

National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–07th

Date: 14 to 20 Feb 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 482(93.9%) have submitted reports this week.
- A total of 459,594 new consultations, 171,389 (37.3%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 118,864 cases, 25.9% out of total new consultations, Pneumonia, 25,196 cases, 5.5% out of total new consultations and Acute Diarrheal Diseases, 29,807 cases, 6.5% out of total new consultations.
- A total of 221 deaths were reported this week, of which 60 were due to Surveillance targeted diseases, which includes 52 Pneumonia deaths, 04 Meningitis deaths, 02 Pregnancy related deaths, one Acute Watery Diarrhea with Dehydration death and one Acute Viral Hepatitis death.
- A total of 13 outbreaks reported this week; of which 10 Suspected Measles outbreaks reported from Paktika, Khost, Paktya, Kunar, Ghazni, Jawzjan and Hirat provinces, 02 CCH cases reported from Kabul and Parwan provinces, 01 Avian Influenza (H5N8) outbreak in poultry reported from Herat province, also 103 COVID-19 confirmed cases reported from all the provinces.

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

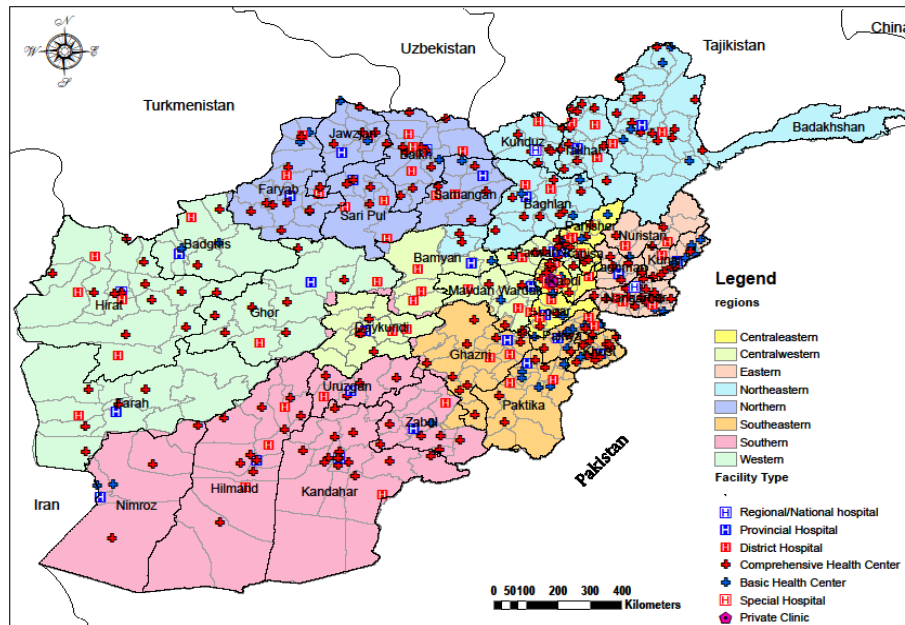


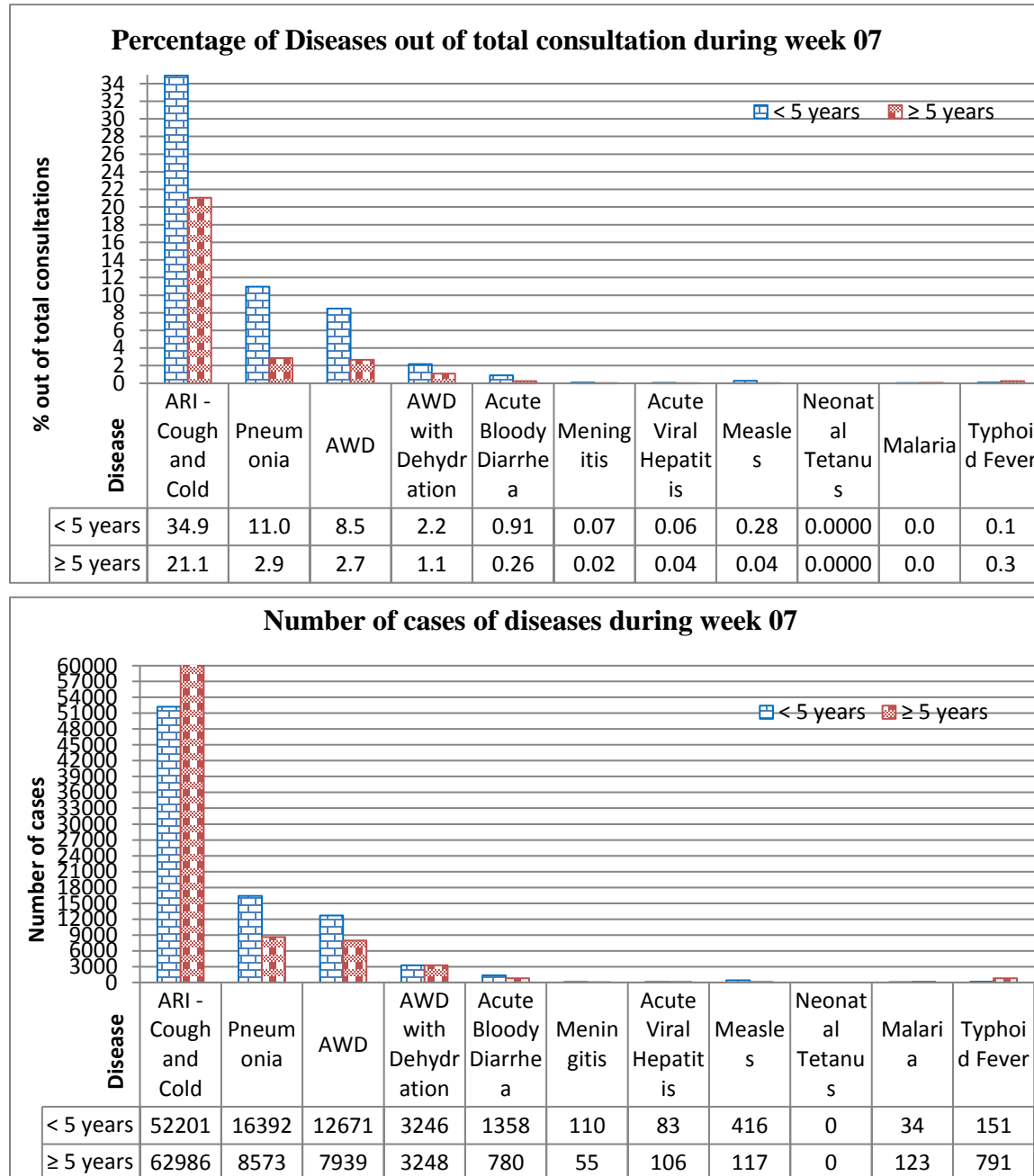
Table 1: Coverage of NDSR Surveillance System

