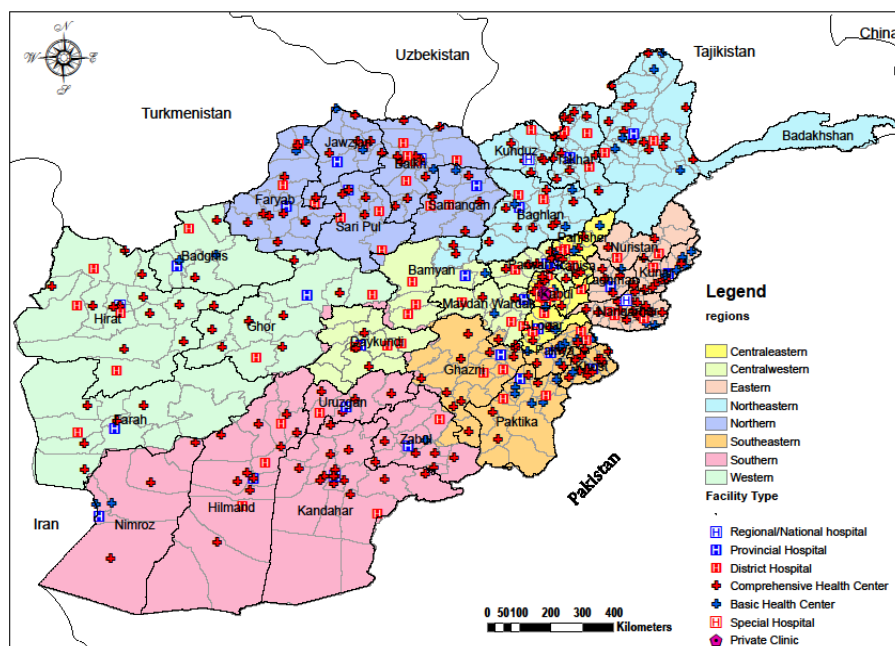


Summary:

- Out of 519 functional Surveillance sentinel sites, 501(96.5%) have submitted reports this week.
- A total of 501,443 new consultations, 206,173 (41.1%) were due to Surveillance targeted diseases. That included 108,534 males (52.6%) and 97,639 females (47.4%). Also, 97,415 (47.2%) under five years old and 108,758 (52.8%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 136,887 cases (27.3%) out of total new consultations, Acute Diarrheal Diseases 32,224 cases (6.4%) out of total new consultations and Pneumonia, 30,378 cases (6.1%) out of total new consultations.
- A total of 235 deaths were reported this week, of which 89 were due to Surveillance targeted diseases, which includes 06, COVID-19 deaths, 67 Pneumonia deaths, 08 suspected Measles Deaths, 02 Acute Watery Diarrhea deaths, 02 Pregnancy Related Deaths, 01 suspected Meningitis/ Severely ill Child death, 01 suspected Acute Viral Hepatitis death, 01 Suspected Pertussis death and 01 Neonatal Tetanus Death.
- A total of 1,334 Measles suspected cases with 08 deaths were reported in this week.
- During this week, 68 AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- In addition, during this week 08 outbreaks (06 suspected Measles outbreaks was reported from Wardak, Takhar, Faryab, Jawzjan, Sar-e-Pol and Nuristan provinces. One Suspected Rabies/Dog bites outbreak was reported from Parwan province and one diphtheria outbreak was reported from Kabul province.
- Moreover, **357** COVID-19 confirmed cases reported at national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2022



