

National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report–24<sup>th</sup>

Date: 13 to 19 June, 2021

### Summary:

- Out of 513 functional Surveillance sentinel sites, 451 (88%) have submitted reports this week.
- A total of 444,262 new consultations, 170,188 (38.3%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 85,242 cases, 19.2 % out of total new consultations, ARI Pneumonia, 14,937 cases, 3.4 % out of total new consultations and Acute Diarrheal Diseases 66,717 cases, 15.1% out of total new consultations.
- A total of 283 deaths were reported this week, of which 49 were due to Surveillance targeted diseases, which includes 36 Pneumonia deaths, 03 Meningitis deaths, 03 Acute Diarrheal Diseases deaths, 06 suspected Measles deaths and 01 Pregnancy related diseases death.
- A total of 02 suspected outbreaks reported this week; 01 suspected Measles outbreak from Kunduz with 08 clinical cases and 01 suspected Pertussis outbreak from Ghor province with 11 clinical cases. Also 12,483 COVID-19 confirmed cases and 609 deaths reported countrywide.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2021

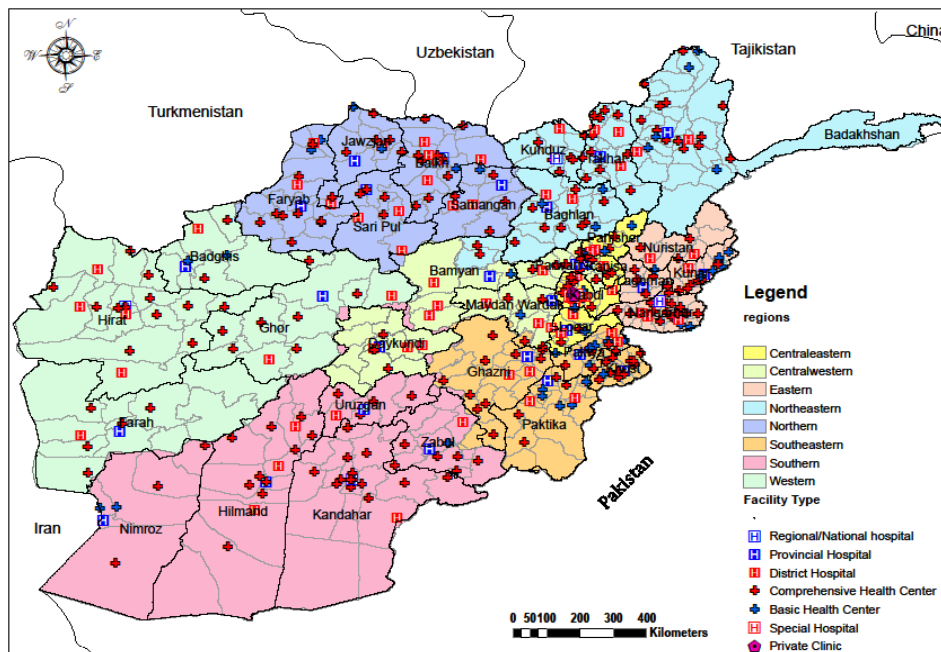
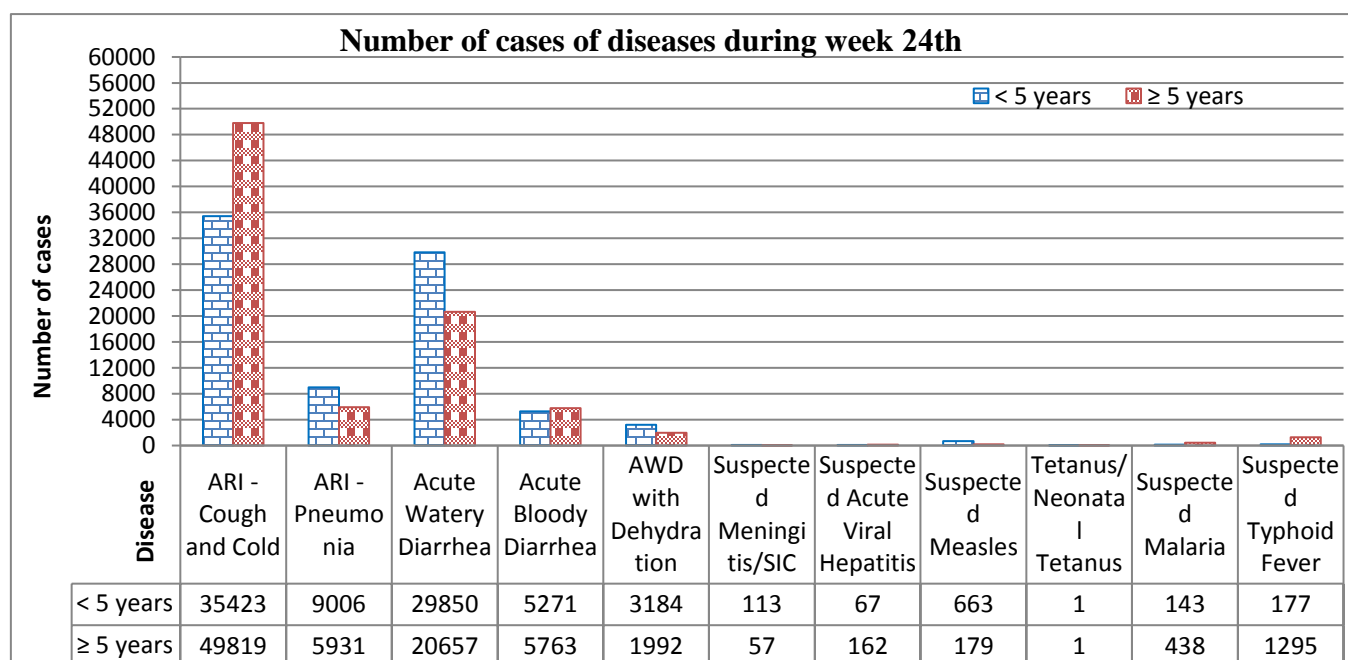
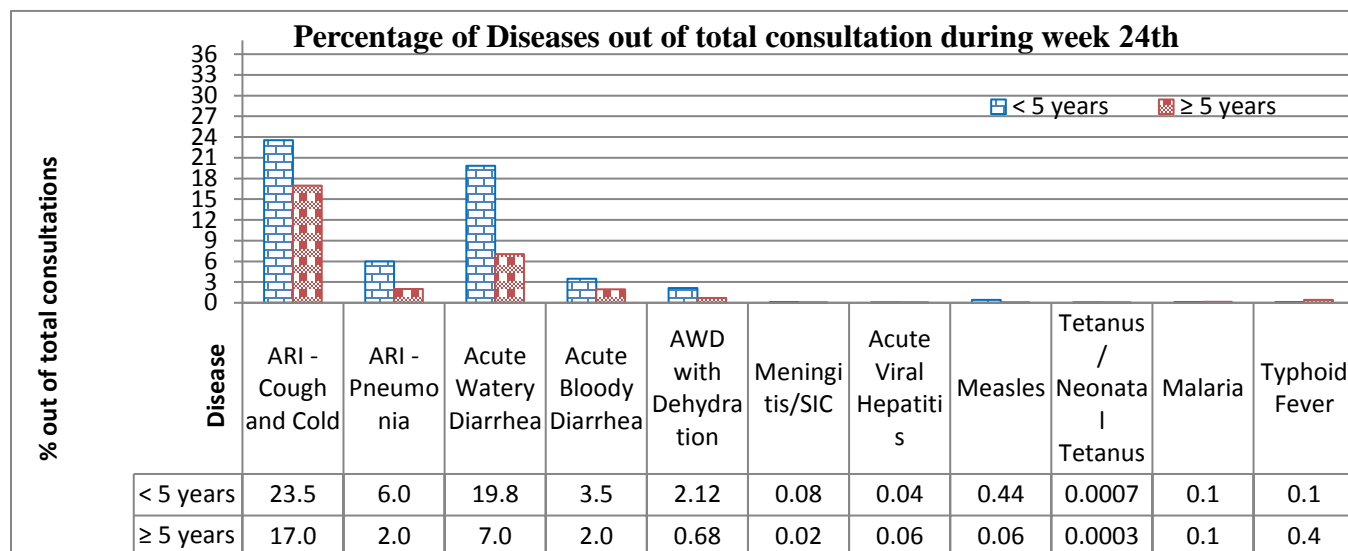


