

**Ministry of Public Health**  
**Monitoring Evaluation & Health Information System GD**  
**Diseases Surveillance Department**

وزارت صحت عامه  
 ریاست عمومی نظارت ارزیابی و سیستم معلومات صحی  
 دیپارتمنت سرویلانس امراض

د عامی روغتیا وزارت  
 د څارنی ارزونی او روغتیايي معلوماتو د سیستم عمومی ریاست  
 د ناروغيو د سرویلانس دیپارتمنت

National Disease Surveillance  
 & Response (NDSR)

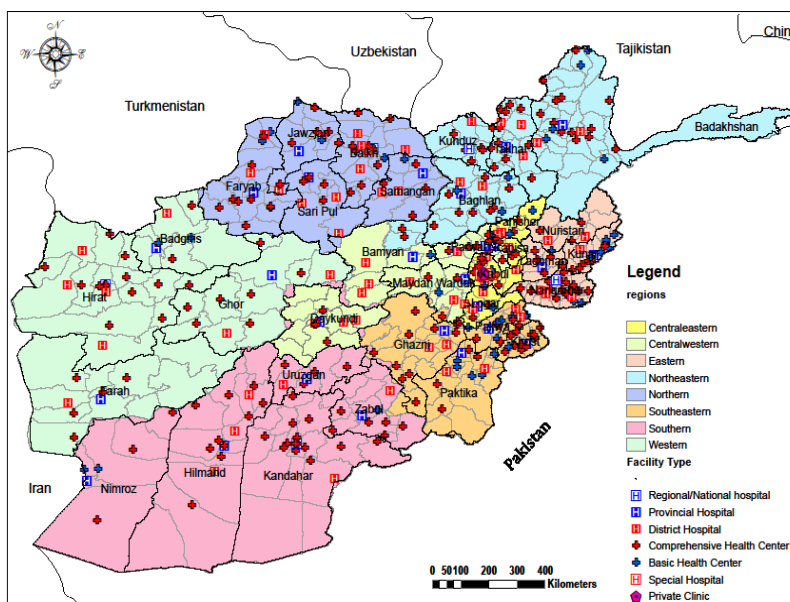
**NDSR Weekly Epidemiological Report 44<sup>th</sup>**

**Date: 31 Oct to 06 Nov, 2021**

**Summary:**

- Out of 513 functional Surveillance sentinel sites, 493 (96.1%) have submitted reports this week.
- A total of 431,553 new consultations, 169,350 (39.2 %) were due to Surveillance targeted diseases. That included 90,061 males (53. 2%) and 79,289 females (46. 8%). Also 81,831 (48.3 %) under five years old and 87,519 (51. 7%) five and over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 105, 604 cases, (24.5%) out of total new consultations, Acute Diarrheal Diseases 39,554 cases (9.2%) out of total new consultations and Pneumonia, 18,791 cases (4.4%) out of total new consultations.
- A total of 206 deaths were reported this week, of which 61 were due to Surveillance targeted diseases, which includes 07 COVID-19 deaths, 33 Pneumonia deaths, 08 Acute Diarrheal Diseases deaths, 05 suspected Acute Viral Hepatitis deaths, 04 suspected Meningitis/Severely Ill Child deaths, 03 suspected Measles death and 01 pregnancy-related death.
- A total of 533 Measles suspected cases and 07 deaths were reported in this week.
- During this week, 317 AWD hospitalized new cases epi-linked with last month's AWD outbreak reported from Kabul province.
- Also, 57 Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported
- In addition, during this week 02 outbreaks of Measles were reported from Badakhshan and Badghis provinces.
- Moreover, 161 COVID-19 confirmed cases reported at national level.

