



National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report–37th

Date: 12 to 18- Sep, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 474 (92.4%) have submitted reports this week.
- A total of 410,615 new consultations, 154,619 (37.7%) were due to Surveillance targeted diseases. That included 80,277 male (52.2%) and 73,378 under five cases (47.8%).
- The main causes of consultations this week were ARI (Cough & Cold), 77,567 cases, (18.9 %) out of total new consultations, Acute Diarrheal Diseases 55,927 cases (13.6%) out of total new consultations and Pneumonia, 12,160 cases (3%) out of total new consultations.
- A total of 244 deaths were reported this week, of which 66 were due to Surveillance targeted diseases, which includes 23 COVID-19 deaths, 28 Pneumonia deaths, 06 Acute Diarrheal Diseases deaths, 04 suspected Measles deaths, 03 Suspected Meningitis/Severely Ill Child deaths and 02 Pregnancy related deaths.
- A total of 511 Measles cases with 04 deaths were reported in this week.
- During this week, one AWD outbreak with 204 cases and 05 deaths due to AWD with severe dehydration reported from Kabul province, 02 suspected CCHF cases reported from Herat and Logar provinces and 02 suspected measles outbreaks reported from Wardak and Zabul provinces. Also, 491 COVID-19 confirmed cases reported at national level.

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

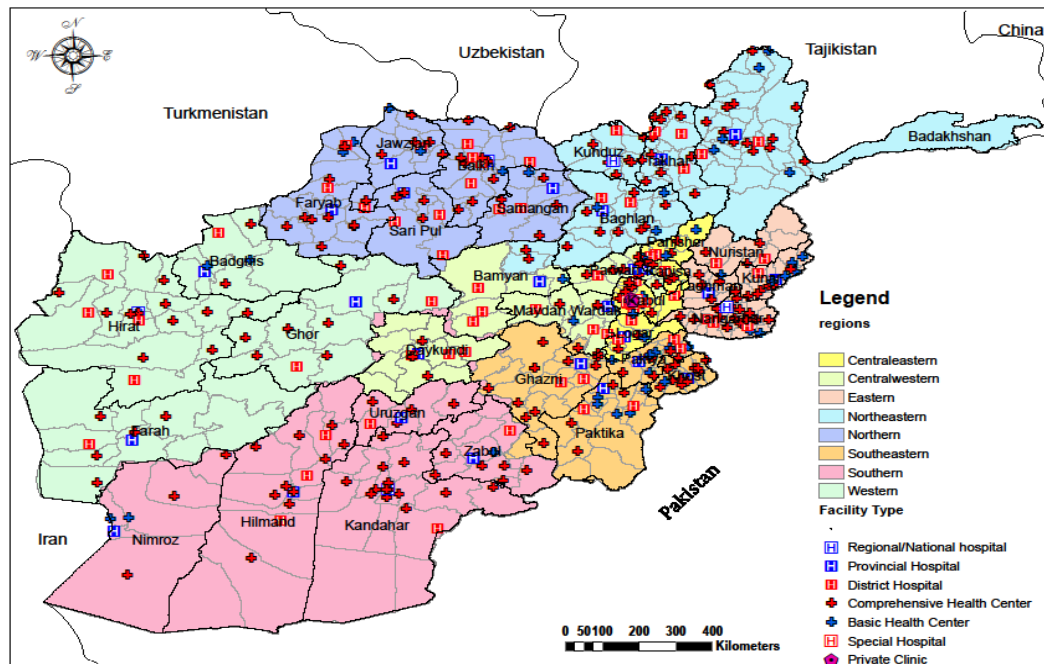


Table 1: Coverage of NDSR Surveillance System

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.

