



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report–19<sup>th</sup>

Date: 9 to 15 May 2021

### Summary:

- Out of 513 functional Surveillance sentinel sites, 461(90%) have submitted their reports this week.
- A total of 329,249 new consultations, 123,991 (37.7%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 66,993 cases (20.3 %) out of total new consultations, Pneumonia, 12,430 cases (3.8%) out of total new consultations and Acute Diarrheal Diseases 42,514 cases (13 %) out of total new consultations.
- A total of 207 deaths were reported this week, of which 39 were due to Surveillance targeted diseases, which includes 31 Pneumonia deaths, 01 Meningitis death, 04 Acute Diarrheal Diseases deaths, 02 Suspected Hemorrhagic Fever deaths and 01 suspected acute viral Hepatitis death.
- A total of 04 outbreaks reported this week; of which 01 Dog bites/suspected Rabies outbreak reported from Takhar province, and 03 CCHF cases reported from Herat province, also 1416 COVID-19 confirmed cases reported countrywide.

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

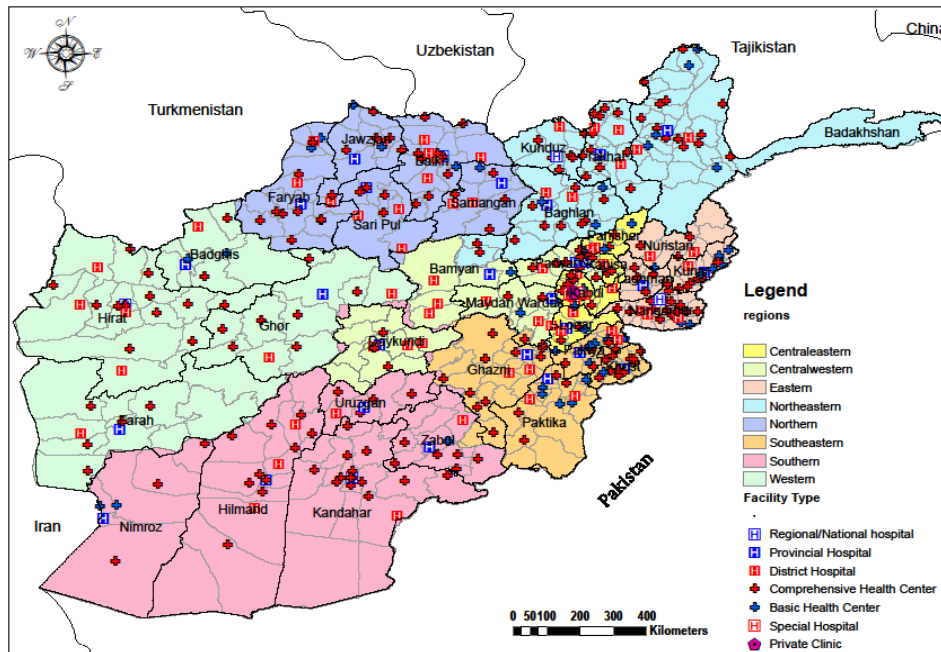


Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	2,643

HF covered by NDSR-Plus	32	77	389	12	3	513
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**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. 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):