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

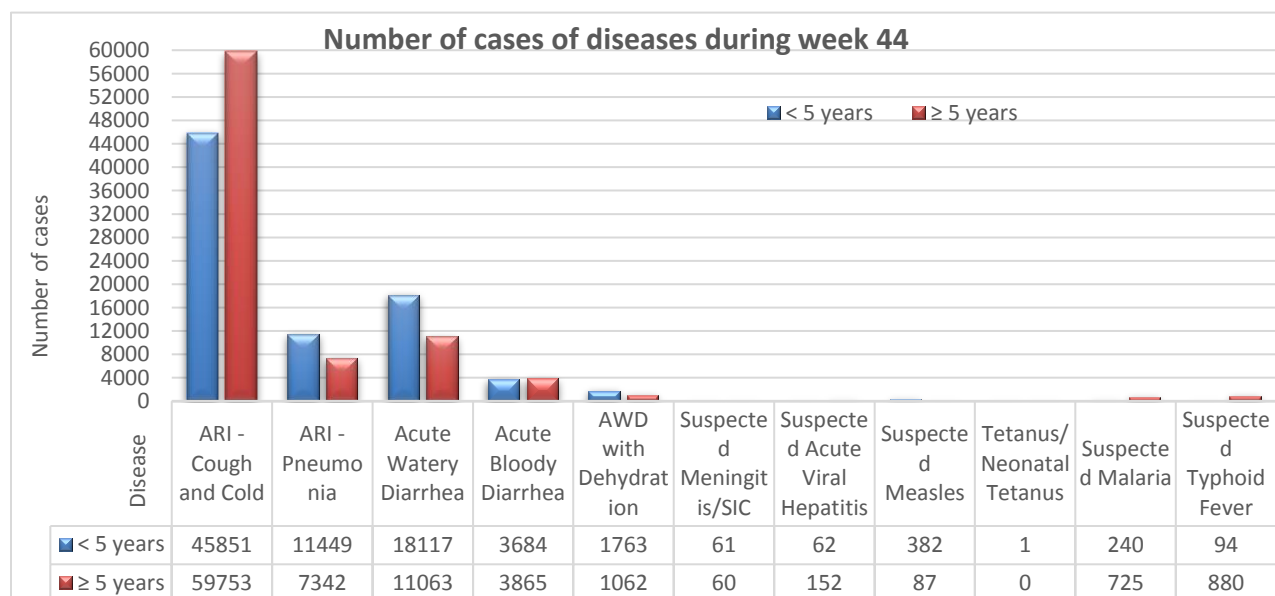
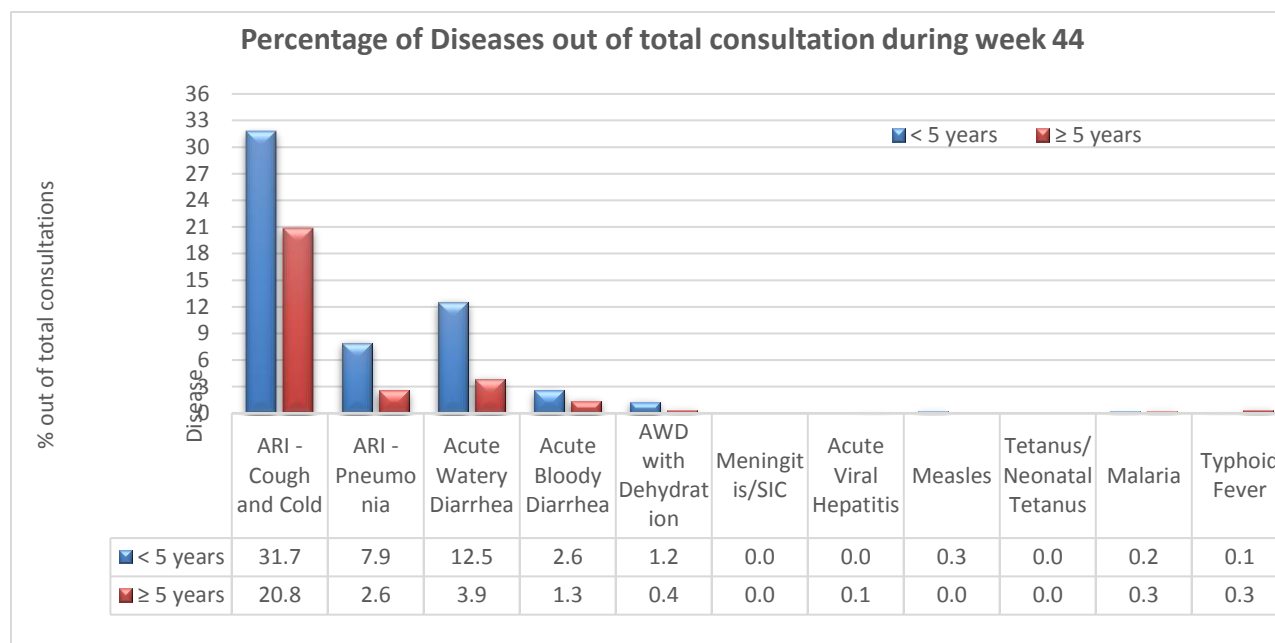


