



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-03rd

Date: 17 to 23 Jan 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 472(92.2%) have submitted reports this week.
- A total of 462,895 new consultations, 177,986 (38.5%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 124,108 cases, 26.8% out of total new consultations, Pneumonia, 26,079 cases, 5.6% out of total new consultations and Acute Diarrheal Diseases, 26,178 cases, 5.7% out of total new consultations.
- A total of 294 deaths were reported this week, of which 65 were due to Surveillance targeted diseases, which includes 56 Pneumonia deaths, 05 Pregnancy related deaths, 02 Meningitis deaths, one Acute Watery Diarrhea death and one Acute Viral Hepatitis death.
- A total of 05 outbreaks reported this week; of which 02 CCHF cases reported from Faryab and Kunduz provinces one Measles outbreak reported from Urozgan province, one Chickenpox outbreak reported from Parwan province, one Diphtheria outbreak reported from Faryab province, and 610 COVID-19 confirmed cases reported from all the provinces.

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

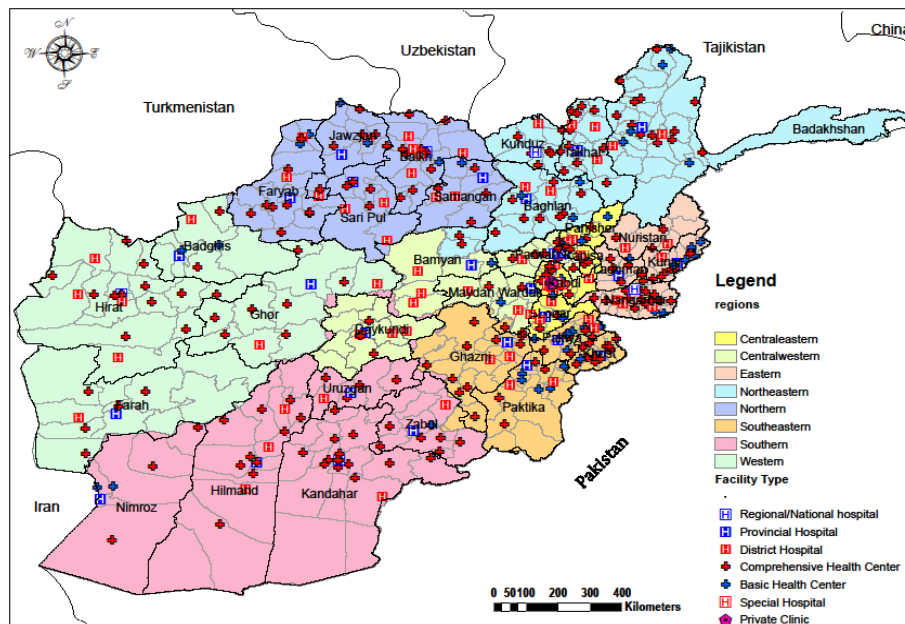


Table 1: Coverage of NDSR Surveillance System

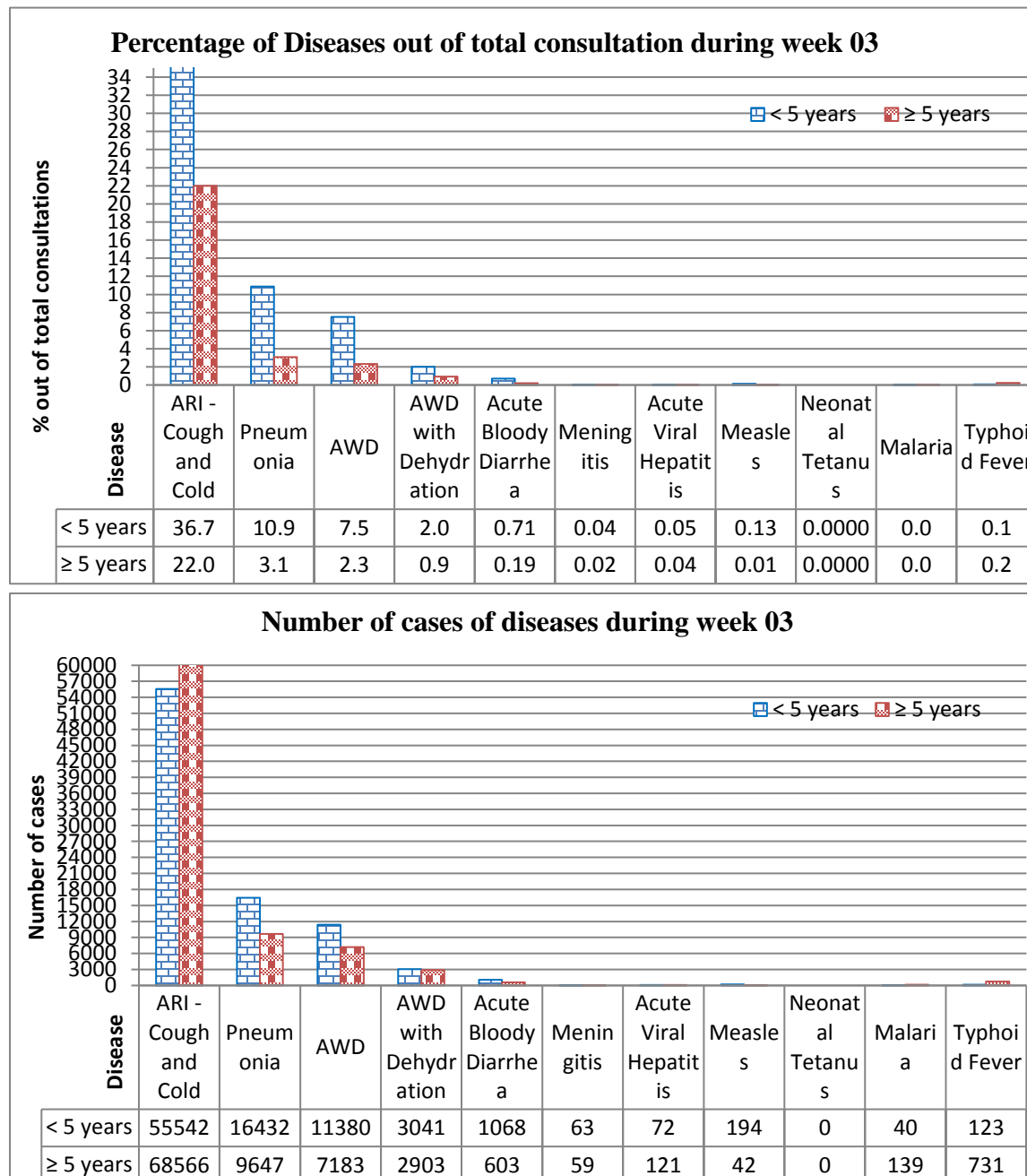
Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	3,718