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

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

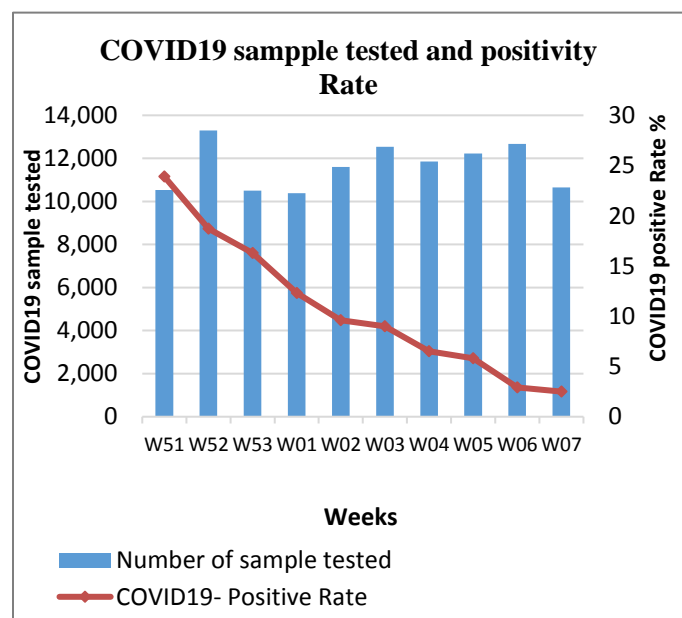
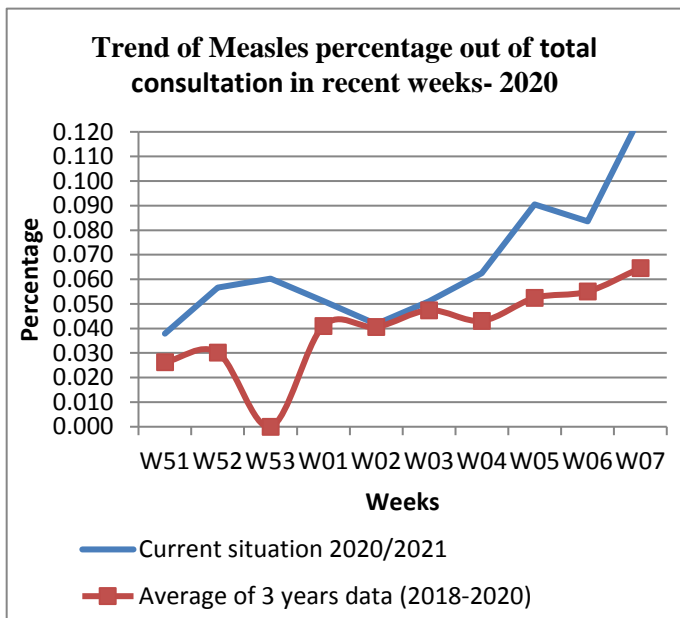
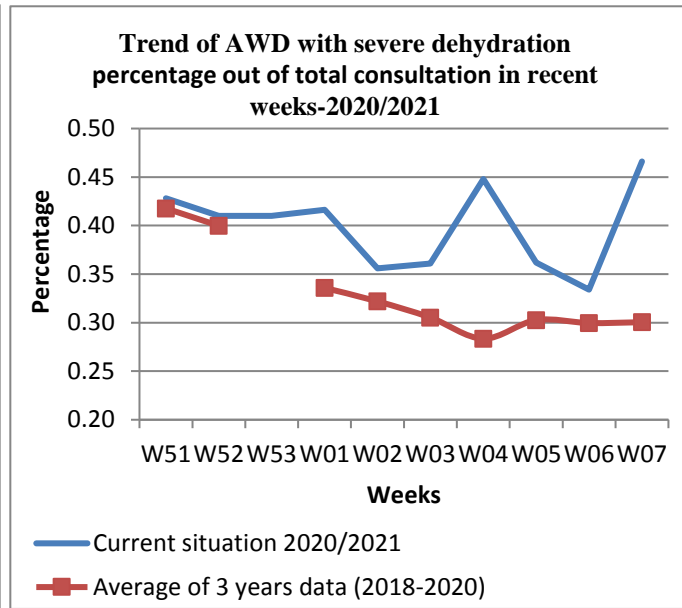
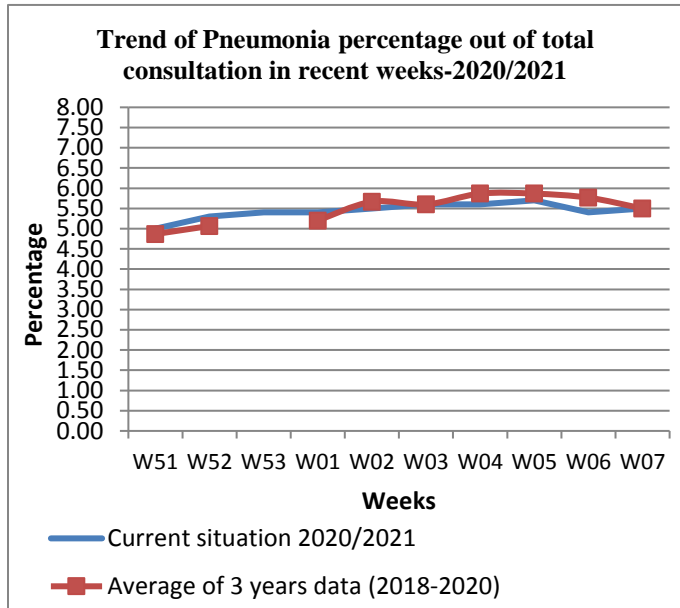


