



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-01st

Date: 03 to 09 Jan 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 473(92.2%) have submitted reports this week.
- A total of 431,994 new consultations, 164,497 (38.1%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 114,219 cases, 26.4% out of total new consultations, Pneumonia, 23,397 cases, 5.4% out of total new consultations and Acute Diarrheal Diseases, 25,260 cases, 5.8% out of total new consultations.
- A total of 285 deaths were reported this week, of which 60 were due to Surveillance targeted diseases, which includes 52 Pneumonia deaths, 06 Pregnancy related deaths, 01 Meningitis deaths and 01 Acute Viral Hepatitis death.
- A total of 07 outbreaks reported this week; of which 05 Measles outbreaks reported from Herat, Kandahar, Nuristan, Paktya and Zabul provinces, one Dog bite/suspected Rabies outbreak reported from Wardak province and one Gas Poisoning outbreak reported from Parwan province, also 619 COVID-19 confirmed cases reported from all the provinces.

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

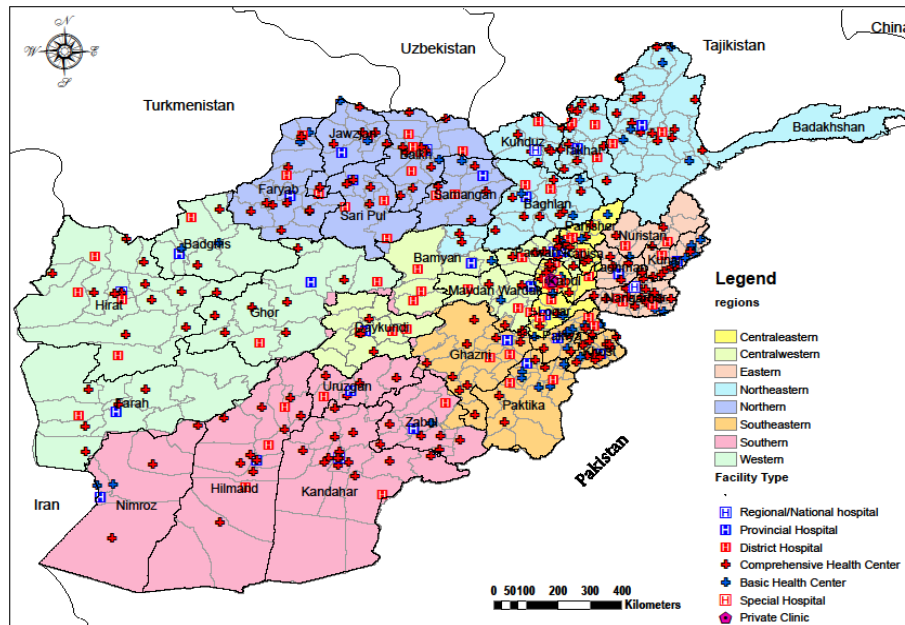


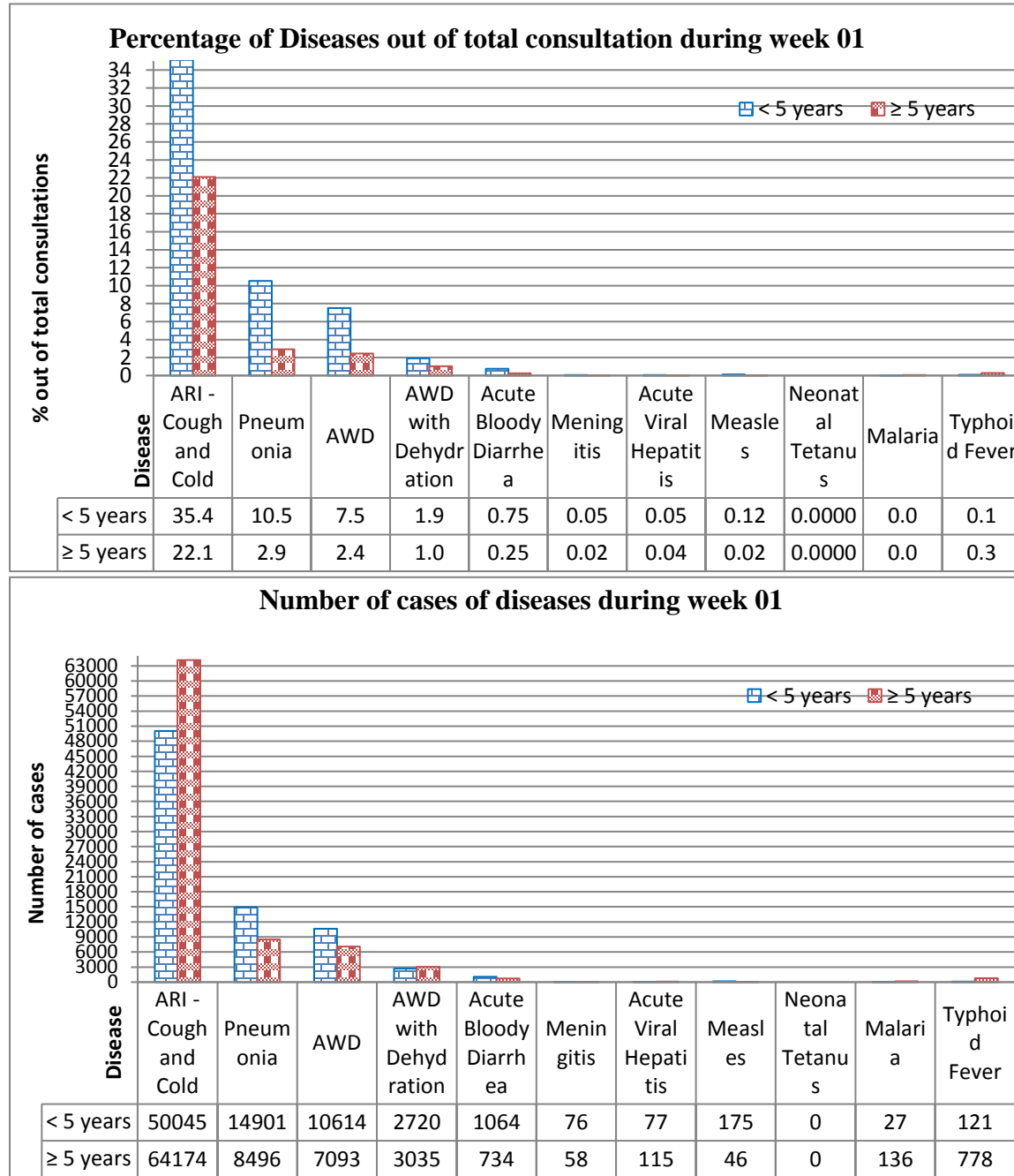
Table 1: Coverage of NDSR Surveillance System