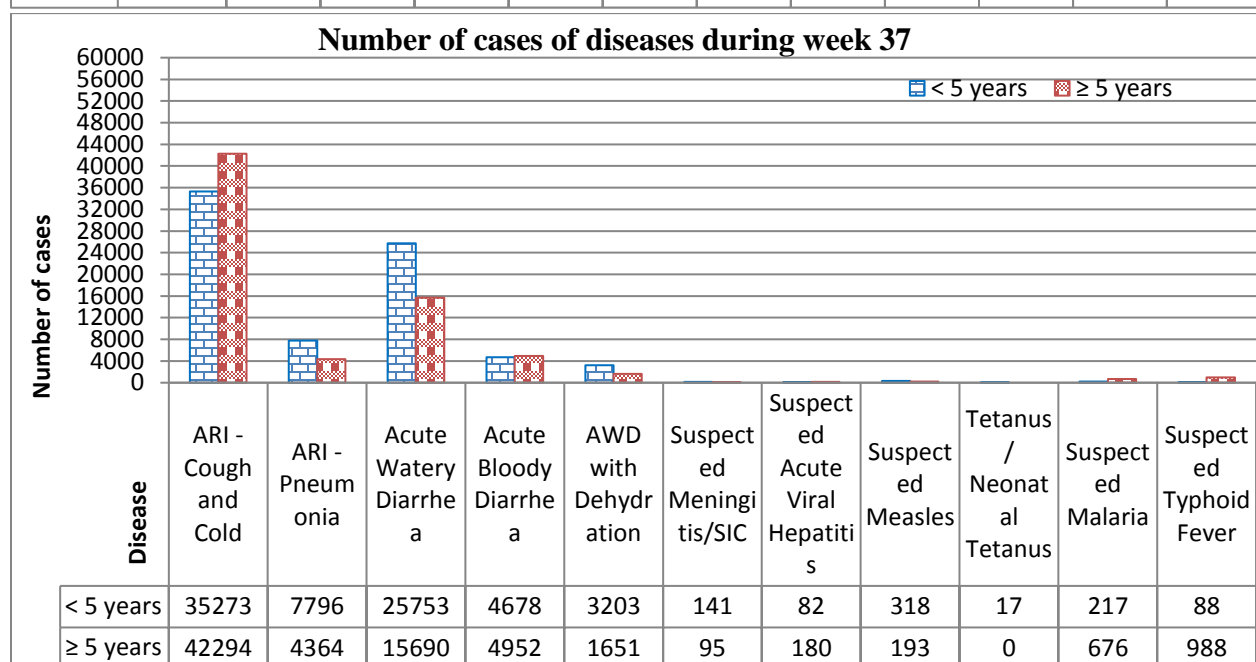
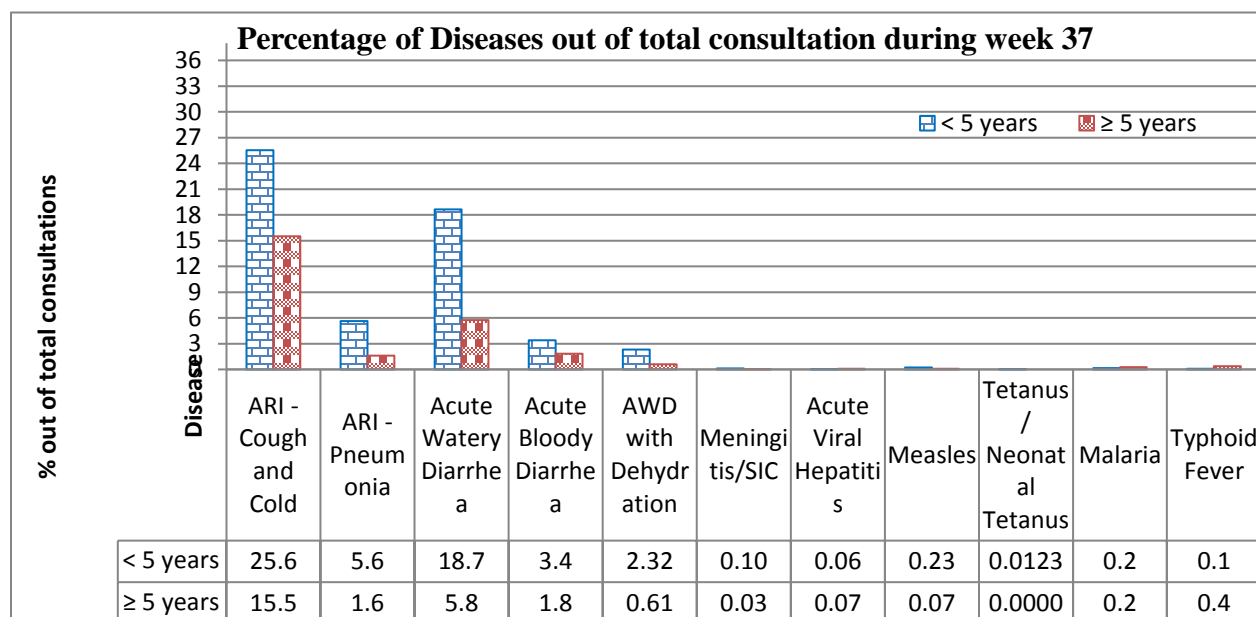
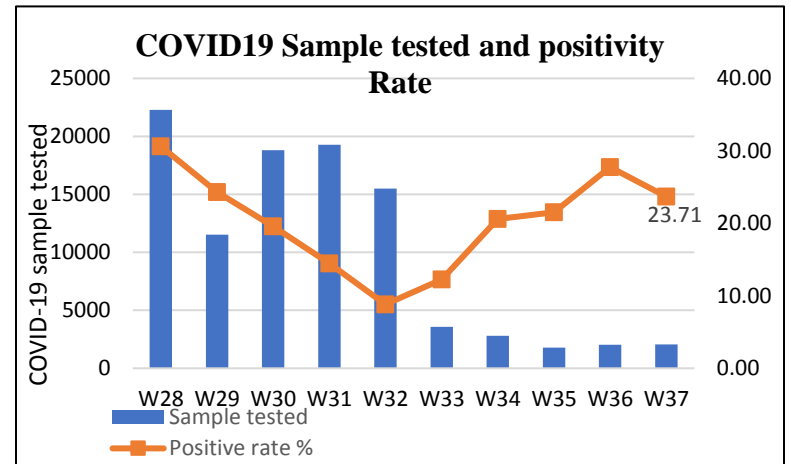