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 07th 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	416	117	533	0	0	0	0.0

Seasonal Diseases:



During week 07th total of (13) 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
07 Feb 2021	Paktika	Urghoon	Alishakot	9	0	9	0	22 %	In this week 10 suspected Measles outbreaks were reported from Paktika, Paktya, Khost, Ghazni, Kunar, Jawzjan and Herat provinces. The outbreaks were investigated, case management was done for all the cases. Vaccination plan was prepared for the surrounding villages eligible children, and health education session was conducted as well.
8 Feb 2021	Paktika	Wazakhwa	Saidkhan	8	2	10	0	20 %	
13 Feb 2021	Paktika	Gardiz	Nistekot	8	2	10	0	50 %	
14 Feb 2021	Ghazni	Dehyak	Sadi Qala	8	5	12	0	45 %	
15 Feb 2021	Khost	Matoon	Lalima	5	0	5	0	55 %	
17 Feb 2021	Paktika	Sharan	Zawli	7	0	7	0	42 %	
16 Feb 2021	Paktika	Janikhil	Faqir Abad	5	2	7	0	36 %	
18 Feb 2021	Kunar	Watapoor	Saparay	10	1	11	0	10 %	
14 Feb 2021	Jawzjan	Sheberghan	Torkhil	5	3	8	0	55 %	
13 Feb 2021	Herat	City	Regional hospital	5	0	5	0	55 %	

Suspected CCHF cases									
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take	
14 Feb 2021	Kabul	District 3	Barchi	1	0	30	Housewife	During this week 02 suspected CCHF cases were reported from Kabul and Parwan provinces, the cases had probable contact with animals or the tissues of the infected animal, case management were done for all the cases and health education sessions were conducted. No death was reported from CCHF in this week	
20 Feb 2021	Parwan	Charikar	Bakhshikhail	1	0	45	Worker		

Suspected Avian Influenza (H5N8) Outbreak in Poultry									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			

19 Feb 2021	Herat	Kohsan District	Poultry farms in Islam qala,	Avian Influenza (H5N8) cases and deaths in Poultry	More than 23000 deaths in poultry	More than 23000 deaths in poultry were reported from poultry farms in Islamqala area of Kohsan District of Herat provinces, the outbreak was investigated, lab samples were collected from poultry, H5N8 was detected in lab samples in poultry, no cases were detected in human still, all the poultries farms were quarantined to prevent further spread, and health education session was conducted.
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Figure 3: Outbreaks investigated during the week 07th, 2021