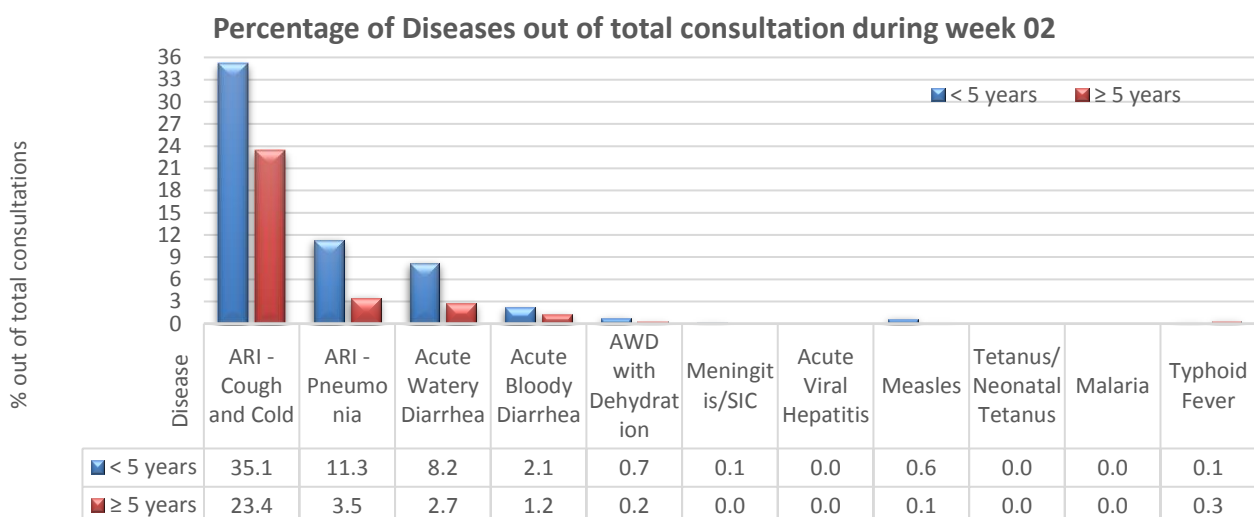
**Table 1: Coverage of NDSR Surveillance System**

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ Special Hospital	SHC	Other	Total
<b>Total Health Facilities (HF)</b>	8	27	91	437	900	36	1,106	2,093	4,698
<b>HF covered by NDSR-Plus</b>	6	25	80	310	80	13	1	4	519

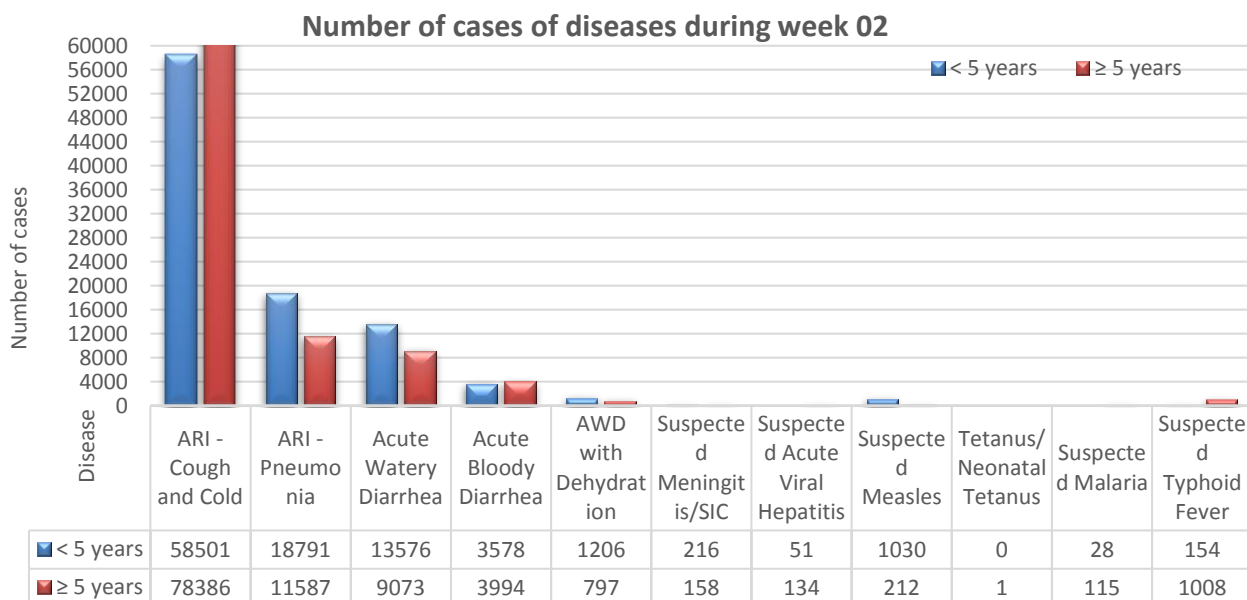
**Indicator - based Surveillance (IBS):**