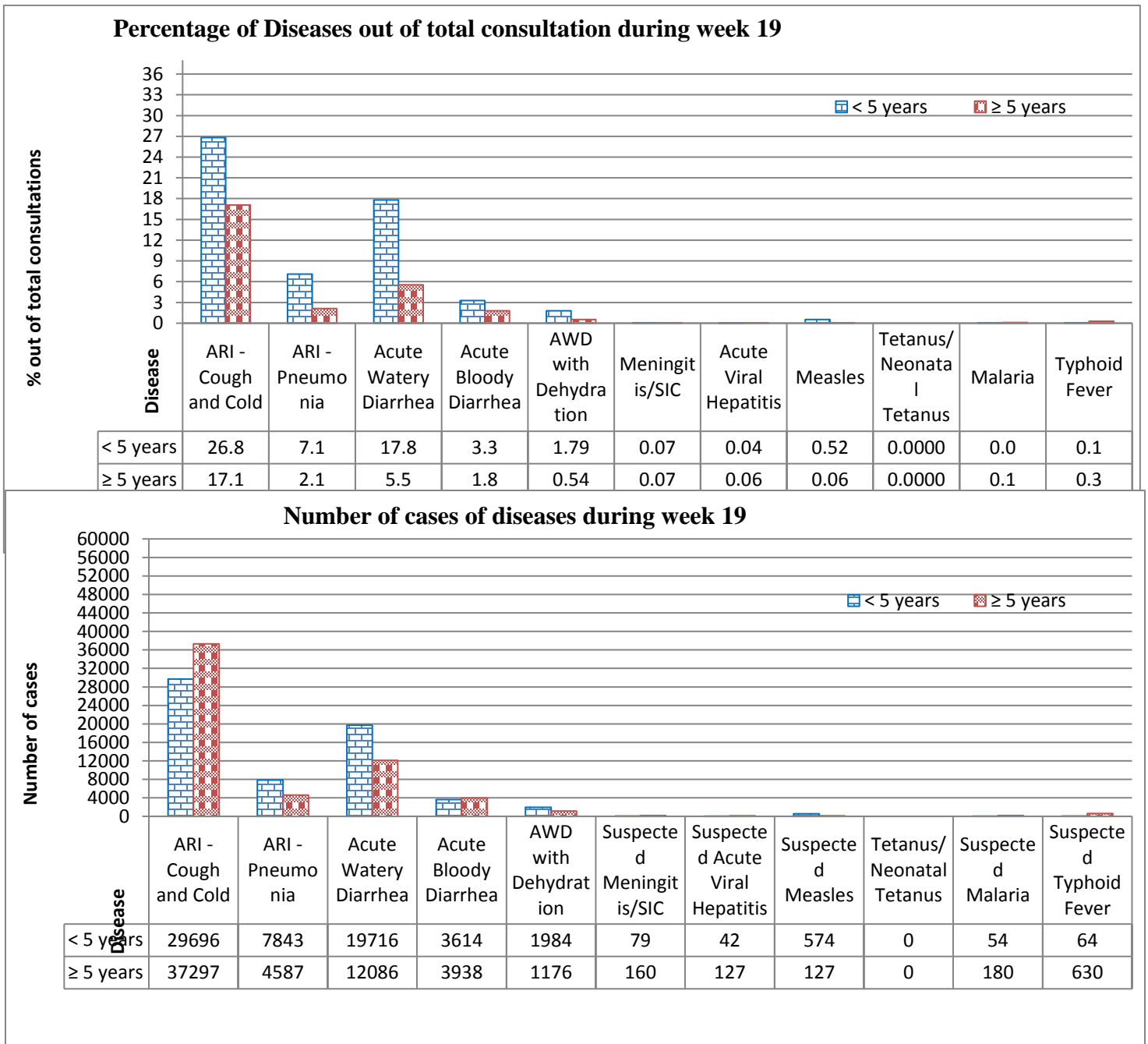
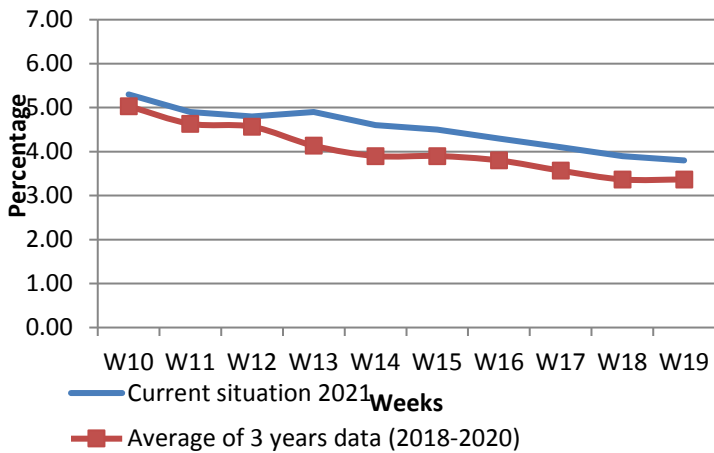


