



National Disease Surveillance  
& Response (NDSR)

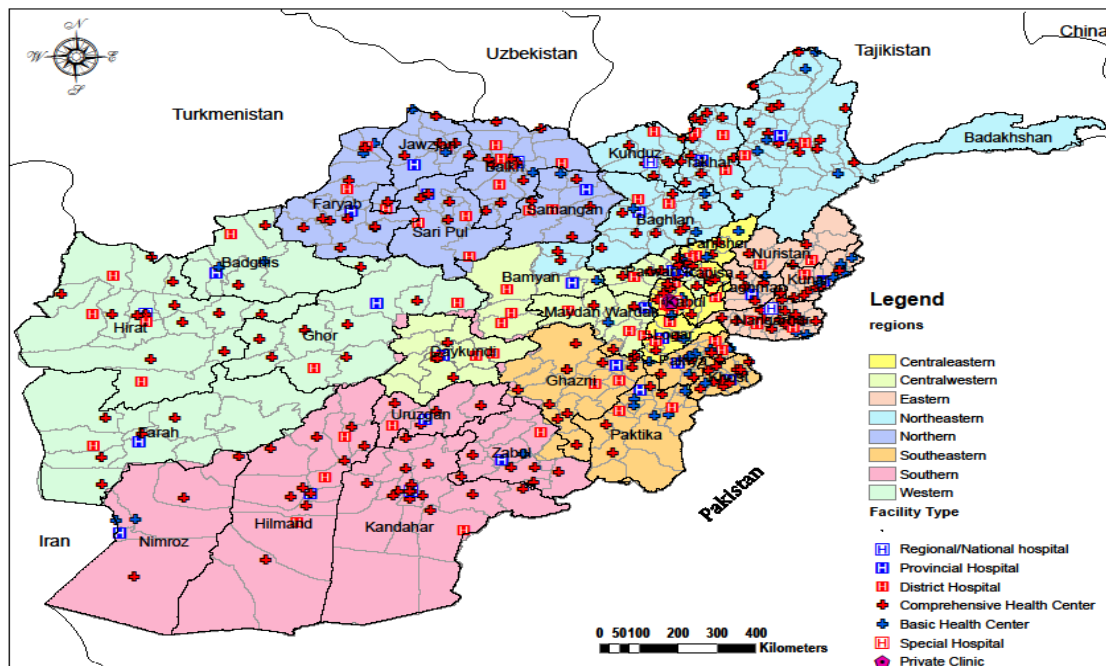
NDSR Weekly Epidemiological Report 42<sup>nd</sup>

Date: 17 Oct to 23 Oct, 2021

### Summary:

- Out of 513 functional Surveillance sentinel sites, 495 (96.5%) have submitted reports this week.
- A total of 398,383 new consultations, 155,407 (39 %) were due to Surveillance targeted diseases. That included 82,899 male (53.3%) and 72,508 female (46.7%). Also 76,206 (49 %) under five years old and 79,201 (51%) five and over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 89,364 cases, (22.4 %) out of total new consultations, Acute Diarrheal Diseases 44,295 cases (11.1%) out of total new consultations and Pneumonia, 15,448 cases (3.9%) out of total new consultations.
- A total of 198 deaths were reported this week, of which 51 were due to Surveillance targeted diseases, which includes 14 COVID-19 deaths, 22 Pneumonia deaths, 10 Acute Diarrheal Disease deaths, 03 suspected Acute Viral Hepatitis deaths and 02 suspected Meningitis/Severely Ill Child deaths.
- A total of 318 Measles suspected cases were reported in this week.
- During this week, 336 AWD hospitalized new cases epi-linked with last month AWD outbreak reported from Kabul province.
- Also, 82 Dengue fever new suspected cases epi-linked with Nangarhar province were reported
- In addition, during this week 02 outbreaks (Malaria and CCHF) were reported from Parwan and Faryab provinces.
- Moreover, 212 COVID-19 confirmed cases reported at national level.

