



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-18th

Date: 2 May to 8 May 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 463(90.3%) have submitted reports this week.
- A total of 420,316 new consultations, 156,372 (37.2%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 88,563 cases, 21.1 % out of total new consultations, Pneumonia, 16,586 cases, 3.9% out of total new consultations and Acute Diarrheal Diseases, 48,667 cases, 11.6% out of total new consultations.
- A total of 232 deaths were reported this week, of which 42 were due to Surveillance targeted diseases, which includes 28 Pneumonia deaths, 03 Measles deaths, 05 Meningitis deaths, 02 Acute Diarrheal Diseases deaths, 03 Pregnancy-related deaths and 01 Suspected Tetanus/ Neonatal Tetanus death.
- A total of 02 outbreaks reported this week; of which 01 food poisoning outbreak reported from Laghman province, and 01 CCHF case reported from Hirat province, also 1840 COVID-19 lab confirmed cases reported countrywide.

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

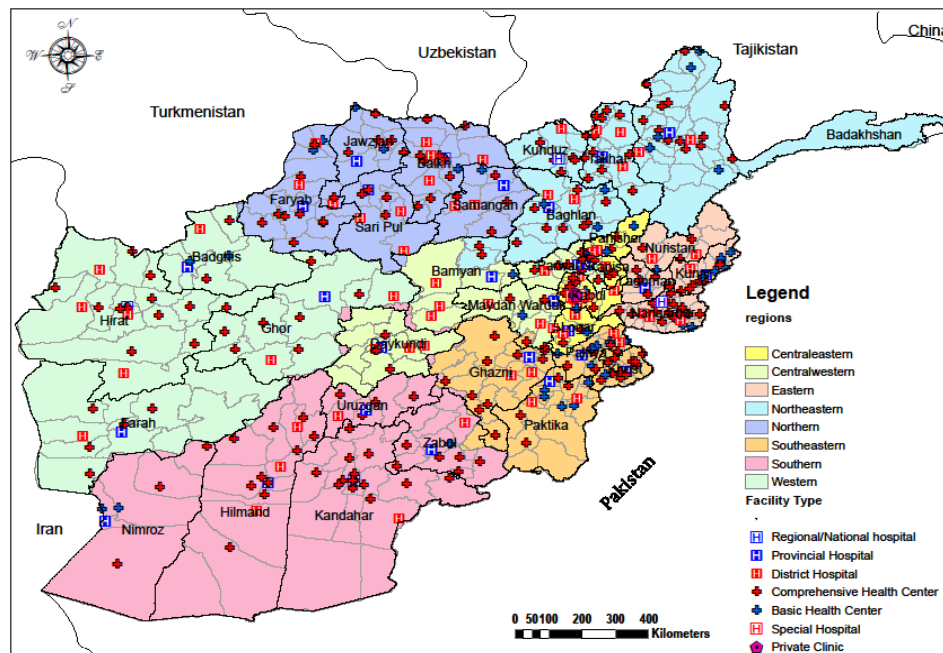


Table 1: Coverage of NDSR Surveillance System

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):

