



National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report–38th

Date: 19 to 25- Sep, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 466 (90.8 %) have submitted reports this week.
- A total of 389,701 new consultations, 148,074 (38%) were due to Surveillance targeted diseases. That included 78,335 male (52.9%) and 69,715 under five cases (47.1%).
- The main causes of consultations this week were ARI (Cough & Cold), 73,503 cases, (18.9 %) out of total new consultations, Acute Diarrheal Diseases 54,126 cases (13.9%) out of total new consultations and Pneumonia, 12,264 cases (3.1%) out of total new consultations.
- A total of 204 deaths were reported this week, of which 33 were due to Surveillance targeted diseases, which includes 9 COVID-19 deaths, 15 Pneumonia deaths, 04 Acute Diarrheal Diseases deaths, and 05 Suspected Meningitis/Severely Ill Child deaths.
- A total of 284 Measles cases were reported in this week.
- During this week, 368 cases of AWD with dehydration related to last week AWD outbreak were reported from Kabul province, 02 suspected CCHF cases reported from Herat province, 01 suspected Measles outbreak reported from Kunar and 01 Dengue Fever outbreak reported from Nangarhar province and also, 489 COVID-19 confirmed cases reported at national level.

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

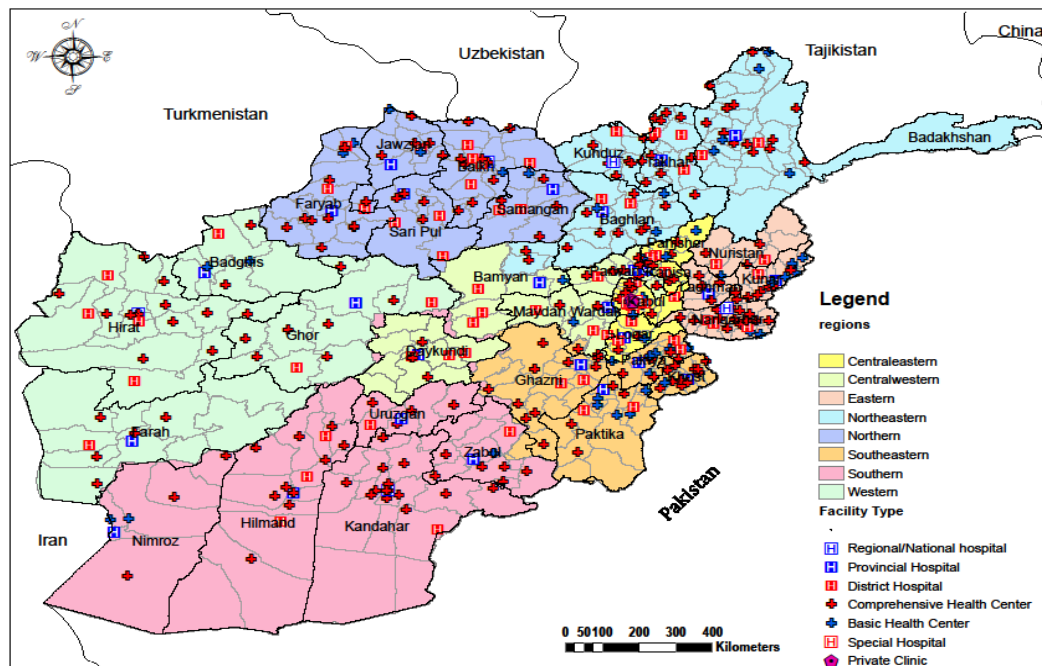


Table 1: Coverage of NDSR Surveillance System

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	241	43	284	0	0	0	0.00

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.

