



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-10th

Date: 07 to 13 March 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 481(93.7%) have submitted reports this week.
- A total of 453,761 new consultations, 170,448 (37.6%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 111,353 cases, 24.5% out of total new consultations, Pneumonia, 24,201 cases, 5.3% out of total new consultations and Acute Diarrheal Diseases, 32,309 cases, 7.2% out of total new consultations.
- A total of 236 deaths were reported this week, of which 41 were due to Surveillance targeted diseases, which includes 31 Pneumonia deaths, 04 Meningitis deaths, 03 Pregnancy related deaths and 03 Measles deaths.
- A total of 12 outbreaks reported this week; of which 07 Measles outbreaks reported from Ghazni, Paktika, Khost, Paktya, Logar and Helmand provinces, 03 Dog bite/suspected Rabies outbreaks reported from Paktika, Parwan and Herat provinces, 02 CCHF cases reported from Kunduz and Kabul provinces, also 117 COVID-19 confirmed cases reported countrywide.

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

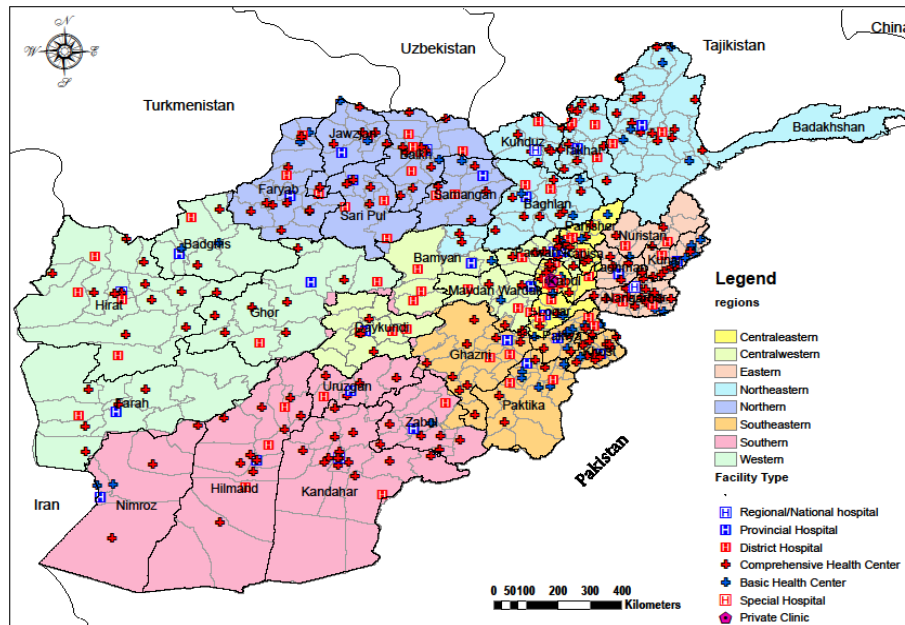


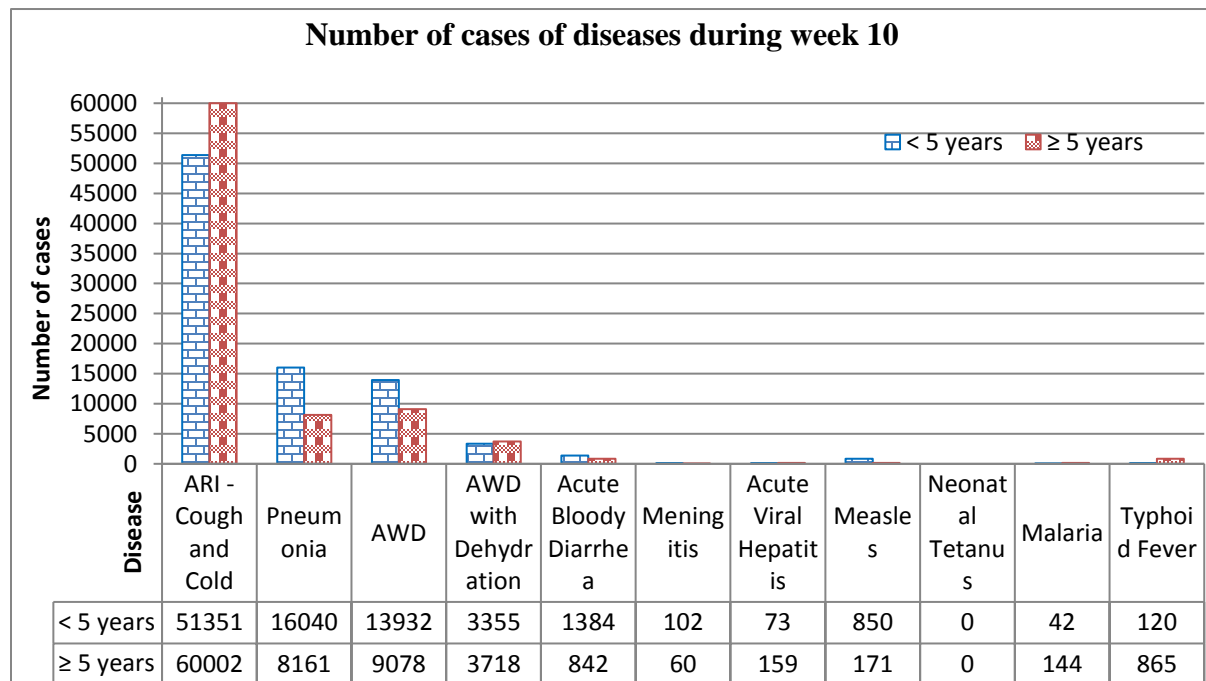
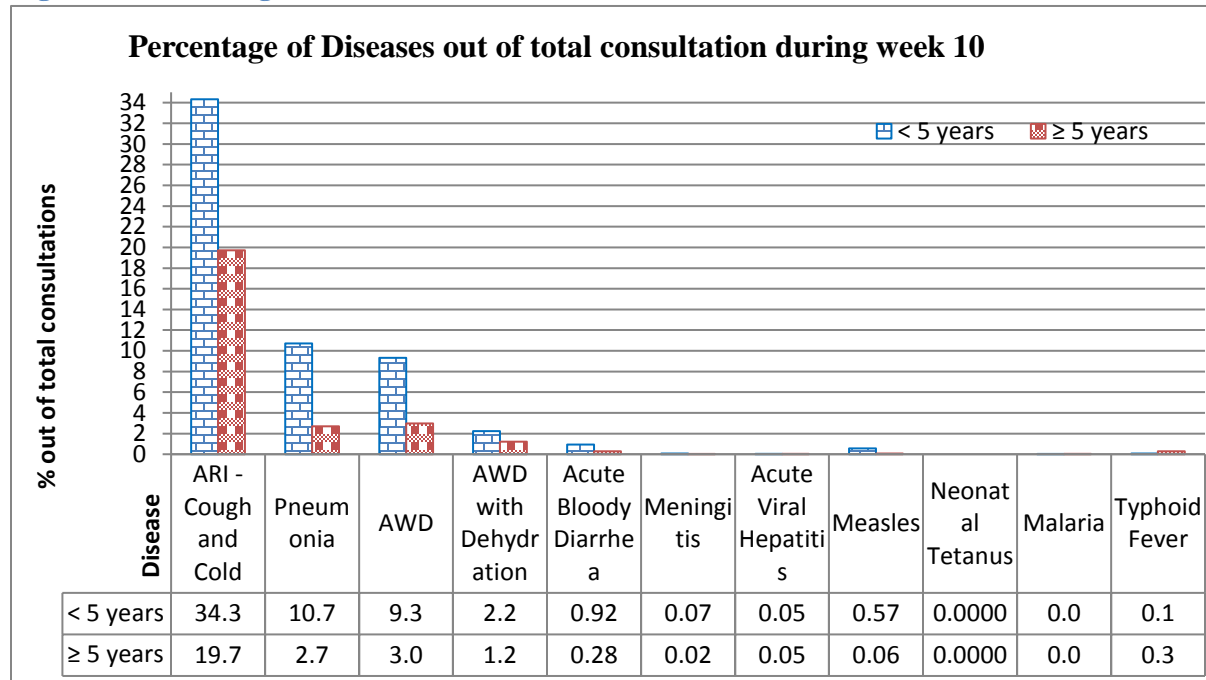
Table 1: Coverage of NDSR Surveillance System