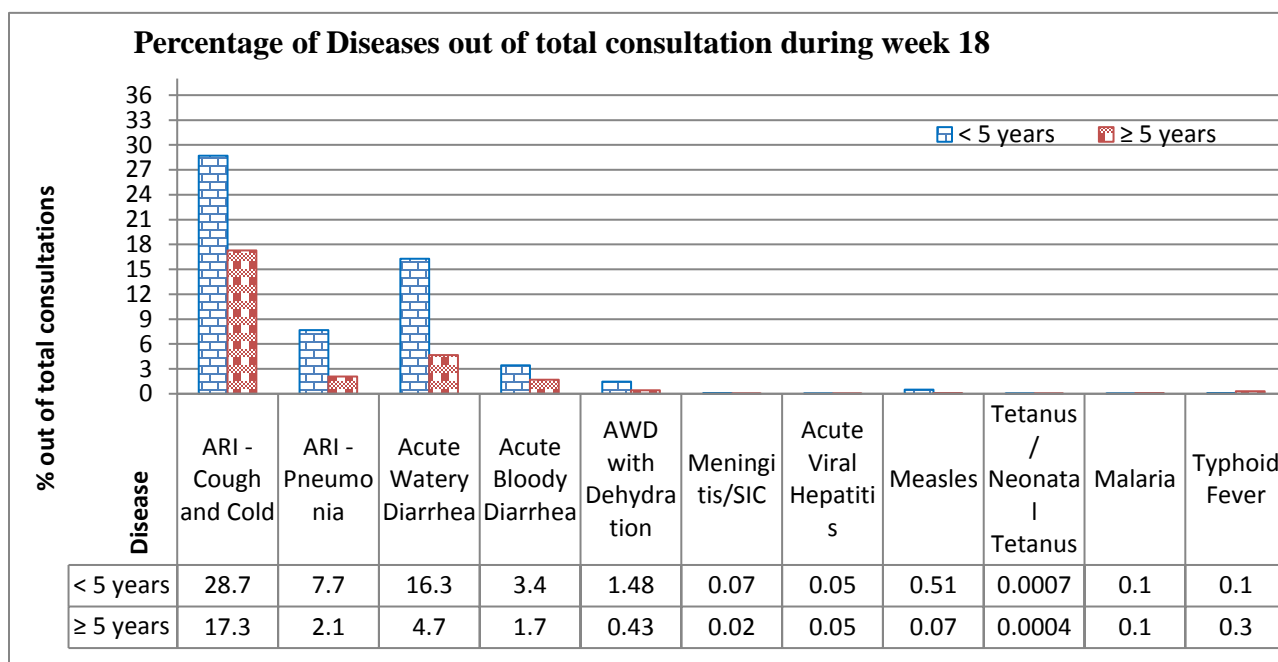
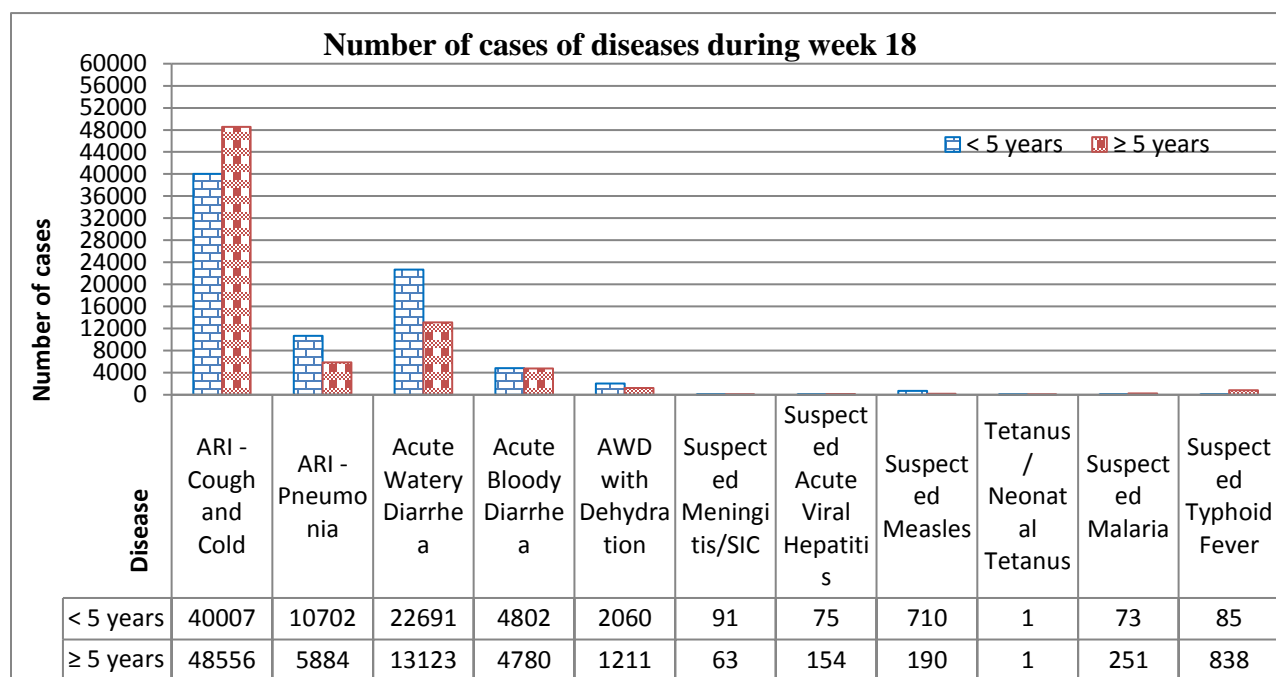
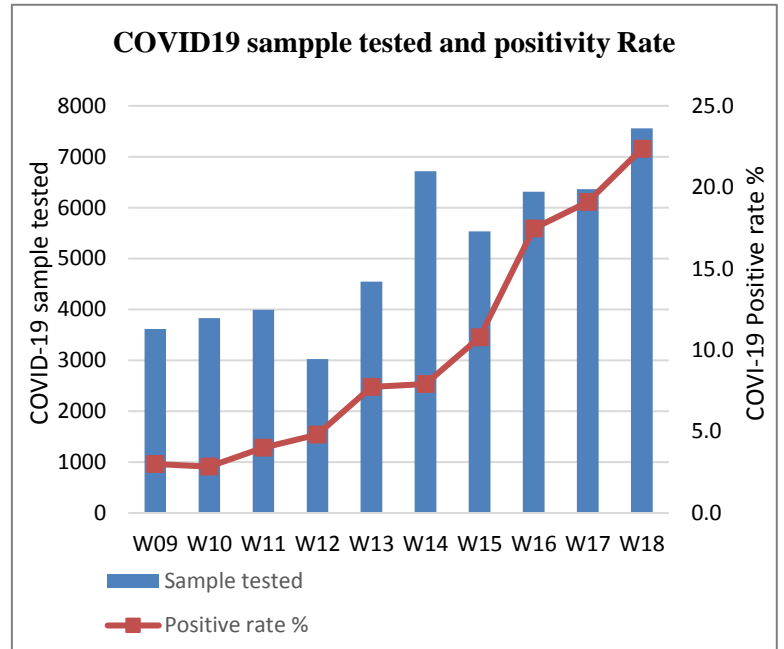
