

National Disease Surveillance
& Response (NDSR)NDSR Weekly Epidemiological Report 08th**Date: 20- 26/02/2022****Summary:**

- Out of 519 functional Surveillance sentinel sites, 496 (95.6 %) have submitted reports this week.
- A total of 474,587 new consultations, 190,223 (40.1) were due to Surveillance targeted diseases. That included 100,850 males (53%) and 89,373 females (47%). Also, 89,156 (46.9%) under five years old and 101,067 (53.1%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 122,458 cases (25.8%) out of total new consultations, Acute Diarrheal Diseases 30,292 cases (6.4%) out of total new consultations and Pneumonia, 29,744 cases (6.3 %) out of total new consultations.
- A total of 204 deaths were reported this week, of which 156 were due to Surveillance targeted diseases deaths, which includes 58 Pneumonia deaths, 35 suspected Measles deaths, 55 COVID-19 deaths, 05 suspected Meningitis/Severely ill Child deaths, 02 pregnancy-related deaths and 01 suspected Acute Viral Hepatitis death.
- A total of **2,544** suspected Measles cases with **35** deaths were reported in this week.
- During this week, 18 AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- In addition, during this week 23 outbreaks (20 suspected Measles outbreaks were reported from Baghlan, Kunduz, Badakhshan, Takhar, Farah, Nuristan, Nangarhar, Paktika, Khost, Urozgan, Zabul, Numroz, Helmand, Logar, Wardak, Parwan, Faryab and Jawzjan provinces, 01 Food poisoning outbreak was reported from Kapisa province, 01 CCHF outbreak was reported from Helmand province and 01 Suspected Pertussis outbreak was reported from Badakhshan province).
- Moreover, **1359** COVID-19 confirmed cases reported at national level.

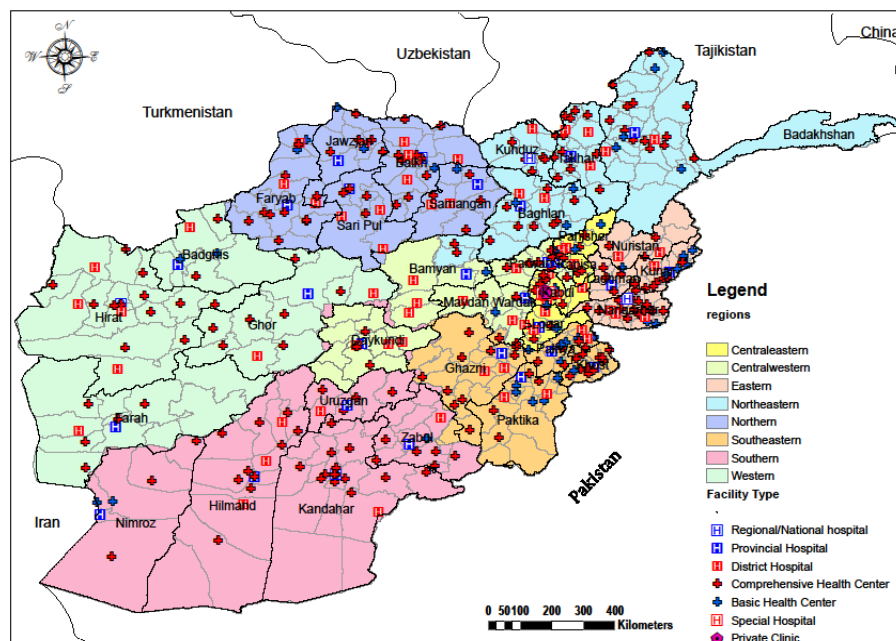
Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2022