Table 1: Coverage of NDSR Surveillance System

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

## 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 weeks 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.

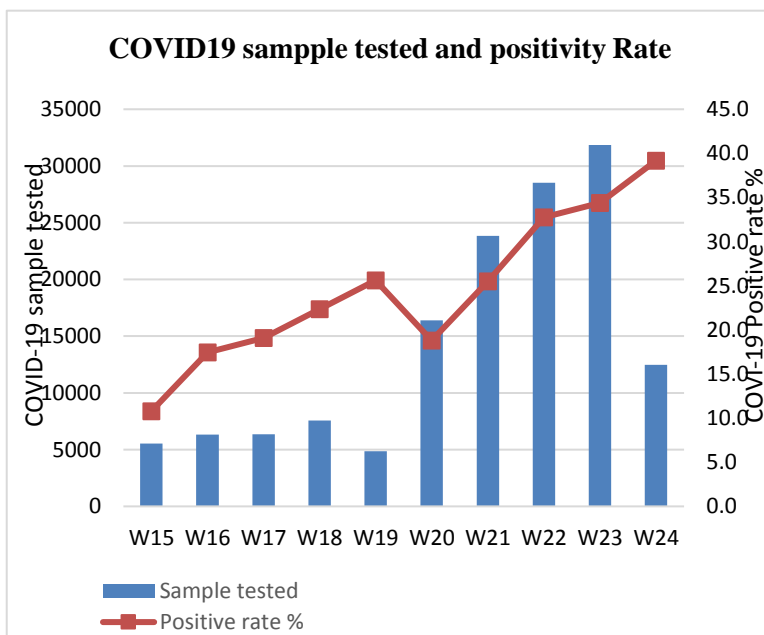
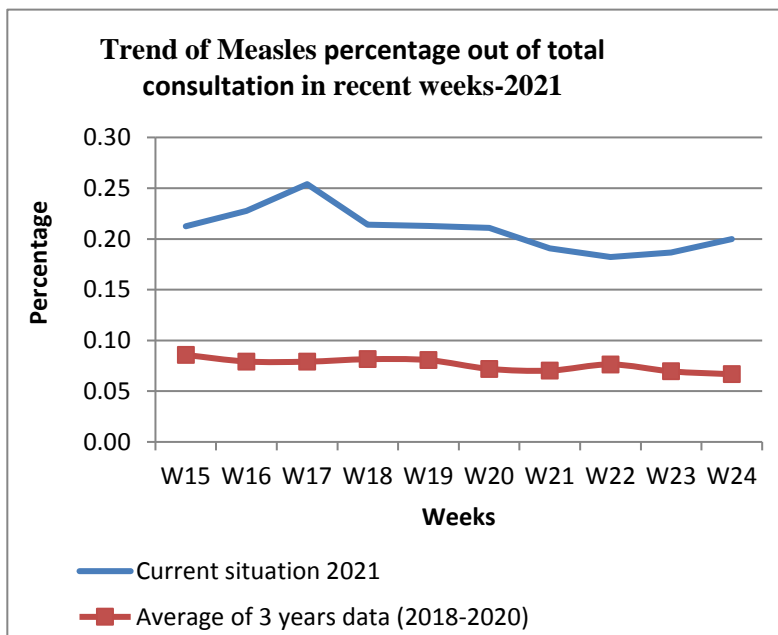
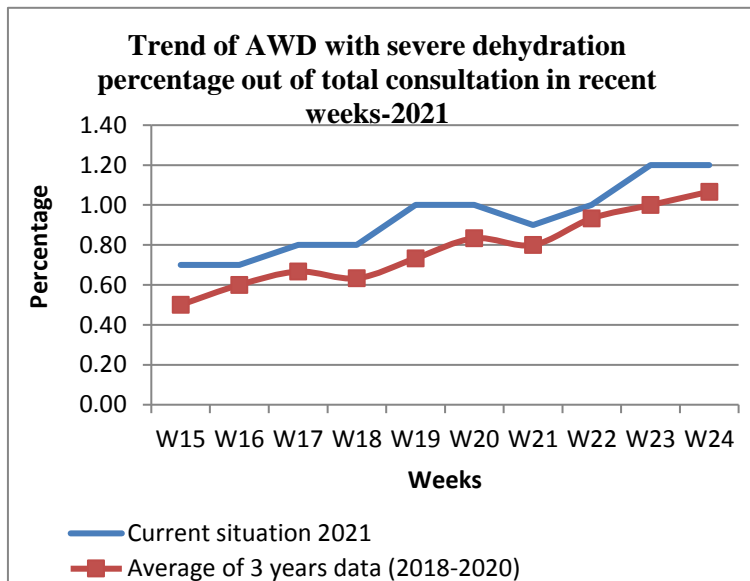
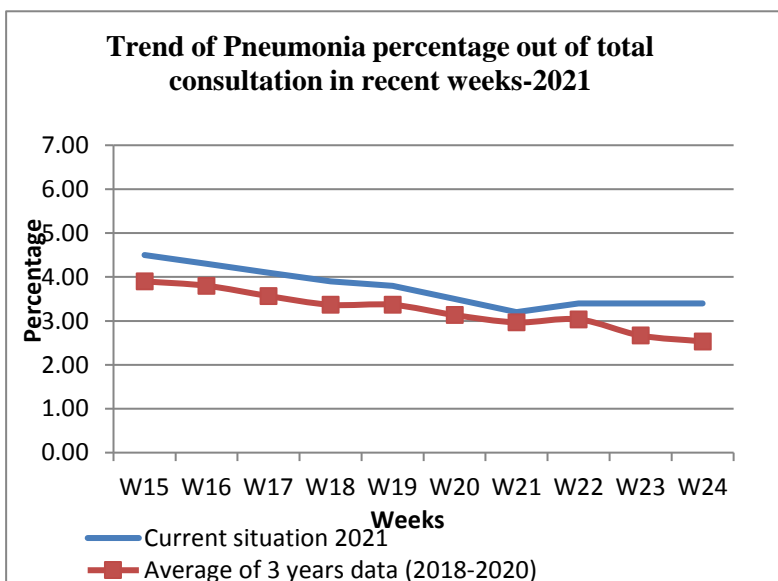


**Figure 2: NDSR targeted diseases, Vaccine-Preventable Diseases (VPDs):**

**Table 2: Cases and deaths due to VPDs by age group during week 24<sup>th</sup>**

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	663	179	842	0	6	6	0.71
Suspected Pertussis	11	0	11	0	0	0	0.00
Suspected Tetanus/Neonatal tetanus	1	1	2	0	0	0	0.00

**Seasonal Diseases:**



During week 24<sup>th</sup> total of 02 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

<b>Suspected Measles Outbreak</b>									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Recommendation/Action take
14 June, 2021	Kunduz	City	City	7	1	8	0	45%	In this week 01 suspected Measles outbreak was reported from Kunduz province with 08 clinical cases, the outbreak was investigated, case management was done for all the cases. Vaccination plan was prepared for the surrounding villages eligible children, and health education session was conducted.
<b>Suspected Pertussis Outbreak</b>									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Recommendation/Action take
6 June, 2021	Ghor	Charsadah	Masin	11	0	11	0	48%	In this week 01 Suspected Pertussis outbreak was reported from Ghor Province with 11 clinical cases. The outbreak was investigated, case management was done for all the cases. Vaccination plan was prepared for the surrounding villages eligible children, and health education session was conducted.