**Table 1: Coverage of NDSR Surveillance System**

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):**

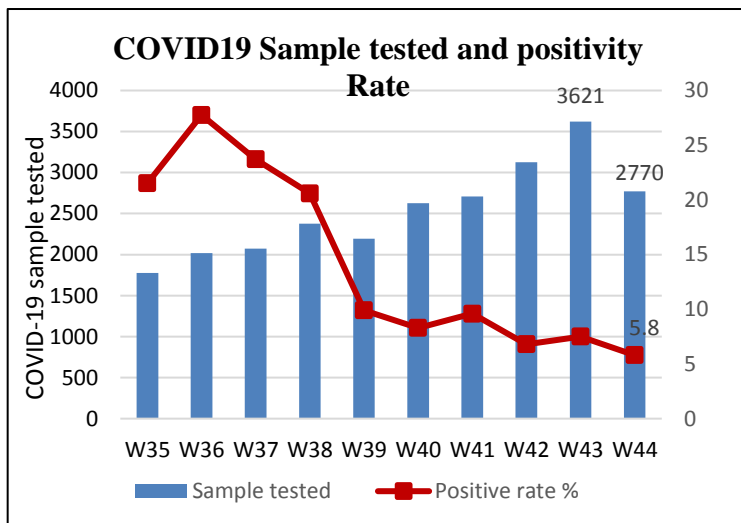
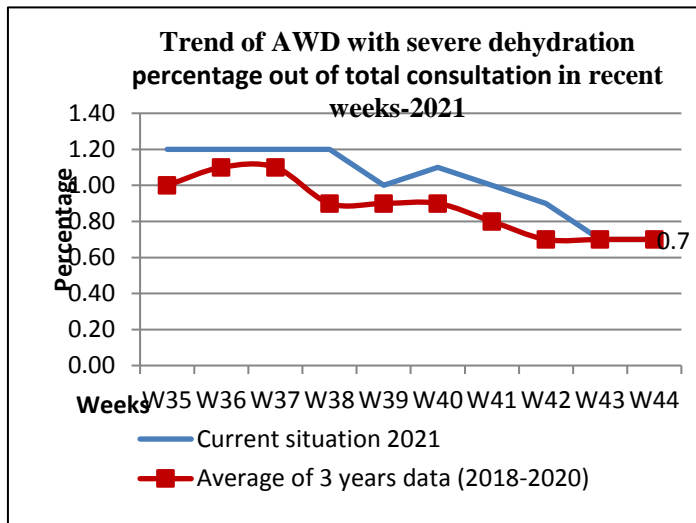
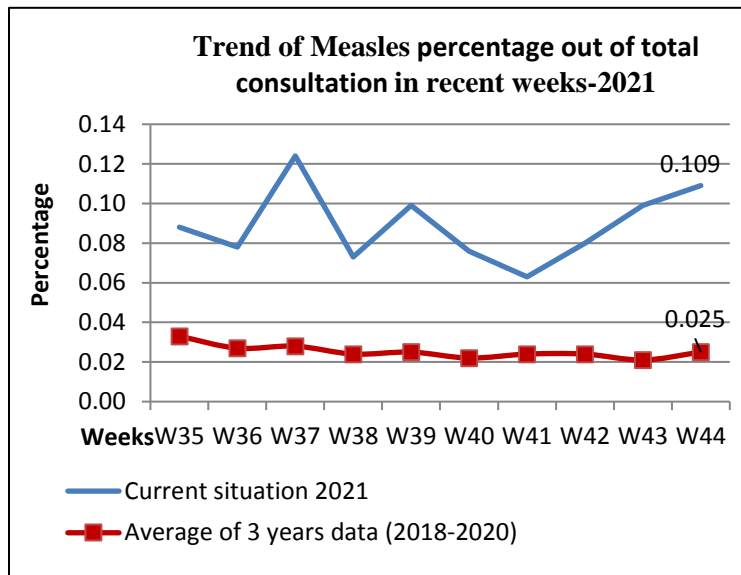
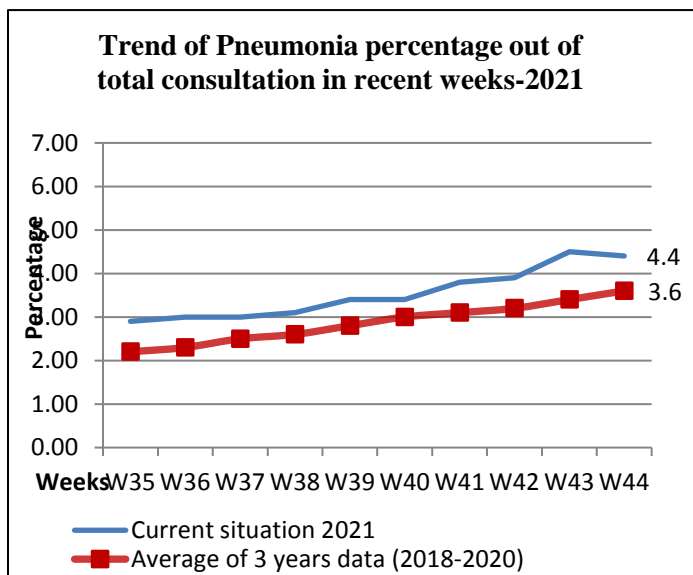
The Indicator-based surveillance component of NDSR report 17 priority conditions/infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and the corresponding weeks of previous years and the alert and epidemic threshold is checked to see if disease incidence has crossed these levels and necessary action is initiated.



