



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–17th

Date: 25 April to 1 May 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 477(93%) have submitted reports this week.
- A total of 428,001 new consultations, 162,280 (37.9%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 94,780 cases, 22 % out of total new consultations, Pneumonia, 17,668 cases, 4.1% out of total new consultations and Acute Diarrheal Diseases, 47,028 cases, 11% out of total new consultations.
- A total of 229 deaths were reported this week, of which 52 were due to Surveillance targeted diseases, which includes 41 Pneumonia deaths, 01 Measles death, 01 Meningitis death, 03 Acute Diarrheal Diseases deaths, 03 Pregnancy-related deaths and 03 Suspected Acute Hepatitis deaths.
- A total of 04 outbreaks reported this week; of which 02 Measles outbreaks reported from Zabul and Ghor provinces, 01 AWD outbreak reported from Kandahar province, and 01 CCHF case reported from Hirat province, also 1338 COVID-19 confirmed cases reported countrywide.

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

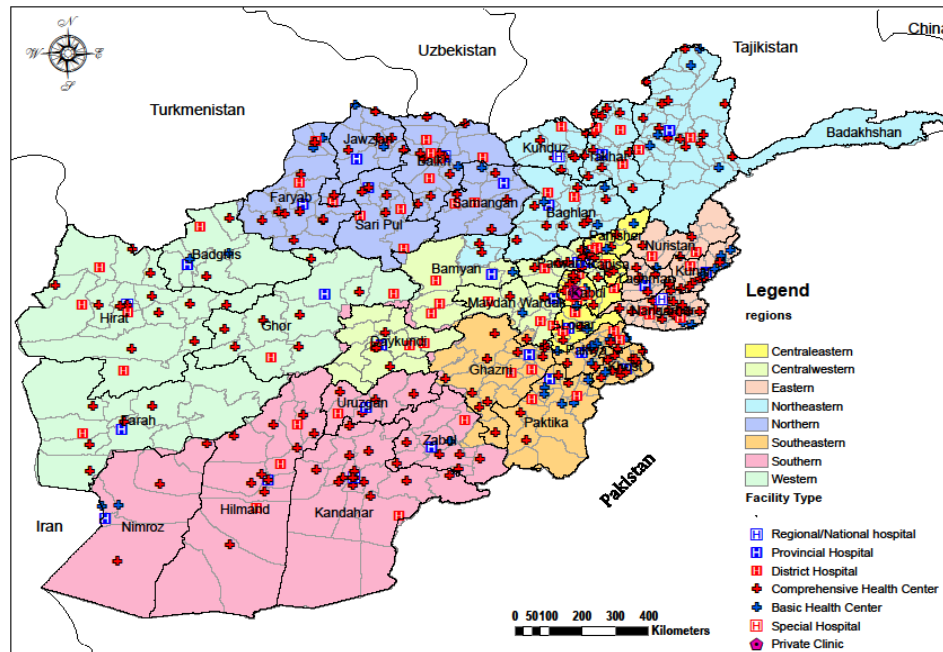


Table 1: Coverage of NDSR Surveillance System

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
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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):