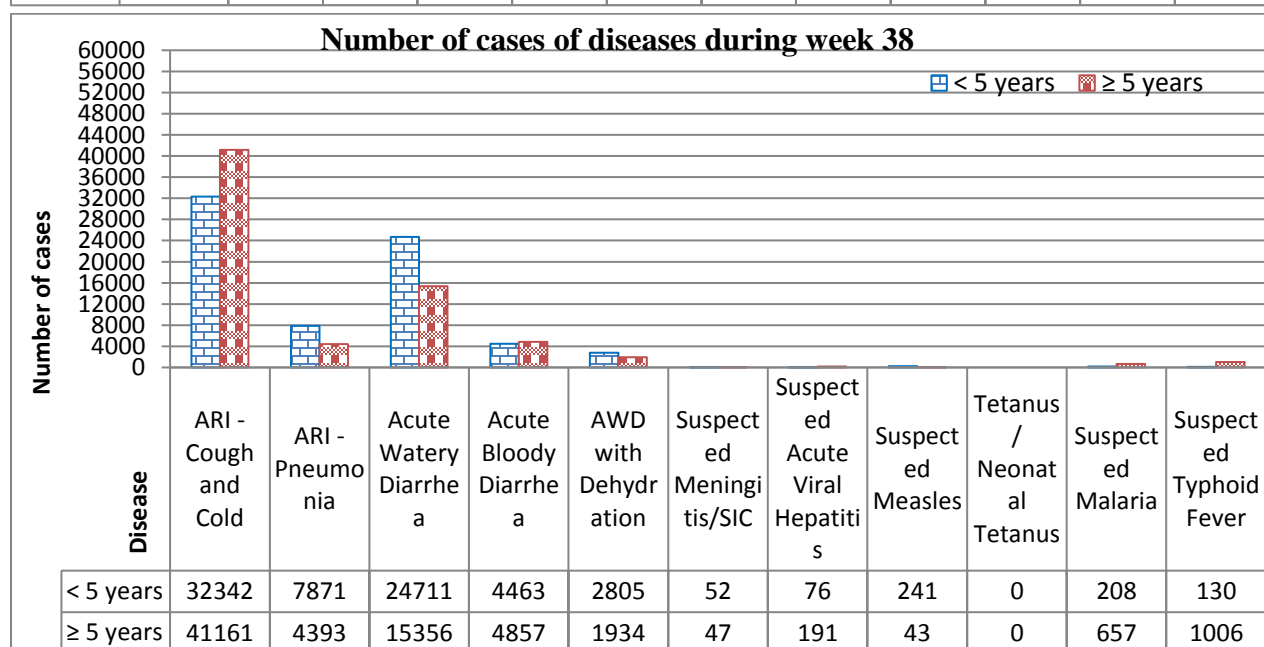
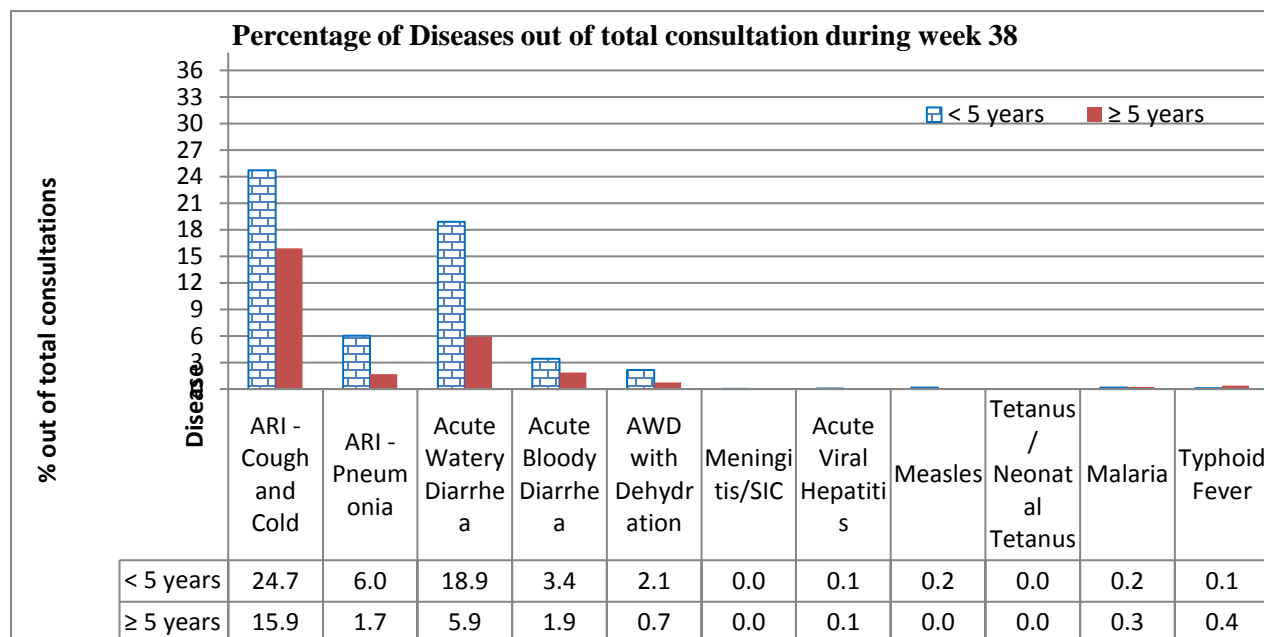
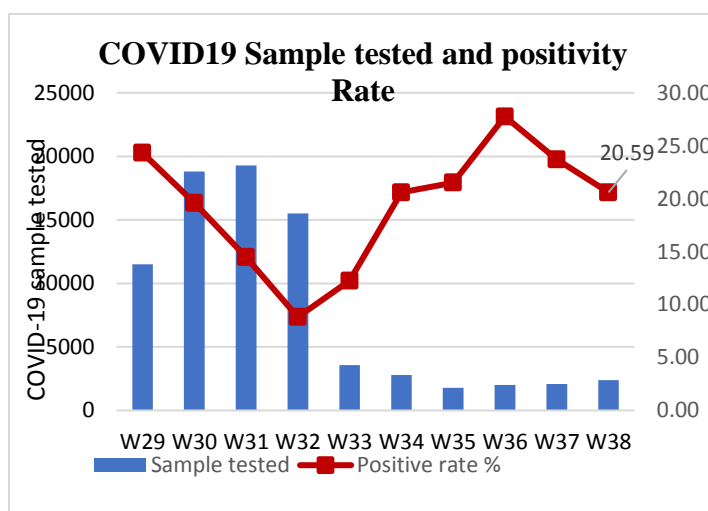