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

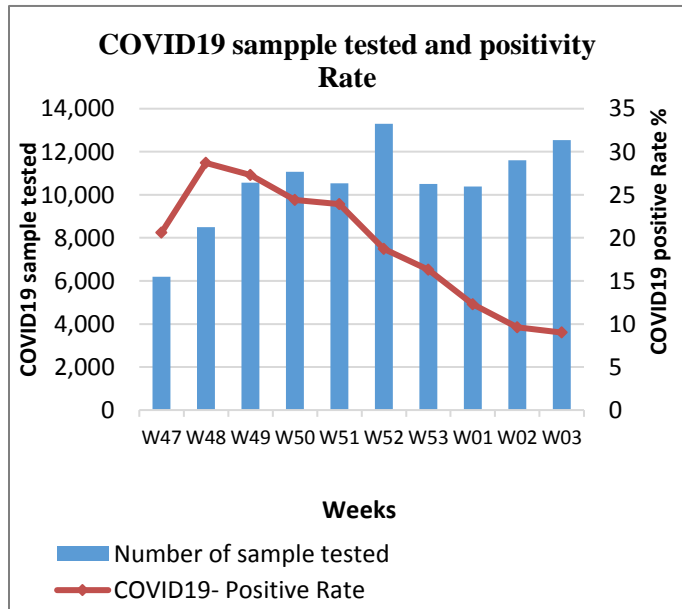
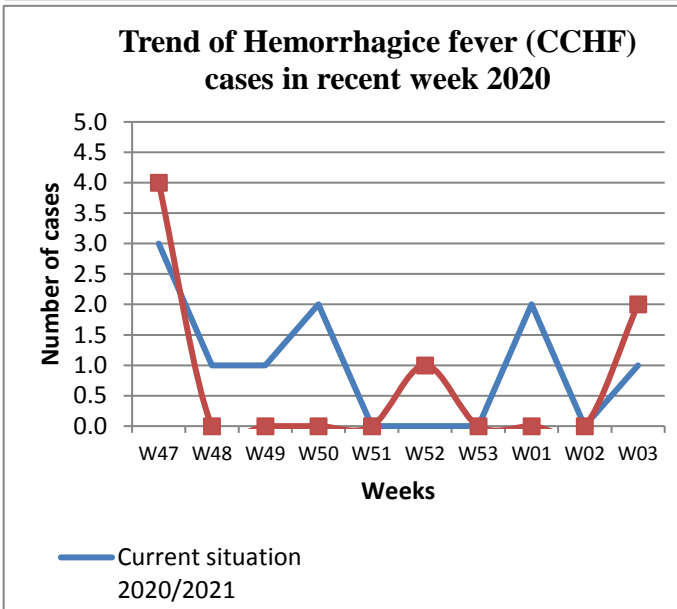
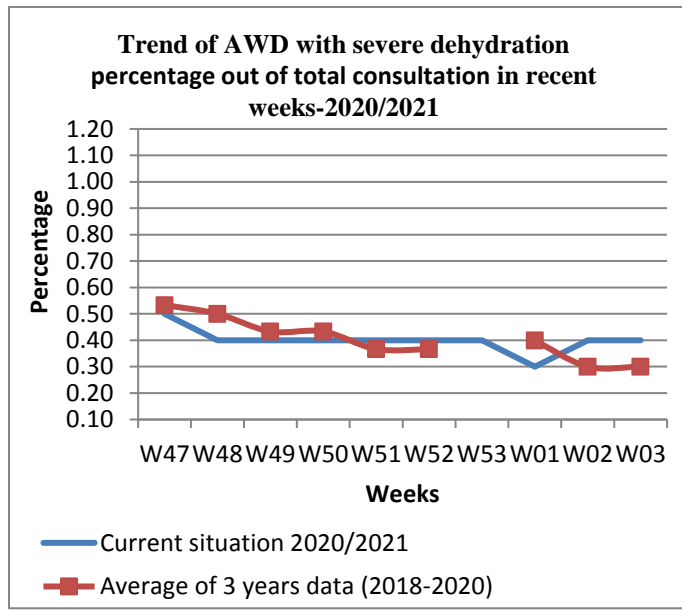
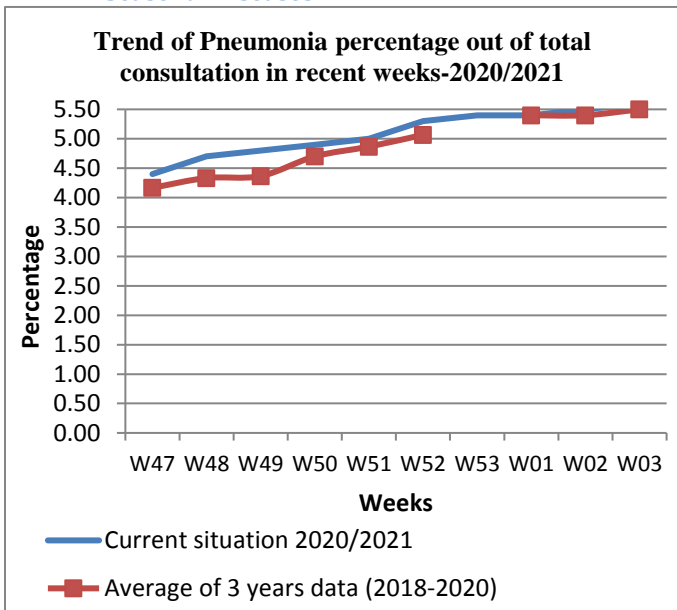


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 03rd 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	194	42	236	0	0	0	0.0
Diphtheria	0	3	3	0	0	0	0.0

Seasonal Diseases:



During week 03rd total of (5) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Suspected CCHF cases										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
19 Jan 2021	Faryab	Qaisar	Toymas	1	0	22	Health worker	During this week 02 suspected CCHF cases were reported from Faryab and Kundoz 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		
19 Jan 2021	Kundoz	Khan abad	Aqtash	1	0	55	Farmer			
Suspected Measles Outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
18 Jan 2021	Urozgan	Trinkot	District 01	05	02	07	0	45%	NA	In this week one Measles outbreak was reported from Urozgan province. The cases were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education session was conducted.
Suspected Chickenpox Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
18 Jan 2021	Parwan	Bagram	Jan Qadam	9	0	In this week one Chickenpox outbreak was reported from Parwan province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.				

