



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–16th

Date: 18 April to 24 April 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 477(93%) have submitted reports this week.
- A total of 45, 1261 new consultations, 169,207 (37.5%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 101,669 cases, 22.5% out of total new consultations, Pneumonia, 19,542 cases, 4.3% out of total new consultations and Acute Diarrheal Diseases, 45115 cases, 10% out of total new consultations.
- A total of 231 deaths were reported this week, of which 56 were due to Surveillance targeted diseases, which includes 35 Pneumonia deaths, 08 Measles deaths, 05 Meningitis deaths, 04 Acute Diarrheal Diseases deaths, also 04 Pregnancy-related deaths.
- A total of 08 outbreaks reported this week; of which 06 Measles outbreak reported from Logar, Urozgan, Nimroz, Nooristan, Badghis, and Jawzjan provinces, 01 CCHF case reported from Balkh province, and 01 suspected Rabies/Dog bite outbreak reported from Herat province, also 1187 COVID-19 confirmed cases reported countrywide.

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

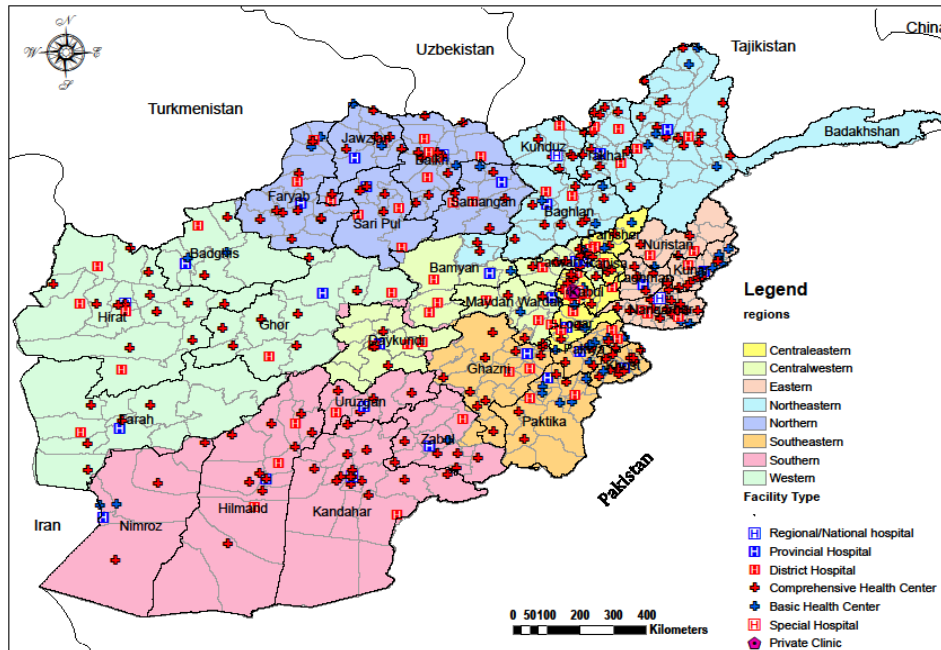


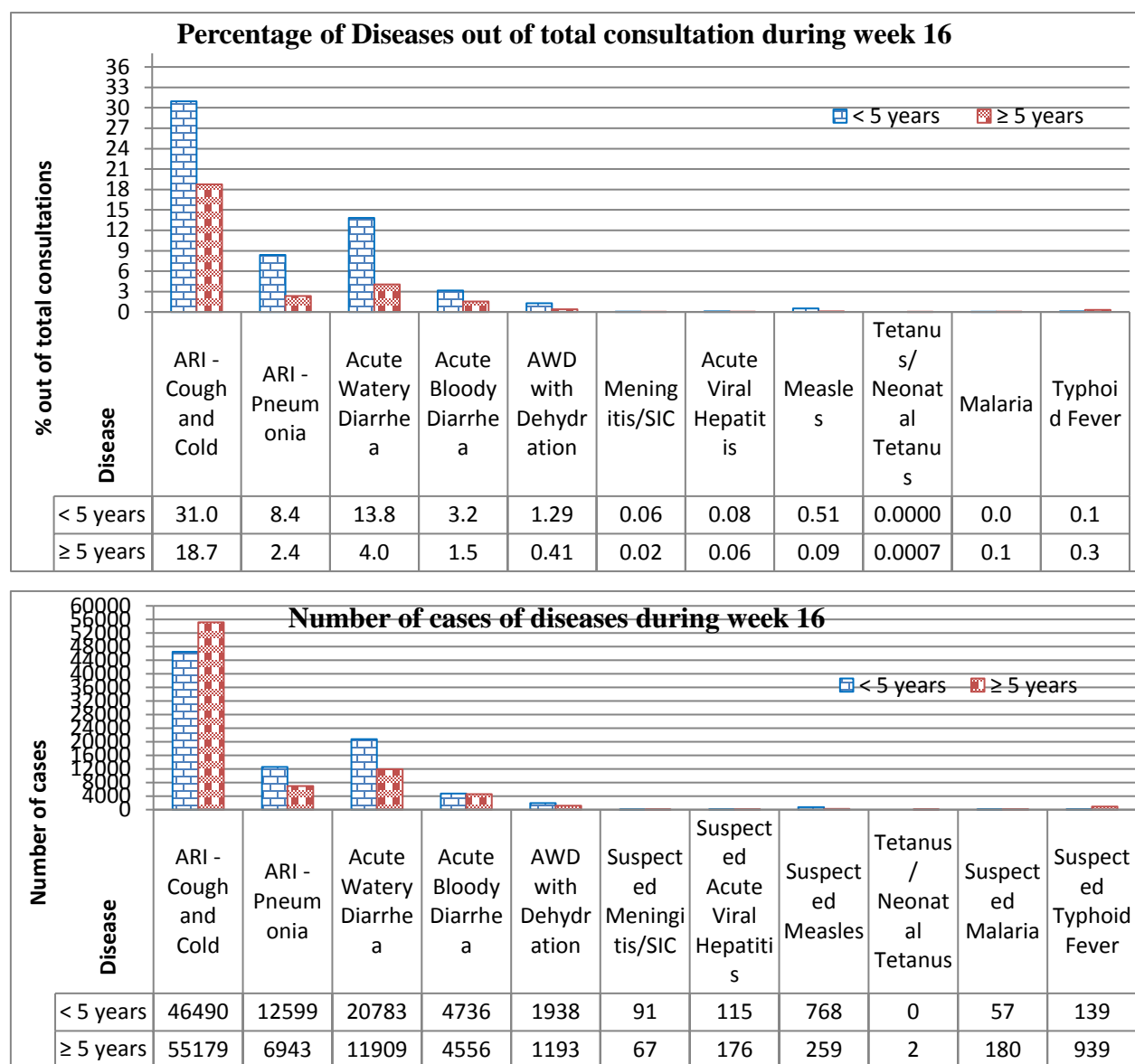
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	3,718
HF covered by NDSR-Plus	32	77	389	12	3	513

Indicator – based Surveillance:

The Indicator-based surveillance component of NDSR report 16 priority conditions/infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and the 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

