



National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report–39th

Date: 26 Sep to 02 Oct, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 472 (92%) have submitted reports this week.
- A total of 396,674 new consultations, 150,330 (37.9%) were due to Surveillance targeted diseases. That included 79,777 male (53.1%) and 70,553 under five cases (46.9%).
- The main causes of consultations this week were ARI (Cough & Cold), 76,726 cases, (19.3 %) out of total new consultations, Acute Diarrheal Diseases 52,806 cases (13.3%) out of total new consultations and Pneumonia, 13,350 cases (3.4%) out of total new consultations.
- A total of 197 deaths were reported this week, of which 39 were due to Surveillance targeted diseases, which includes 12 COVID-19 deaths, 15 Pneumonia deaths, 04 suspected Measles deaths, 03 Typhoid Fever deaths, 02 Acute Bloody Diarrhea deaths, 02 Tetanus/Neonatal tetanus deaths, and 01 suspected Meningitis/ Severely Ill Child death.
- During this week, 397 cases of AWD with severe dehydration epi-linked with last month AWD outbreak from Kabul province, 21 Dengue fever suspected cases epi-linked with the previous week dengue fever outbreak from Nangarhar province were reported, also, 218 COVID-19 confirmed cases reported at national level.
- Moreover, in this week a total of 390 Measles cases and 04 deaths due to measles were reported at national level.

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

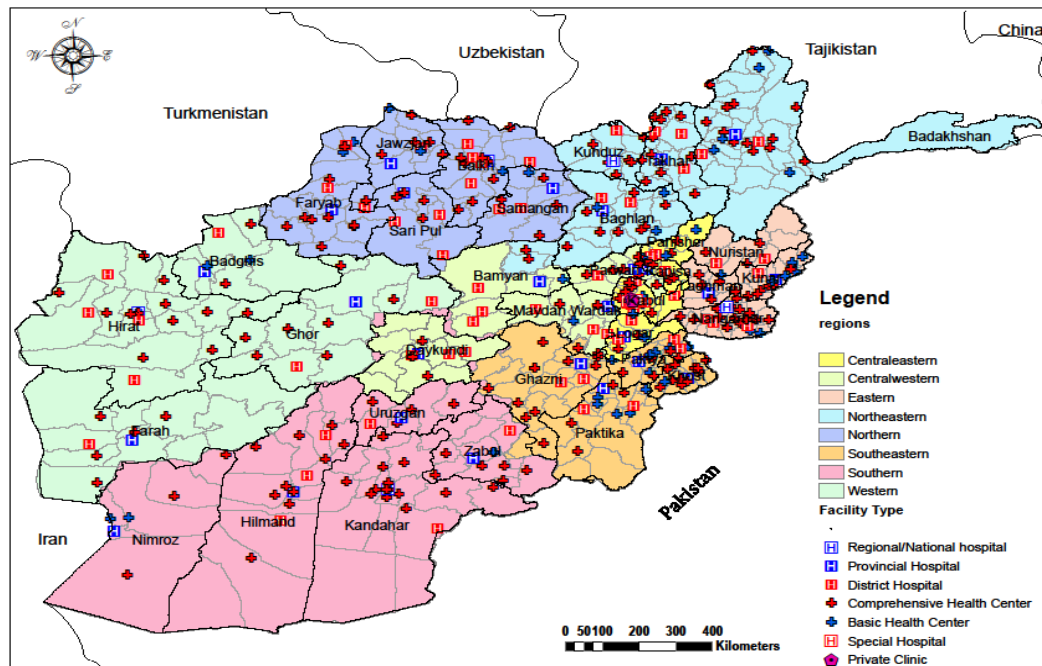


Table 1: Coverage of NDSR Surveillance System

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.