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

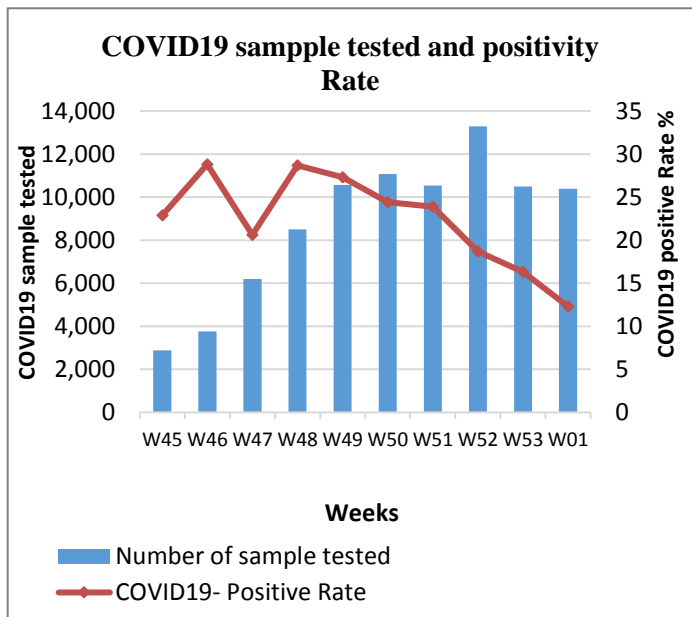
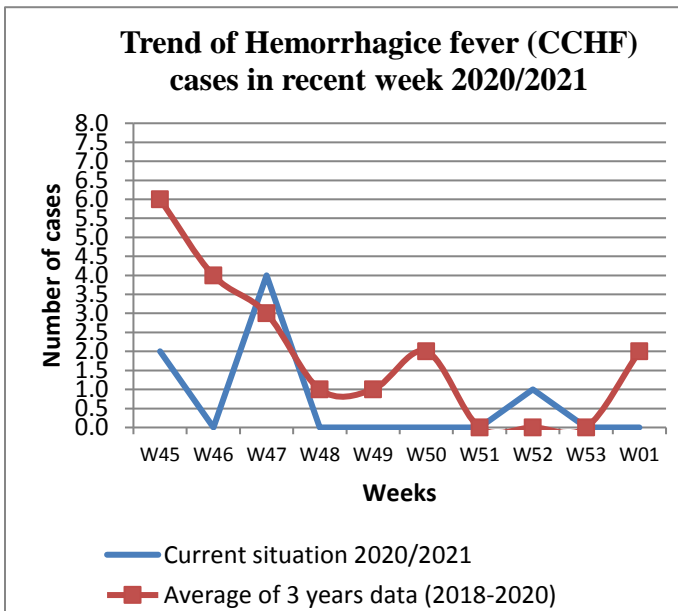
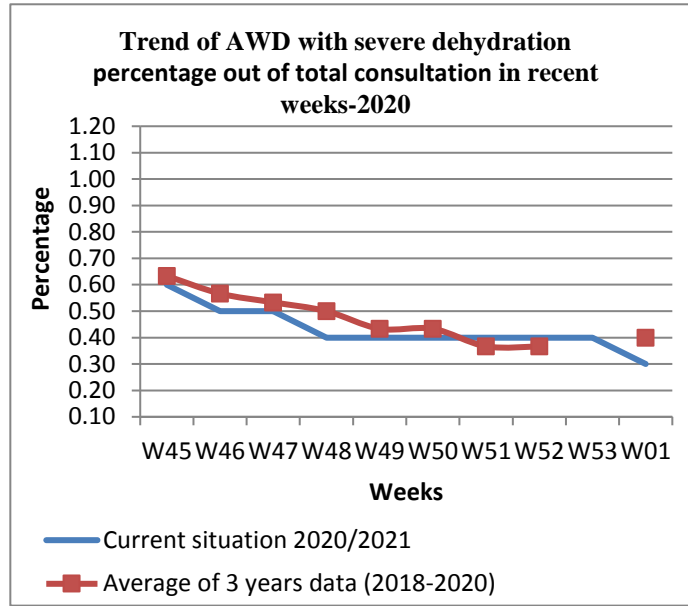
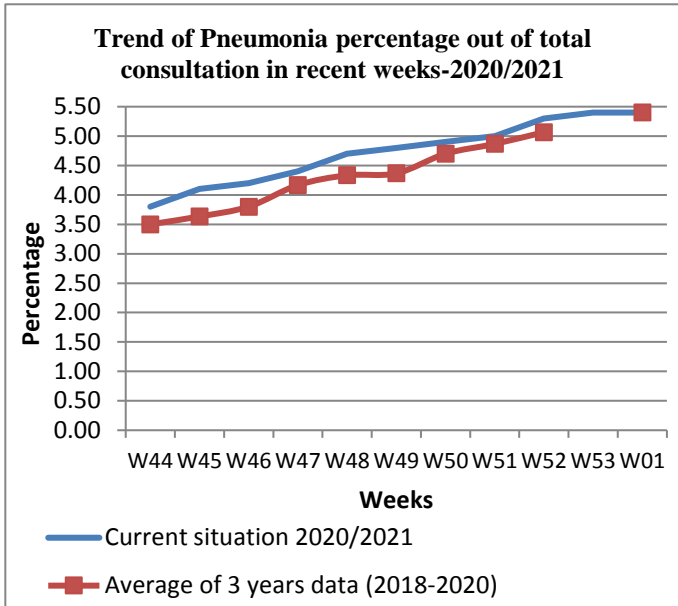


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 01st, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	175	46	221	0	0	0	0.0

Seasonal Diseases:



During week 01st total of (7) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Suspected Measles Outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
06 Jan 2021	Hirat	Injil	Kahdistan	4	1	5	0	75 %	NA	In this week 05 Measles outbreaks Were reported from Hirat, Nooristan, Kandahar, Zabul, and Paktia 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 session was conducted as well.
06 Jan 2021	Noorista	Waigal	Katar	9	0	9	1	25%	NA	
02 Jan 2021	Kandahar	City	Chowni	6	0	6	0	72%	NA	
03 Jan 2021	Zabul	Qalat	Momin	5	3	8	0	28%	NA	
03 Jan 2021	Paktia	Chamkani	Chamkani	18	5	23	0	30%	NA	

Dog bite/ Suspected Rabies Outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
01 Jan 2021	Wardak	Chak	Beksamand	6	0	In this week one Dog bite/suspected Rabies outbreak was reported from Wardak province, 06 human cases were reported, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.