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

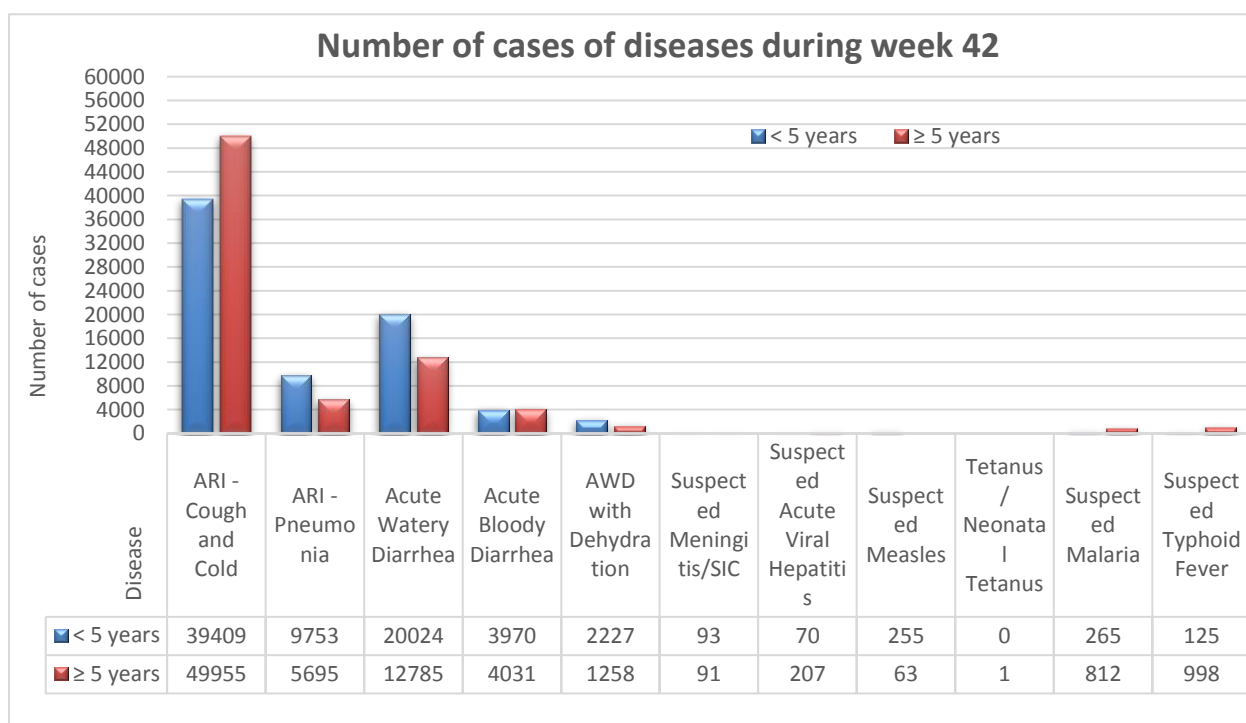
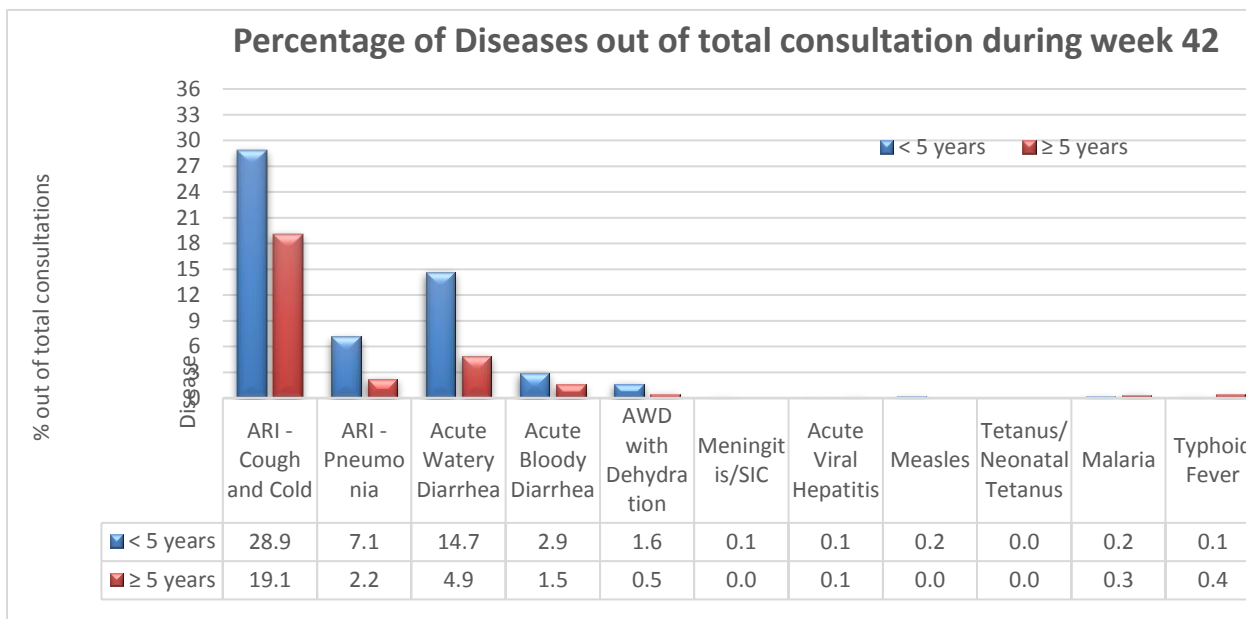