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**



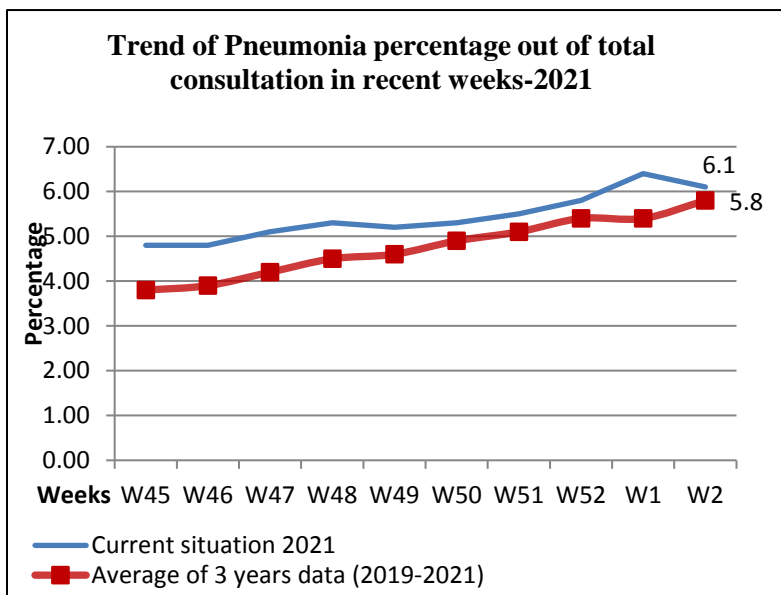
**Figure 2: B**



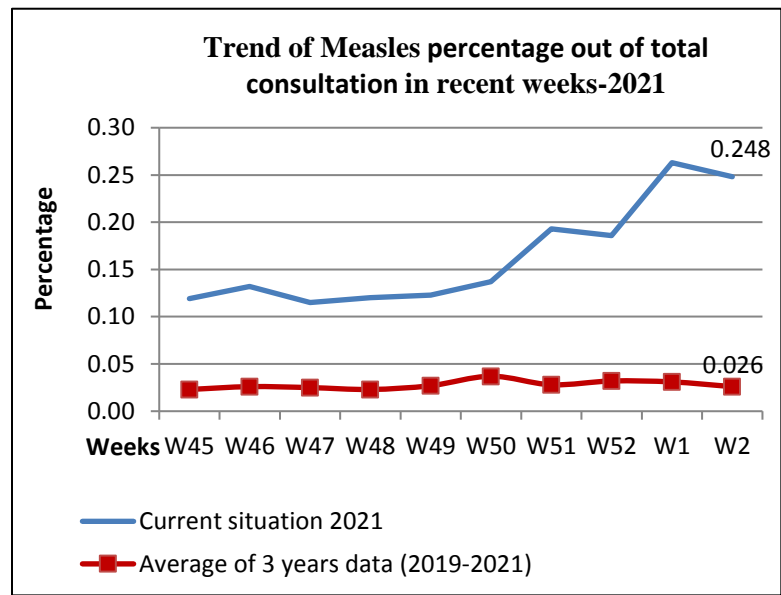
**Table 2: Cases and deaths due to VPDs by age group during week 02<sup>nd</sup>, 2022**

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	1030	212	1242	8	0	8	0.64
Suspected Pertussis	73	63	136	1	0	1	0.74
Tetanus/ Neonatal Tetanus	1	0	1	0	1	1	100.00

