

National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–09th

Date: 28 Feb to 06 Mar 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 475(92.5%) have submitted reports this week.
- A total of 464,366 new consultations, 175,818 (37.9%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 116,664 cases, 25.1% out of total new consultations, Pneumonia, 24,433 cases, 5.3% out of total new consultations and Acute Diarrheal Diseases, 32,386 cases, 7% out of total new consultations.
- A total of 216 deaths were reported this week, of which 59 were due to Surveillance targeted diseases, which includes 50 Pneumonia deaths, 04 Meningitis deaths, 02 Pregnancy related deaths, one Acute Viral Hepatitis death, one Acute Watery Diarrhea with Dehydration death and one Measles death.
- A total of 07 outbreaks reported this week; of which 06 Measles outbreaks reported from Paktika, Ghazni, Kapisa, Nangarhar and Nuristan provinces, and one Unknown poisoning outbreak reported from Nangarhar province, also 112 COVID-19 confirmed cases reported countrywide.

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

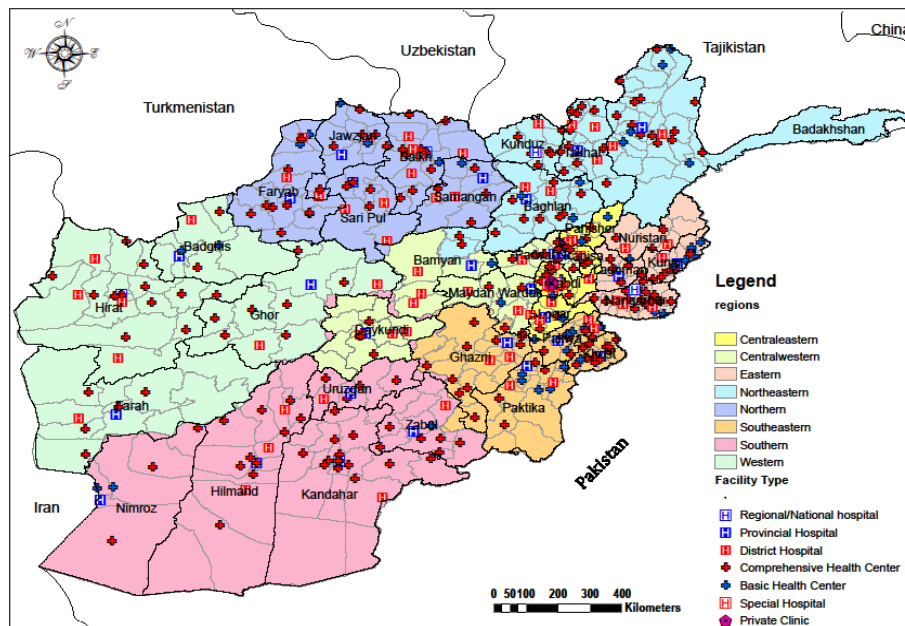


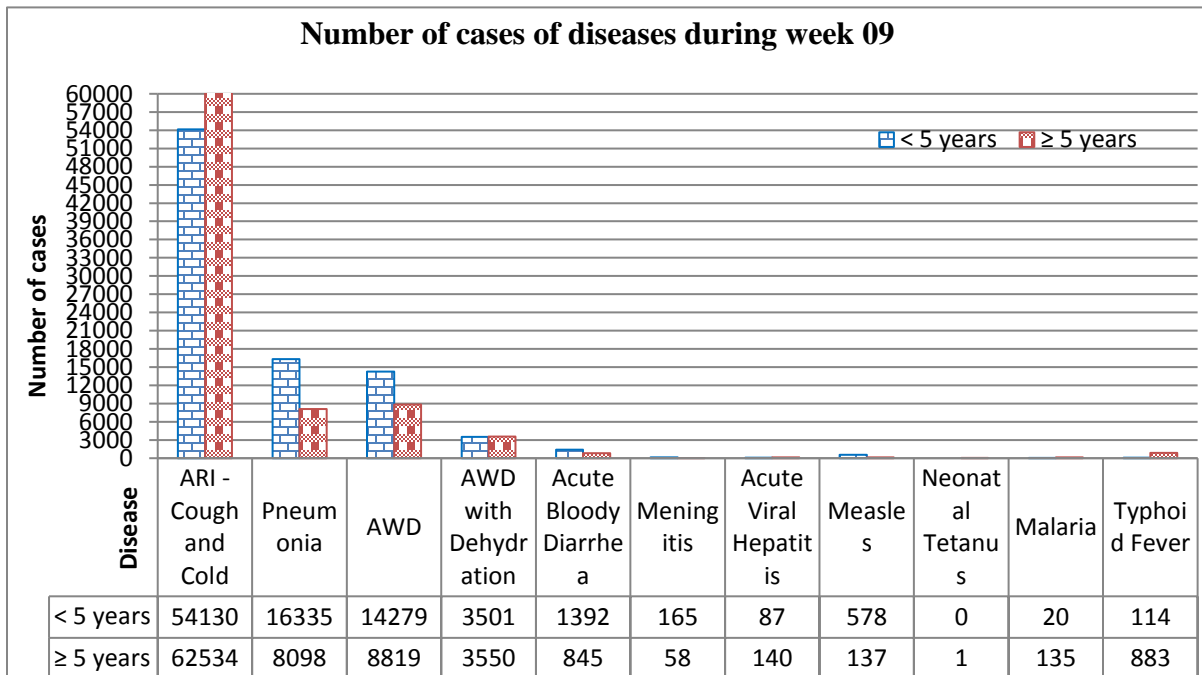
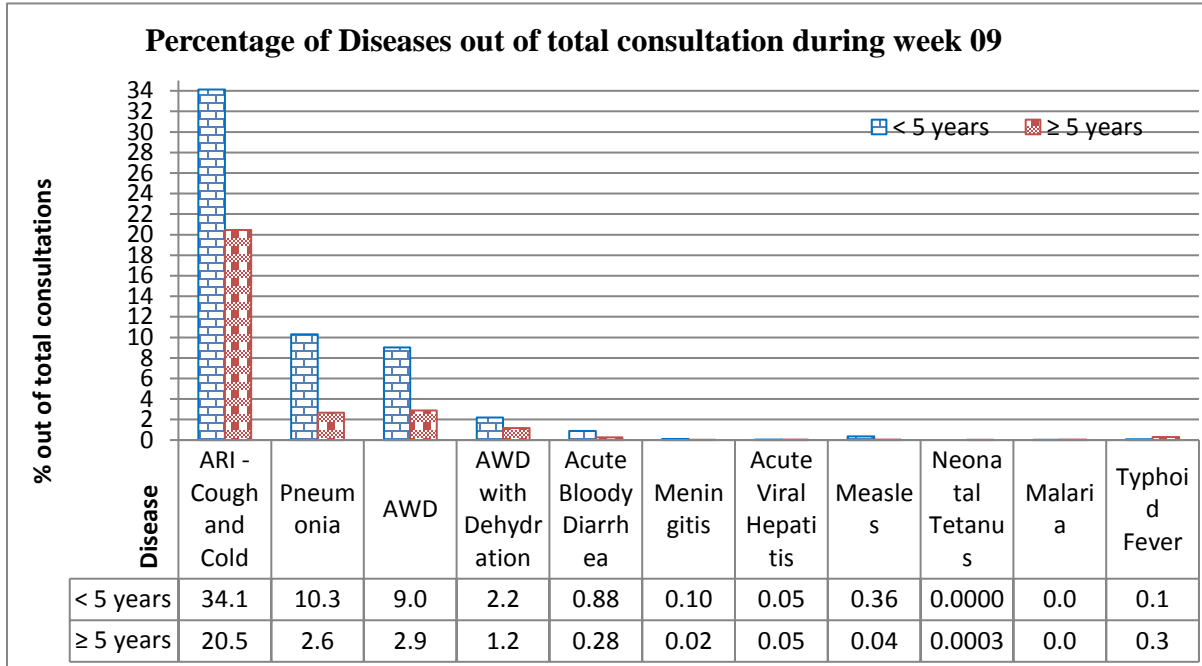
Table 1: Coverage of NDSR Surveillance System