**Table 1: Coverage of NDSR Surveillance System**

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 (IBS):**

The Indicator-based surveillance component of NDSR report 17 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.

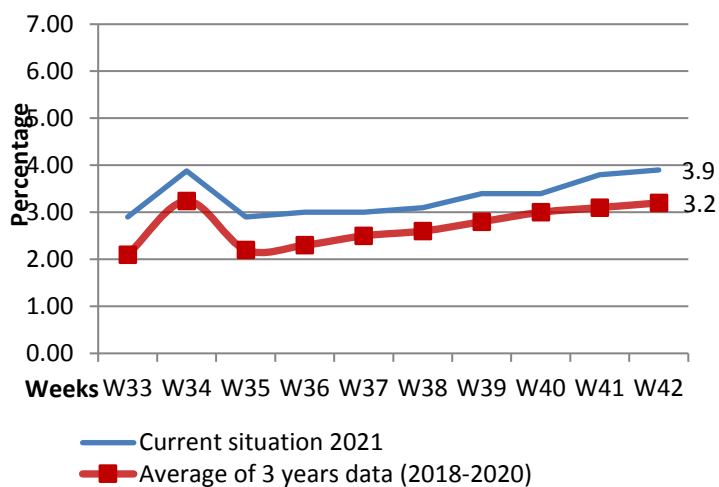


**Table 2: Cases and deaths due to VPDs by age group during week 42<sup>th</sup>, 2021**

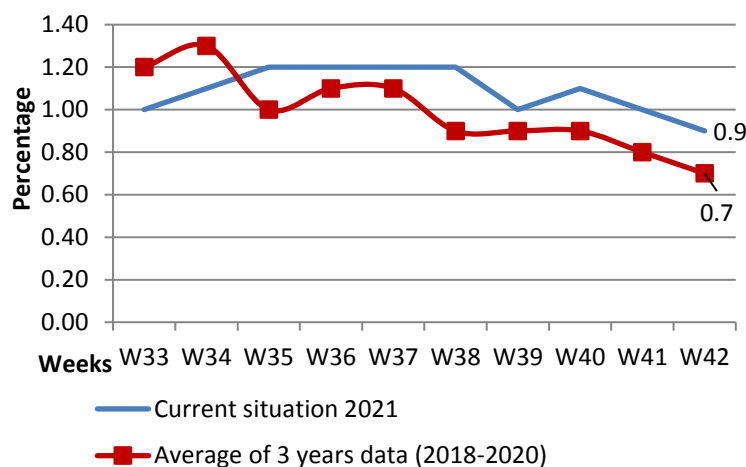
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	255	63	318	0	0	0	0.00