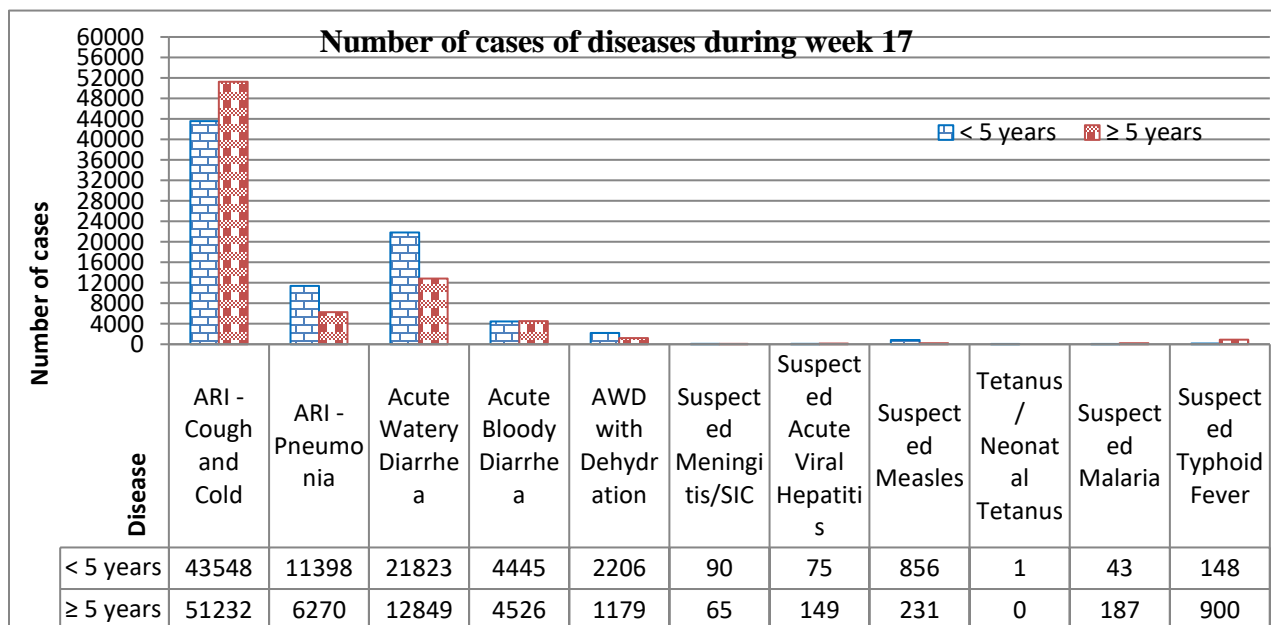
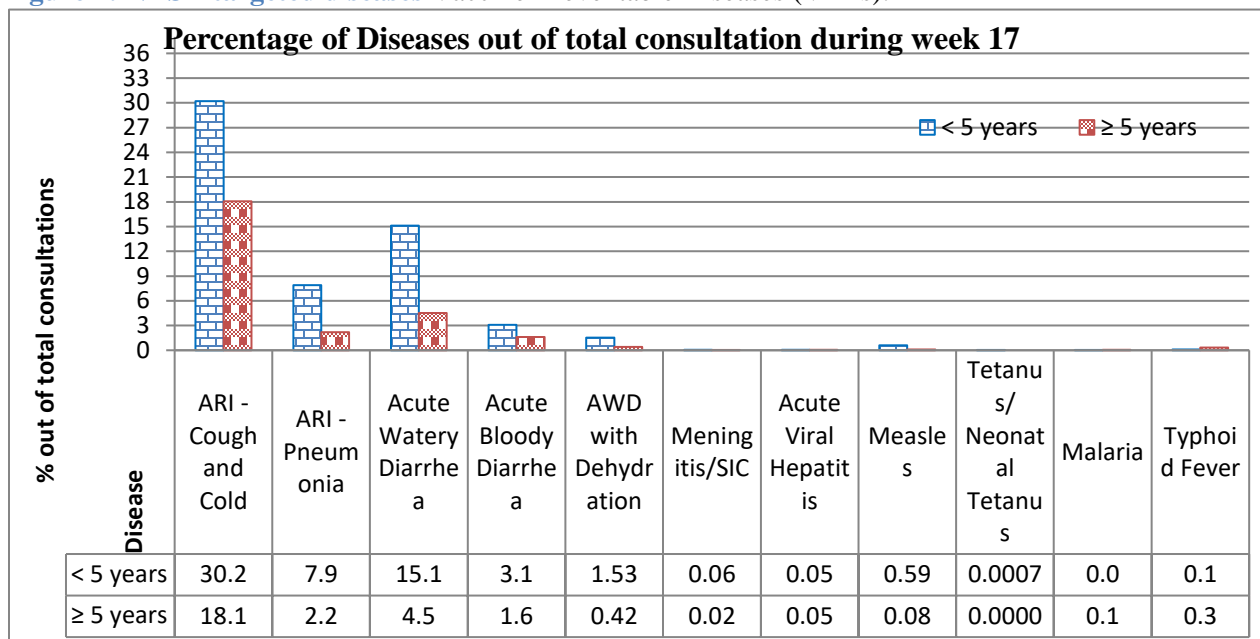
