



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-04<sup>th</sup>

Date: 24 to 30 Jan 2021

### Summary:

- Out of 513 functional Surveillance sentinel sites, 470(92%) have submitted reports this week.
- A total of 47,007 new consultations, 184,533 (39.1%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 128,145 cases, 27.1% out of total new consultations, Pneumonia, 26,331 cases, 5.6% out of total new consultations and Acute Diarrheal Diseases, 28,324 cases, 6% out of total new consultations.
- A total of 248 deaths were reported this week, of which 66 were due to Surveillance targeted diseases, which includes 56 Pneumonia deaths, 05 Pregnancy related deaths, 02 Meningitis deaths, 02 Measles deaths and one Acute Watery Diarrhea death.
- A total of 10 outbreaks reported this week; of which 07 Suspected Measles outbreaks reported from Paktika, Khost, Paktya, Urozgan and Zabul provinces, one probable Diphtheria outbreak reported from Kabul province, one clinical Scabies outbreak reported from Khost province, one dog bite/suspected Rabies outbreak reported from Paktika province, and 387 COVID-19 confirmed cases reported from all the provinces.

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

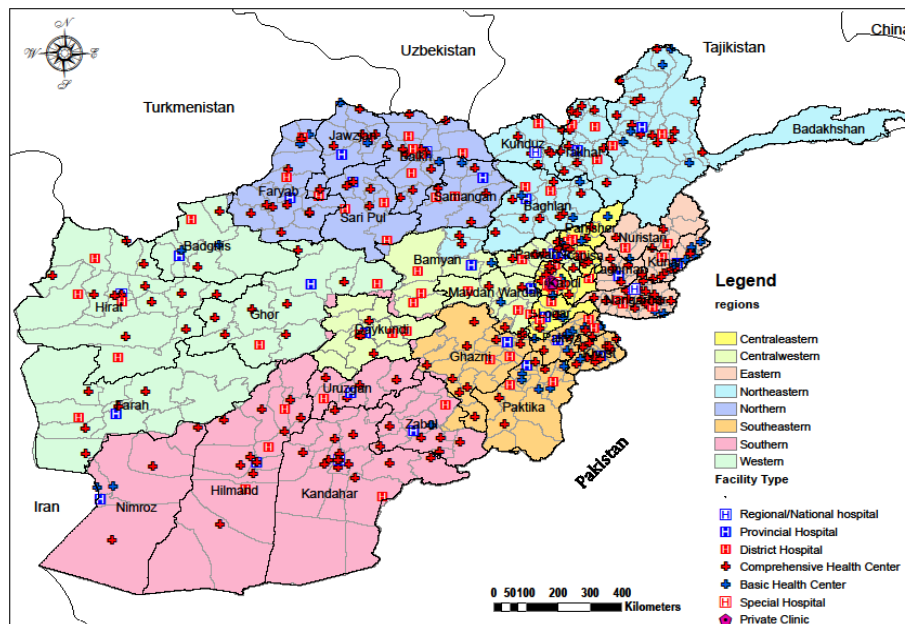


Table 1: Coverage of NDSR Surveillance System

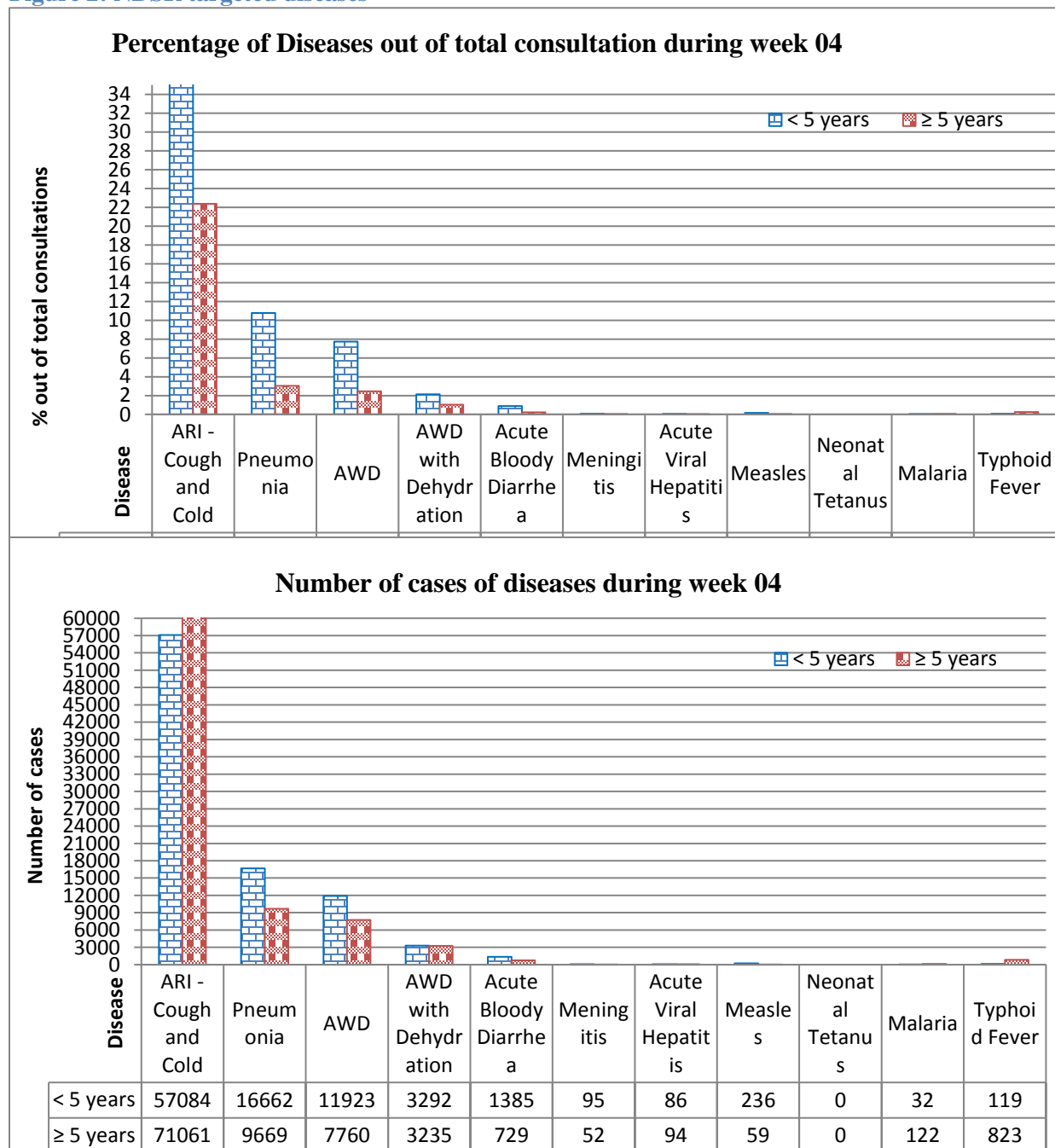
Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	3,718