Table 2: Cases and deaths due to VPDs by age group during week 19<sup>th</sup>, 2021

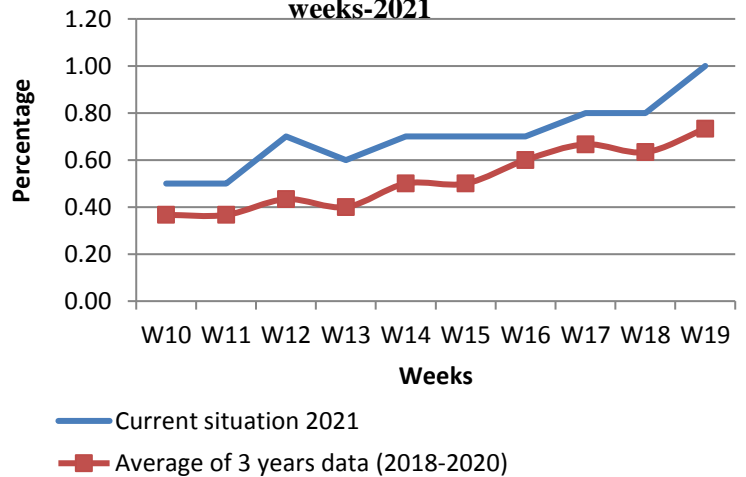
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	574	127	701	0	0	0	0.00
Suspected Pertussis	11	0	11	0	0	0	0.00

Seasonal Diseases:

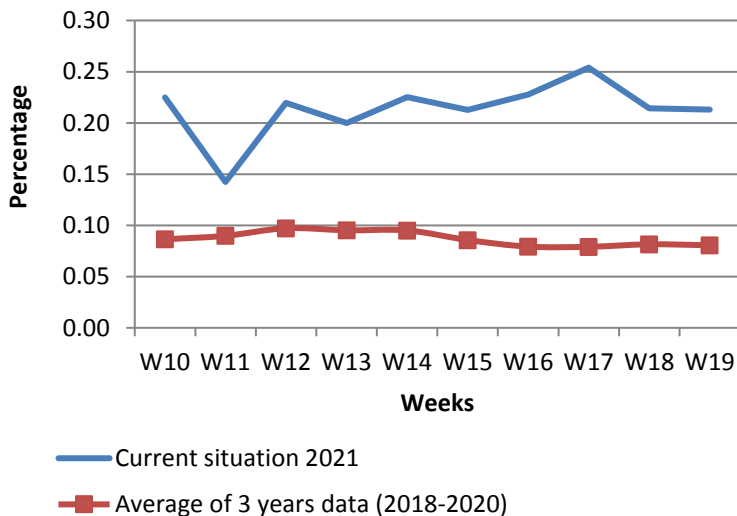
Trend of Pneumonia percentage out of total consultation in recent weeks-2021



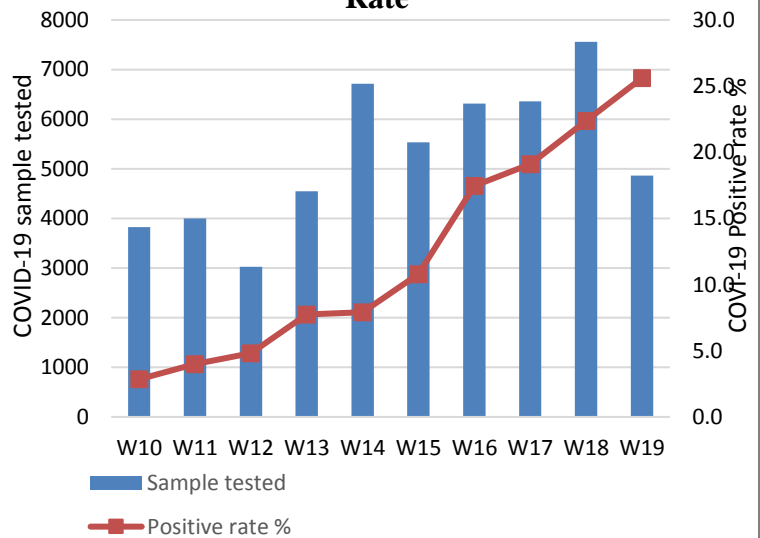
Trend of AWD with severe dehydration percentage out of total consultation in recent weeks-2021



