



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report–15<sup>th</sup>

Date: 11 to 17 April 2021

### Summary:

- Out of 513 functional Surveillance sentinel sites, 478(93.2%) have submitted reports this week.
- A total of 444,561 new consultations, 164,267 (37.0%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 99,892 cases, 22.5% out of total new consultations, Pneumonia, 20,124 cases, 4.5% out of total new consultations and Acute Diarrheal Diseases, 41,692 cases, 9.3% out of total new consultations.
- A total of 212 deaths were reported this week, of which 35 were due to Surveillance targeted diseases, which includes 28 Pneumonia deaths, 02 Measles deaths, 01 Meningitis death, 02 Acute Diarrheal Diseases deaths and 02 Pregnancy-related deaths.
- A total of 02 outbreaks reported this week; of which 01 Measles outbreak reported from Nuristan province and 01 CCHF case reported from Faryab province. Also 674 COVID-19 confirmed cases reported countrywide.

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

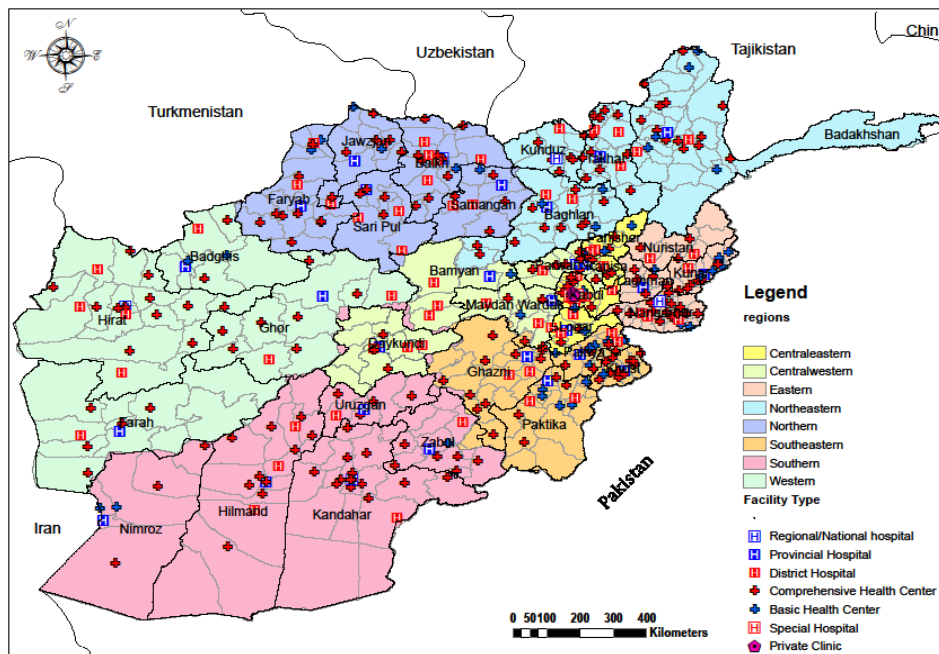


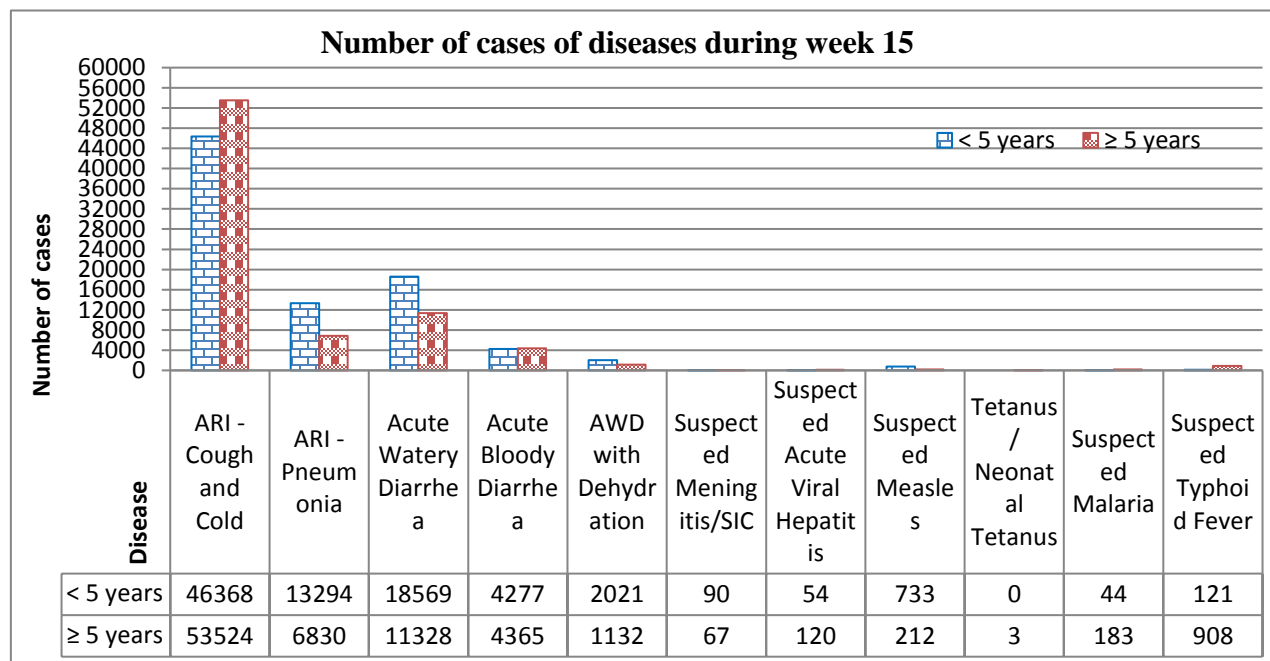
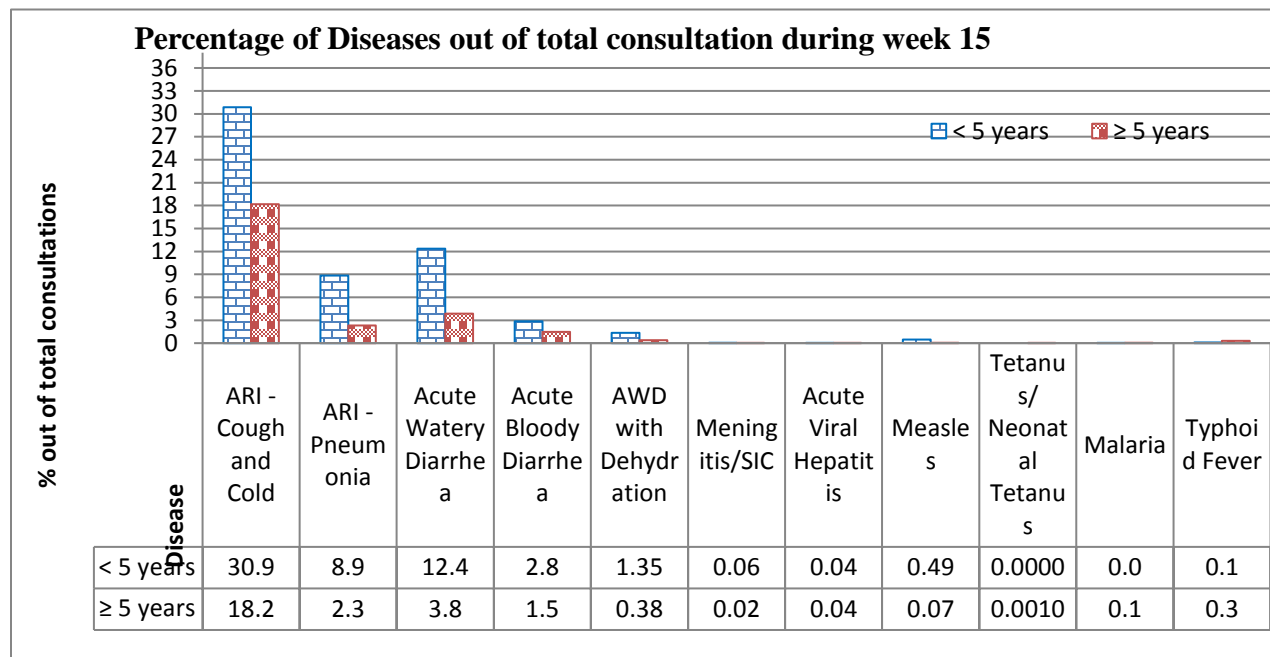
Table 1: Coverage of NDSR Surveillance System