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**

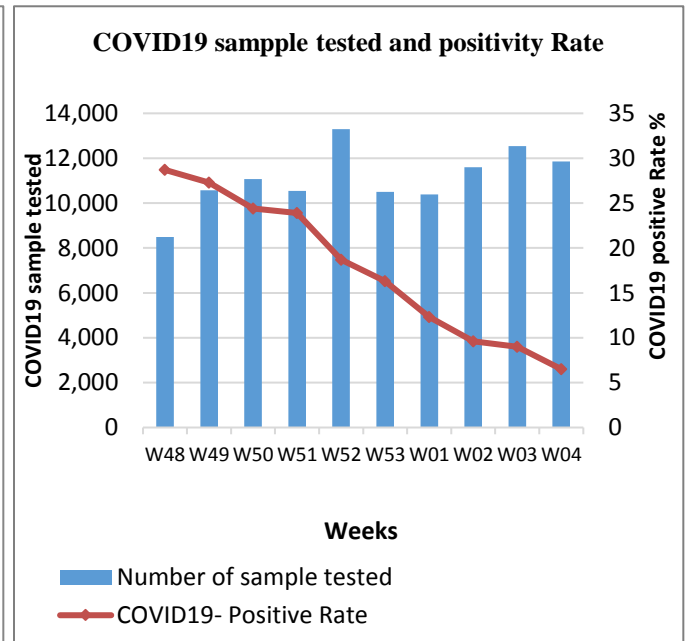
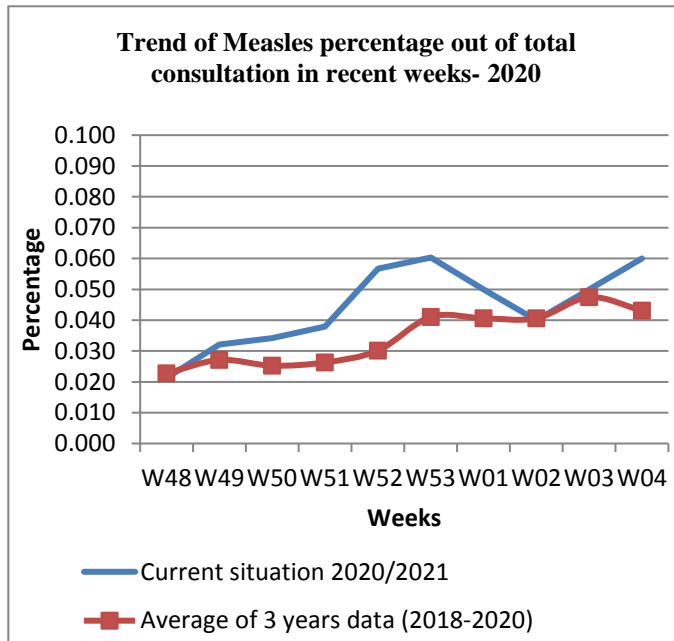
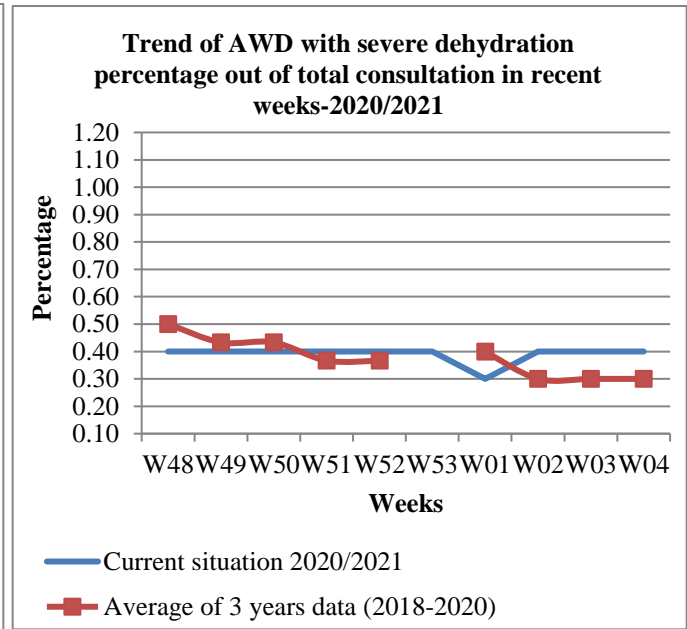
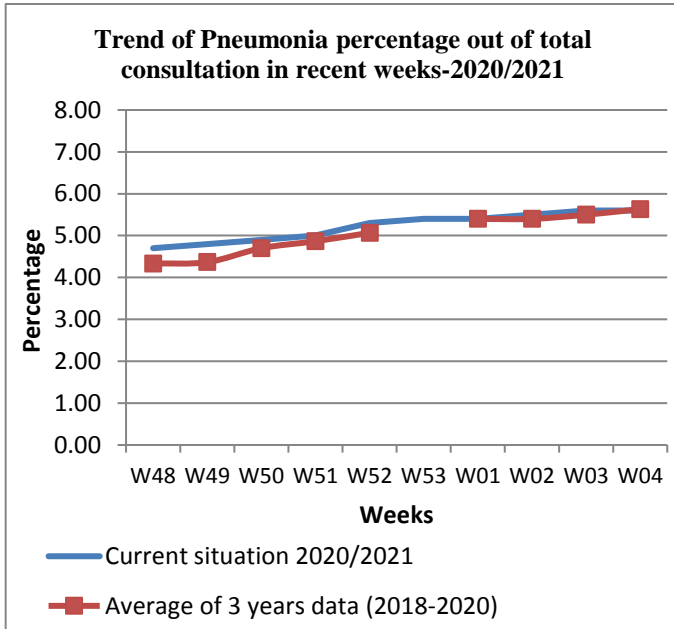


## Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 04<sup>th</sup> 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	236	59	295	2	0	2	0.7

### Seasonal Diseases:



During week 04<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 Outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
15 Jan 2021	Paktika	Yahyahil	Khalatah	4	3	7	0	28 %	NA	In this week 07 suspected Measles outbreaks were reported from Paktika, Pakya, Khost, Urozgan and Zabul 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 in all the areas where the outbreaks were happened.
16 Jan 2021	Paktia	Shwak	Shwak	5	4	9	0	25 %	NA	
18 Jan 2021	Paktika	Sharana	Kotwal	4	3	7	0	40%	NA	
25 Jan 2021	Khost	Mandozai	Wachakhawra	5	4	9	0	NA	NA	
18 Jan 2021	Paktika	Khairkot	Paindakhil	7	1	8	0	36	NA	
24 Jan 2021	Urozgan	Khasurozgan	Gandab	8	5	13	0	30 %	NA	
27 Jan 2021	Zabul	Qalat	Arghandabyan	6	1	7	0	21%	NA	
Clinical Scabies Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
18 Jan 2021	Khost	Mandozai	Charagah	60	0	In this week one clinical Scabies outbreak was reported from Khost province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.				
Probable Diphtheria Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
25 Jan 2021	Kabul	District 13	Barchi	1	1	In this week one probable Diphtheria outbreak was reported from Kabul province, the outbreak was investigated, case management was done, and health education session was conducted.				

### Dog bite/suspected Rabies Outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
24 Jan 2021	Paktika	Sharana	Daghari	6	0	In this week one Dog bite/suspected Rabies outbreak was reported from Paktika province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.