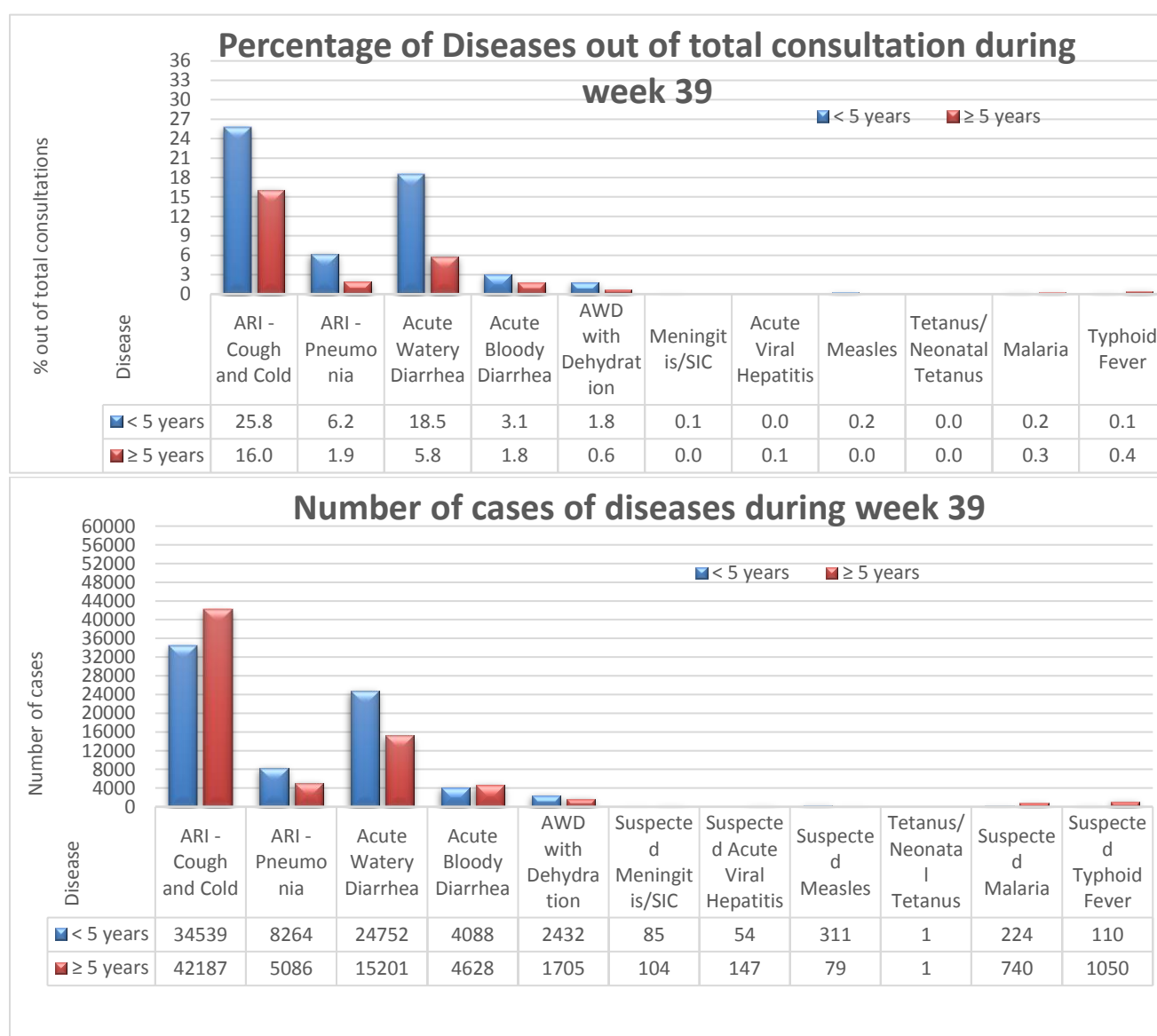
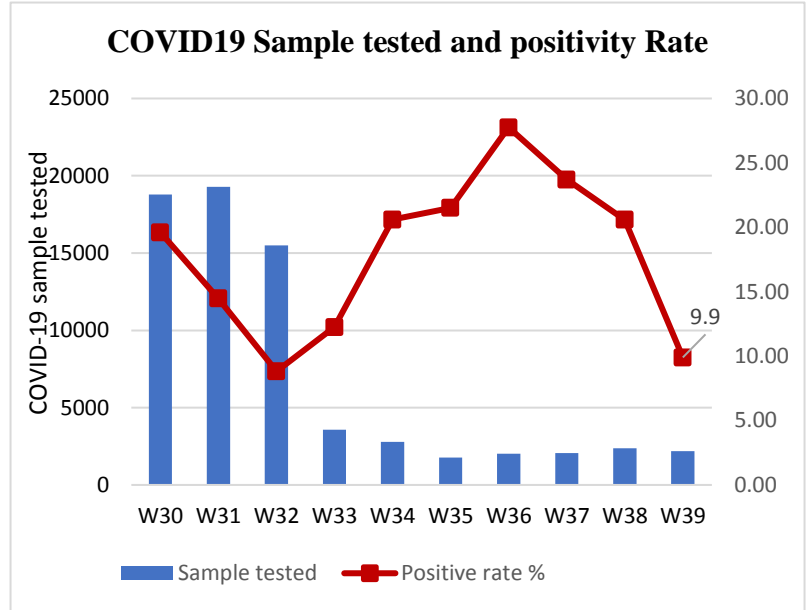
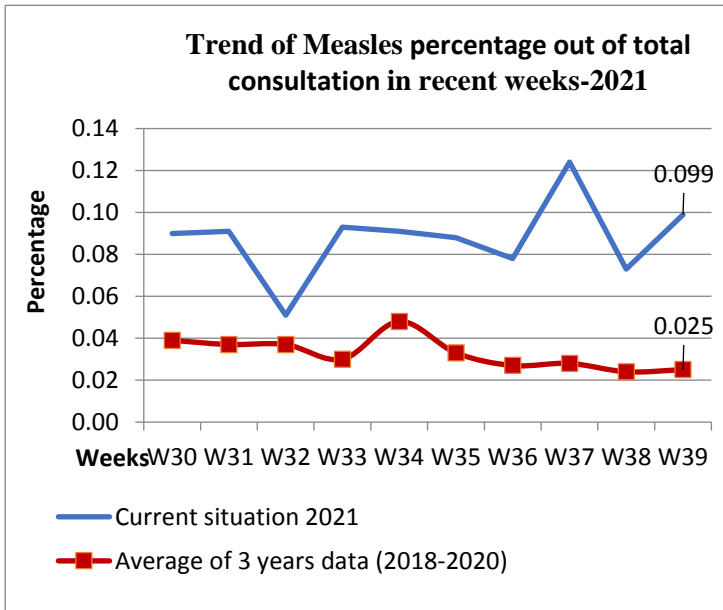
