



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-02nd

Date: 10 to 16 Jan 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 472(92.2%) have submitted reports this week.
- A total of 458,866 new consultations, 176,599 (38.5%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 123,850 cases, 27% out of total new consultations, Pneumonia, 25,276 cases, 5.5% out of total new consultations and Acute Diarrheal Diseases, 25,758 cases, 5.7% out of total new consultations.
- A total of 318 deaths were reported this week, of which 70 were due to Surveillance targeted diseases, which includes 65 Pneumonia deaths, 02 Meningitis deaths one Pregnancy related death, one Acute Viral Hepatitis death and one Tetanus death.
- A total of 03 outbreaks reported this week; of which one Measles outbreaks reported from Farah, province, one Tick bite outbreak reported Herat province, one clinical Scabies outbreak reported from Kapisa province, also 520 COVID-19 confirmed cases reported from all the provinces.

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

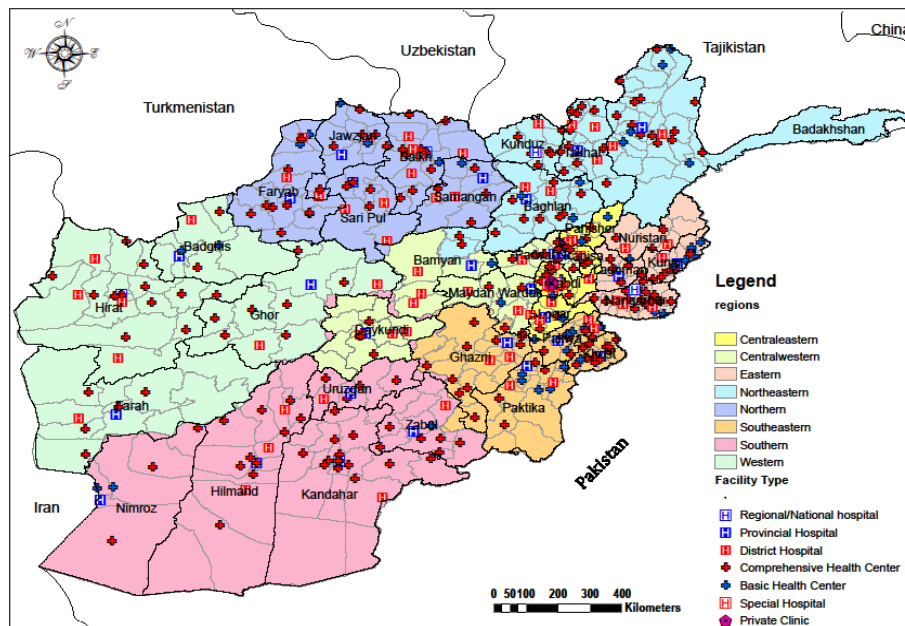


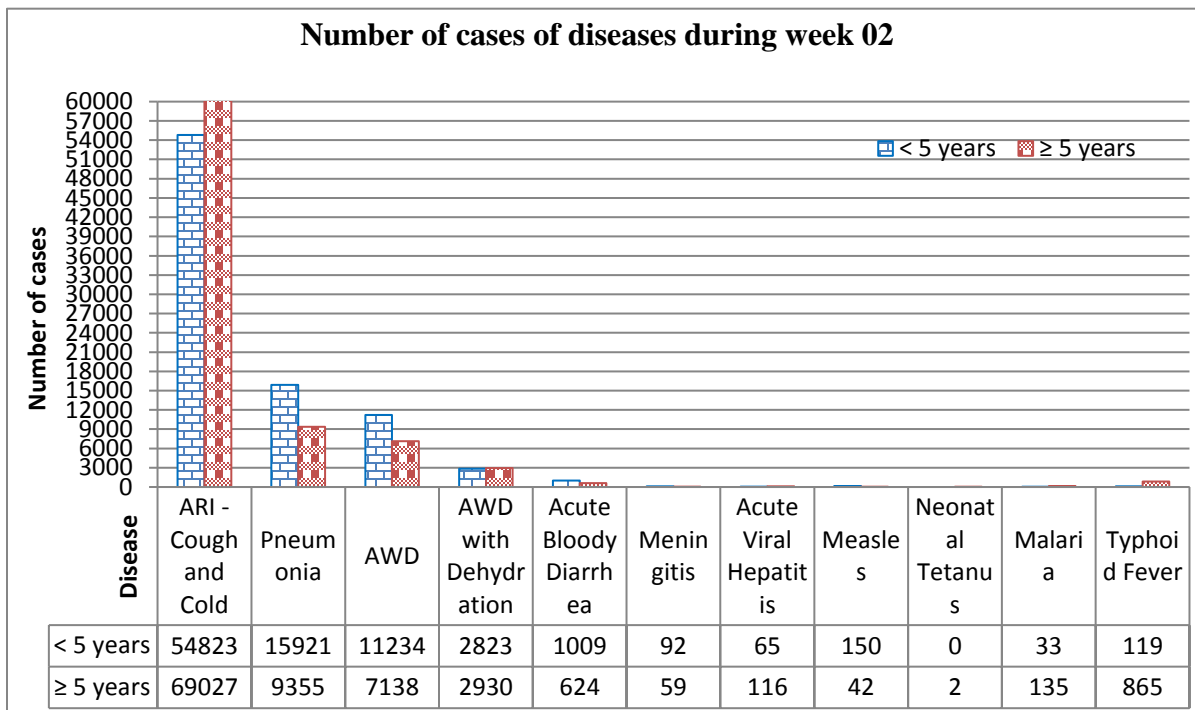
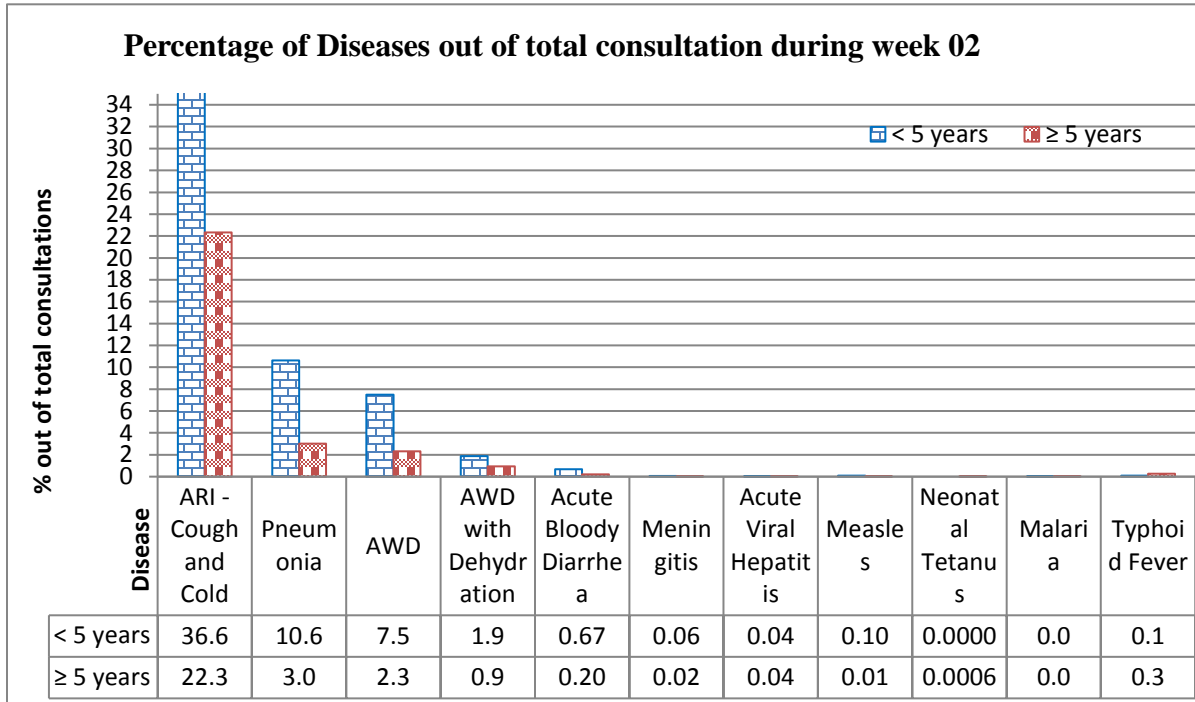
Table 1: Coverage of NDSR Surveillance System

