

Ministry of Public Health

Monitoring Evaluation & Health Information System GD

Diseases Surveillance Department

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National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report 48th

Date: 28 Nov- 04 Dec, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 489 (95.3%) have submitted reports this week.
- A total of 480,230 new consultations, 197,585 (41.1 %) were due to Surveillance targeted diseases. That included 104,824 males (53.1%) and 92,761 females (46.9%). Also 92,842 (47 %) under five years old and 104,743 (53%) five and over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 129,326 cases, (26.9%) out of total new consultations, Acute Diarrheal Diseases 37,203 cases (7.7%) out of total new consultations and Pneumonia, 25,529 cases (5.3%) out of total new consultations.
- A total of 218 deaths were reported this week, of which 68 were due to Surveillance targeted diseases, which includes 06 COVID-19 deaths, 48 Pneumonia deaths, 08 suspected Meningitis/Severely Ill Child deaths, 03 Acute Watery Diarrhea deaths, 01 Neonatal Tetanus death, 01 Typhoid Fever death and 01 Pregnancy-related death.
- A total of 620 Measles suspected cases (577 IBS and 43 EBS) with 05 deaths were reported in this week.
- During this week, 155 AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- Also, 34 Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported.
- In addition, during this week 03 Measles Outbreaks were reported from Daikundy, Paktika and Ghor provinces.
- Moreover, 222 COVID-19 confirmed cases reported at national level.

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

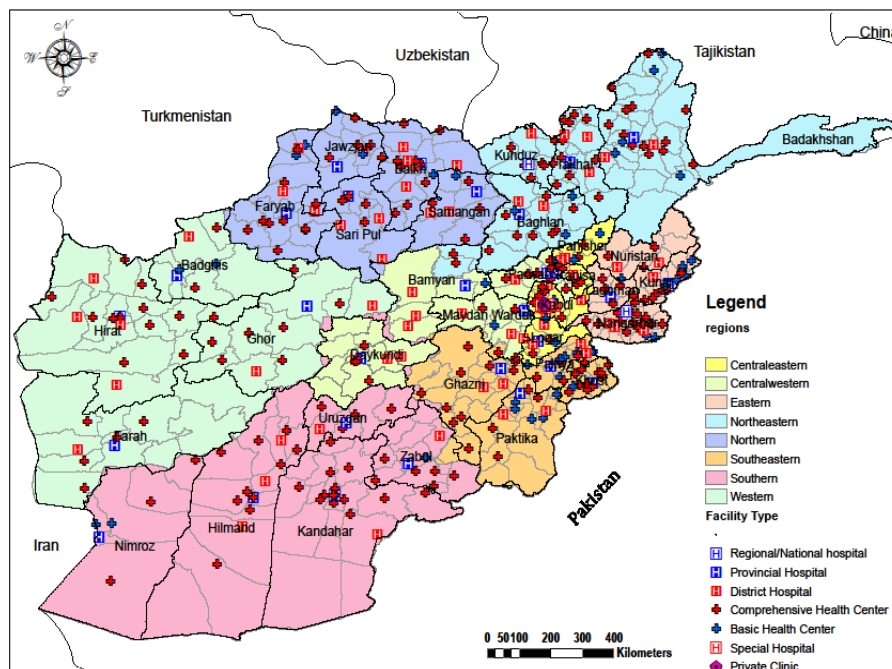


Table 1: Coverage of NDSR Surveillance System

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.