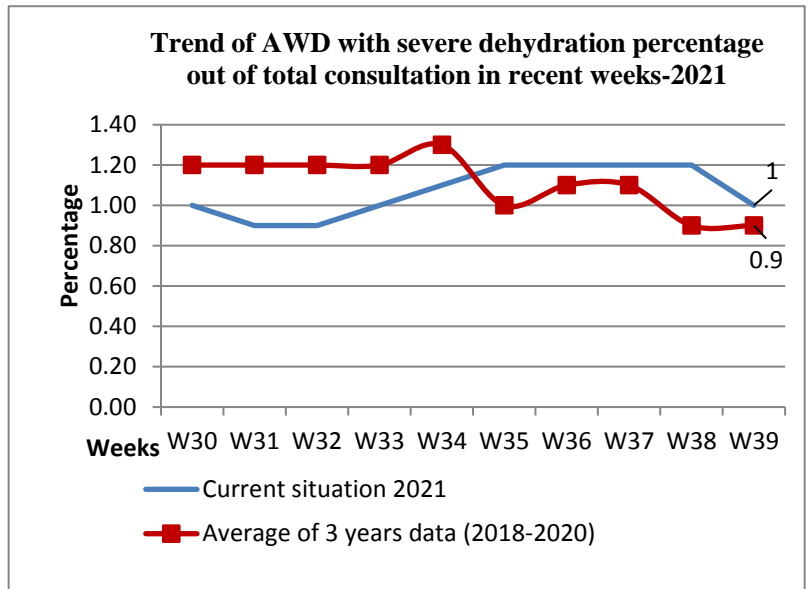
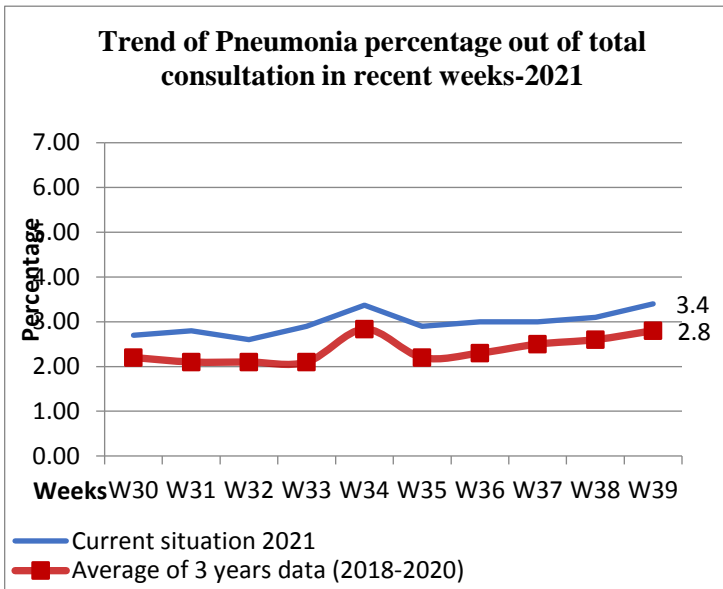