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

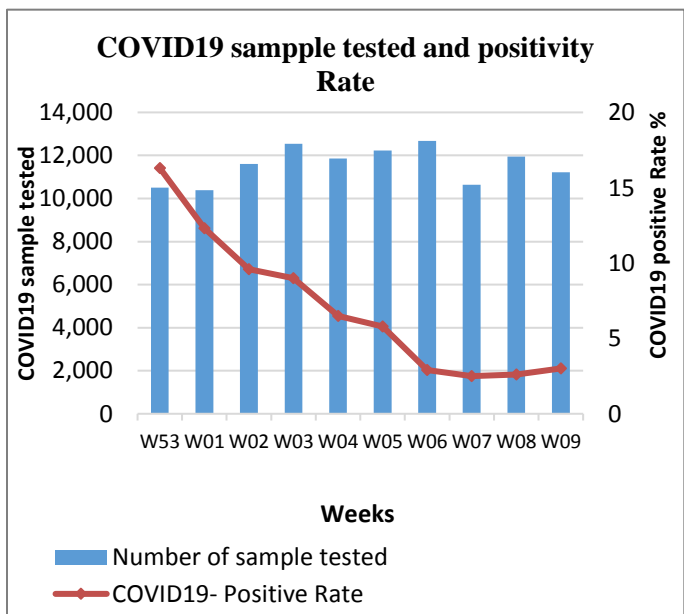
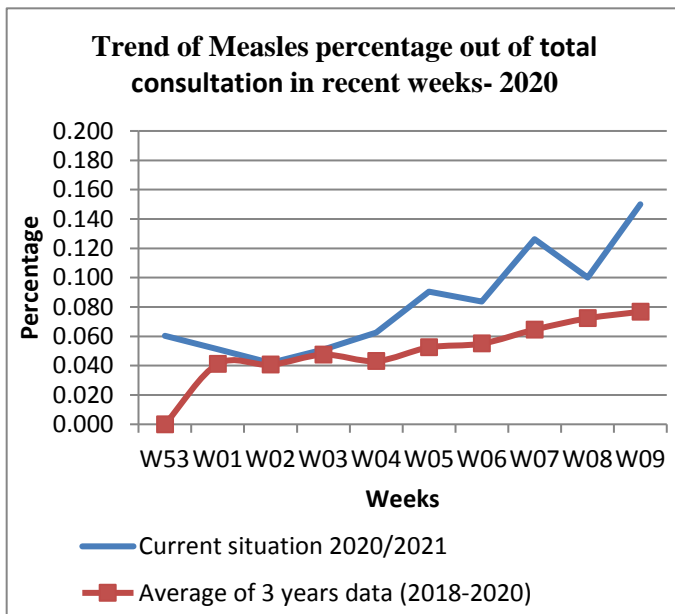
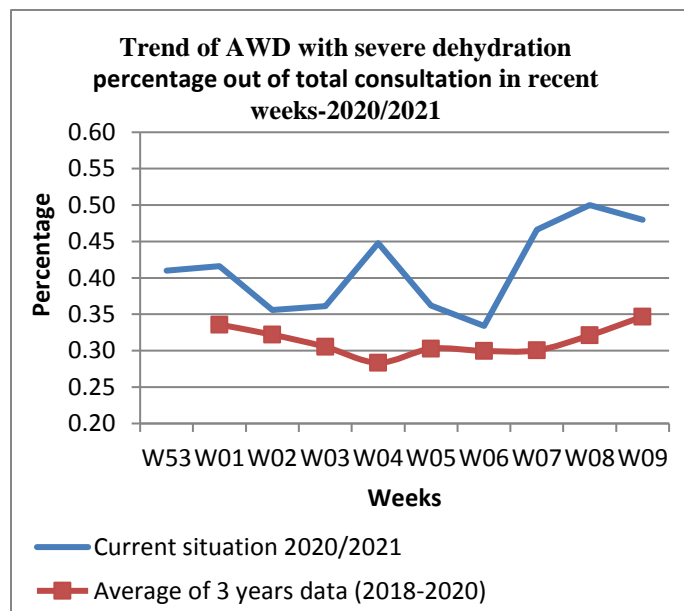
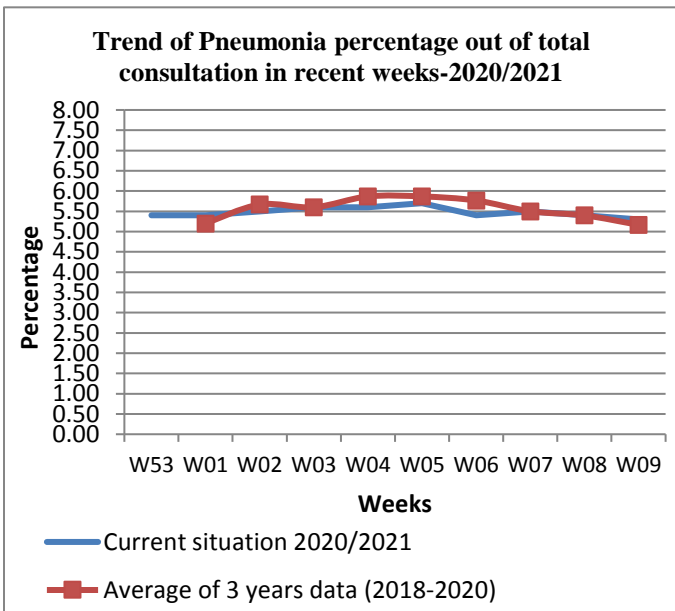