Trend of Measles percentage out of total consultation in recent weeks-2021



COVID19 sample tested and positivity Rate



During week 19<sup>th</sup> total of (04) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

<b>Dog bites /suspected Rabies Outbreak</b>						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
10 May 2021	Takhar	Khawaja ghar	Danajat payan	2	0	In this week one Dog bites/ suspected Rabies outbreak was reported from Takhar province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.

<b>Suspected CCHF Cases</b>								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
16 May 2021	Hirat	Shindand	Shikh aman	1	0	20 Y	Shepherd	During this week, 03 suspected CCHF cases were reported from <u>Herat</u> province, the cases had probable contact with animals or the tissues of the infected animal, case management was done, and health education sessions were conducted. No death was reported from CCHF in this week.
16 May 2021	Hirat	City	Howze karbas	1	0	26 Y	House wife	
16 May 2021	Hirat	City	Babji	1	0	60 Y	shepherd	

Figure 3: Outbreaks investigated during the week 19<sup>th</sup>, 2021

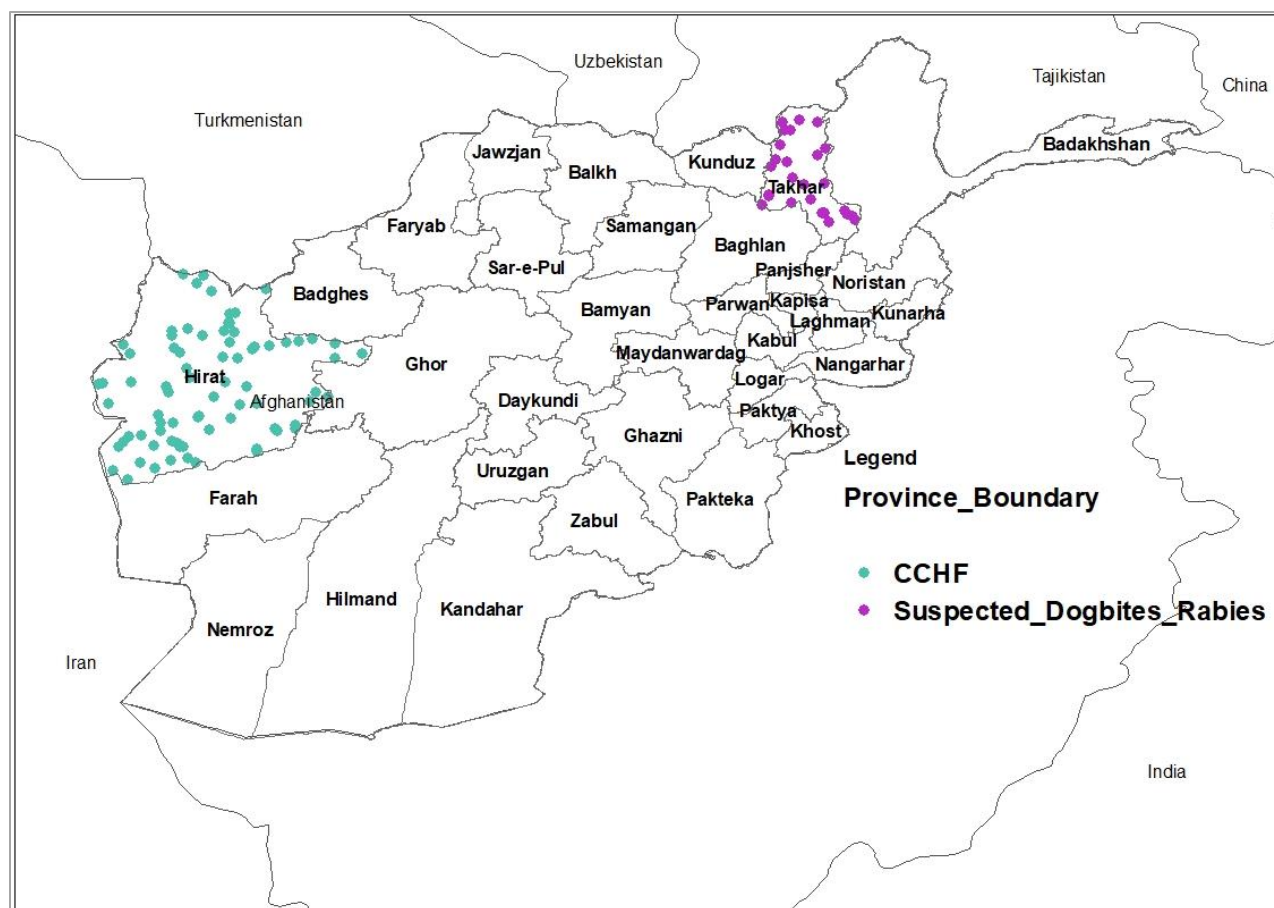


Table 2: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 15 May 2021)

Disease/Event	No. of outbreaks	No. of Lab Confirm	No. of Cases	Sum of Total Deaths
Measles	80	0	851	23
CCHF	25	5	25	0
Dog bites/Suspected Rabies	9	0	51	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Tick bite	1	0	9	0
ARI	1	0	11	0
Pertussis	1	0	10	0
Unknown Poisoning	1	0	12	3
Acute Watery Diarrhea	1	0	88	0
Acute Influenza	1	0	5	0
Food poisoning	1	0	26	0
Gas (CO) Poisoning	1	0	18	0
COVID-19	1	1	67,743	2,855
Chickenpox	1	0	9	0
<b>Grand Total</b>	<b>130</b>	<b>6</b>	<b>68935</b>	<b>2882</b>

### **Laboratory surveillance:**

A total of 10080 specimens were collected and shipped to CPHL as well as regional and private laboratories. Out of which 1416 specimens were confirmed for COVID-19 in this week.

