

National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-11<sup>th</sup>

Date: 14 to 20 March 2021

### Summary:

- Out of 513 functional Surveillance sentinel sites, 470(92.6%) have submitted reports this week.
- A total of 423,469 new consultations, 158,987 (37.5%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 103,631 cases, 24.5% out of total new consultations, Pneumonia, 20,584 cases, 4.9% out of total new consultations and Acute Diarrheal Diseases, 32,679 cases, 7.7% out of total new consultations.
- A total of 233 deaths were reported this week, of which 50 were due to Surveillance targeted diseases, which includes 44 Pneumonia deaths, 03 Meningitis deaths and 03 Measles deaths.
- A total of 10 outbreaks reported this week; of which 07 Measles outbreaks reported from Paktya, Paktika, Helmand, Nimroz and Kunar provinces and 03 CCHF cases reported from Kabul, Faryab and Kunduz provinces, also 182 COVID-19 confirmed cases reported countrywide.

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

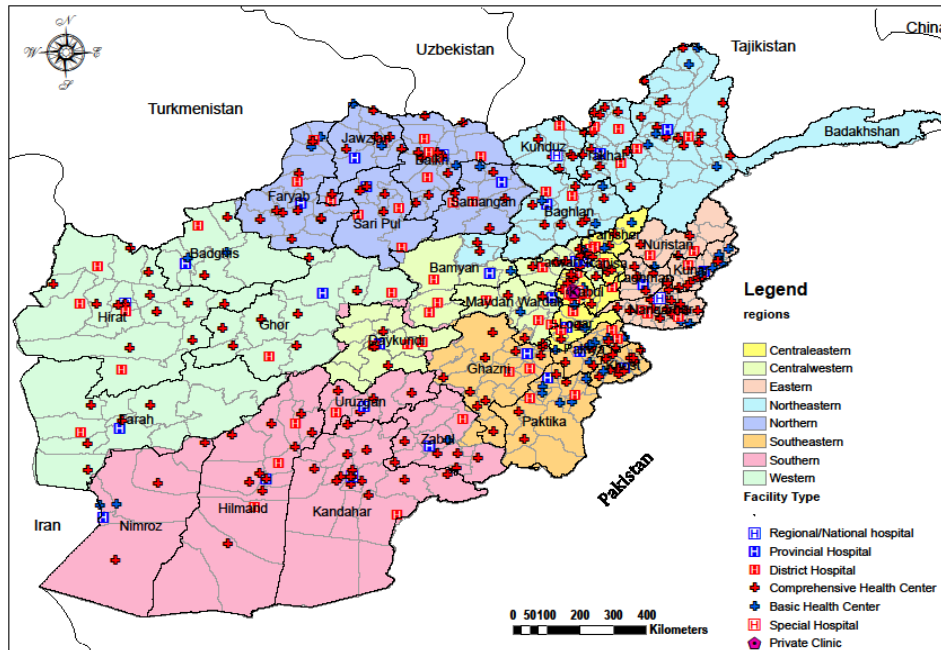


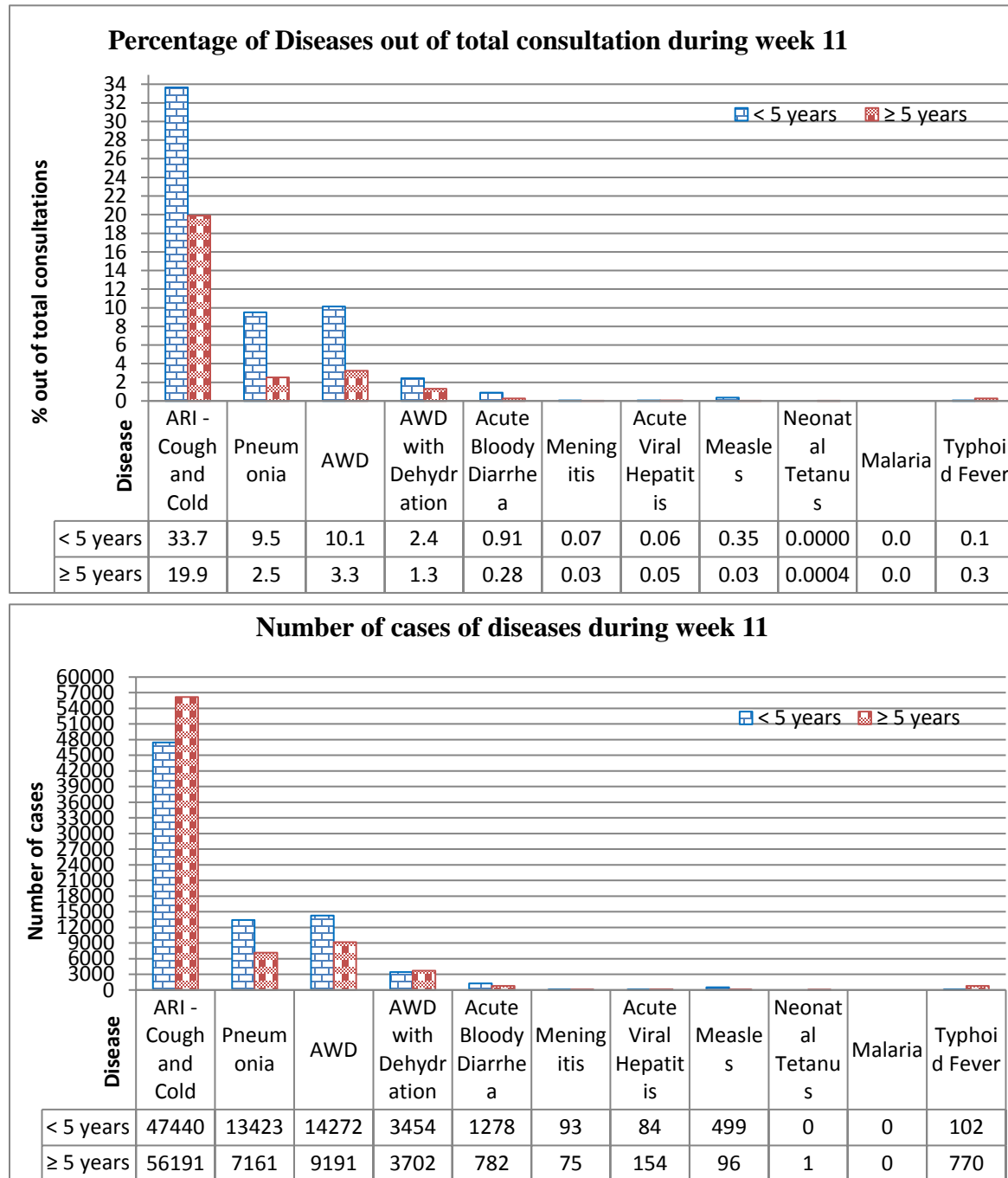
Table 1: Coverage of NDSR Surveillance System