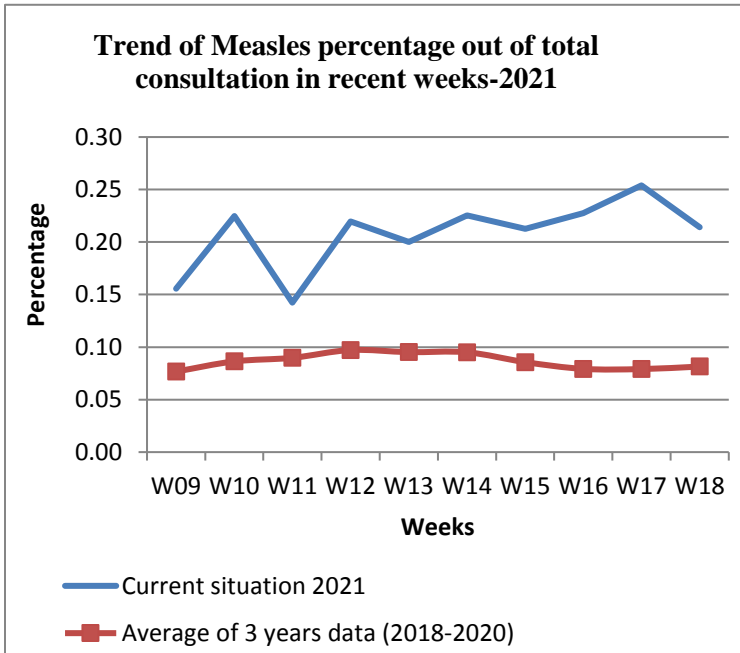
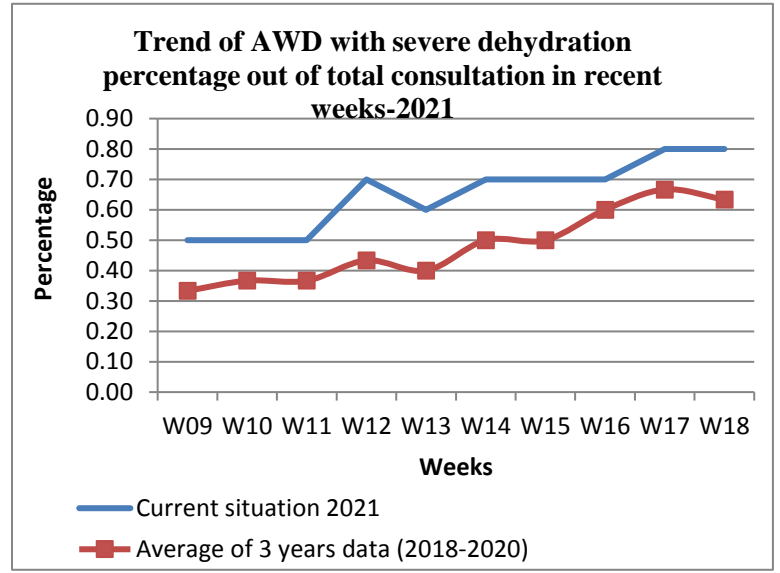
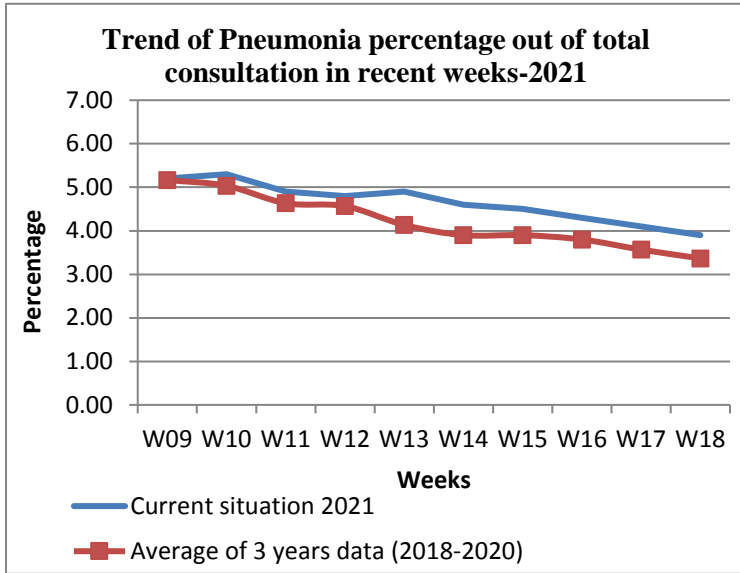