Figure 2: A

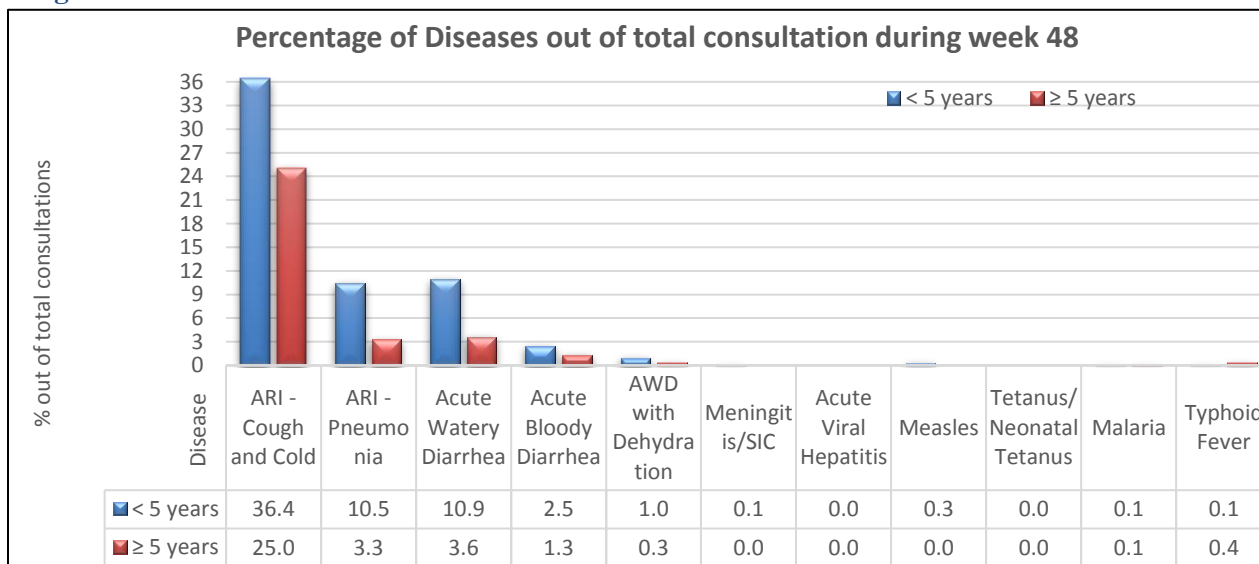


Figure 2: B

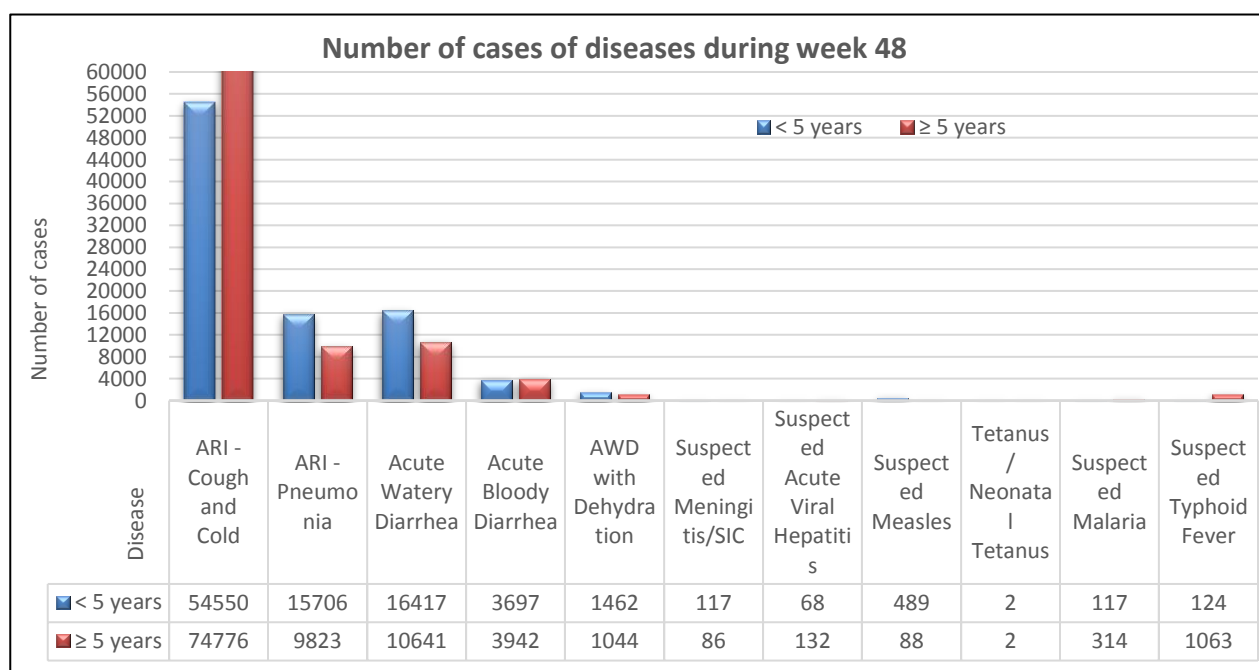


Table 2: Cases and deaths due to VPDs by age group during week 48th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	489	88	577	2	0	2	0.003
Tetanus/ Neonatal Tetanus	2	2	4	0	1	1	0.25