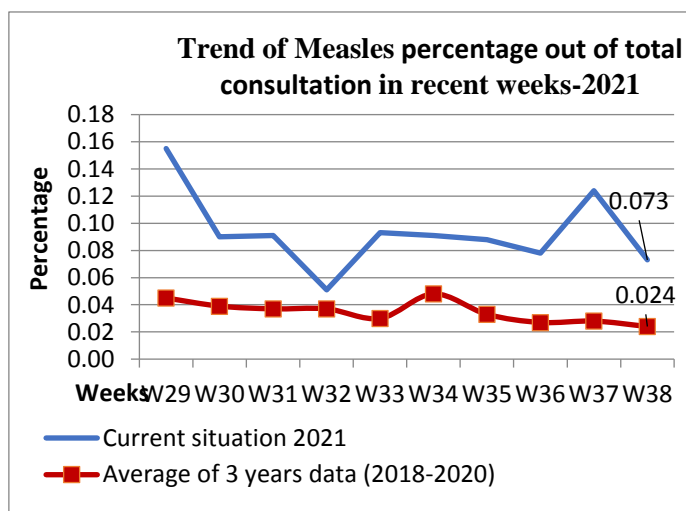
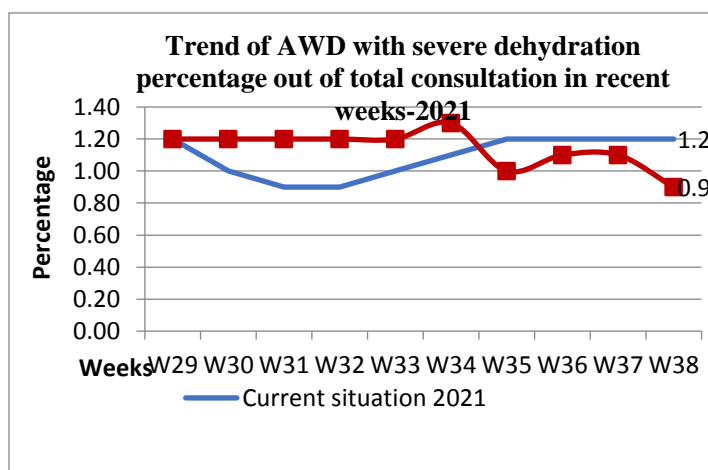
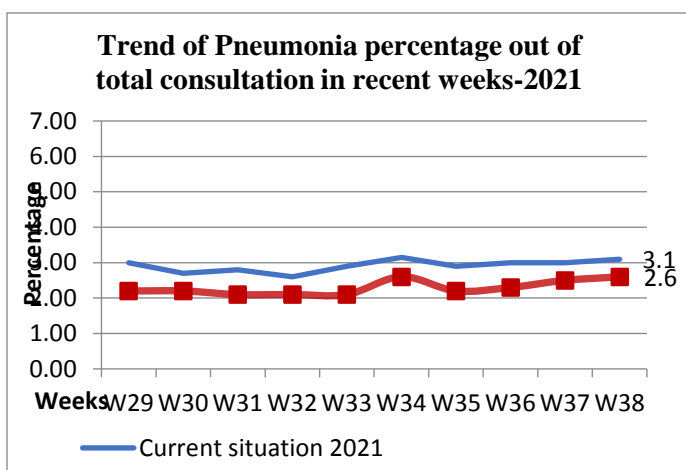