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

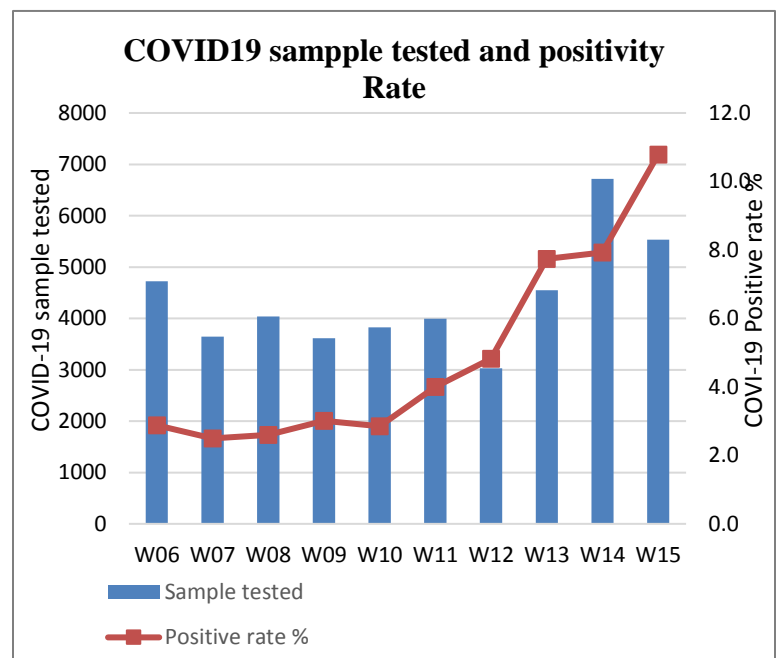
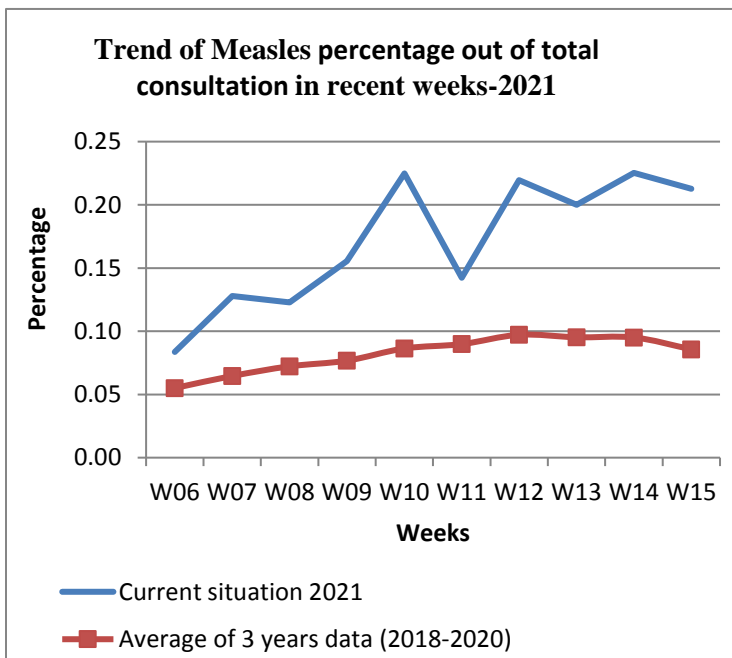
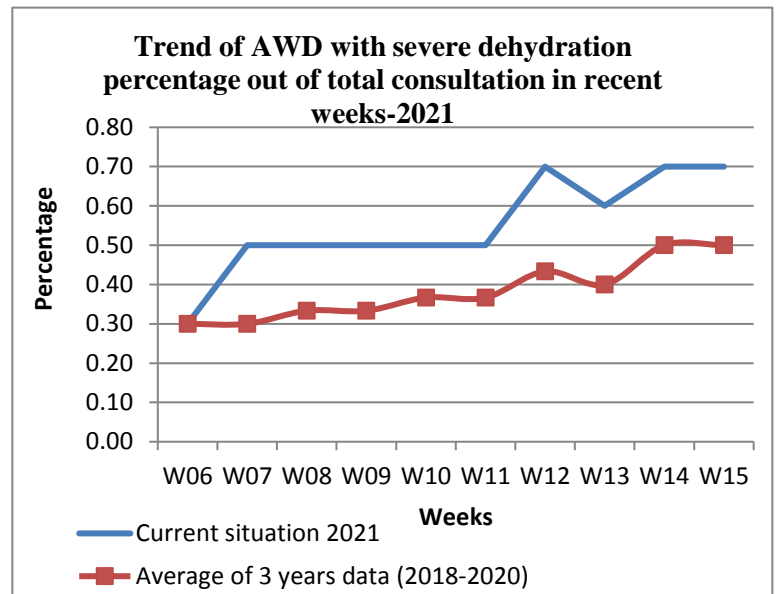
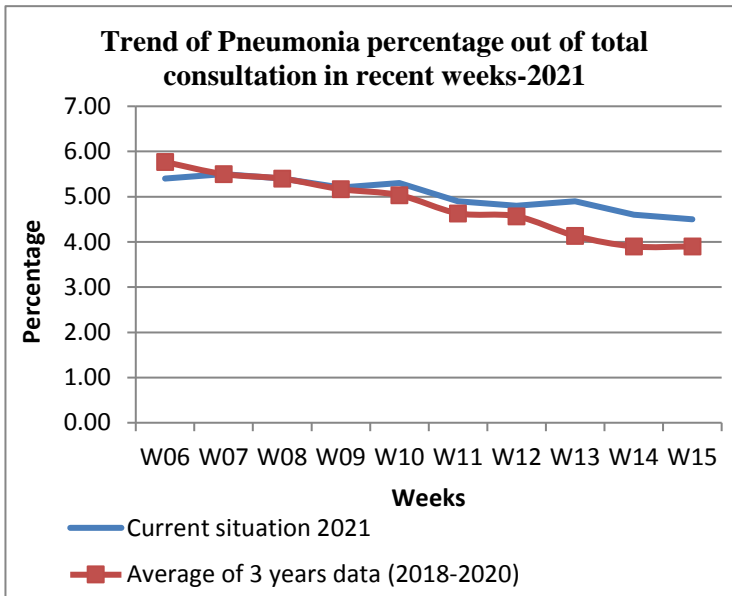


## Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 15<sup>th</sup>, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	733	212	945	0	2	2	0.2
Neonatal tetanus	0	3	3	0	0	0	0.0
Suspected Pertussis	0	1	1	0	0	0	0.0

## Seasonal Diseases:



During week 15<sup>th</sup> total of (02) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

<b>Suspected Measles Outbreak</b>									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Recommendation/Action take
13 April 2021	Nuristan	Kamdesh	Gohar desh	12	2	14	0	70 %	In this week 01 suspected Measles outbreak was reported from Nuristan province. The cases were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children and health education sessions was conducted.

<b>Suspected CCHF Case</b>								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
11 April 2021	Faryab	Sherintagab	Islam Qala	1	0	25 Y	Shepherd	During this week 01 suspected CCHF case was reported from Faryab province, the case had probable contact with animals or the tissues of the animal, case management was done and health education session was conducted. No death was reported from CCHF in this week

Figure 3: Outbreaks investigated during week 15<sup>th</sup>, 2021

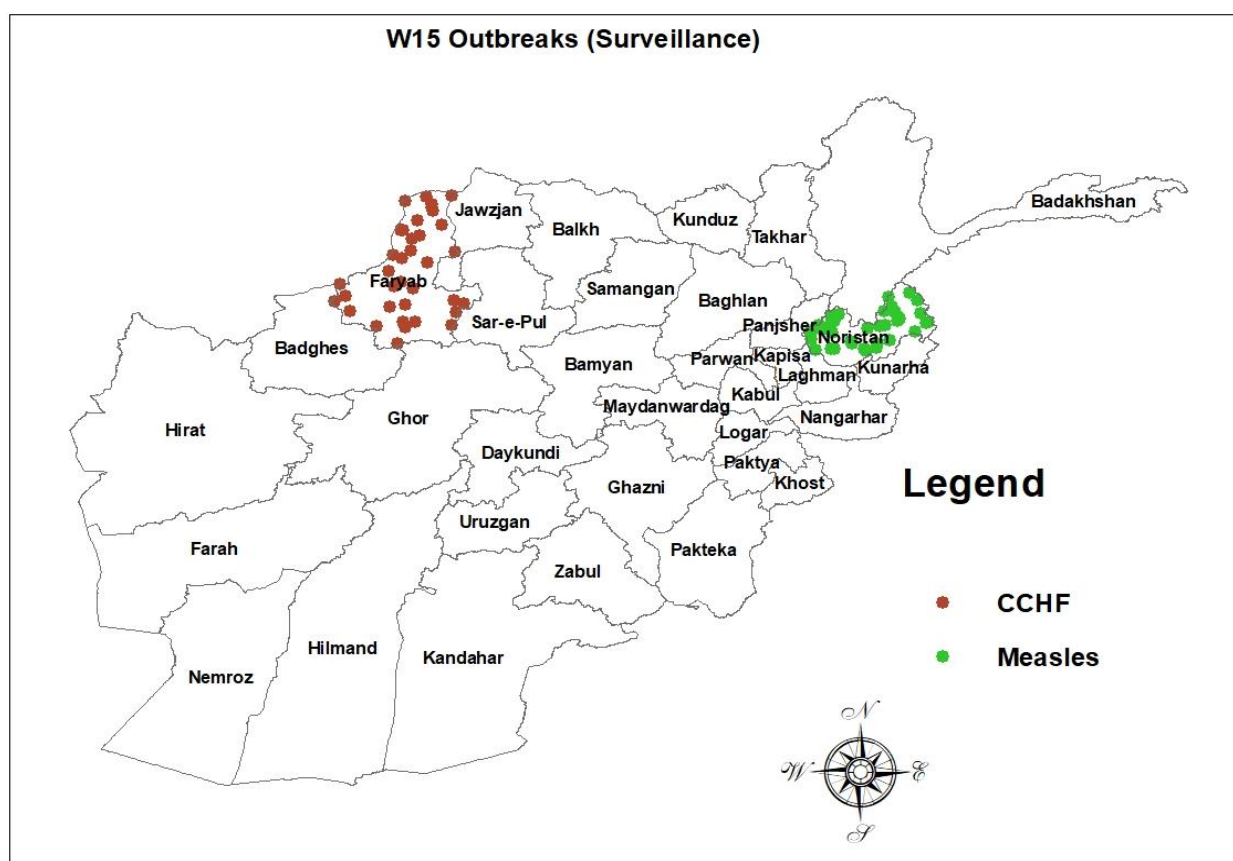


Table 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 17 April 2021)

Disease/Event	No.of outbreaks	No. of Lab_Confrm	No.of Cases	Sum of Total Deaths
Measles	72	0	741	22
CCHF	19	5	19	0
Dog bites/Suspected Rabies	7	0	39	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	58542	2565
Chickenpox	1	0	9	0
<b>Grand Total</b>	<b>112</b>	<b>6</b>	<b>59492</b>	<b>2591</b>

#### Laboratory surveillance:

A total of 13,167 specimens were collected and shipped to CPHL and the regional and private labs. Out of which 674 specimens were confirmed for COVID 19 in this week.

### **Influenza Surveillance activities:**

In Epidemiological week 15th 2021, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Nangarhar, and Paktya). Out of all new hospital admission, 171(5%) Severe Acute Respiratory Infections cases were reported and 78% of them were under 5 years old. The proportion of SARI cases were decreased as compared to week 14th 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 (20%) and Bamyan (10%). In this epidemiological week, our field staff send 40 SARI and 28 ILI specimens to the National Influenza Center (NIC).