Table 2: Cases and deaths due to VPDs by age group during week 39th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	311	79	390	4	0	4	1.03

Seasonal Diseases:



AWD Outbreak								
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action take
26/09/2021	Kabul	Kabul districts	Kabul	15	382	397	0	In this week, 397 cases of AWD with severe dehydration epi-linked with the last month AWD outbreak reported from Kabul province including Surobi district, investigation is going on, active/daily surveillance is started, case management was done for all the cases. RDT sampling and sampling from stool for culture 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	
26/09/2021	Nangarhar	Mohmandara	Torkham, Gardi Ghaws	1	20	21	During this week, 21 Dengue fever suspected cases were reported epi-linked with the previous week outbreak from Nangarhar province, Coordination and communication was done with all stakeholders at the local, provincial and national levels, 14 blood serum specimens have been taken and sent to CPHL for confirmation, 12 were positive for Dengue fever	

Figure 2: COVID-19cases and CCHF outbreak during the week 39th 2021

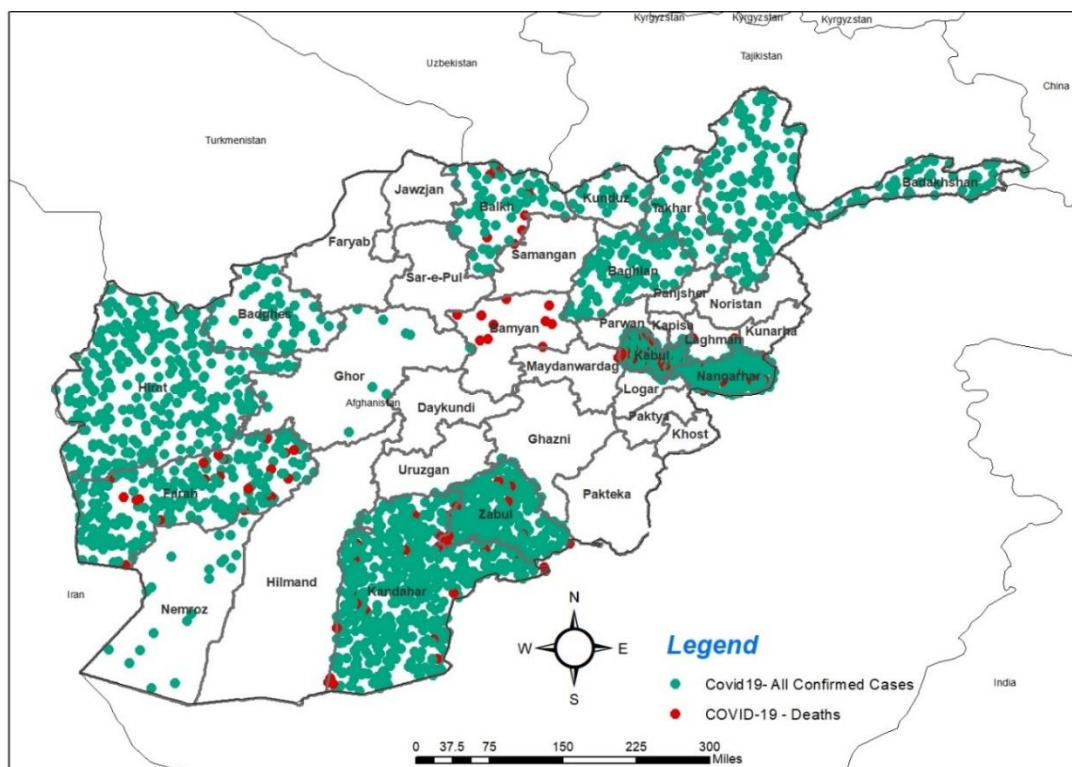


Table 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 02, October 2021)

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	742	7
Food poisoning	2	0	26	0
COVID 19	1	1	103271	5040
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	52	0
Grand Total	204	88	105452	5091

Laboratory surveillance:

A total of **2,194** specimens were collected and shipped to CPHL, the regional and private labs. Out of which **218** specimens were confirmed for COVID-19 in this week.

Influenza Surveillance activities:

In Epidemiological week 39th 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, 150 (5.2%) Severe Acute Respiratory Infections cases were reported and 65% were under 5 years old. The proportion of SARI cases were slightly decreased as compared to week 38th 2021. Two 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 (34%), Baghlan (14%) and Kabul (13%). In this epidemiological week, our field staff shipped 24 SARI and 18 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **2,194** specimens were tested for suspected COVID-19. Out of which **218** 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 55.4 % less number of cases were reported, and 14.9 % lab samples positivity rate increased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is the same as compared to previous week.
- Out of 539 contacts of 505 positive cases that were mostly family members with an average of 01 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 **61,968** passengers have been screened for COVID-19 in the points of entry of five provinces (Herat, Kandahar, Kunduz, Nangarhar and Nimroz provinces).

Challenges:

- Shortage of lab consumables in majority of the provinces for suspected COVID-19 and cholera cases.
- COVID-19 cases lab samples positivity rate increased in east region especially in Nangarhar province
- Rapid Response Teams (RRTs) are not functional in majority of the provinces.
- AWD cases with severe dehydration, Dengue fever cases and Measles cases are in the increasing trend compared to last three years.
- Inadequate lab testing capacity in the country

Recommendations:

- 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 to COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies, (At least one RRT in each province should keep functional).
- Emergency supply and buffer stock is needed for all the provinces in the outbreak prone areas
- 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 **390** 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.