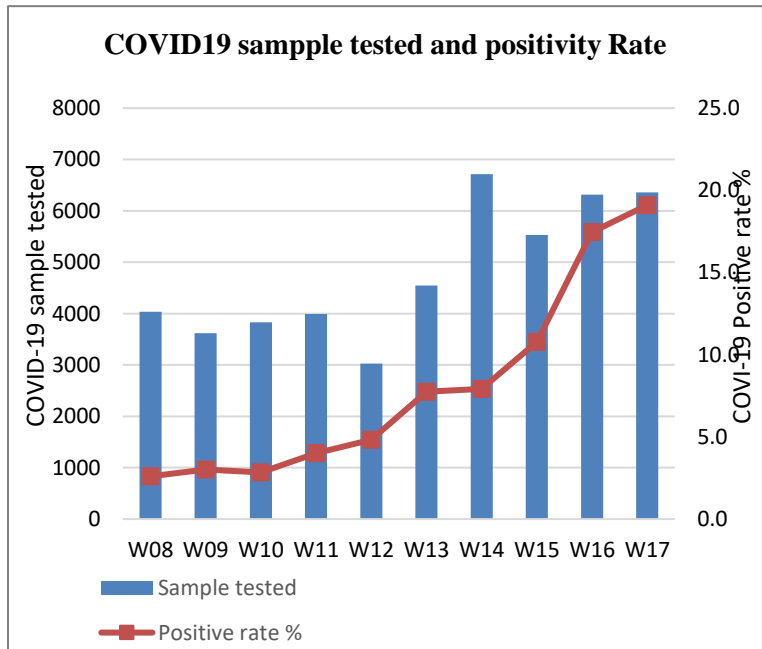
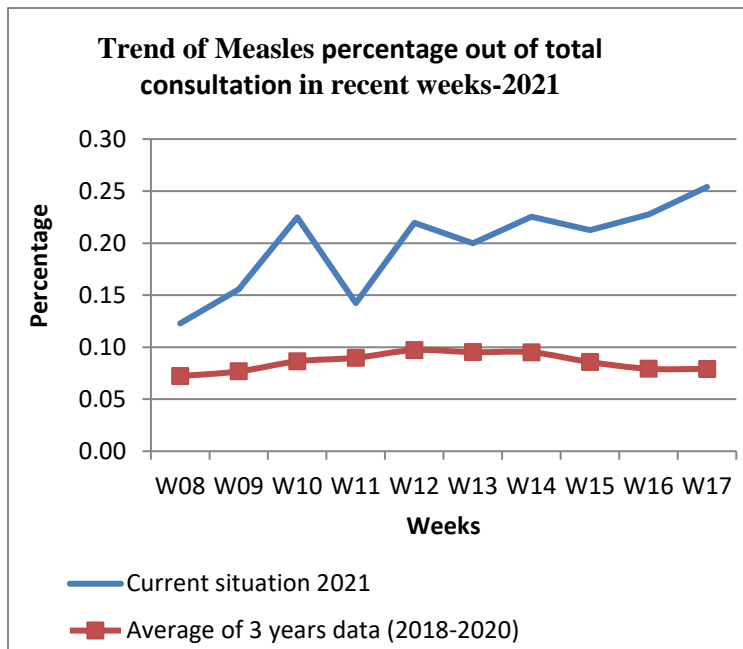