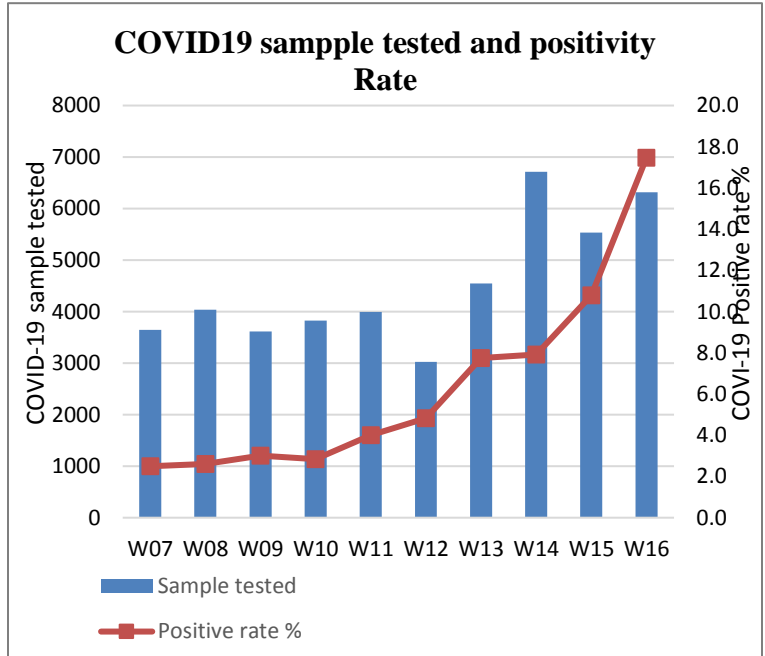
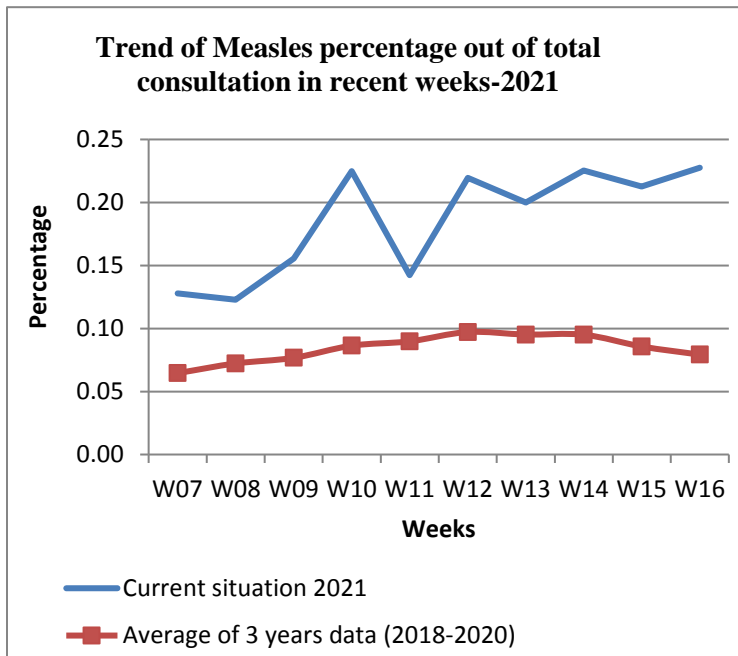
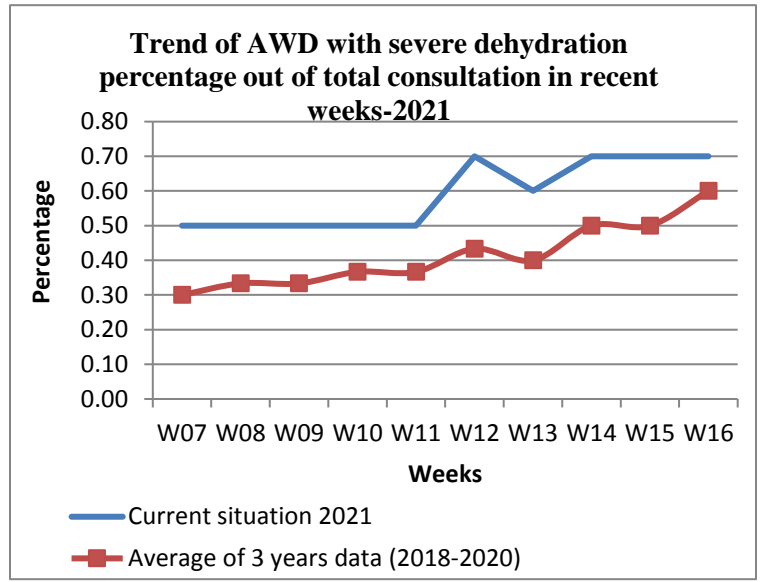
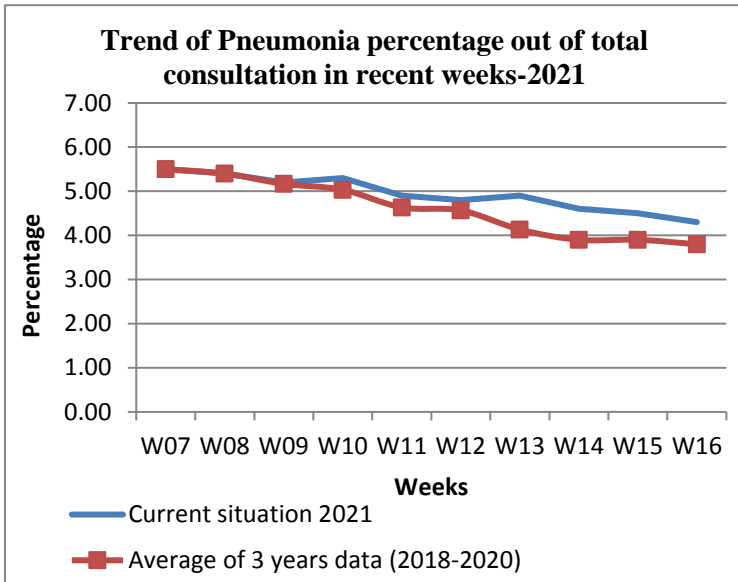


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 16th 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	768	259	1027	8	0	8	0.78
Suspected Pertussis	0	2	2	0	0	0	0.00

Seasonal Diseases:



During week 16th total of (08) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Dog bite/suspected Rabies Outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
18 April 2021	Herat	Shindand	Abkal	10	0	In this week one Suspected Rabies/ Dog bite outbreak was reported from Hirat province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.