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

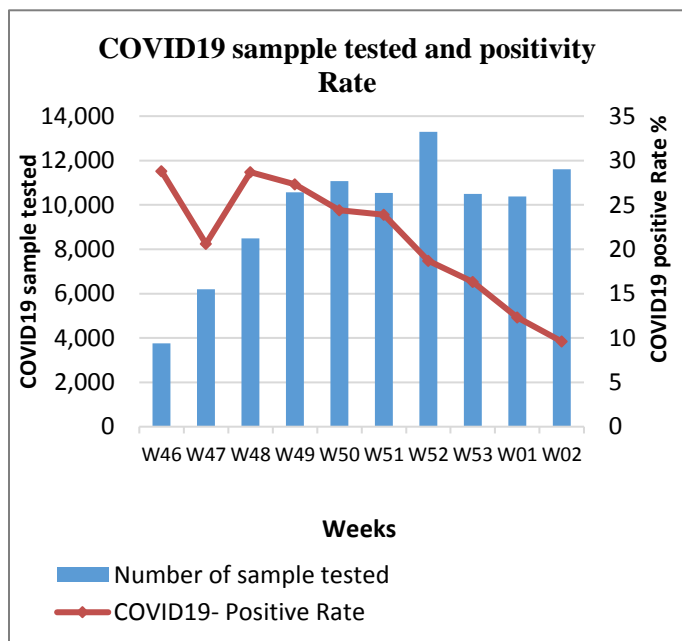
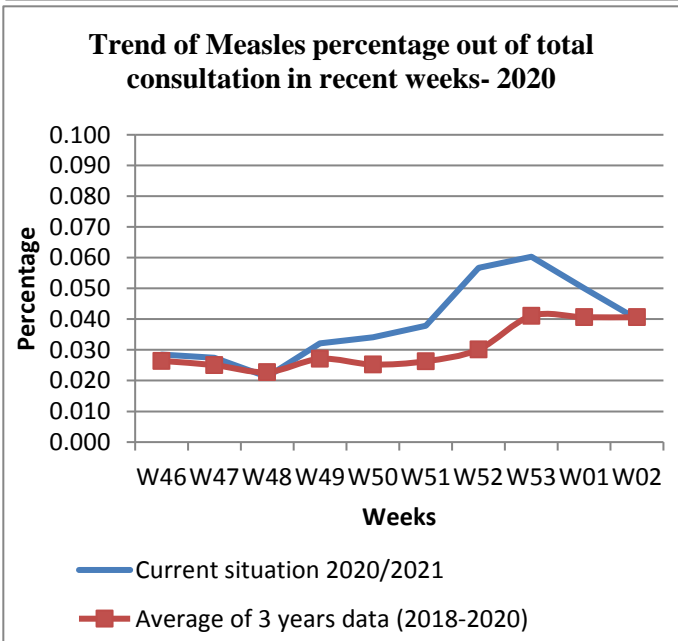
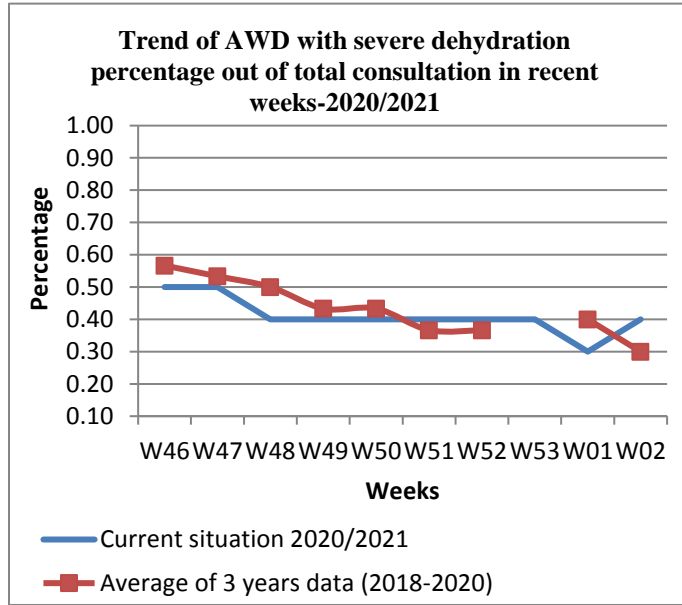
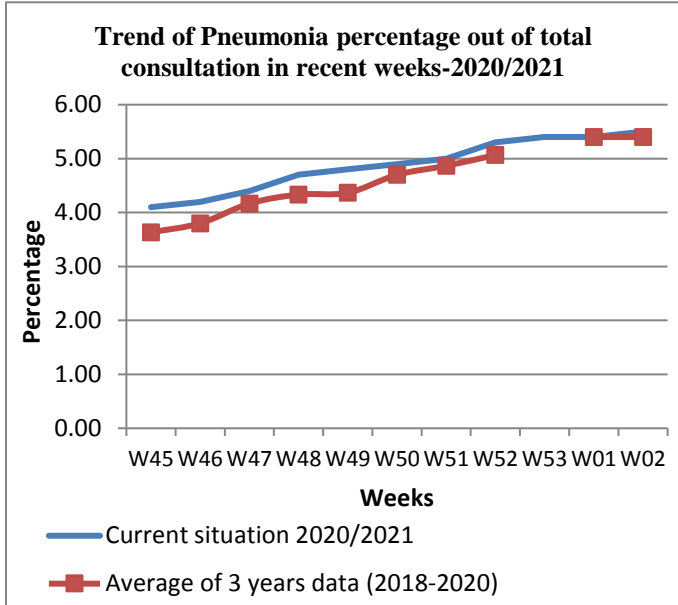