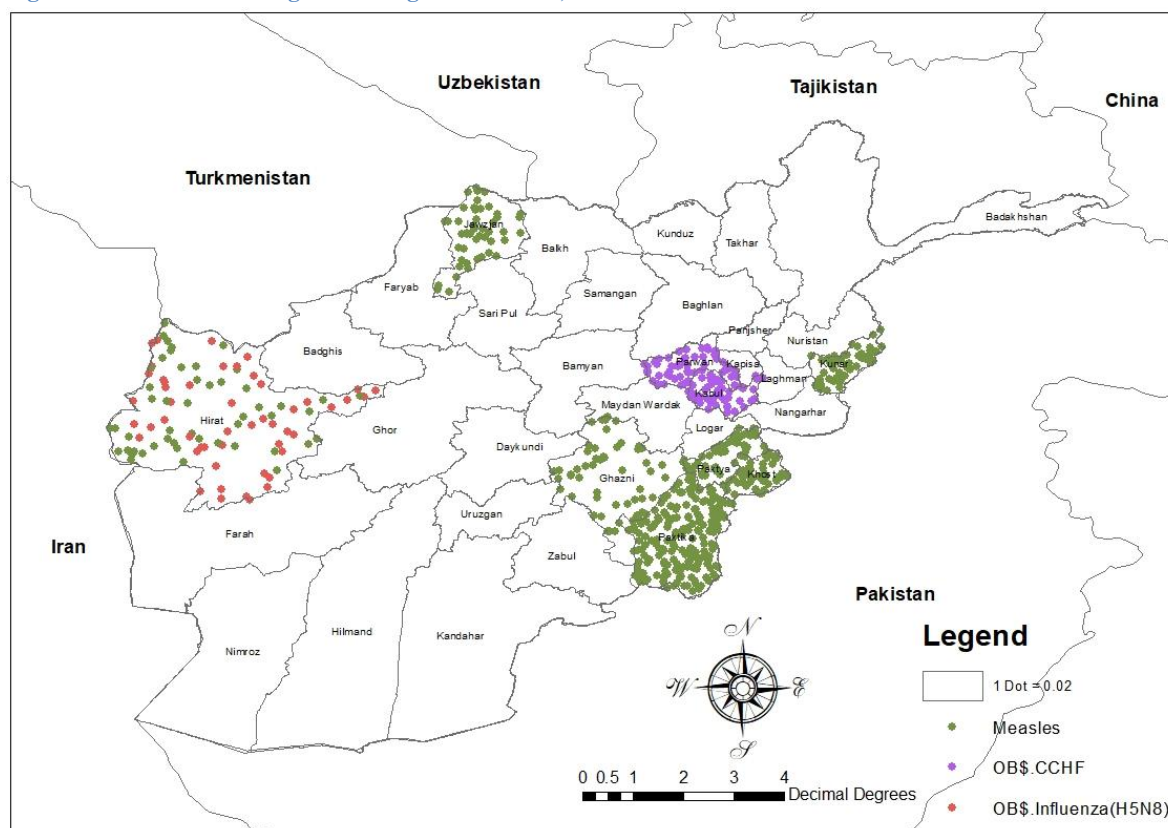


Table 2: Updates on the outbreaks reported during 2020 (27 Dec 2020 to 20 Feb 2021)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	35	0	326	2
CCHF	6	0	6	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Dog bites/Suspected Rabies	2	0	12	0
COVID-19	1	1	55617	2432
Novel influenza(H5N8)	1	0	5	0
Tick bite	1	0	9	0
Chickenpox	1	0	9	0

Gas (CO) Poisoning	1	0	18	0
Grand Total	54	1	56079	2435

Laboratory surveillance:

A total of 10,646 specimens were collected and shipped to CPHL. Out of which 103 specimens were confirmed for COVID 19.

Influenza Surveillance activities:

In Epidemiological week 7th, 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, 281 (7%) Severe Acute Respiratory Infections cases were reported and 70% of them were under 5 years old. The proportion of SARI cases was same as compared to week 6th 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 (57%), Kabul (31%) and Paktya (13%). In this epidemiological week, our field staff send 56 SARI and 41 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 10,646 specimens were tested for suspected COVID-19. Out of which 103 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine,

Out of 332 contacts of 09 positive cases which were mostly family members with an average of 37 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 360,098 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).

Challenges:

- In the recent weeks, the Measles outbreaks and sporadic cases are increased compared to last year
- Inadequate lab sample collection for COVID-19 cases from the districts, as currently majority of the samples are collected from the cities, this issue unable the surveillance system to present the real situation

Recommendations:

- EPI teams and the BPHS/EPHS 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)
- **EPI:** As the system detected 617 suspected Measles 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.