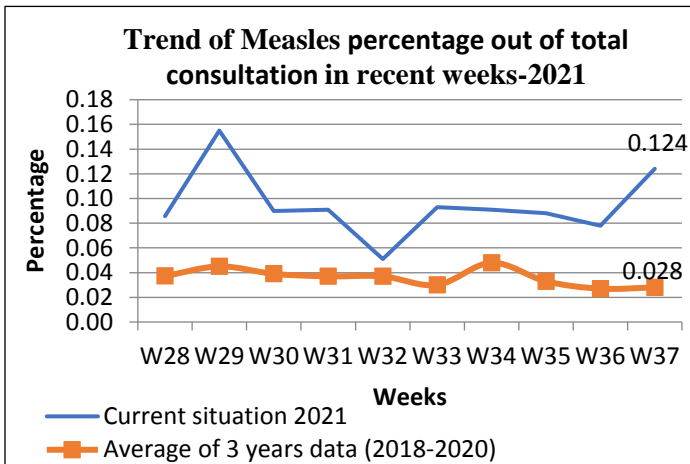
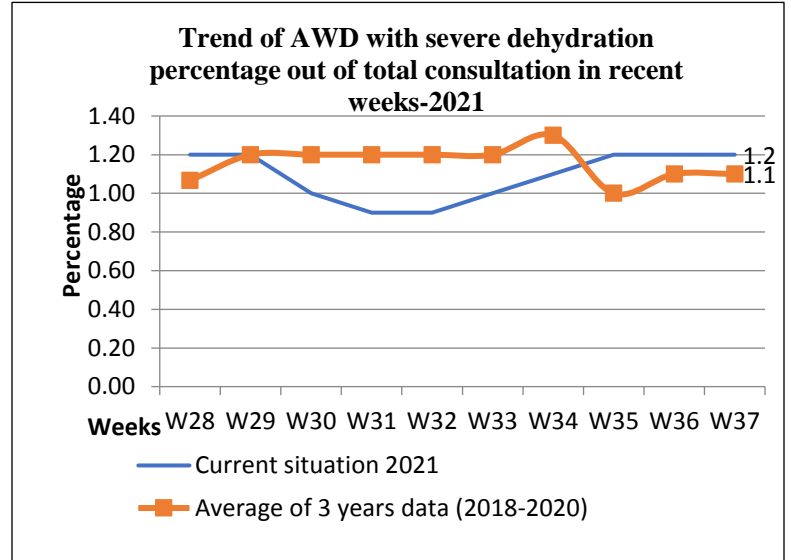
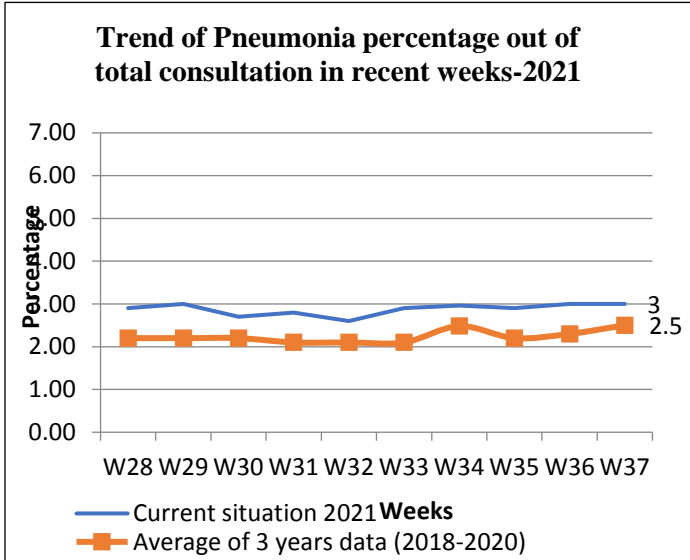