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 09th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	578	137	715	1	0	1	0.1
Pertussis	1	2	3	0	0	0	0.0
Diphtheria	1	0	1	0	0	0	0.0
Tetanus	0	1	1	0	0	0	0.0

Seasonal Diseases:



During week 09th total of (07) 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
28 Feb 2021	Paktika	Khairkot	Khairlindi	3	3	6	0	34%	In this week 06 Measles outbreaks reported from Paktika, Ghazni, Kapisa, Nangarhar and Nuristan provinces with 14 deaths. 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.
01 Mar 2021	Ghazni	Center	Laram Gudam	16	6	19	0	50%	
02 Mar 2021	Paktika	Sorubi	Zama	4	1	5	0	50%	
05 Mar 2021	Kapisa	Center	Qurotak	1	4	5	0	75%	
02 Mar 2021	Nangarhar	Goshta	Warsak	4	3	7	0	80%	
29 Feb 2021	Nuristan	Kamdish	Kamo/Saret	30	4	34	14	0%	
Suspected Unknow Poisoning Outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
03 Mar 2021	Nangarhar	Rodat	Akhund	12	3	In this week one unknown poisoning outbreak was reported from Akhund village, Rodat district of Nangarhar province, the poisoning outbreak was happened after eating breakfast by a family with 12 members, 3 cases were died, the outbreak was investigated, case management was done for all the cases, and health education session was conducted, lab samples from the consumed food, blood, and gastric lavages were collected and shipped to forensic medical lab, the result is still not shared.			