**Seasonal Diseases:**

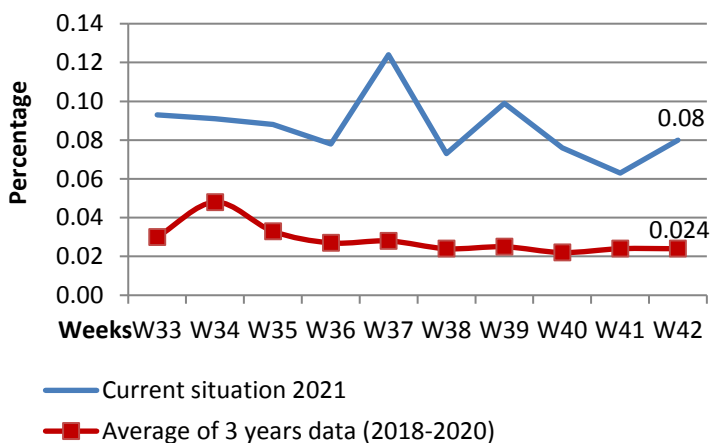
**Trend of Pneumonia percentage out of total consultation in recent weeks-2021**



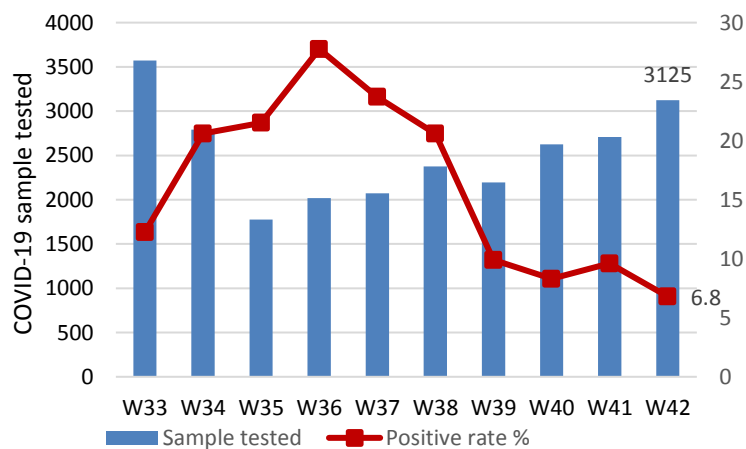
**Trend of AWD with severe dehydration percentage out of total consultation in recent weeks-2021**



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



**COVID19 Sample tested and positivity Rate**



### Follow up of AWD Outbreak (Kabul)

Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action take
17/10/2021	Kabul	Kabul districts	Kabul	95	241	336	0	In this week, 336 AWD hospitalized new cases epi-linked with the last month Kabul province AWD outbreak reported, investigation is going on, active/daily surveillance is started, case management was done for all the cases. RDT sampling was done and lab samples for culture were also collected and shipped to CPHL. Health education was conducted by the investigation team.