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

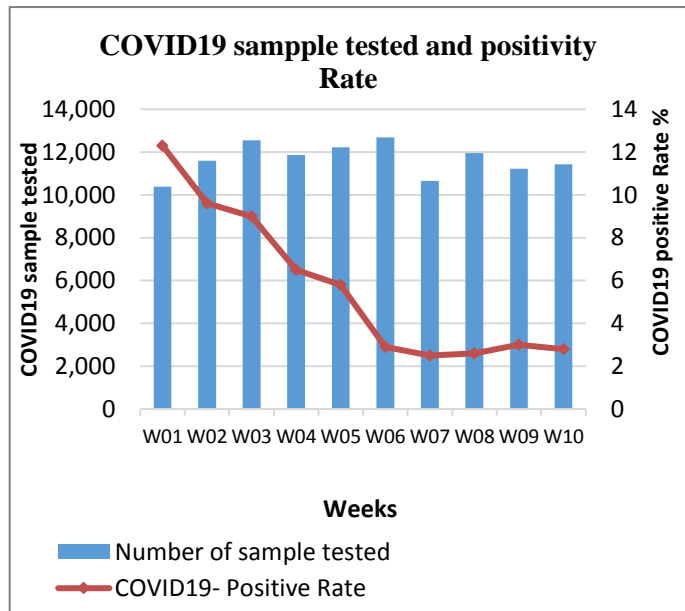
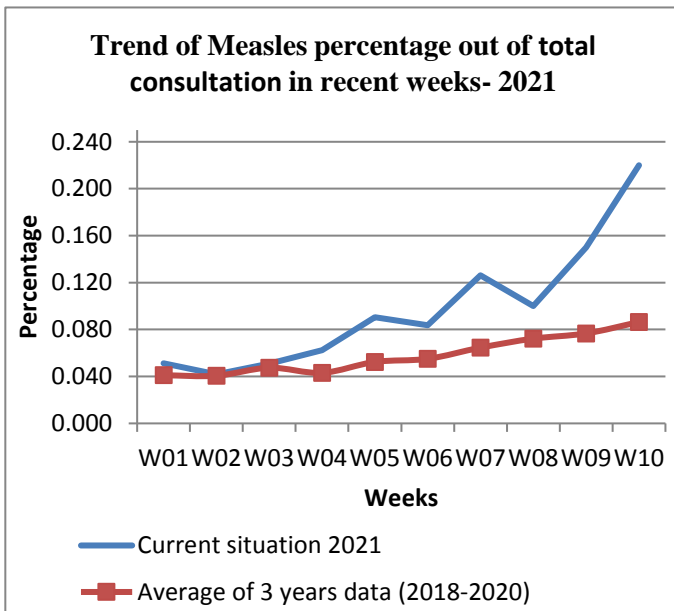
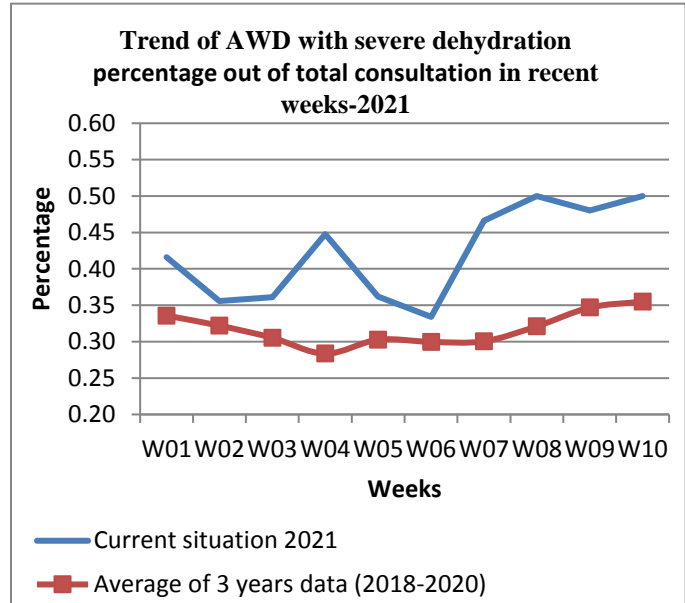
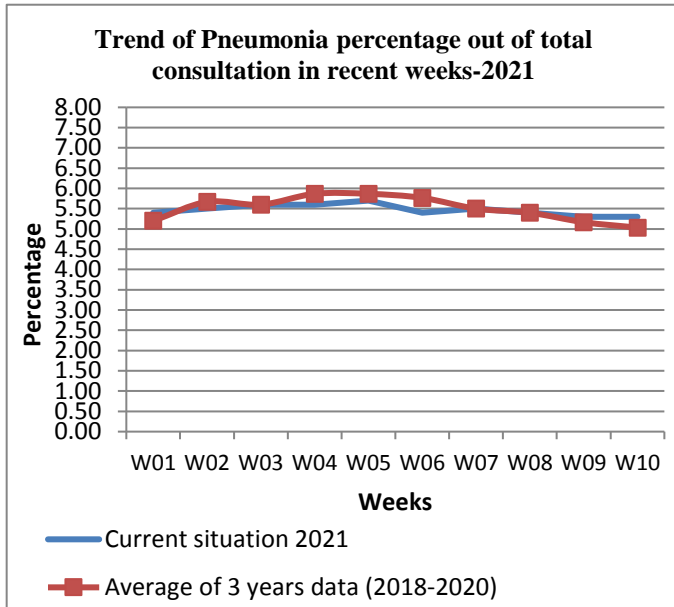