Table 2: Cases and deaths due to VPDs by age group during week 18th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	710	190	900	3	0	3	0.33
Suspected Pertussis	0	1	1	0	0	0	0.00
Tetanus/ Neonatal Tetanus	1	1	2	1	0	1	50.00



Seasonal Diseases:



During week 18th total of (02) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

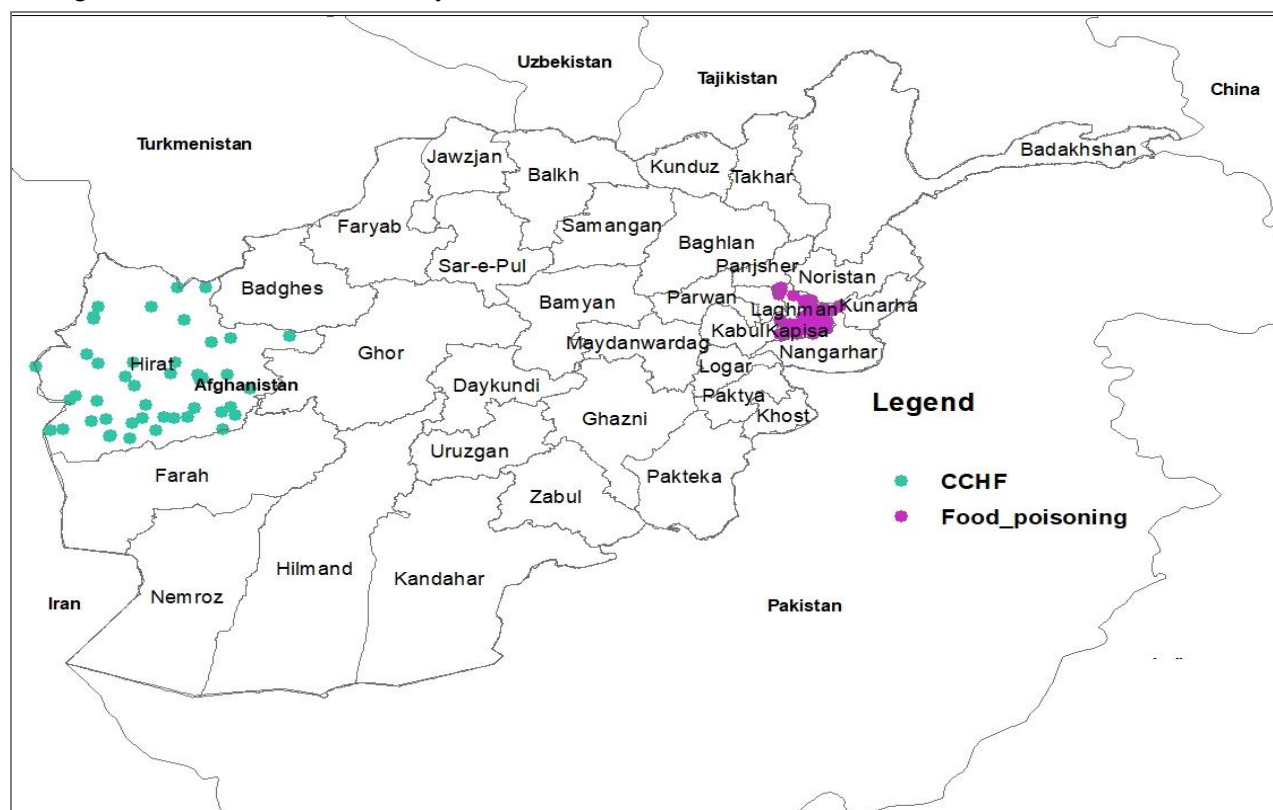
Suspected Food poisoning/ Outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
06 May 2021	Laghman	Qarghayi	Kakas	26	0	In this week one suspected food poisoning outbreak was reported from Laghman province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.