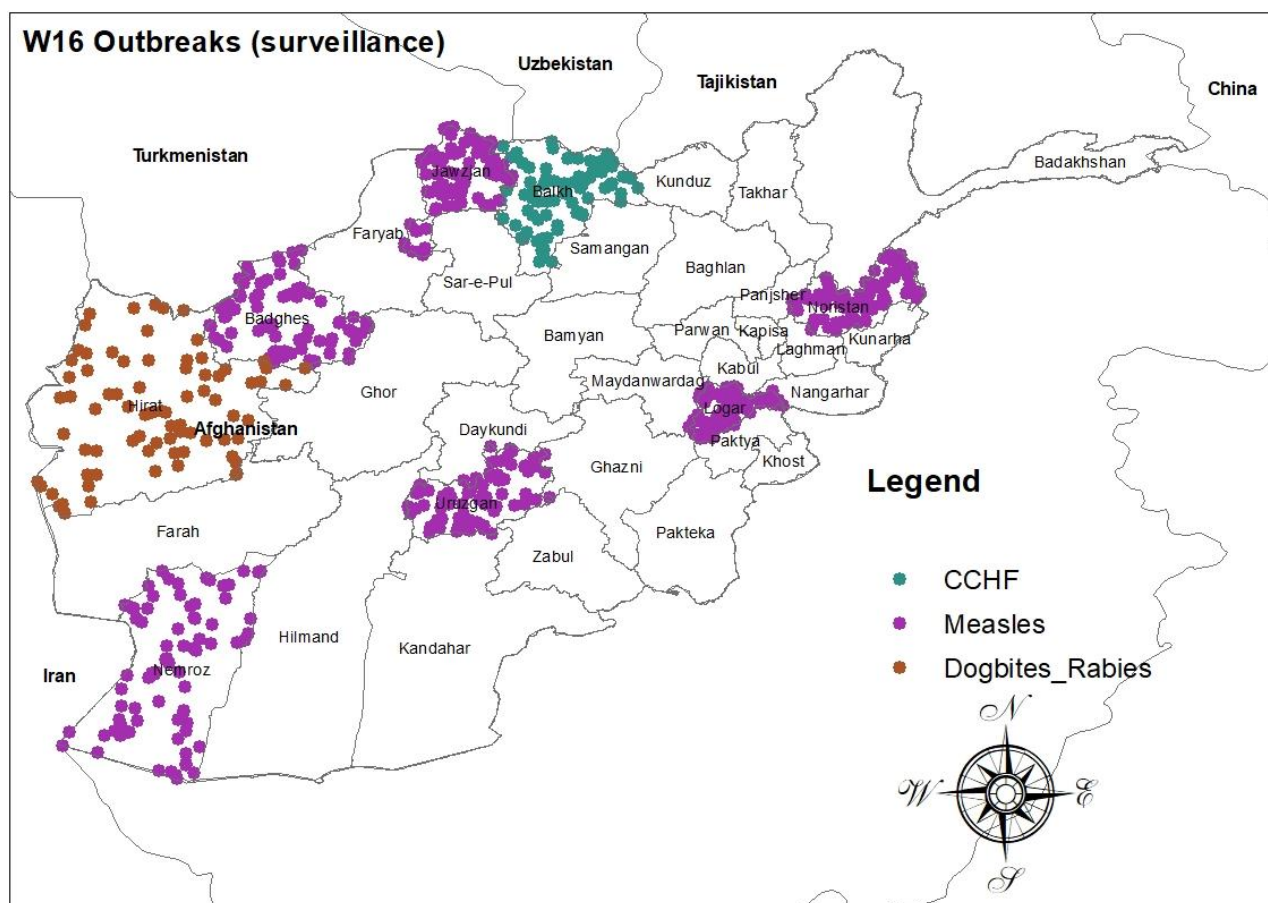
Suspected Measles Outbreaks

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Recommendation/Action take
19 April 2021	Logar	Barki barak	Dashte kala	10	8	23	0	20 %	In this week 06 Measles outbreaks were reported from <u>Logar, Nooristan, Urozgan, Nimroz, Badghis and Jawzjan</u> province. The cases 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.
19 April 2021	Urozgan	Chora	Kotal	9	4	14	0	30 %	
20 April 2021	Nimroz	Khashrud	Chamula	4	2	6	0	12 %	
20 April 2021	Nooristan	Bargimata 1	Aulagul	21	4	25	1	42 %	
14 April 2021	Badghis	Qadis	Kabulche h	21	0	21	0	Not reported	
20 April 2021	Jawzjan	Aqcha	Yandagh arigh	5	5	10	0	75 %	

Suspected CCHF Case

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
19 April 2021	Balkh	Mazar-e-sharif	Nahia 09	1	0	60 Y	Shepherded	During this week 01 suspected CCHF case was reported from <u>Balkh</u> province, the case had probable contact with infected animals or the tissues of the infected animals, case management was done, and health education session was conducted. No death was reported from CCHF in this week.

Figure 3: Outbreaks investigated during the week 16th, 2021 Table 2: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 24 April 2021)



Disease/Event	No. of outbreaks	No. of Lab_Confirm	No. of Cases	Sum of Total Deaths
Measles	78	0	834	23
CCHF	20	5	20	0
Dog bites/Suspected Rabies	8	0	49	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Pertussis	1	0	10	0
Tick bite	1	0	9	0
ARI	1	0	11	0
Acute Influenza	1	0	5	0
Unknown Poisoning	1	0	12	3
Gas (CO) Poisoning	1	0	18	0
COVID-19	1	1	59939	2631
Chickenpox	1	0	9	0
Grand Total	120	6	60993	2658

Laboratory surveillance:

A total of 12112 specimens were collected and shipped to CPHL and the regional and private labs. Out of which 1187 specimens were confirmed for COVID 19 in this week.

Influenza Surveillance activities:

In Epidemiological week 16th 2021, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admission, 183(6%) Severe Acute Respiratory Infections cases were reported and 72% of them were under 5 years old. The proportion of SARI cases were increased as compared to week 15th 2021. Two SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (28%), Kapisa (25%), Bamyan (13%). In this epidemiological week, our field staff collected and send 44 SARI and 34 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 12112 specimens were tested for suspected COVID-19. Out of which 1187 samples were confirmed for COVID-19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine.