Table 2: Cases and deaths due to VPDs by age group during week 38th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	241	43	284	0	0	0	0

Seasonal Diseases:



AWD Outbreak								
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action take
19/09/2021	Kabul	Kabul districts	Kabul	10	358	368	0	In this week, 368 cases of last week AWD outbreak reported from Kabul city different areas and Surobi district of Kabul province, 368 clinical AWD cases with dehydration, including 141 cases with severe dehydration were 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.

Dengue fever cases							
Reported dated	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Recommendation/Action take
18/09/2021	Nangarhar	Dour Baba	Goroko	01	17	18	During this week, 18 Dengue fever cases were reported from Nangarhar province, Coordination and communication was done with all stakeholders at the local, provincial and national levels, as well as the Notice report was timely shared with relevant stakeholders. 18 blood serum specimens have been taken and sent to CPHL for confirmation. And 02 of them were IgM positive by ELISA Method in CPHL.

CCHF suspected cases								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
23/09/2021	Herat	Injil	Marqaz	1	0	45y	Housewife	During this week, 02 suspected CCHF cases were reported from Herat province, 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.
23/09/2021	Herat	Injil	shalbafan	1	0	16y	Daily wage Worker	

Suspected Measles Outbreak									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Coverage %	Recommendation /Action take

22/09/2021	Kunar	Sarkani	Ganjgal different villages	29	08	37	0	0%	In this week 01 suspected Measles outbreak was reported from Kunar and province with 37 clinical cases of measles, the outbreak was investigated, case management was done for all the cases. Health education session was conducted regarding this outbreak.
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Figure 2: COVID-19 cases and CCHF outbreak during the week 38th 2021