### **COVID-19 Surveillance activities:**

In this week 13,167 specimens were tested for suspected COVID-19. Out of which 674 samples were confirmed for COVID 19 by PCR. The cases have been managed either in the isolation wards or in-home quarantine.

Out of 893 contacts of 208 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 monitoring, and health education was conducted for them, about 143,981 passengers have been screened for COVID-19 in the point of entry of eight provinces (Kandahar, Nangarhar, Kabul, Herat, Nimroz, Farah, Balkh and Khost provinces).

Total of 246 samples are confirmed for COVID-19 new variant in Kabul, Nangarhar, Paktia, Logar, Herat, Wardak, Baghlan, Balkh, Kunduz, Faryab, Ghazni and Kandahar provinces, samples collection process from other provinces is going on.

### **Challenges:**

- In most provinces of the country a small increase of COVID-19 cases was reported especially in 9 provinces (Nangarhar, Kunar, Laghman, Zabul, Kandahar, Kabul, Helmand, Logar and Wardak province) of the country
- Insufficient lab sample collection for COVID-19 cases, for detection of the new variant, especially from the remote areas of the country
- Measles outbreaks and sporadic cases are in the increasing trend compared to last year

### **Recommendations:**

- COVID-19 early detection, contact tracing and home quarantine of the suspected cases should be strengthened especially in the high-risk provinces.
- Sufficient COVID-19 lab samples should be collected from all provinces, especially from remote areas
- **EPI:** As the system detected 959 suspected Measles cases, 02 deaths due to Measles, 03 Neonatal tetanus cases and 01 suspected Pertussis case, further prevention and control measures should be conducted by EPI team.
- Also, as in this week 01 suspected measles outbreak was 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.