### Follow up of Dengue fever outbreak (Nangarhar)

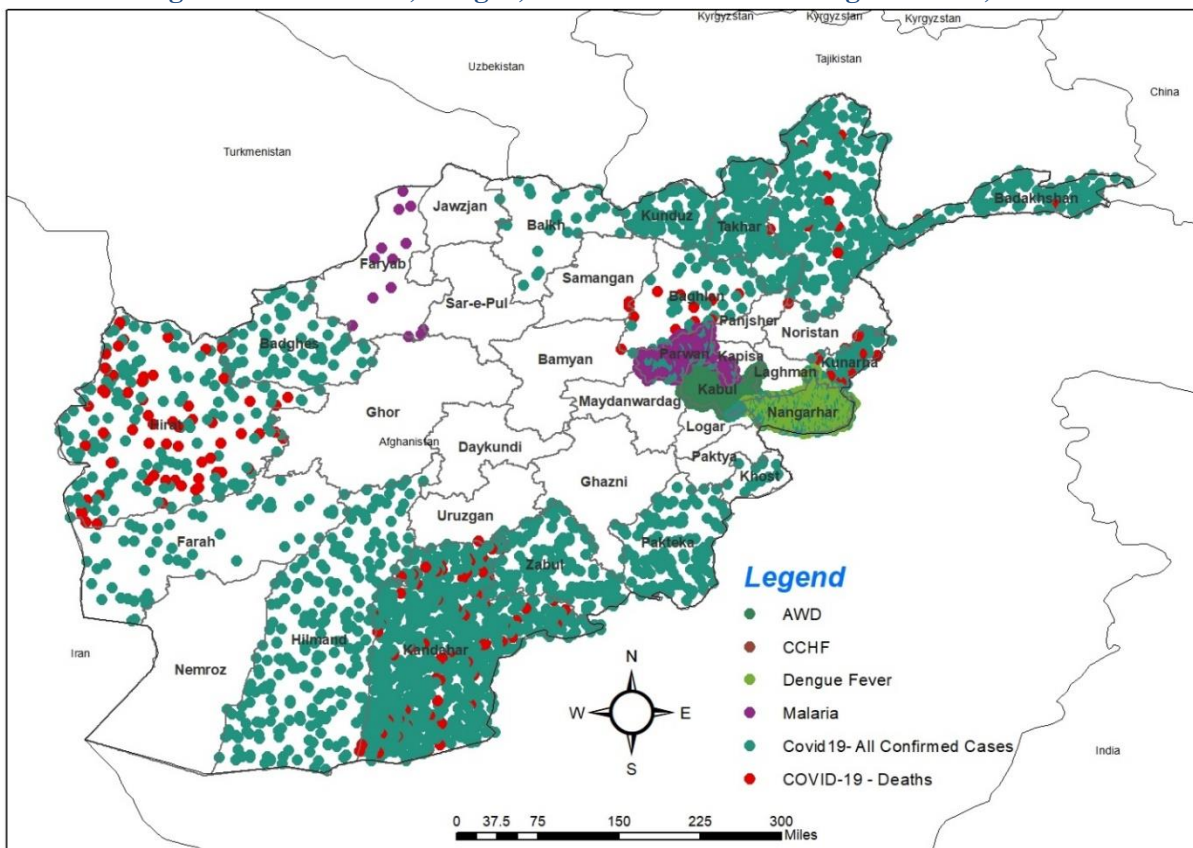
Reported dated	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Recommendation/Action take
17/10/2021	Nangarhar	Mohmandara, Dorbaba, Jalalabad	Ziarat Kalai, Malagori Kalai, Zmari kali, Meer Hatam Kali, Ulfat Mina, Torkham, Raghzai, Kamla Kalai, Khial Nazir Kalai	0	82	82	During this week, 82 Dengue fever new suspected cases epi-linked with Nangarhar province Dengue fever outbreak reported, Coordination and communication was done with all stakeholders at the local, provincial and national levels, 63 blood serum specimens have been collected and shipped to CPHL for confirmation, among them 29 were positive for Dengue fever.

### Malaria outbreak (Parwan province)

Reported dated	Province	District	Village	Male	Female	Total Cases	Deaths	Recommendation/Action take
18/October/2021	Parwan	Bagram	Khanaqa	08	05	13	0	During this week, 01 lab conformed PV Malaria outbreak reported from Parwan Province, 13 cases were reported among them 12 were lab confirmed for PV Malaria, case management was done for all the cases, Health education for Malaria prevention and control was provided in the field. In addition, some severe cases referred for treatment and management of complications to the Provincial Hospital.