Figure 3: Outbreaks investigated during the week 24<sup>th</sup> 2021

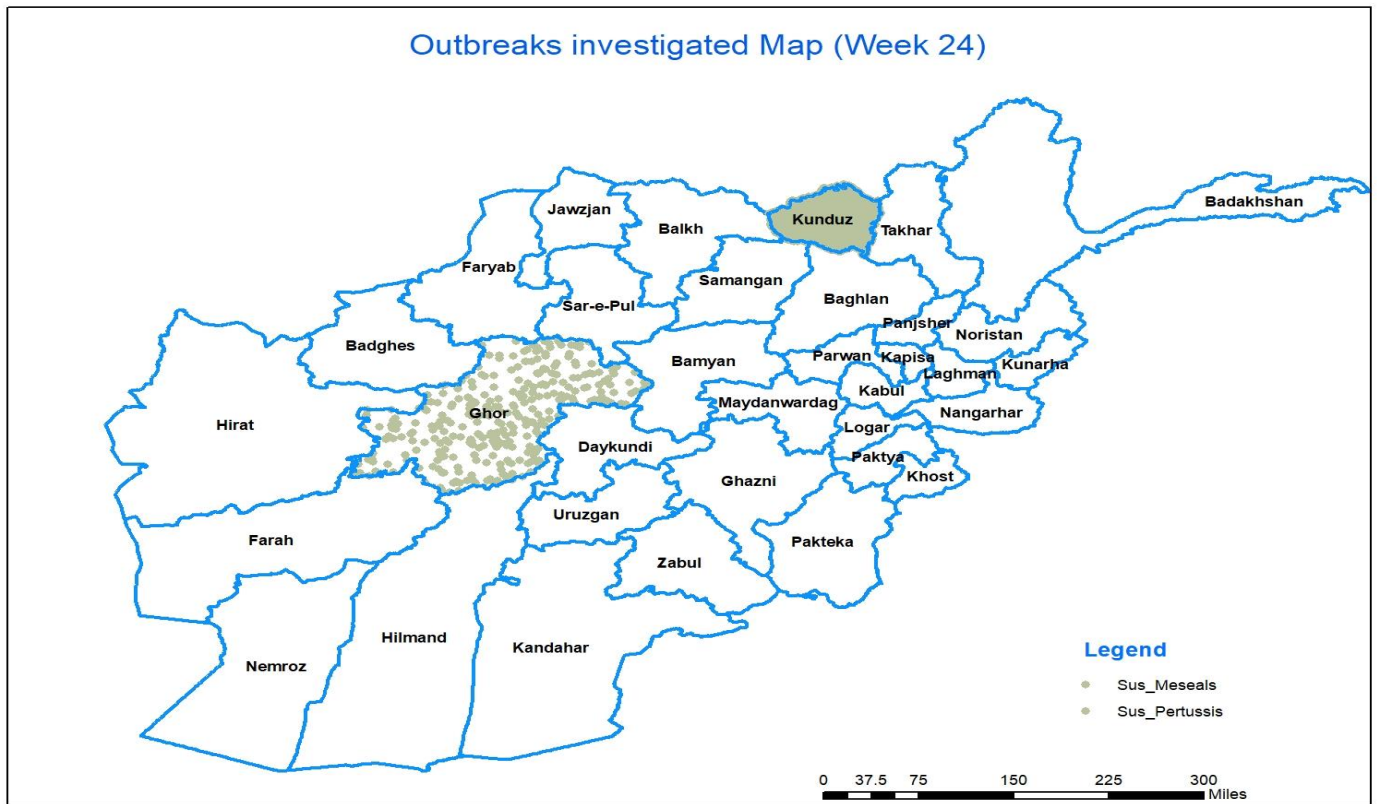


Table 2: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 19 June, 2021)