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**

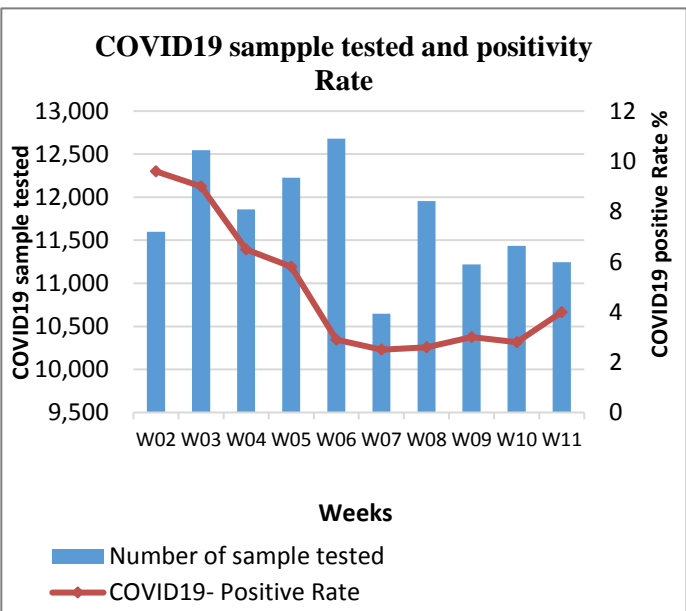
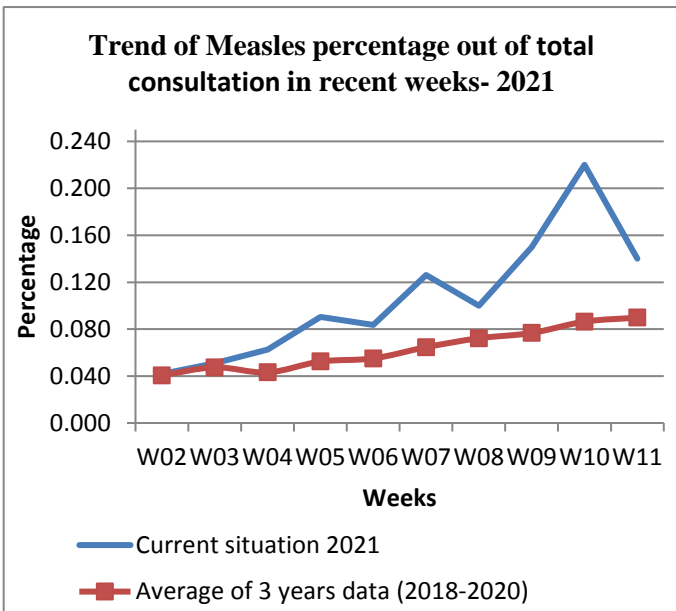
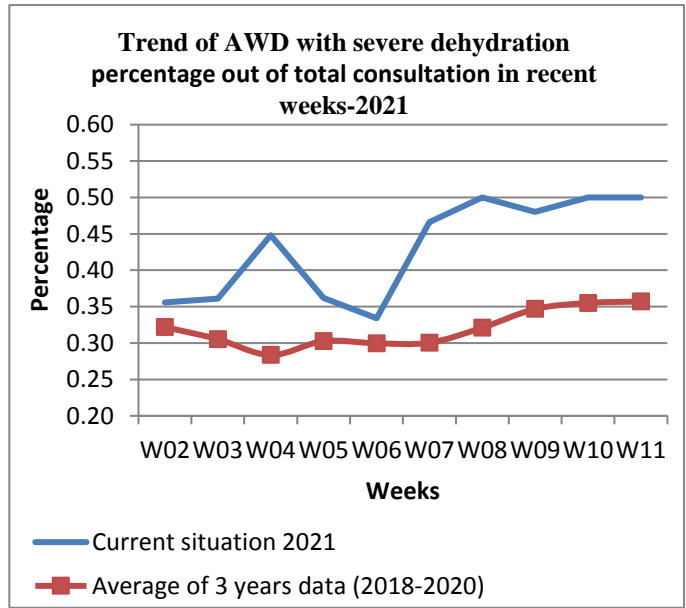
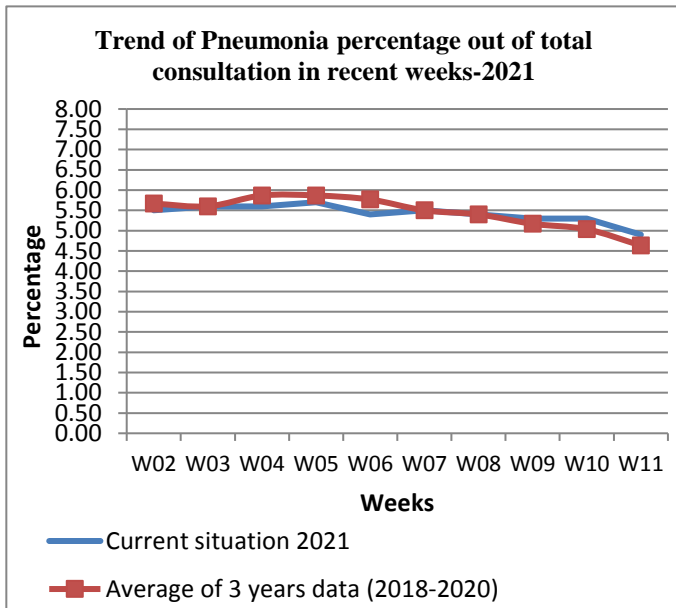


## Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 11<sup>th</sup> 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	499	96	595	3	0	3	0.5
Pertussis	0	1	1	0	0	0	0.0

### Seasonal Diseases:



During week 11<sup>th</sup> total of (10) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Suspected Measles Outbreak									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Recommendation/Action take
10 March 2021	Paktya	Gardiz	Madraskhil	6	4	10	0	30 %	In this week 07 Measles outbreaks reported from Paktya, Paktika, Helmand, Nimroz and Kunar 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.
15 March 2021	Paktika	Sharan	Mulikan	5	2	7	0	40 %	
16 March 2021	Paktika	Sharan	Mohammad khil	5	3	8	1	40 %	
14 March 2021	Helmand	Nahreseraj	Hayderabad	7	1	8	0	60 %	
16 March 2021	Nimroz	Zaranj	Kakaran	8	1	9	0	68 %	
17 March 2021	Helmand	Nahreseraj	New bazar	5	3	8	0	60 %	
14 March 2021	Kunar	Sawkai	Rawgy	5	3	8	0	85 %	
Suspected CCHF cases									
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take	
16 March 2021	Faryab	Khaja sabezposh	Badghis	1	0	17	Student	During this week 03 suspected CCHF cases were reported from Kabul, Kunduz and Faryab provinces, the cases had probable contact with animals or the tissues of the animal, case management was done for all the cases and health education sessions were conducted.  No death was reported from CCHF in this week	
17 March 2021	Kunduz	Emam sahib	Kamram	1	0	17	Worker		
18 March 2021	Kabul	District 3	Ali abad	1	0	45	Jobless		