Figure 3: Outbreaks investigated during the week 09th, 2021

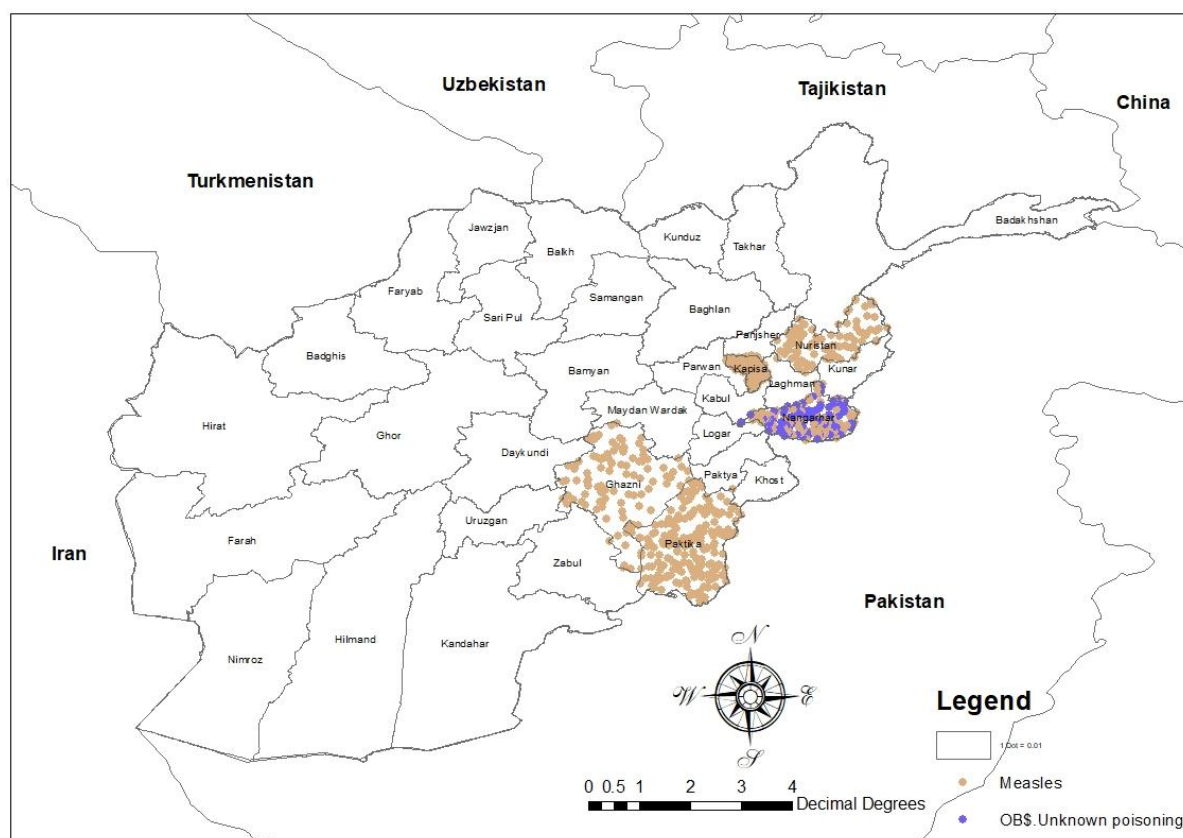


Table 2: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 06 March 2021)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	43	0	423	16
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	55845	2451
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	63	1	56416	2471

Laboratory surveillance:

A total of 11,218 specimens were collected and shipped to CPHL. Out of which 112 specimens were confirmed for COVID 19.

Influenza Surveillance activities:

In Epidemiological week 9th, 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, 274 (7%) Severe Acute Respiratory Infections cases were reported and 72% of them were under 5 years old. The proportion of SARI cases was same as compared to week 8th 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 (54%), Kabul (26%) and Paktya (10%). In this epidemiological week, our field staff send 60 SARI and 38 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 11,218 specimens were tested for suspected COVID-19. Out of which 112 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine,

Out of 260 contacts of 18 positive cases which were mostly family members with an average of 14 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 383,266 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:

- A small increase of COVID-19 cases reported in east region of the country, also in Pakistan during this week COVID-19 cases increased, as the people in east part of country have more travel and trade with Pakistan, so the increasing of COVID-19 cases in the east part of country can be linked with increased of cases in Pakistan
- Measles outbreaks and sporadic cases are increased compared to last year

Recommendations:

- In the east region of the country the contact tracing 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.
- 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 791 suspected Measles cases, three Pertussis, one Diphtheria and one Tetanus case, 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.