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 02nd, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	150	42	192	0	0	0	0.0
Diphtheria	4	22	26	0	0	0	0.0
Tetanus	0	2	2	0	1	1	50.00

Seasonal Diseases:



During week 02nd total of (3) 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 %	Vaccination	Recommendation/Action take
14 Jan 2021	Farah	Center	Khair Abad	8	6	18	0	50%	NA	In this week one Measles outbreak was reported from Farah province. The cases were investigated, 18 suspected measles cases were detected, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education session was conducted.
Suspected Tick bite Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
14 Jan 2021	Hirat	Kushan	Mir Hakim	9	0	In this week one Tick bite outbreak was reported from Herat province, the outbreak was investigated, 9 suspected cases were detected, case management was done for all the cases, and health education session was conducted.				
Suspected Scabies Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
11 Jan 2021	Kapisa	Center	Now abad	5	0	In this week one suspected Scabies outbreak was reported from Kapisa province, the outbreak was investigated, 05 Suspected Scabies cases were detected, case management was done for all the cases, and health education session was conducted as well.				

Figure 3: Outbreaks investigated during the week 02nd, 2020

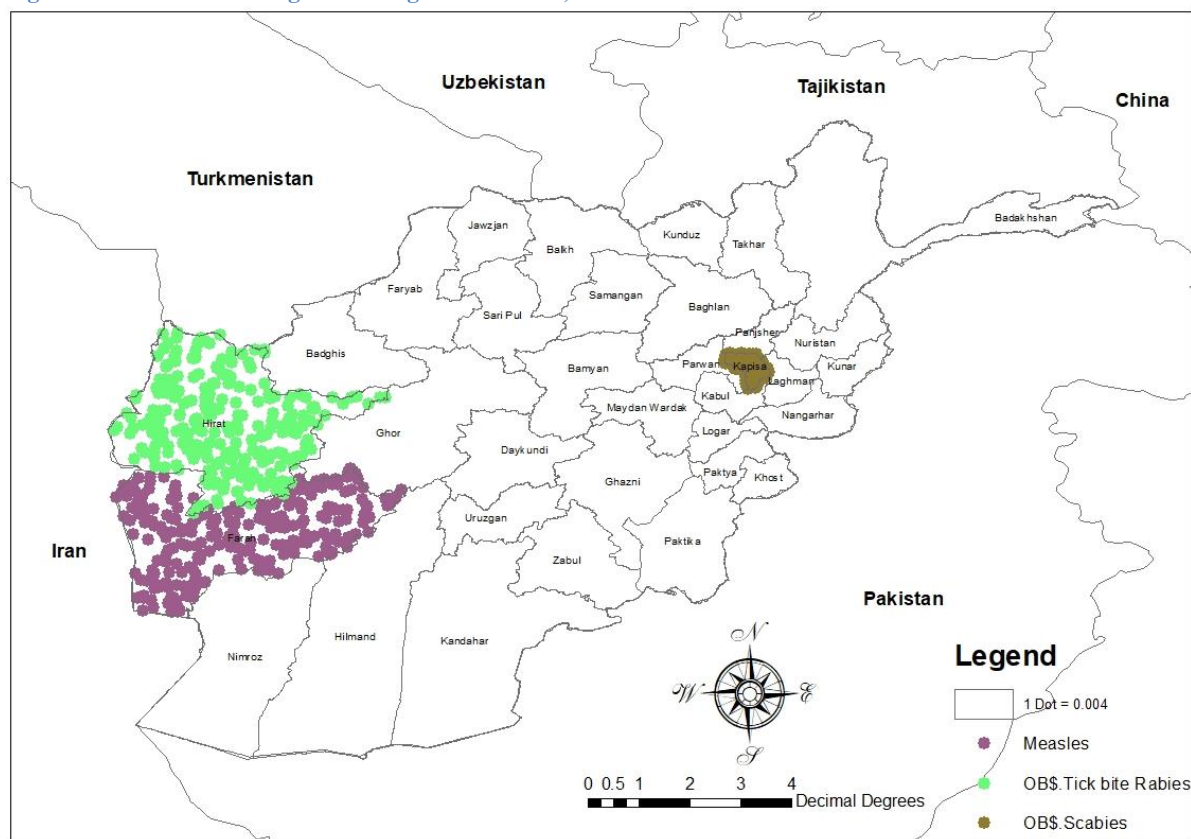


Table 2: Updates on the outbreaks reported during 2020 (27 Dec 2020 to 16 Jan 2021)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	6	0	65	1
COVID-19	1	1	43617	1787
Tick bite	1	0	9	0
Dog bites/Suspected Rabies	1	0	6	0
Scabies	1	0	5	0
Gas (CO) Poisoning	1	0	18	0
Grand Total	11	1	43720	1788

Laboratory surveillance:

A total of 11,605 specimens were collected and shipped to CPHL. Out of which 520 specimens were confirmed for COVID 19.