**Table 2: Cases and deaths due to VPDs by age group during week 44<sup>th</sup>, 2021**

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	382	87	469	03	0	03	0.064

**Seasonal Diseases:**

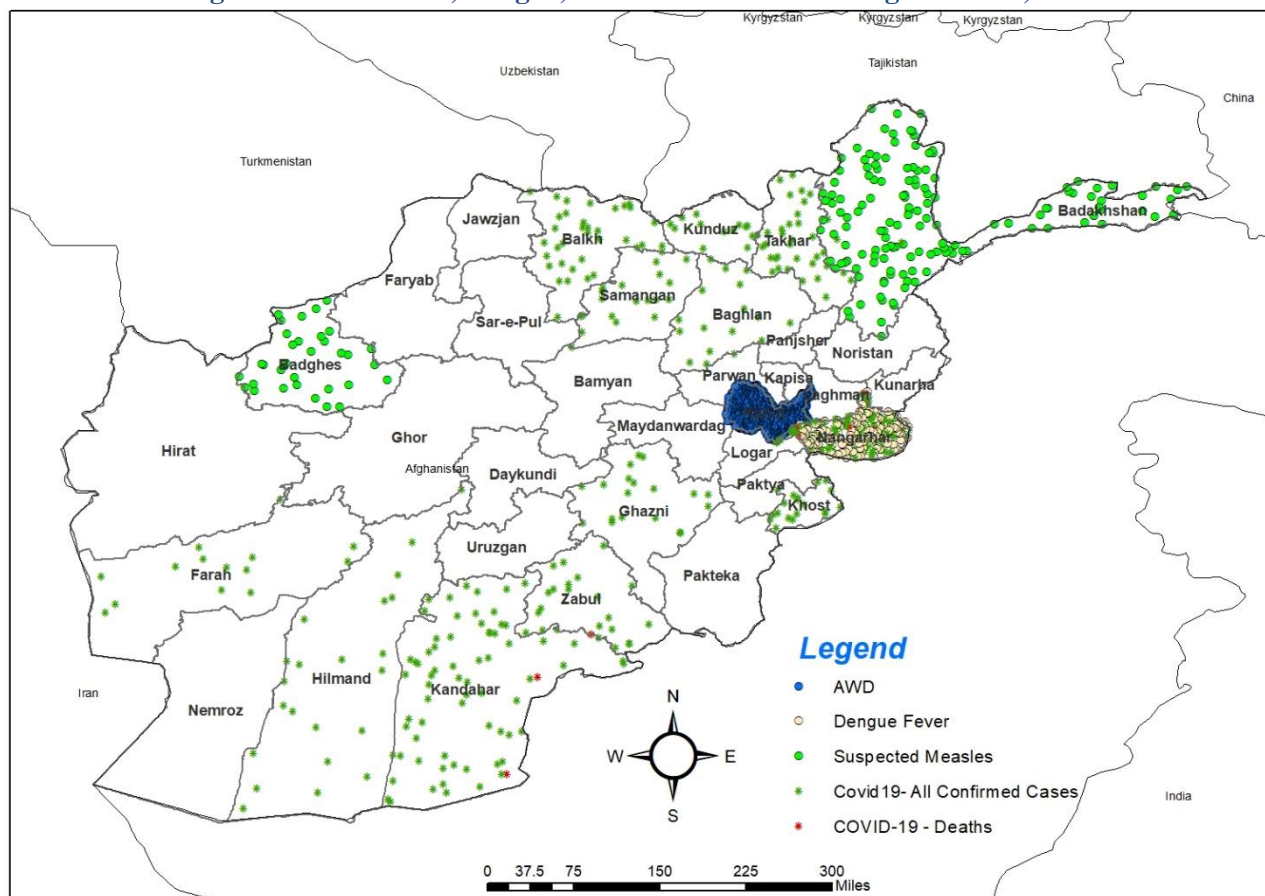


Follow up of AWD Outbreak (Kabul)								
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action take
31/10/ 2021	Kabul	Kabul districts	Kabul	91	226	317	0	In this week, 317 AWD hospitalized new cases epi-linked with the last month Kabul province AWD 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	Total deaths	Recommendation/Action take
01/11/2021	Nangarhar	Nangarhar 15 districts	Different villages of 15 district of Nangarhar province	0	57	57	1	During this week, 57 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, 51 blood serum specimens have been collected and shipped to CPHL for confirmation, among them 26 were positive for Dengue fever.

Suspected Measles cases (Badakhshan and Badghis provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action take
02/11/2021	Badakhshan	Yaftal	Shulkhazar	34	18	52	04	0%	In this week, 02 Measles outbreaks were reported from Badakhshan and Badghis provinces. The outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted. 12 lab samples collected and send to Lab for confirmation.
02/11/2021	Badghis	Jawand	Tagabbist	10	02	12	0	0%	

**Figure 2: COVID-19, Dengue, AWD and Measles during week 44<sup>th</sup>, 2021**



**T able 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 06, Nov, 2021)**

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	100	62	1157	40
CCHF	83	21	83	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	2893	8
Food poisoning	2	0	26	0
COVID 19	1	1	104170	5101
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	507	0
Malaria	1	0	13	0
<b>Grand Total</b>	<b>220</b>	<b>88</b>	<b>109118</b>	<b>5158</b>

### Laboratory surveillance:

A total of **2,964** specimens were collected and shipped to CPHL, regional and private labs. Out of which **161** specimens were confirmed for COVID-19, **26** specimens were confirmed for Dengue fever, **01** specimen was confirmed for Measles, **06** specimens confirmed for SARI and ILI in this week. (Follow up by the CPHL is going on).