Figure 3: Outbreaks investigated during the week 04<sup>th</sup>, 2021

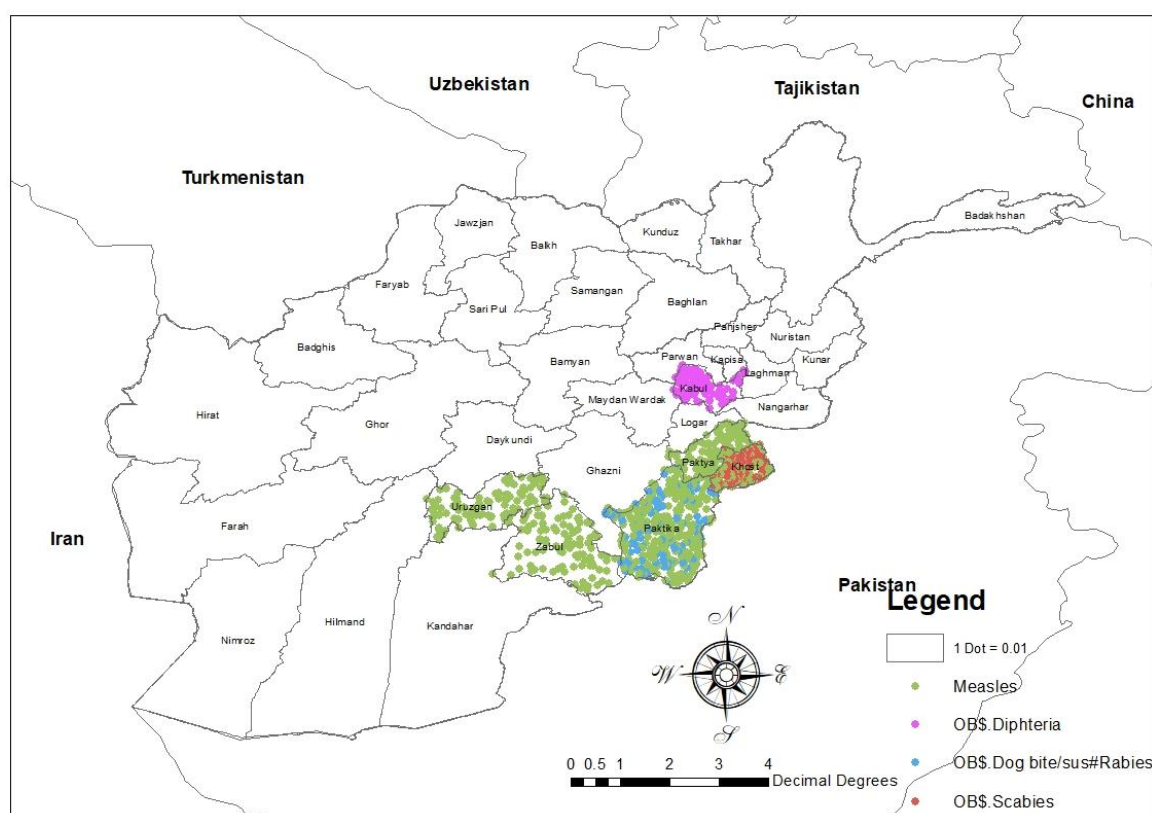


Table 2: Updates on the outbreaks reported during 2020 (27 Dec 2020 to 30 Jan 2021)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	14	0	132	1
CCHF	2	0	2	0
Diphtheria	2	0	4	1
Scabies	2	0	65	0
Dog bites/Suspected Rabies	2	0	12	0
COVID-19	1	1	55059	2404
Chickenpox	1	0	9	0

Tick bite	1	0	9	0
Gas (CO) Poisoning	1	0	18	0
<b>Grand Total</b>	<b>26</b>	<b>1</b>	<b>55310</b>	<b>2406</b>

### Laboratory surveillance:

A total of 11,858 specimens were collected and shipped to CPHL. Out of which 387 specimens were confirmed for COVID 19.

### Influenza Surveillance activities:

In Epidemiological week 4th, 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, 286(8%) Severe Acute Respiratory Infections cases were reported and 62% of them were under 5 years old. The proportion of SARI cases were decreased as compared to week 3rd, 2021. Nine 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 (58%), Kabul (49%) and Paktia (15%). In this Epidemiological week, our field staff sent 62 SARI and 41 ILI specimens to the National Influenza Center (NIC).

### COVID-19 Surveillance activities:

In this week 11,858 specimens were tested for suspected COVID-19. Out of which 387 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine,

Out of 1,008 contacts of 116 positive cases which were mostly family members with an average of 08 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 332,194 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).

### Challenges:

- In the recent weeks, the Measles outbreaks and sporadic cases are increased compared to last year
- Inadequate lab sample collection system for COVID-19 cases from the districts, as currently majority of the samples are collected from the cities, this make us unable to present the real situation
- Under-reporting of COVID-19 clinical cases from public and private HFs

### Recommendations:

- EPI team and the BPHS implementer NGOs are requested to strengthen the preventive and control measures for Measles outbreaks and sporadic cases.
- COVID-19 lab samples should be collected from all districts (all PHs, DHs and district centers should collect the lab samples)
- COVID-19 clinical cases reporting should be strengthened in all public and private health facilities
- **EPI:** As the system detected 295 suspected Measles cases and 02 deaths due to measles, further prevention and control measures should be conducted by the EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.