Influenza Surveillance activities:

In Epidemiological week 2nd, 2021, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyán, Baghlan, Nangarhar, and Paktya). Out of all new hospital admission, 311(9%) Severe Acute Respiratory Infections cases were reported and 59% of them were under 5

years old. The proportion of SARI cases were increased as compared to week 1st, 2021. Ten 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 (65%), Kabul (43%) and Paktya(18%). In this Epidemiological week, our field staff sent 87 SARI and 90 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 11,599 specimens were tested for suspected COVID-19. Out of which 520 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine,

Out of 2,993 contacts of 181 positive cases which were mostly family members with an average of 16 contacts per case, 611 Contacts were included in contact tracing process. 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 353,706 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:

- Under-reporting of COVID-19 clinical cases from public and private HFs
- No lab sample collection system for COVID-19 cases from the districts, as currently all the samples are collected from the cities, this made us unable to present the real situation
- Poor follow-up for contacts of the lab confirmed cases for early detection of COVID-19 cases by the BPHS implementer NGOs

Recommendations:

- COVID-19 clinical cases reporting should be strengthened in all public and private health facilities
- COVID-19 lab samples should be collected from all districts (all PHs, DHs and district centers should collect the lab samples)
- Contact tracing from all contacts of the lab confirmed cases should be conducted by the BPHS implementer NGOs
- **EPI:** As the system detected 192 suspected Measles, 26 Diphtheria and 02 Tetanus 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.