Suspected Gas Poisoning Outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
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05 Jan 2021	Parwan	Siagerd	Zahid private course	18	0	In this week one suspected gaz poisoning outbreak was reported from Parwan province, 18 cases were reported, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.
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Figure 3: Outbreaks investigated during the week 01st, 2020

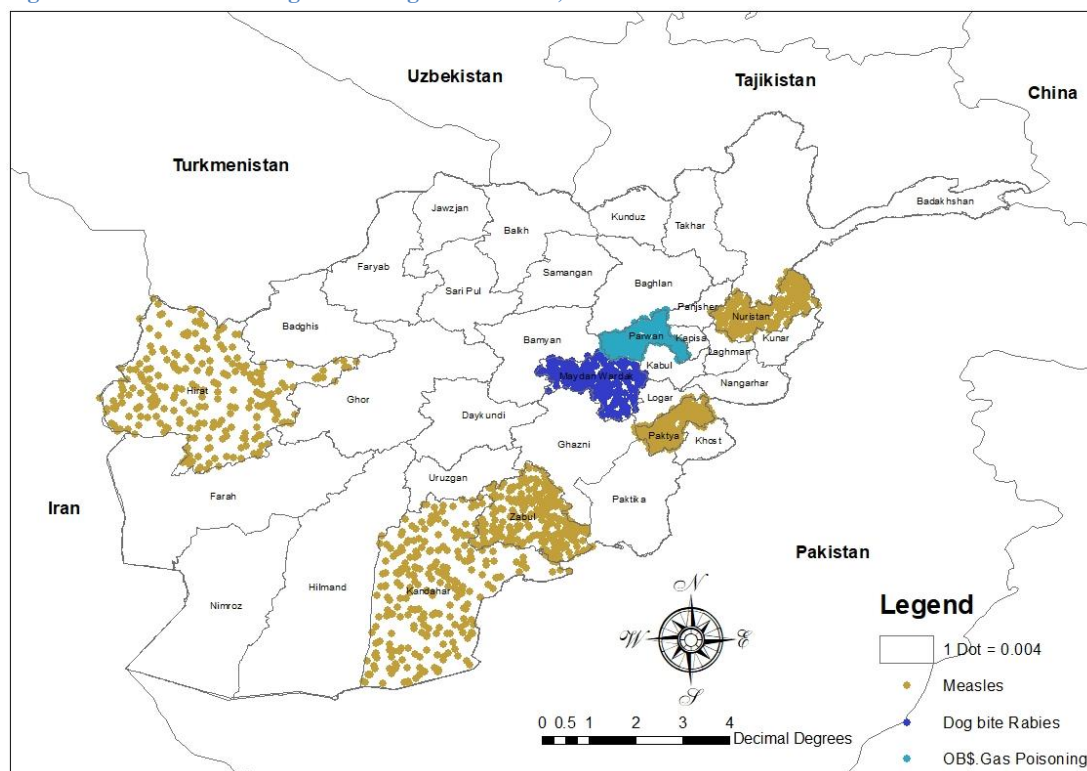


Table 2: Updates on the outbreaks reported during 2020 (27 Dec 2020 to 09 Jan 2021)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	5	0	51	1
COVID-19	1	0	43097	1732
Dog bites/Suspected Rabies	1	0	6	0
Gas (CO) Poisoning	1	0	18	0
Grand Total	8	0	43172	1733

Laboratory surveillance:

A total of 10,385 specimens were collected and shipped to CPHL. Out of which 619 specimens were confirmed for COVID 19.

Influenza Surveillance activities:

In Epidemiological week 1st, 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, 251(8%) Severe Acute Respiratory Infections cases were reported and 67% of them were under 5 years old. The proportion of SARI cases were the same as compared to week 53rd, 2020. Four 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 (39%), Kabul (32%) and Paktya(19%). In this Epidemiological week, our field staff sent 55 SARI and 42 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 10,385 specimens were tested for suspected COVID-19. Out of which 619 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine,

Out of 2,130 contacts of 563 positive cases which were mostly family members with an average of 4 contacts per case, 563 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 204,031 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:

- No lab sample collection system for COVID-19 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
- Low commitment for the reporting of all COVID-19 cases visited the HFs

Recommendations:

- 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 implemented by the BPHS implementer NGOs
- The payment for COVID-19 surveillance implementers should be based on the performance
- **EPI:** As the system detected 221 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.