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 10th 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	850	171	1021	3	0	3	0.3
Pertussis	2	0	2	0	0	0	0.0

Seasonal Diseases:



During week 10th total of (12) 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 Mar 2021	Ghazni	Qala	Minawal	14	09	23	0	50%	In this week 07 Measles outbreaks were reported from Ghazni, Paktika, Khost, Paktya, Logar and Helmand 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.
07 Mar 2021	Paktika	Sharan	Kotwal	06	0	06	0	40%	
08 Mar 2021	Khost	Matoon	Shamoni	04	03	07	0	50%	
08 Mar 2021	Paktya	Gardiz	Mominkhil	10	07	17	0	30%	
13 Mar 2021	Khost	Tani	Dragi	05	02	07	0	55%	
06 Mar 2021	Logar	Pule alam	Kaji	05	03	08	0	40%	
08 Mar 2021	Helmand	Nahreseraj	Gul Moh Madrasah	07	03	10	0	0%	
Suspected CCHF cases									
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take	
04 Mar 2021	Kundoz	Emam sahib	Qala azad	1	0	36	Jobless	During this week 02 suspected CCHF cases were reported from Kabul 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	
08 Mar 2021	Kabul	District 08	Karte now	1	0	23	Butcher		
Suspected Dog bite/sus. Rabies Outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
05 Mar 2021	Paktika	Zerok	Sherni	6	0	In this week 03 Dog bite/suspected Rabies outbreaks were reported from Paktika, Parwan and Herat provinces, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well.			
12 Mar 2021	Parwan	Charikar	Parcha 12	3	0				
08 Mar 2021	Herat	Injil	Qala dasht	7	0				