Disease/Event	No. of outbreaks	No. of Lab_Confirm	No. of Cases	Sum of Total Deaths
Measles	88	62	942	24
CCHF	29	7	36	2
Dog bites/Suspected Rabies	10	0	61	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Pertussis	3	0	35	0
Influenza	1	1	5	0
Cluster of COVID 19 cases	1	0	46	0
ARI	1	0	11	0
Acute Watery Diarrhea	1	0	88	0
Unknown Poisoning	1	0	12	3
Tick bite	1	0	9	0
Chickenpox	1	0	9	0
COVID-19- 2021	1	1	56940	2241
Food poisoning	1	0	26	0
Gas (CO) Poisoning	1	0	18	0
<b>Total</b>	<b>146</b>	<b>71</b>	<b>58315</b>	<b>2271</b>

### Laboratory surveillance:

A total of 34033 specimens were collected and shipped to CPHL and regional and private labs. Out of which **12,483** specimens were confirmed for COVID-19 in this week.

### Influenza Surveillance activities:

In Epidemiological week 24<sup>th</sup> 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 admissions, 135(4%) Severe Acute Respiratory Infections cases were reported and 67% were under 5 years old. The proportion of SARI cases were the same as compared to week 23<sup>rd</sup> 2021. Three 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 (22%), Kabul (20%) and Bamyan (13%). In this epidemiological week, our field staff shipped 30 SARI and 24 ILI specimens to the National Influenza Center (NIC).

### COVID-19 Surveillance activities:

In this week **34,033** specimens were tested for suspected COVID-19. Out of which **12,483** samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine.

Out of 30550 contacts of 14578 positive cases which were mostly family members with an average of 2 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 **107,259** passengers have been screened for COVID-19 in the point of entry of nine provinces (Balkh, Farah, Hirat, Kabul, Kandahar, Khost, Kunduz, Nangarhar and Nimroz provinces).

### Challenges:

- COVID-19 cases are in the increasing trend in most of the provinces (in general 14% more cases are reported, and 3.8% lab samples positivity rate increased compared to last week countrywide).
- Bed occupancy rate (BOR) in the national level is 109%
- Inadequate lab testing capacity in the country
- Contact tracing of contacts with the positive cases is not following well, especially in the (Ghor, Jawzjan, Sar-e-pul and Takhar) provinces
- Inadequate lab sample collection from COVID-19 cases in the remote areas and districts, as majority of the samples are collected from the cities, this issue unable the surveillance system to present the real situation.

### Recommendations:

- Due to high BOR in the national level, GCMU colleagues are requested to increase the number of the beds accordingly, also the COVID-19 hospitals are requested to admit only severe and critical COVID-19 cases, the mild and moderate cases can be managed in the homes

- Contact tracing from all suspected and lab confirmed COVID-19 cases should be strengthened and home quarantine should be recommended for all contacts up to 14 days.
  - COVID-19 lab samples should be collected from all districts (all PHs, DHs and district centers (DCs) should collect the lab samples).
  - Screening process should be strengthened in the points of entry, all passengers having the travel history outside the country should be screened, lab samples should be collected from those having the signs and symptoms of COVID-19, and home quarantine should be recommended up to sharing the lab result.
  - Lab testing capacity need to be increased and expanded to all the provinces
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- **EPI:** As the system detected 850 suspected Measles cases, 06 deaths due to Measles, 11 suspected pertussis cases and 02 Suspected Tetanus/Neonatal 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.