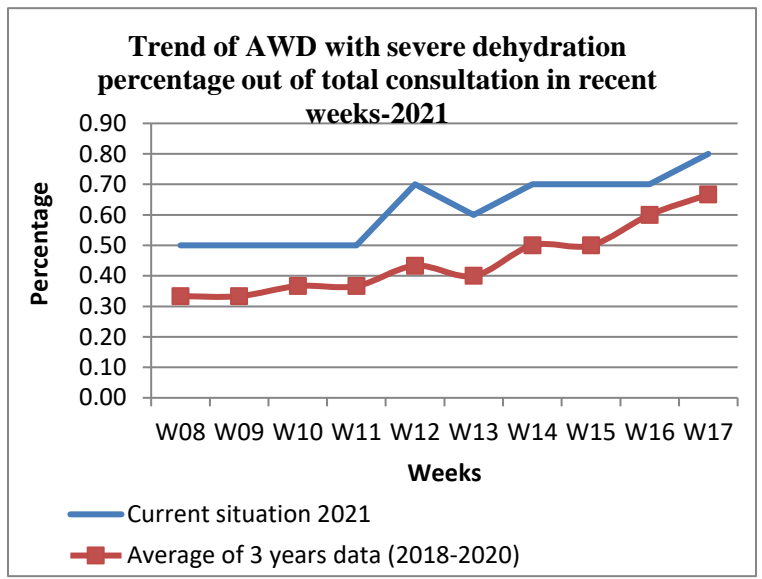
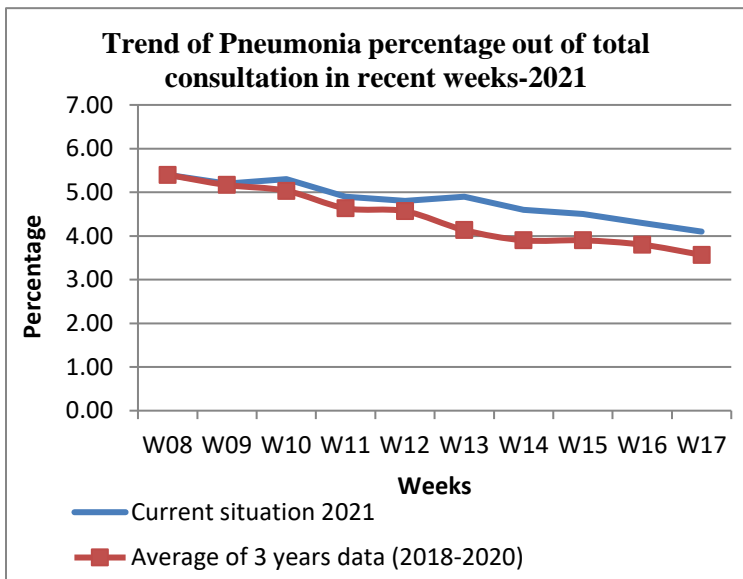