Suspected CCHF case

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
03 May 2021	Hirat	Chesht-e-Shareef	Asfarz	1	0	65	Farmer	During this week 01 suspected CCHF case was reported from <u>Herat</u> province, the case had probable contact with animals or the tissues of the infected animal, case management was done, and health education sessions was conducted. No death was reported from CCHF in this week

Figure 3: Outbreaks investigated during the week 18th, 2021 Table 2: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 08 May 2021)



Disease/Event	No. of outbreaks	No. of Lab_Confirm	No. of Cases	Sum of Total Deaths
Measles	80	0	851	23
CCHF	22	5	22	0
Dog bites/Suspected Rabies	8	0	49	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Tick bite	1	0	9	0
ARI	1	0	11	0
Pertussis	1	0	10	0
Unknown Poisoning	1	0	12	3
Acute Watery Diarrhea	1	0	88	0
Acute Influenza	1	0	5	0
Food poisoning	1	0	26	0
Gas (CO) Poisoning	1	0	18	0
COVID-19	1	1	63088	2725
Chickenpox	1	0	9	0
Grand Total	126	6	64275	2752

Laboratory surveillance:

A total of 13890 specimens were collected and shipped to CPHL and regional and private labs. Out of which 1840 specimens were confirmed for COVID-19 in this week

Influenza Surveillance activities:

In Epidemiological week 18th 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, 169 (5%) Severe Acute Respiratory Infections cases were reported and 70% of them were under 5 years old. The proportion of SARI cases was decreased as compared to week 17th 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 Kapisa (25%), Kabul (24%), Bamyan (15%). In this epidemiological week, our field staff send 43 SARI and 30 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 13890 specimens were tested for suspected COVID-19. Out of which 1840 samples were confirmed for COVID 19 by PCR. The cases have been managed either in the isolation wards or in-home quarantine.

Out of 4279 contacts of 1075 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 the passengers in the points of entry for fever, and health education was conducted for them, about 64,998 passengers have been screened for COVID-19 in the point of entry of Nine provinces (Kandahar, Nangarhar, Kabul, Ghor, Herat, Nimroz, Farah, Balkh and Khost provinces).

Around 67% of the COVID-19 samples were confirmed for the UK variant from 18 provinces, samples collection process from other provinces is going on.

Challenges:

- COVID-19 cases are in the increasing trend in most of the provinces (39% more cases are reported compared to last week), in east region we are near to the peak, also COVID-19 UK variant has been detected in 18 provinces of the country.
- Measles outbreaks and sporadic cases are in the increasing trend compared to last year.
- Inadequate lab sample collection for COVID-19 cases from the remote areas and districts, as majority of the samples are collected from the cities, this issue unable the surveillance system to present the real situation

Recommendations:

- COVID-19 lab samples should be collected from all districts (all PHs, DHs and district centers should collect the lab samples).

- Contact tracing and screening process should be strengthened, from all suspected COVID-19 cases which have the travel history outside the country, lab samples should be collected and home quarantine should be recommended up to sharing the lab result.
- Extra staff for COVID-19 surveillance activities should be hired for (screening process, contact tracing and data entry).
- **EPI:** As the system detected 900 suspected Measles cases, 03 deaths due to Measles and 02 Neonatal tetanus cases and one death due to Neonatal tetanus, further prevention and control measures should be conducted by EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.