### Influenza Surveillance activities:

In Epidemiological week 44<sup>th</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, 202 (6.2%) Severe Acute Respiratory Infections cases were reported and 63% were under 5 years old. The proportion of SARI cases were slightly decreased as compared to week 43<sup>th</sup> 2021. Fourteen SARI associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (27%), Kabul (22%) and Bamyan (14%). In this epidemiological week, our field staff shipped 49 SARI and 36 ILI specimens to the National Influenza Center (NIC).

### COVID-19 Surveillance activities:

In this week, **2,770** specimens were tested for suspected COVID-19. Out of which **161** 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 **40.6%** compared to last week, (and 1.7% lab samples positivity rate decreased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is **26.8%**, which decreased 2.6% compared to last week.
- Out of 475 contacts of 127 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 **79,148** passengers have been screened for COVID-19 in the points of entry of five provinces (Herat, Kandahar and Nangarhar provinces).

### Challenges:

- Suspected Measles cases were increased 15% compared to last week (in this week 533 measles cases and 07 deaths due to measles reported).
- Suspected Dengue fever cases were increased 14% compared to last week (in this week 57 dengue fever cases and 01 death due to dengue fever reported).
- 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.

### Recommendations:

- 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.
- Vaccination coverage for measles and other vaccine preventable diseases need to be improved
- Preventive 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 **533** suspected Measles cases, with 07 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.