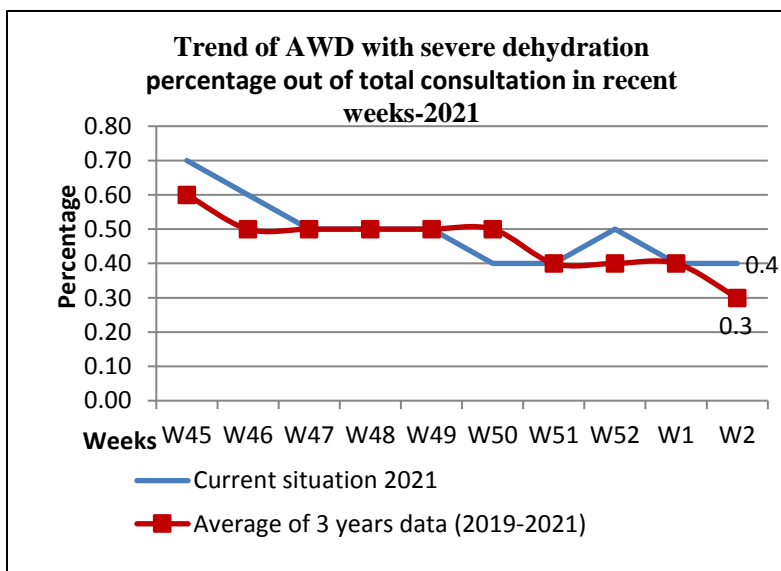
**Seasonal Diseases:  
Figure 3: A**



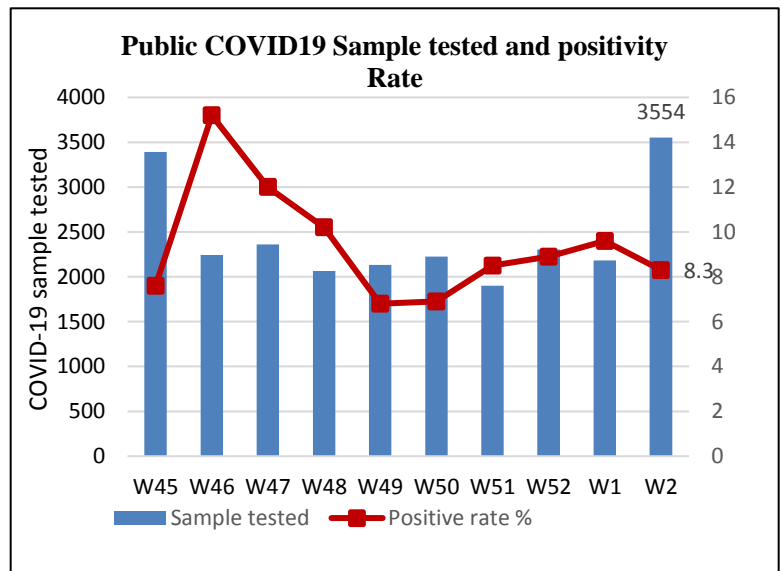
**Figure 3: B**



**Figure 3: C**



**Figure 3: D**



**Table 3: Part of Outbreaks:**

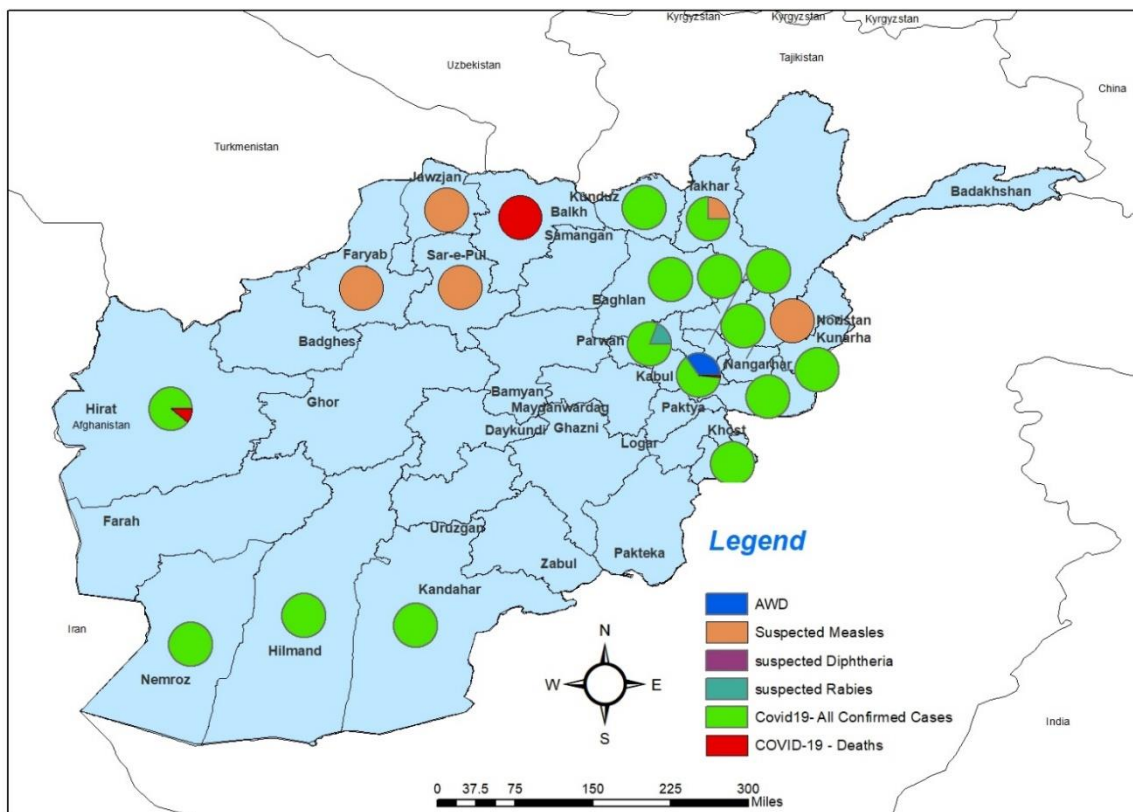
Follow up of AWD Outbreak (Kabul)									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken	
09/01/ 2022	Kabul	Kabul districts	Kabul	07	61	68	0	In this week, 68 AWD new cases epi-linked with Kabul province AWD outbreak reported, Active/daily surveillance and the case investigation is going on, case management was done for all the cases. Sample collection was done and shipped to CPHL for confirmation. In addition, Health education was conducted by the investigation team.	
Suspected Measles outbreaks ( Wardak, Takhar, Faryab, Jawzjan, Sar- e- Pol and Nuristan provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
10/01/2022	Wardak	Saydabad	Sorky	7	2	9	0	88%	In this week, 06 suspected Measles outbreaks were reported from Wardak, Takhar, Faryab, Jawzjan, Sar- e- Pol and Nuristan provinces. The outbreaks were investigated, case management was done for all the outbreaks and cases. Also, health education sessions were conducted. Vaccination of children in the surrounding villages of the affected villages is going on. Follow up reports will be shared.
12/01/2022	Takhar	Taloqan	Khaskapa	6	2	8	0	NA	
09/01/2022	Faryab	Ghormach	Ashorzay	12	0	12	0	NA	
12/01/2022	Jawzjan	Qarqin	Khan tepa and shortepa	22	6	28	0	30%	
07/01/2022	Sar e pul	Saripul	Kal Qashlaq	16	0	16	0	52%	
09/01/2022	Nuristan	Waigal	Hamshozo	18	1	19	0	95%	
Suspected Rabies / Dog bites Outbreak ( Kapisa province)									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
12/12/2021	Parwan	Seyah Gerd	Daraz Gerd	05	0	During this week, one Suspected Rabies outbreak was reported from Parwan province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted. Moreover, investigation team cut the head of the mentioned dog and shifted to Kabul for lab confirmation.			