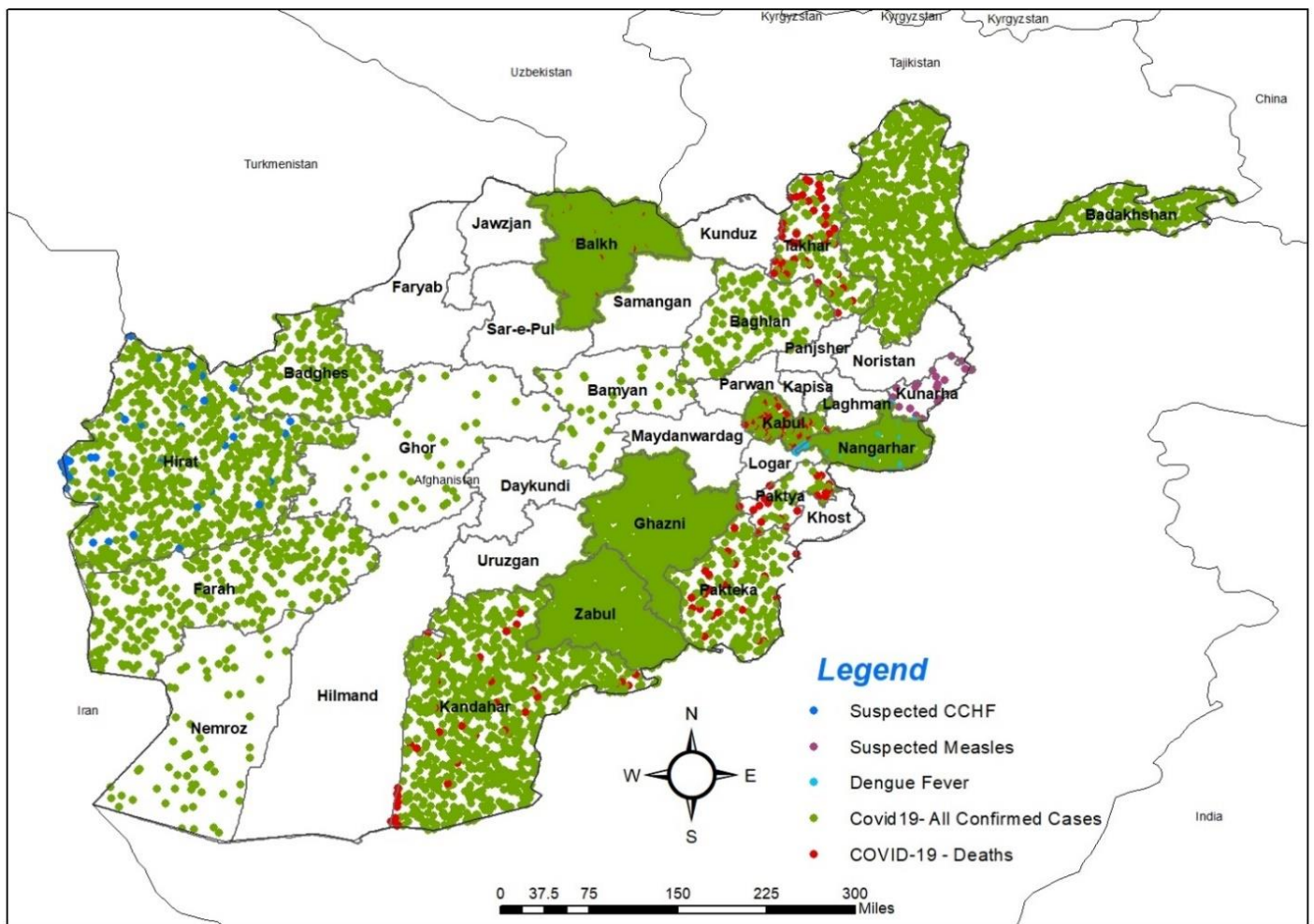


Table 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 25, September 2021)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	92	62	1026	35
CCHF	79	21	79	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	660	5
Food poisoning	2	0	26	0
COVID 19	1	1	103053	5028
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	0	18	0
Grand Total	204	87	105118	5077

Laboratory surveillance:

A total of **1,968** specimens were collected and shipped to CPHL, the regional and private labs. Out of which **489** specimens were confirmed for COVID-19 in this week.

Influenza Surveillance activities:

In Epidemiological week 38th 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, 156 (5.5%) Severe Acute Respiratory Infections cases were reported and 64% were under 5 years old. The proportion of SARI cases were increased as compared to week 37th 2021. 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 (21%), Kabul (18%), and Bamyan (14%). 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, **1,968** specimens were tested for suspected COVID-19. Out of which **489** 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 in most of the provinces compared to last week (in general 0.4 % less cases were reported, and 1.1 % lab samples positivity rate increased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is same as compared to previous week.
- Out of 828 contacts of **405** positive cases that were mostly family members with an average of 02 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 **75,356** 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, Dengue fever cases and Measles cases are in the increasing trend compared to last three years. .
- 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 support the outbreak investigation and response particularly the AWD, Measles and dengue fever outbreaks and other health emergencies, (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 strengthened 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 **284** 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.