Table 2: Cases and deaths due to VPDs by age group during week 37th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	318	193	511	4	0	4	0.78

Seasonal Diseases:



AWD Outbreak								
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action take
12/9/2021	Kabul	Kabul districts	Kabul	12	192	204	05	In this week, 01 AWD outbreak reported from Kabul city different areas and Surobi district of Kabul province, 204 clinical AWD cases with severe dehydration, including 12 severe cases in shock condition and 05 deaths due to AWD with dehydration reported, the outbreak was investigated, case management was done for all the cases. Sampling from stool and the drinking water of the outbreak areas were collected and shipped to CPHL, Health education was conducted by the investigation team.

CCHF suspected cases								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
12/09/2021	Herat	Injil	Karta	01	0	23y	Butcher	During this week, 02 suspected CCHF cases were reported from Herat and Logar provinces, case management and health education were done. In addition, this issue was shared with animal health sector and Zoonotic committee for further needed action in the affected area.
13/9/2021	Logar	Puli Alam	Kulangar	01	0	20Y	Butcher	

Suspected Measles Outbreak									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Coverage %	Recommendation /Action take
14/09/2021	Wardak	Chak	Bambia	08	02	10	0	55%	In this week 02 suspected Measles outbreaks were reported from Wardak and Zabul provinces with 17 clinical cases, the outbreaks were investigated, case management was done for all the cases. Health education sessions were conducted regarding these outbreaks.
17/09/2021	Zabul	Qalat	Babagak Kochyan	06	01	07	0	34%	