Figure 3: Outbreaks investigated during the week 11<sup>th</sup>, 2021

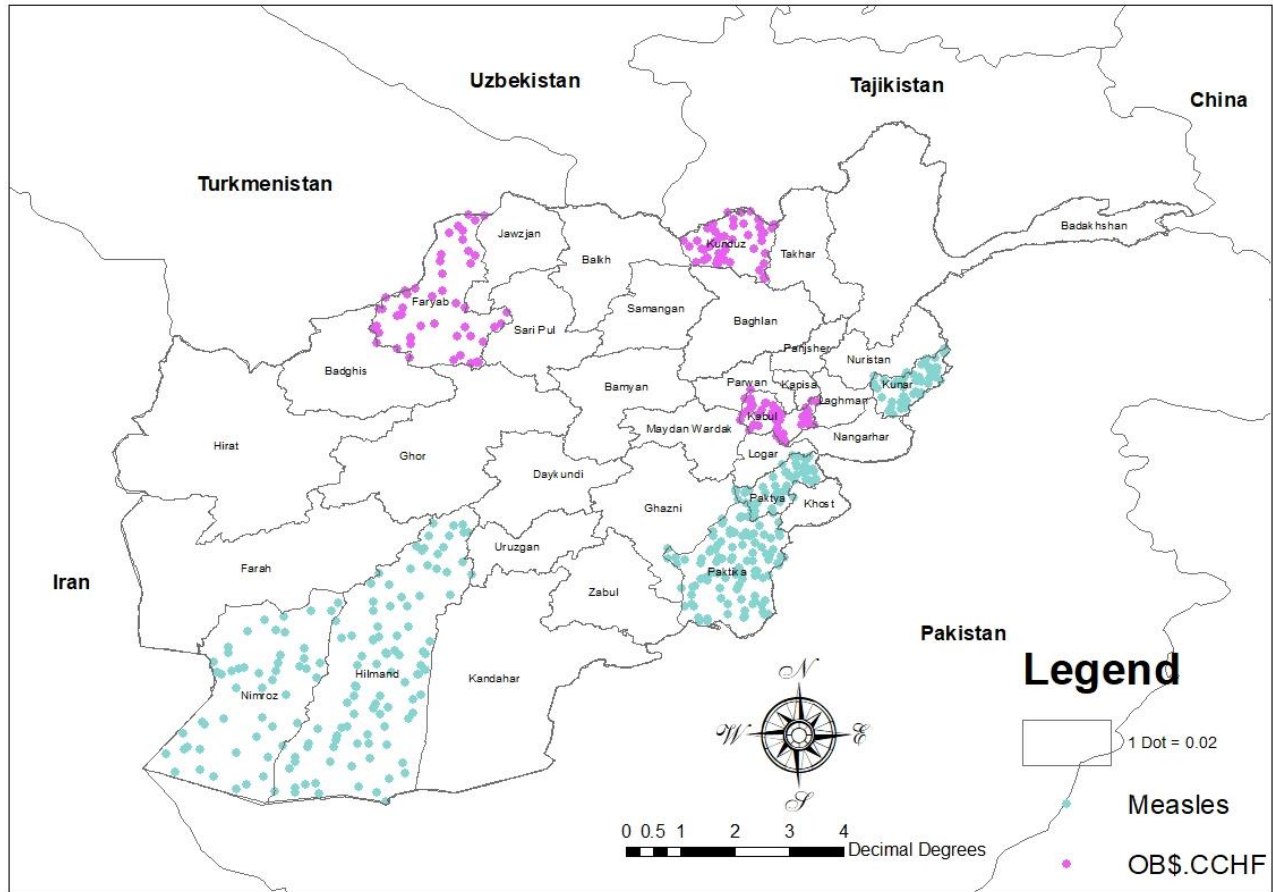


Table 2: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 20 March 2021)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	57	0	559	17
CCHF	11	0	11	0
Dog bites/Suspected Rabies	5	0	28	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
COVID-19	1	1	56144	2463
Tick bite	1	0	9	0
Unknown Poisoning	1	0	12	3
Acute Influenza	1	0	5	0
Gas (CO) Poisoning	1	0	18	0
Chickenpox	1	0	9	0
<b>Grand Total</b>	<b>85</b>	<b>1</b>	<b>56872</b>	<b>2484</b>

**Laboratory surveillance:**

A total of 11,247 specimens were collected and shipped to CPHL. Out of which 182 specimens were confirmed for COVID 19.

### **Influenza Surveillance activities:**

In Epidemiological week 11th, 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, 195 (6%) Severe Acute Respiratory Infections cases were reported and 67% of them were under 5 years old. The proportion of SARI cases was the same as compared to week 10th 2021. Six 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 (42%), Kabul (29%) and Paktya (8%). In this epidemiological week, our field staff sent 45 SARI and 31 ILI specimens to the National Influenza Center (NIC).

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

In this week 11,247 specimens were tested for suspected COVID-19. Out of which 182 samples were confirmed for COVID-19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine.

Out of 334 contacts of 7 positive cases which were mostly family members with an average of 48 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 343,732 passengers have been screened for COVID-19 in the point of entry of nine provinces (Kabul, Herat, Paktika, Balkh, Farah, Nimroz, Kandahar, Nangarhar and Kunduz provinces).

COVID-19 new variant testing facility is established in the Central Public Health Lab (CPHL) in Kabul.

### **Challenges:**

- Inadequate lab sample collection for COVID-19 cases from the districts, as majority of the samples are collected from the cities, this issue unable the surveillance system to present the real situation
- A small increase of COVID-19 cases reported especially in east and south regions of the country
- Measles outbreaks and sporadic cases are in the increasing trend compared to last year

### **Recommendations:**

- COVID-19 lab samples should be collected from all districts (all PHs, DHs and district centers should collect the lab samples)
- In the east and south regions of the country the 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.
- **EPI:** As the system detected 653 suspected Measles cases, 04 deaths due to Measles and 01 Pertussis case, further prevention and control measures should be conducted by EPI team.
- Also, as in this week 07 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.