Table 2: Cases and deaths due to VPDs by age group during week 17th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	856	231	1087	0	1	1	0.09
Suspected Pertussis	1	1	2	0	0	0	0.00
Tetanus/ Neonatal Tetanus	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 17th total of (04) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Suspected AWD/ Outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
28 April 2021	Kandahar	Dand	Jamal Nika ziarat	88	0	In this week one suspected AWD outbreak was reported from Kandahar province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.

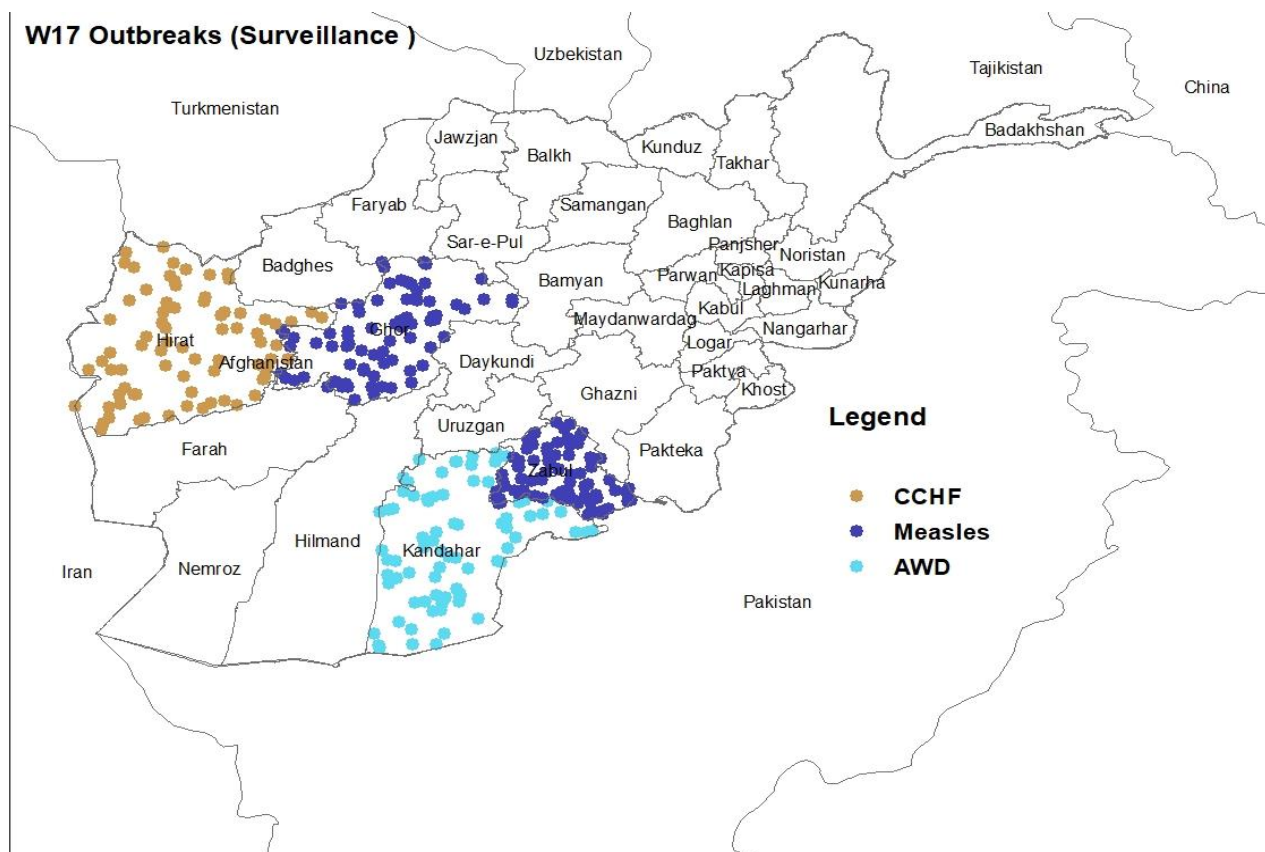
Suspected Measles Outbreaks

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Recommendation/Action take
24 April 2021	Zabul	Qalat	Shayesta Pomp	10	0	10	0	21 %	In this week 02 Measles outbreaks were reported from <u>Zabul and Ghor</u> provinces. 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.
25 April 2021	Ghor	Firoz koh	Area 1 st	7	0	7	0	65 %	

Suspected CCHF case

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
26 April	Herat	Zanda Jan	Zanda Jan	1	0	12 Y	Student	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 17th, 2021 Table 2: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 01 May 2021)



Disease/Event	No. of outbreaks	No. of Lab_Confrm	No. of Cases	Sum of Total Deaths
Measles	80	0	851	23
CCHF	21	5	21	0
Dog bites/Suspected Rabies	8	0	49	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Acute Influenza	1	0	5	0
Acute Watery Diarrhea	1	0	88	0
ARI	1	0	11	0
Unknown Poisoning	1	0	12	3
Tick bite	1	0	9	0
Chickenpox	1	0	9	0
COVID-19	1	1	61,842	2,686
Pertussis	1	0	10	0
Gas (CO) Poisoning	1	0	18	0
Total	124	6	63002	2713

Laboratory surveillance:

A total of 11713 specimens were collected and shipped to CPHL and regional and private labs. Out of which 1338 specimens were confirmed for COVID-19 in this week

Influenza Surveillance activities:

In Epidemiological week 17th 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, 197(6%) Severe Acute Respiratory Infections cases were reported and 69% of them were under 5 years old. The proportion of SARI cases was same as compared to week 16th 2021. Eight 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 (14%), Bamyan (9%). In this epidemiological week, our field staff send 41 SARI and 30 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 11713 specimens were tested for suspected COVID-19. Out of which 1338 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine.

Out of 2973 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 the passengers in the points of entry for fever, and health education was conducted for them, about 99,085 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).

Total of 317 samples were confirmed for COVID-19 new variant in 18 provinces of the country (Kabul, Nangarhar, Paktia, Logar, Herat, wardak, Baghlan, Balkh, Kunduz, Faryab, Ghazni, Kandahar, Bamyan, Takhar, Zabul, Kapisa, Panjshir and Parwan), from the said provinces around 67% 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 (33% more cases are reported compared to last week), also COVID-19 new 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 1104 suspected Measles cases, 01 deaths due to Measles, 02 suspected Pertussis cases and 01 Neonatal tetanus case, further prevention and control measures should be conducted by EPI team.
- Also, as in this week 04 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.