Seasonal Diseases:

Figure 3: A

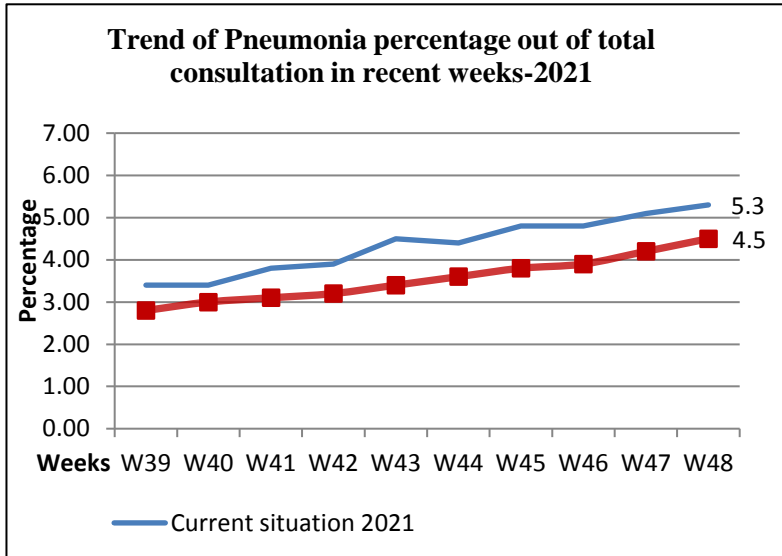


Figure 3: B

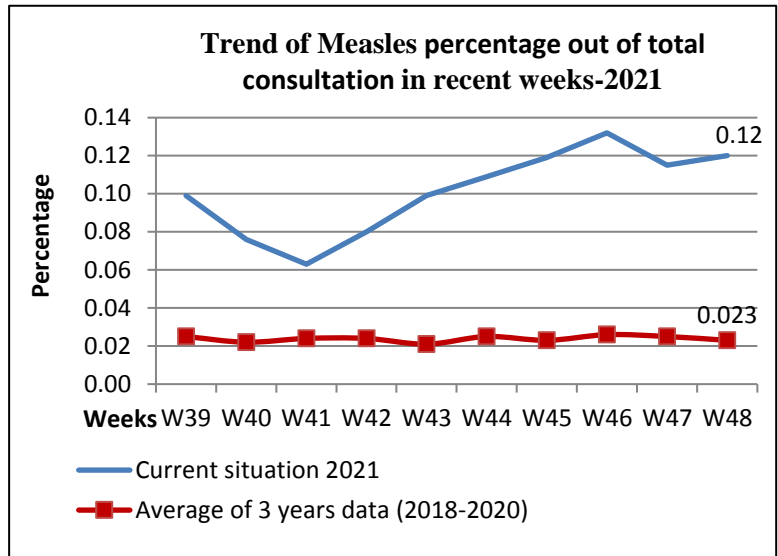


Figure 3: C