Out of 3039 contacts of 794 positive cases which were mostly family members with an average of 4 Contacts per case, and will be continued till 14 days of their last contact with the cases.

Also, surveillance screening teams screened all passengers in the points of entry for fever, and health education was conducted for them, about 147,998 passengers have been screened for COVID-19 in the points of entry of eight provinces (Kandahar, Nangarhar, Kabul, Herat, Nimroz, Farah, Balkh and Khost provinces).

Total of 278 samples were confirmed for COVID-19 new variant in Kabul, Nangarhar, Paktia, Logar, Herat, Wardak, Baghlan, Balkh, Kunduz, Faryab, Ghazni, Kandahar, Bamyan, Takhar and Zabul provinces, from the said provinces around 81% of the COVID-19 samples were confirmed for the new variant, samples collection process from other provinces is going on.

Challenges:

- COVID-19 cases are in the increasing trend in most of the provinces of the country, also COVID-19 new variant has been detected in 15 provinces, and around 81% of the samples of the said 15 provinces were positive for the new variant, still we did not received samples from all the provinces to be tested for the new variant of COVID-19,
- Measles outbreaks and sporadic cases are in the increasing trend compared to last year
- Still more than 20% of the passengers coming from India have no the negative result of rtPCR test.

Recommendations:

- Sample collection for COVID-19 cases should be conducted in all the provinces and districts especially from the remote areas to present the real situation in all the provinces of the country
- COVID-19 early detection, contact tracing and home quarantine of the suspected cases should be strengthened especially in the high-risk provinces.
- All passengers coming to Afghanistan should have the negative rtPCR test result, especially from India and other high-risk countries.

- **EPI:** As the system detected 1126 suspected Measles cases, 09 deaths due to Measles and 02 suspected Pertussis cases, further prevention and control measures should be conducted by EPI team.
- Also, as in this week 06 suspected measles outbreaks were reported, EPI teams and the BPHS/EPHS implementer NGOs are requested to strengthen the preventive and control measures for Measles outbreaks and sporadic cases.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.