Suspected Diphtheria Outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
20 Jan 2021	Faryab	Qurghan	Baghe bostan	3	0	In this week one suspected Diphtheria outbreak was reported from Faryab 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 03rd, 2020

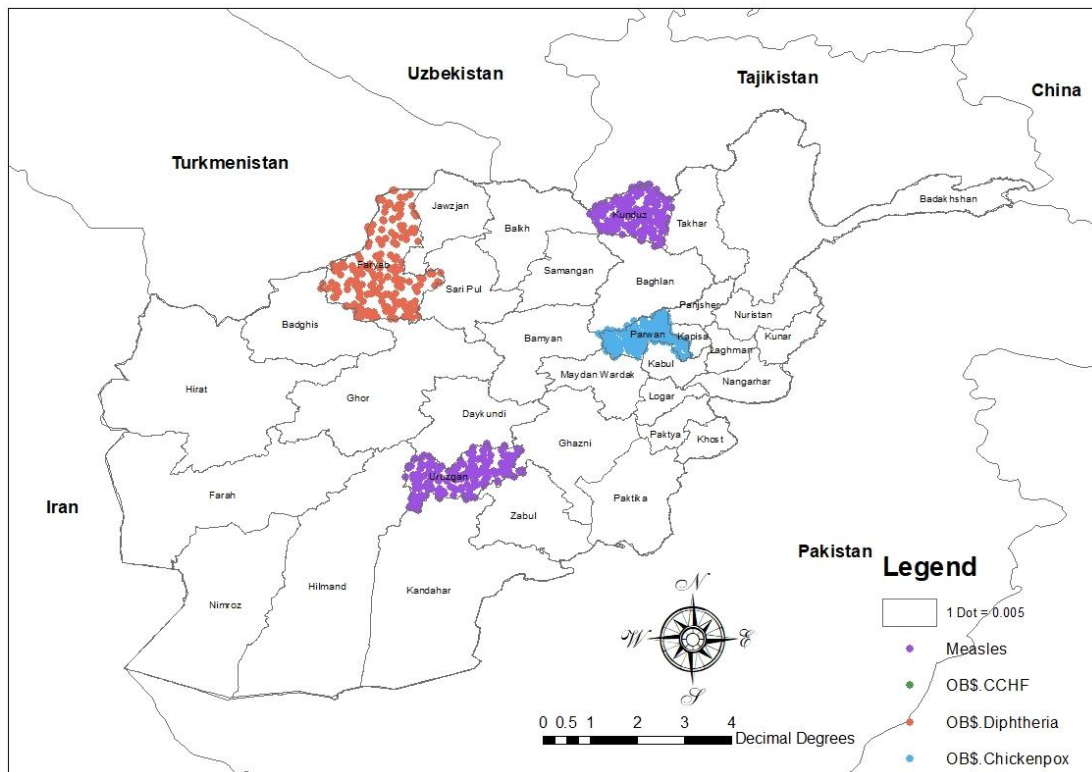


Table 2: Updates on the outbreaks reported during 2020 (27 Dec 2020 to 23 Jan 2021)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	7	0	72	1
CCHF	2	0	2	0
Chickenpox	1	0	9	0
COVID-19	1	1	54672	2385
Diphtheria	1	0	3	0
Tick bite	1	0	9	0
Gas (CO) Poisoning	1	0	18	0
Scabies	1	0	5	0
Dog bites/Suspected Rabies	1	0	6	0
Grand Total	16	1	54796	2386

Laboratory surveillance:

A total of 12,552 specimens were collected and shipped to CPHL. Out of which 610 specimens were confirmed for COVID 19.

Influenza Surveillance activities:

In Epidemiological week 3rd, 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, 324 (10%) Severe Acute Respiratory Infections cases were reported and 65% of them were under 5 years old. The proportion of SARI cases were increased as compared to week 2nd, 2021. Three 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 (59%), Paktya (17%). In this Epidemiological week, our field staff sent 70 SARI and 53 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 12,545 specimens were tested for suspected COVID-19 cases. Out of which 610 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine,

Out of 1,892 contacts of 226 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 356,158 passengers have been screened for COVID-19 in the points of entry of nine provinces (Kabul, Herat, Paktika, Balkh, Farah, Nimroz, Kandahar, Nangarhar and Kunduz provinces).

On line verification system was established in DHIS-2 for passengers' PCR test checking in the airports

Challenges:

- Bed occupancy rate / Number of COVID-19 admitted cases in some provinces (Hirat, Helmand, Kunar, Wardak, Ghazni and Panjsher) are high compared to other provinces of Afghanistan
- 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:

- Provinces with high number of COVID-19 admitted cases should be investigated, that whether they have really more cases or they have problem in the case definition for admission and lab confirmation
- 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 236 suspected Measles and 03 Diphtheria cases, 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.