Figure 2: COVID-19cases and CCHF outbreak during the week 37th 2021

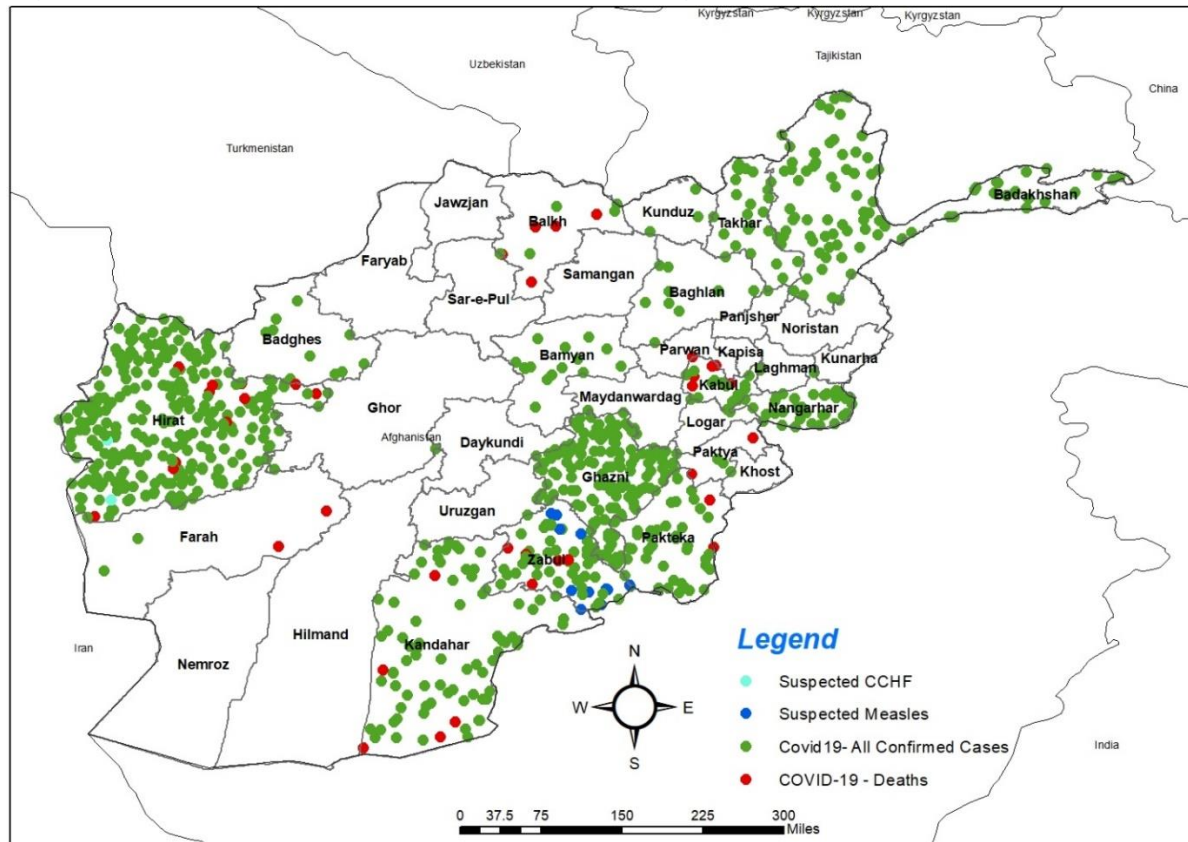


Table 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 18, September 2021)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	91	62	989	35
CCHF	78	21	78	5
Dog bites/Suspected Rabies	10	0	61	0
Pertussis	4	0	38	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Acute Watery Diarrhea	2	2	352	7
Food poisoning	2	0	26	0
COVID 19	1	1	102564	5019
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
Grand Total	201	87	104265	5070

Laboratory surveillance:

A total of **2098** specimens were collected and shipped to CPHL, the regional and private labs. Out of which **491** specimens were confirmed for COVID-19 in this week.

Influenza Surveillance activities:

In Epidemiological week 37th 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 admissions, 115(4.4%) Severe Acute Respiratory Infections cases were reported and 57% were under 5 years old. The proportion of SARI cases were slightly decreased as compared to week 36th 2021. Five 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 (20%), Kabul (14%), and Bamyán (12%). In this epidemiological week, our field staff shipped 24 SARI and 16 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **2,071** specimens were tested for suspected COVID-19. Out of which **491** 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 decreased in most of the provinces compared to last week (in general 12.3 % less number of cases were reported, and 4.1 % lab samples positivity rate decreased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is 22.5%, which decreased 1.2% compared to previous week.

Out of **958** contacts of **344** positive cases that were mostly family members with an average of 03 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 **90063** passengers have been screened for COVID-19 in the points of entry of five provinces (Herat, Kandahar, Kunduz, Nangarhar and Nimroz provinces).

Challenges:

- AWD cases with severe dehydration are increased in Kabul province.
- Rapid Response Teams (RRTs) are not functional in majority of the provinces.
- Shortage of lab consumables in majority of the provinces for suspected COVID-19 and cholera cases testing.
- Inadequate lab testing capacity in the country

Recommendations:

- Emergency supply and buffer stock is needed for all the provinces in the outbreak prone areas
- RRTs should be functional again to participate in the AWD outbreaks and other health emergencies response (At least one RRT in each province should keep functional).
- Regular supply for lab consumables and kits for surveillance priority diseases including COVID-19 are needed and lab testing capacity needs to be increased and expanded to all the provinces.
- COVID-19 lab samples should be collected from all districts (all PHs, DHs and district centers should collect the lab samples).

- **EPI:** As the system detected **511** suspected Measles cases and **04** deaths due to Measles, 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.