### **Influenza Surveillance activities:**

In Epidemiological week 19th 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, 122 (4%) Severe Acute Respiratory Infections cases were reported and 70% of them were under 5 years old. The proportion of SARI cases were decreased as compared to week 18th 2021. No 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 and Kabul (25%) and Bamyan (7%). In this epidemiological week, our field staff send 30 SARI and 20 ILI specimens to the National Influenza Center (NIC).

### **COVID-19 Surveillance activities:**

In this week 10080 specimens were tested for suspected COVID-19 cases. Out of which 1416 samples were confirmed for COVID-19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine.

Out of 2438 contacts of 853 positive cases which were mostly family members with an average of 3 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 33870 passengers have been screened for COVID-19 in the point of entry of eight provinces (Kandahar, Nangarhar, Kabul, Herat, Nimroz, Farah, Balkh and Khost provinces).

### **Challenges:**

- COVID-19 cases are in the increasing trend in most of the provinces (based on estimation seems we are near to the peak of 3<sup>rd</sup> wave of COVID-19) in Afghanistan.
- Measles outbreaks and sporadic cases are in the increasing trend compared to last year.
- Inadequate lab sample collection for COVID-19 cases from most of the provinces

### **Recommendations:**

- Nonpharmaceutical interventions should be strongly implemented
- Adequate lab samples for COVID-19 should be collected from all the provinces (around 100 samples per day per province, in order to have representative sampling from all the provinces)
- Contact tracing and screening process should be strengthened.
- Extra staff for COVID-19 surveillance activities should be hired for (screening process, contact tracing and data entry).
- **EPI:** As the system detected 701 suspected Measles cases and 11 suspected pertussis cases, further prevention and control measures should be conducted by EPI team, also the BPHS/EPHS implementer NGOs are requested to strengthen the preventive and control measures for Measles outbreaks and sporadic cases.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.