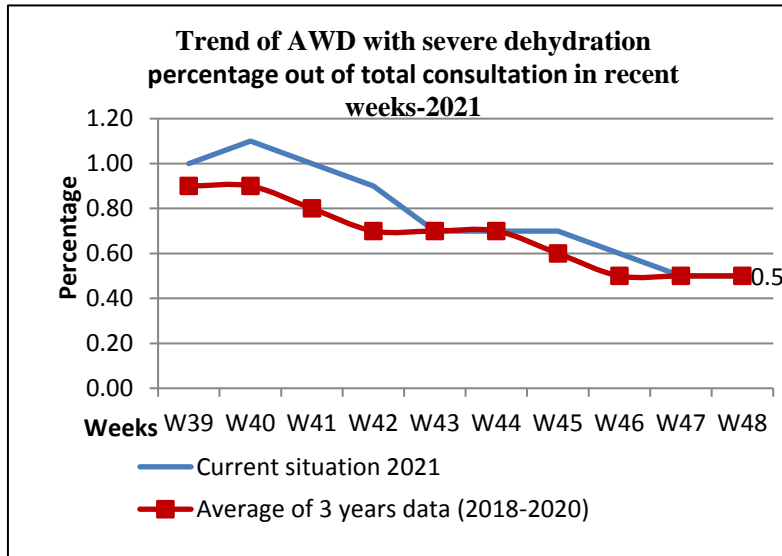


Figure 3: D

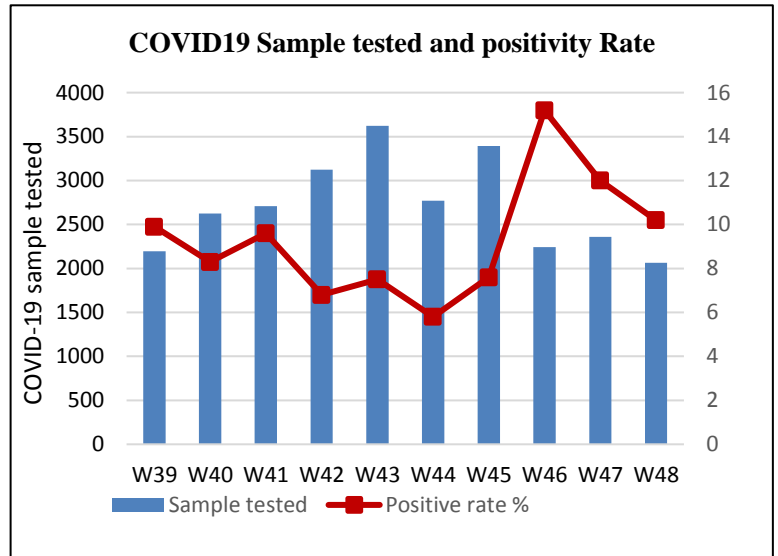


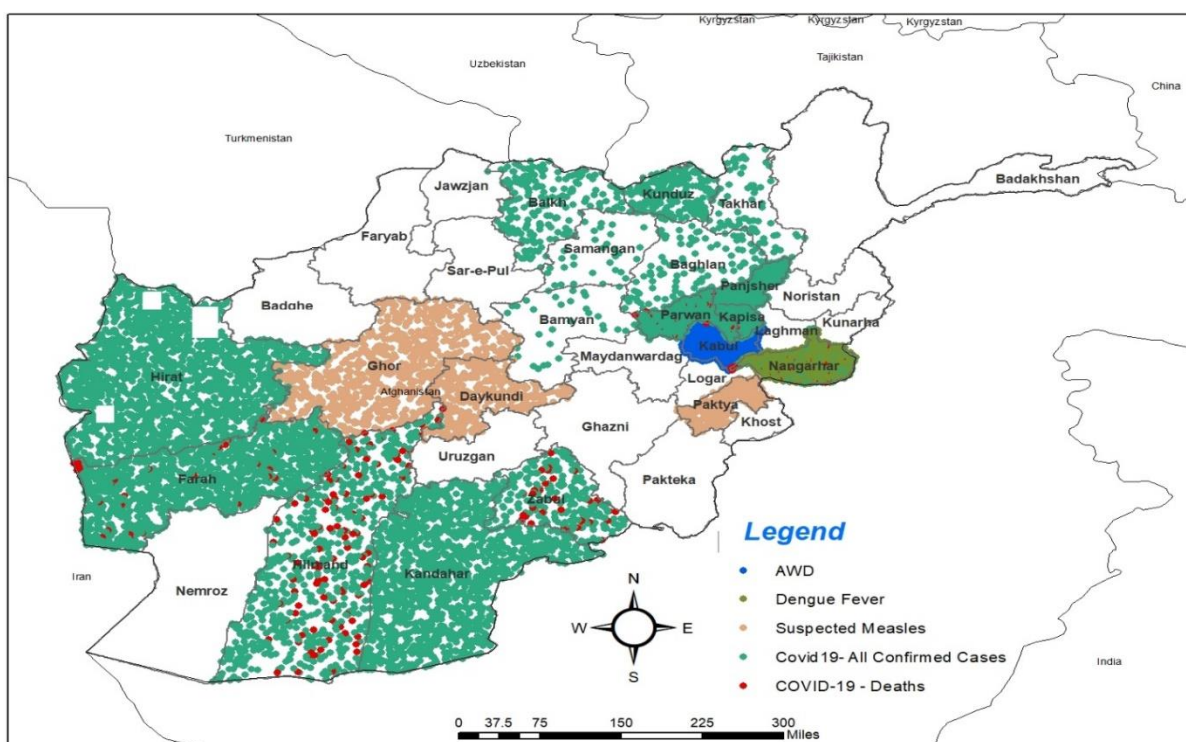
Table 3: Part of Outbreaks:

Follow up of AWD Outbreak (Kabul)									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken	
28/11/ 2021	Kabul	Kabul districts	Kabul	48	107	155	0	In this week, 155 AWD new cases epi-linked with Kabul province AWD outbreak reported, Active/daily surveillance and the cases investigation is going on, 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	Total deaths	Recommendation/Action taken	
28/11/2021	Nangarhar	Nangarhar 04 districts	Different villages of 04 district of Nangarhar province	0	34	34	0	During this week, 34 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, 05 blood serum specimens have been collected and shipped to CPHL for confirmation, and one specimen was confirmed for Dengue fever.	
Suspected Measles cases (Paktika, Ghor and Daykundi provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
30/11/2021	Paktika	Della	Chore	05	03	08	0	10%	In this week, 03 Measles outbreaks were reported from Paktika, Ghor and Daykundi provinces. The outbreaks were investigated, case management was done for all the outbreaks and cases, also health education sessions were conducted.
30/11/2021	Ghor	Taywara	Kil go	24	0	24	0	85%	
02/12/2021	Daykundi	Khedeer	Sayar Ulya	07	04	11	03	0%	

Table 4: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 04, Dec, 2021)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	117	62	1327	45
CCHF	84	21	84	5
Dog bites/Suspected Rabies	12	0	74	0
Acute Watery Diarrhea	3	2	4348	8
Pertussis	6	0	59	1
Scabies	3	0	71	0
Diphtheria	3	0	6	1
ARI	1	0	11	0
Acute Influenza	1	1	5	0
COVID 19	1	1	105308	5127
Food poisoning	2	0	26	0
Polio Myelitis	1	0	2	0
Unknown Poisoning	1	0	12	3
Malaria	1	0	13	0
Mass psychogenic Illness	1	0	16	0
Tick bite	1	0	9	0
Dengue fever	1	1	704	0
Gas (CO) Poisoning	1	0	18	0
Chickenpox	1	0	9	0
Leishmaniasis	1	0	29	0
Grand Total	242	88	112131	5190

Figure 4: Distributions of COVID-19, Dengue, AWD and Measles cases and deaths during week 48th



Laboratory surveillance:

A total of **6,143** specimens were collected and shipped to CPHL, regional and private labs. Out of which **222** specimens were confirmed for COVID-19, **10** specimens were confirmed for Measles, **01** specimen was confirmed for Dengue, and **01** specimen was confirmed for ILI in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 48th 2021, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admissions, 137 (3.5%) Severe Acute Respiratory Infections cases were reported and 61 were under 5 years old. The proportion of SARI cases were decreased as compared to week 47th 2021 due. The data was reported less in this week as the assistants were attended a training in Kabul province. 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 Kabul (24%), Kapisa (20%) and Paktya (11%). In this epidemiological week, our field staff shipped 43 SARI and 28 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **6,009** specimens were tested for suspected COVID-19. Out of which **222** 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 **30%** compared to last week, (and 1.8% lab samples positivity rate decreased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is **28.6%**, which increased 1.1% compared to last week.
- Out of **315** contacts of **133** confirmed 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 **85,252** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz provinces).

Challenges:

- No lab capacity for the confirmation of the new COVID-19 variate (Omicron) in the country
- Suspected Measles cases and outbreaks are in the increasing trend (620 measles cases and 05 deaths were reported in this week).
- Weak preventive and control measures for Dengue fever outbreak in Nangarhar province
- Weak preparedness for the expected outbreaks and health emergencies in coming months.
- Shortage of lab consumables in majority of the provinces for COVID-19, Influenza and suspected cholera cases.

Recommendations:

- CPHL should be supported for the confirmation of the new COVID-19 variate (Omicron)
- RRTs should be functionalized again, to support the outbreak investigation and response for COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies.
- Vaccination coverage for measles and other vaccine preventable diseases need to be improved
- Preventive and control measures for Dengue fever should be strengthened in Nangarhar province

- Buffer stock and preparedness plan for the expected health emergencies are needed to be prepared at the provincial level
- Regular supply for lab consumables and lab testing kits for surveillance priority diseases including COVID-19 are needed and lab testing capacity needs to be strengthened and expanded to all the provinces.
 - **EPI:** As the system detected **620** suspected Measles cases, with 05 deaths due to measles in this week, 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.