92	0
Unknown Hemorrhagic	1	0	9	2
Mass psychogenic Illness	1	0	12	0

Mushroom poisoning	1	0	9	0
Pneumonia	1	0	51	3
ARI	1	0	629	0
Grand Total	122	24	1906	17

Laboratory surveillance:

In this week a total of 64 different specimens/samples were received by CPHL, out of which 04 specimens were positive for measles and 03 specimens were positive for CCHF while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 20, 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, 137(4%) Sever Acute Respiratory Infections cases were reported and 67% of them were among under 5 years old. The proportion of SARI cases was increased than week 19-2019. However, there were 3 SARI associated deaths reported in this week and all of them were among under 2 year children.

Recommendations:

- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- Reproductive Health Department: In week 20, 02 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