Figure 3: Outbreaks investigated during the week 10th, 2021

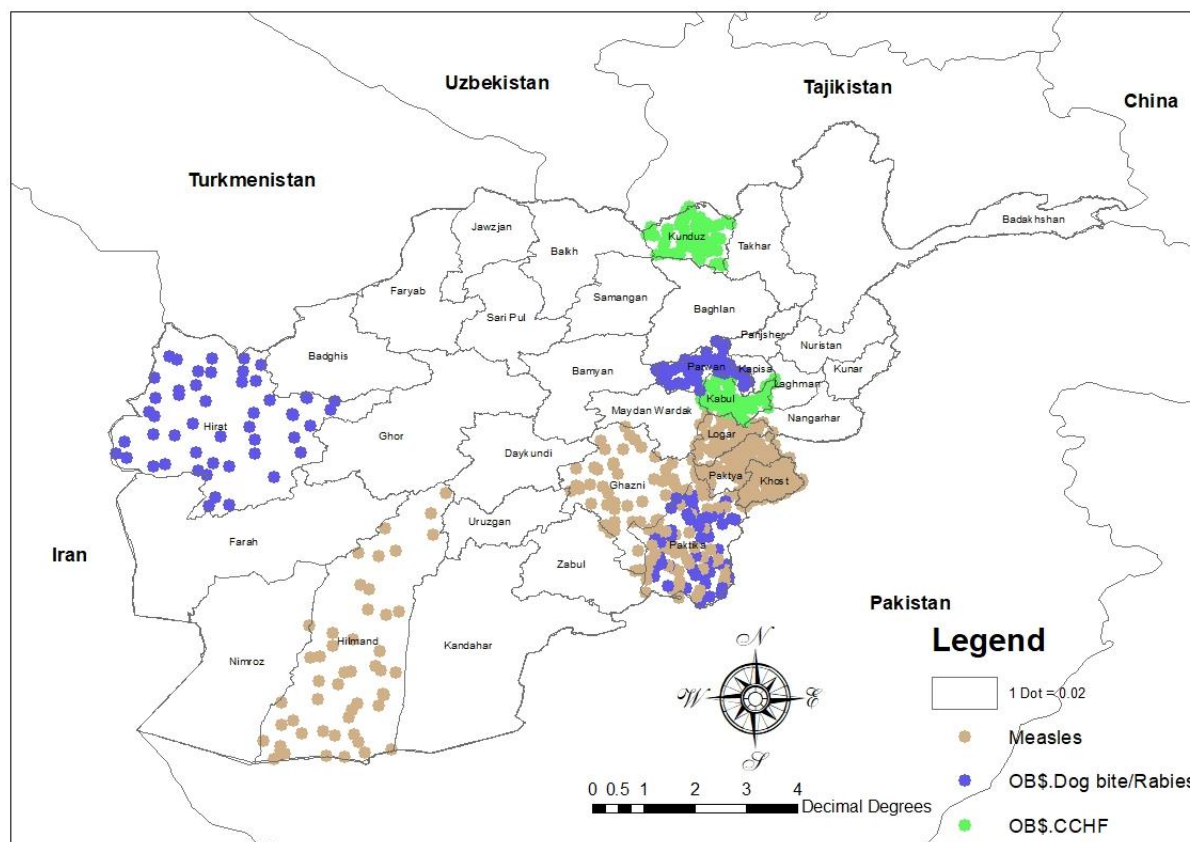


Table 2: Updates on the outbreaks reported during 2020 (27 Dec 2020 to 13 March 2021)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	50	0	501	16
CCHF	8	0	8	0
Dog bites/Suspected Rabies	5	0	28	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
COVID-19	1	1	55962	2459
Novel influenza(H5N8)	1	0	5	0
Tick bite	1	0	9	0
Chickenpox	1	0	9	0
Unknown poisoning	1	0	12	3
Gas (CO) Poisoning	1	0	18	0
Grand Total	75	1	56629	2479

Laboratory surveillance:

A total of 11,436 specimens were collected and shipped to CPHL. Out of which 117 specimens were confirmed for COVID 19.

Influenza Surveillance activities:

In Epidemiological week 10th, 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, 220 (6%) Severe Acute Respiratory Infections cases were reported and 75% of them were under 5 years old. The proportion of SARI cases was decreased as compared to week 9th 2021. Seven 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 (40%), Kabul (25%) and Paktya (9%). In this epidemiological week, our field staff send 54 SARI and 36 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 11,436 specimens were tested for suspected COVID-19. Out of which 117 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine,

Out of 333 contacts of 16 positive cases which were mostly family members with an average of 21 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 345,331 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:

- A small increase of COVID-19 cases reported in east and south regions of the country, also in Pakistan since couple of weeks COVID-19 cases increased, as the people in east and south parts of country have more travel and trade with Pakistan, so the increasing of COVID-19 cases in the said two regions of the country can be linked with increased of COVID-19 cases in Pakistan
- COVID-19 new variant testing facility is not available in the country yet.
- Measles outbreaks and sporadic cases are in the increasing trend compared to last year

Recommendations:

- 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 to Pakistan, lab samples should be collected and home quarantine should be recommended up to sharing the lab result.
- MoPH diagnostic directorate and CPHL is kindly requested to provide the testing facility for COVID-19 new variant in the country
- EPI teams and the BPHS/EPHS implementer NGOs are requested to strengthen the preventive and control measures for Measles outbreaks and sporadic cases.
- **EPI:** As the system detected 1099 suspected Measles cases, 3 deaths due to measles, and 02 suspected Pertussis 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.