Suspected CCHF cases (Faryab province)								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
15/10/2021	Faryab	Maimana	Sarbullaq	1	0	19y	Shepherd	During this week 01 suspected CCHF case was reported from Faryab Province, case management was done, and health education sessions was conducted.

Figure 2: COVID-19, Dengue, AWD and Malaria during week 42<sup>th</sup>, 2021



**Table 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 23, October 2021)**

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	96	62	1053	35
CCHF	82	21	82	5
Dog bites/Suspected Rabies	12	0	74	0
Pertussis	4	0	38	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Acute Watery Diarrhea	3	2	2261	8
Food poisoning	2	0	26	0
COVID 19	1	1	103738	5071
Tick bite	1	0	9	0
Mass psychogenic Illness	1	0	16	0
ARI	1	0	11	0
Unknown Poisoning	1	0	12	3
Acute Influenza	1	1	5	0
Chickenpox	1	0	9	0
Gas (CO) Poisoning	1	0	18	0
Dengue fever	1	1	343	0
Malaria	1	0	13	0
<b>Grand Total</b>	<b>215</b>	<b>88</b>	<b>107785</b>	<b>5123</b>

**Laboratory surveillance:**

A total of **3,269** specimens were collected and shipped to CPHL, regional and private labs. Out of which **212** specimens were confirmed for COVID-19, **29** specimens were confirmed for Dengue fever, **13** specimens confirmed for Measles in this week. (Follow up by the CPHL is going on).

**Influenza Surveillance activities:**

In Epidemiological week 42<sup>nd</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, 175 (5.8%) Severe Acute Respiratory Infections cases were reported and 59% were under 5 years old. The proportion of SARI cases were slightly increased as compared to week 41<sup>st</sup> 2021. Nine SARI associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (21%), Kapisa (19%) and Bamyan (15%). In this epidemiological week, our field staff shipped 54 SARI and 34 ILI specimens to the National Influenza Center (NIC).

**COVID-19 Surveillance activities:**

In this week, **3,125** specimens were tested for suspected COVID-19. Out of which **212** samples were confirmed for COVID-19 by rtPCR. The cases have been managed either in the isolation wards or in home quarantine.

- COVID-19 cases were slightly decreased 18.5% compared to last week, (and 2.8 % lab samples positivity rate decreased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is 22.6%, which decreased 0.2% compared to last week.

- Out of 527 contacts of 142 confirmed cases that were mostly family members with an average of 04 Contacts per one case, and will be continued until 14 days of their last contact with the confirmed cases. Also, surveillance screening teams screened all the passengers in the points of entry for fever, and health education was conducted for them, about **33,119** passengers have been screened for COVID-19 in the points of entry of five provinces (Herat, Kandahar, Kunduz, Nangarhar and Nimroz provinces).

#### Challenges:

- Weak preparedness for the expected outbreaks and health emergencies in coming months
- Shortage of lab consumables in majority of the provinces for COVID-19 and suspected cholera cases.
- Rapid Response Teams (RRTs) are not functional in majority of the provinces.
- AWD hospitalized cases, Dengue fever cases and Measles cases have increased compared to the last two years.

#### Recommendations:

- Buffer stock and preparedness plan for the expected health emergencies are needed to be prepared at the provincial level
- COVID-19 surveillance system needs to be strengthened and COVID-19 control committee should follow this issue strictly.
- Regular supply for lab consumables and kits for surveillance priority diseases including COVID-19 are needed and lab testing capacity needs to be strengthened and expanded to all the provinces.
- RRTs should be functional again, to support the outbreak investigation and response for COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies, (At least one RRT in each province should keep functional).
- COVID-19 lab samples collection should be started in all the provinces.
- **EPI:** As the system detected **318** suspected Measles cases, further prevention and control measures should be conducted by the EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.