Suspected Diphtheria outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/01/2022	Kabul	District 13	Barchi	1	1	In this week, one suspected Diphtheria outbreak was reported from Kabul province, the outbreaks was investigated, case management was done for all the cases, and health education session was conducted as well.

**Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 15, Jan, 2022)**

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	14	0	192	10
Acute Watery Diarrhea	1	1	106	0
COVID 19	1	1	582	18
Diphtheria	1	0	1	0
Dog bite/Suspected Rabies	1	0	5	0
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>886</b>	<b>28</b>

**Figure 4: Distributions of COVID-19, AWD and Measles, Dog bites and Diphtheria cases and deaths during week 02<sup>nd</sup>**



### Laboratory surveillance:

A total of **7,640** specimens were collected and shipped to CPHL from regional and private labs. Out of which **357** specimens were confirmed for COVID-19, **11** samples were confirmed for Measles in this week. (Follow up by the CPHL is going on).

### Influenza Surveillance activities:

In Epidemiological week 02<sup>nd</sup> 2022, we have received Epidemiological reports from 08 out of 09 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admissions, 238 (5.8%) Severe Acute Respiratory Infections cases were reported and 64 were under 5 years old. The proportion of SARI cases were slightly increased as compared to week 01<sup>st</sup> 2022. Eight 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 (36%), Kapisa (25%) and Bamyan (18%). In this epidemiological week, our field staff shipped 55 SARI and 36 ILI specimens to the National Influenza Center (NIC).

### COVID-19 Surveillance activities:

In this week, **6,889** specimens were tested for suspected COVID-19. Out of which **357** 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 increased **58.7 %** compared to last week, (and 1.3% lab samples positivity rate increased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level was **32.2%**, which increased 3.2% compared to last week.
- Out of **491** contacts of **128** 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. In addition, health education was conducted for them, about **72,333** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

### Challenges:

- COVID-19 cases and Bed Occupancy Rate (BOR) are increased compared to last week.
- Suspected Measles cases and outbreaks are in the increasing trend (in this week 1,334 measles cases and 08 deaths were reported).
- No lab capacity for confirmation of the new COVID-19 variate (Omicron) in the country.
- Shortage of lab samples collection consumables and testing kits in majority of the provinces for COVID-19, and other epidemic prone diseases.

### Recommendations:

- COVID-19 control functions should be strengthened, in order to be prepared for the possible coming wave of COVID-19 pandemic due to Omicron in Afghanistan
- Vaccination coverage for measles and other vaccine preventable diseases need to be improved
- CPHL should be supported for the confirmation of the new COVID-19 variate (Omicron)
- Regular supply for lab sample collection and testing kits for epidemic prone 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 **1,334** suspected Measles cases, with **08** deaths due to measles and 136 suspected pertussis cases with one death 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.