Table 1: Coverage of NDSR Surveillance System

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

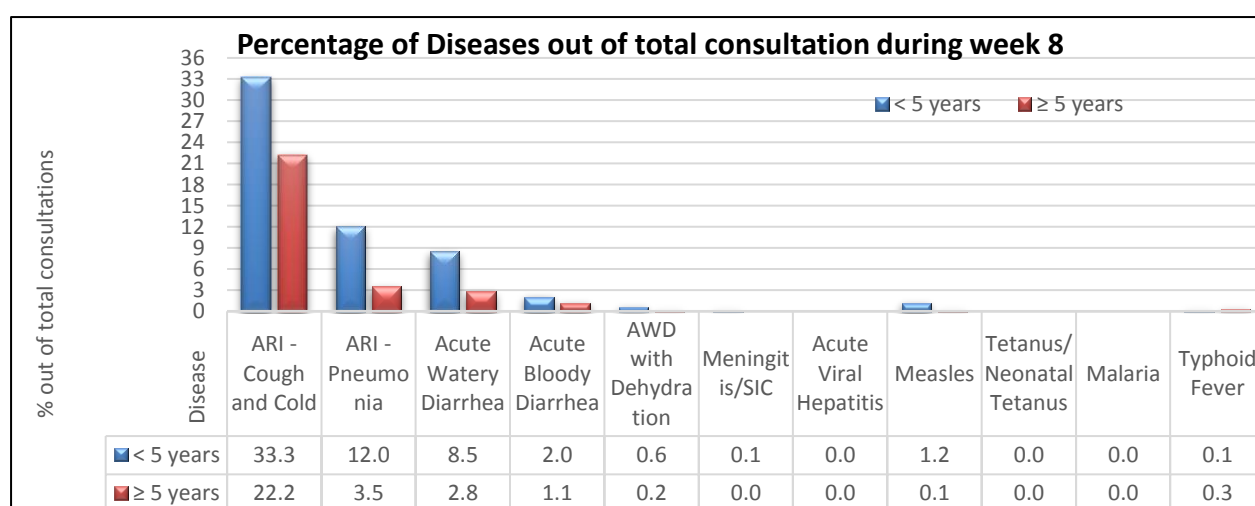


Figure 2: B

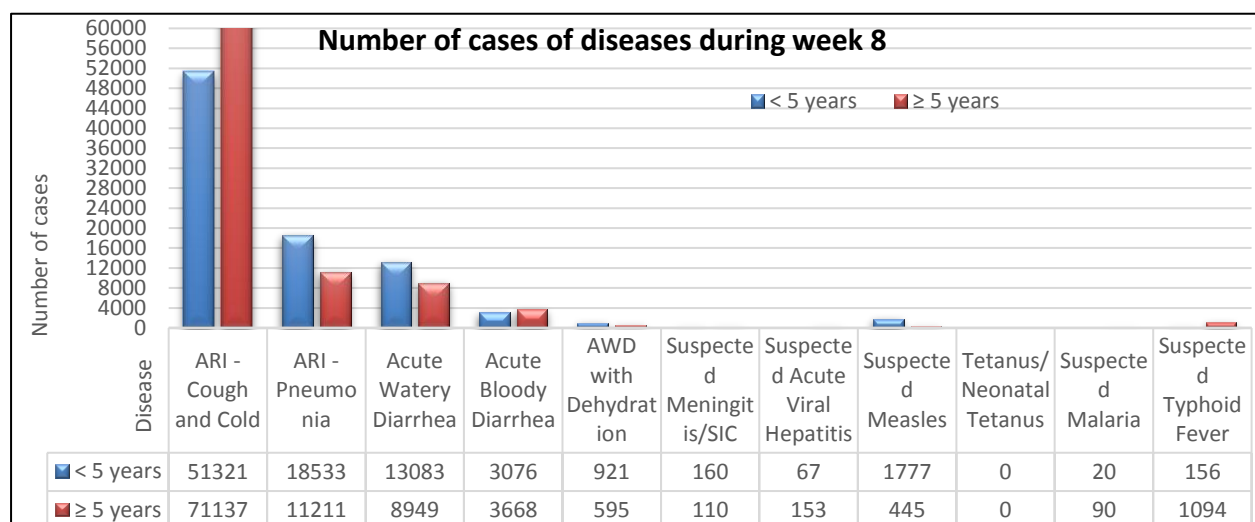


Table 2: Cases and deaths due to VPDs by age group during week 08th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	1777	445	2222	17	0	17	0.77
Suspected Pertussis	3	1	4	0	0	0	0

Seasonal Diseases:

Figure 3: A

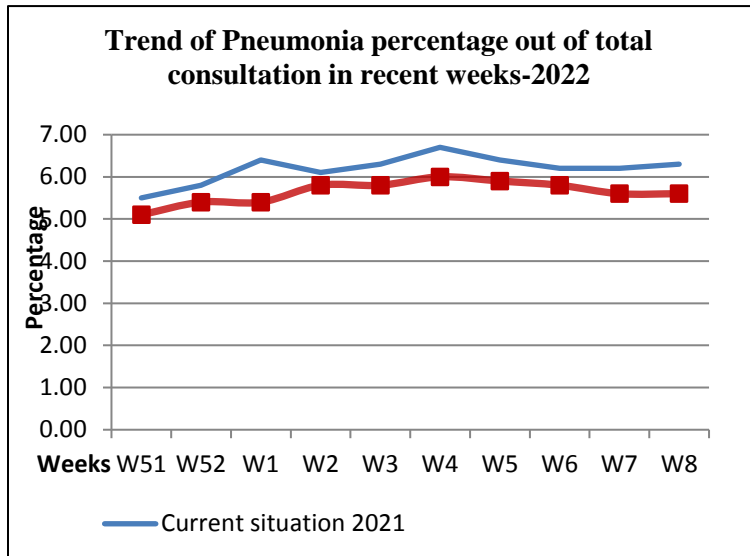


Figure 3: B

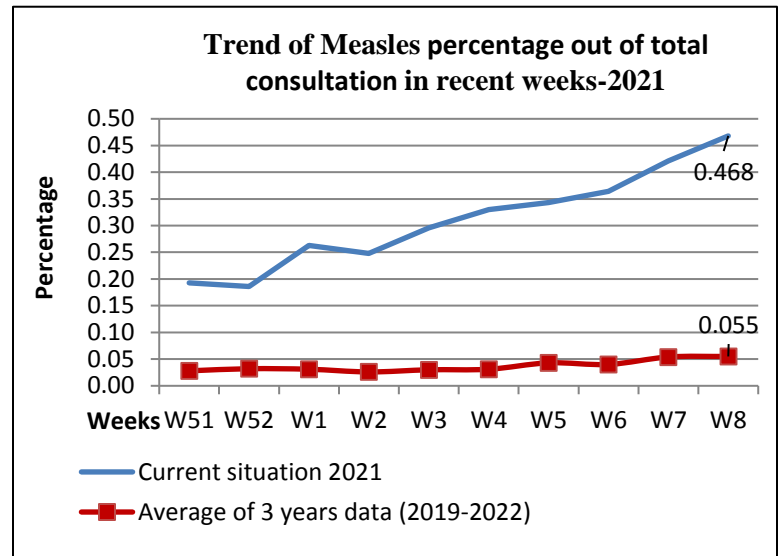


Figure 3: C

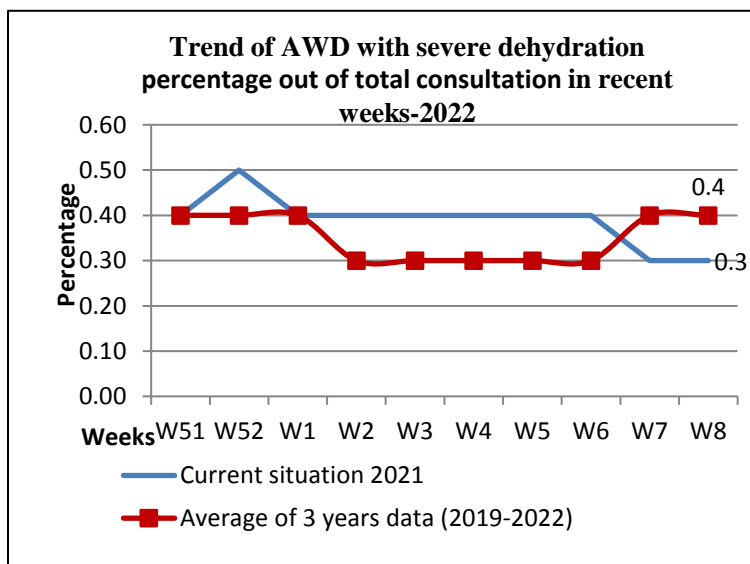


Figure 3: D

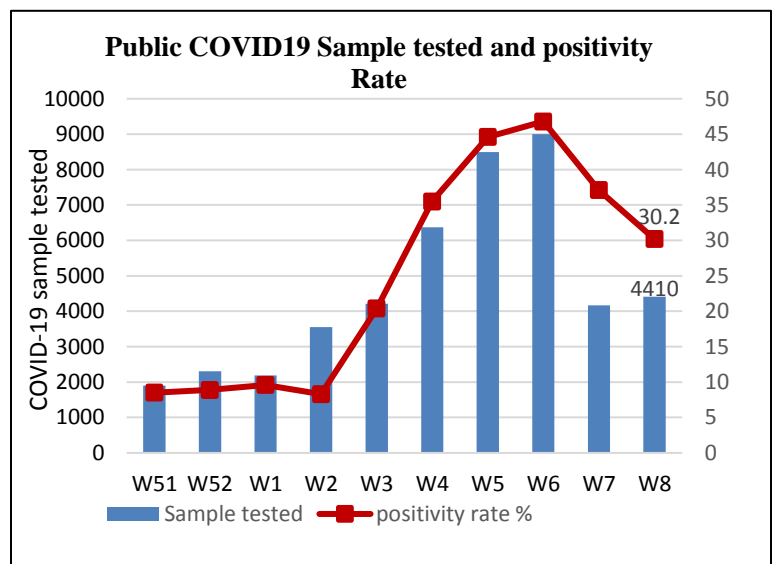


Table 3: Part of Outbreaks:

Acute Watery Diarrhea outbreak (Kabul province)								
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken
20/02/2022	Kabul	Kabul districts	Kabul	0	18	18	0	In this week, 18 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. Lab Sample collection was done. In addition, Health education was conducted by the investigation team.

Suspected Measles outbreaks (Baghlan, Kunduz, Badakhshan, Takhar, Farah, Nuristan, Nangarhar, Paktika, Khost, Urozgan, Zabul, Numroz, Helmand, Logar, Wardak, Parwan, Faryab, Jawzjan provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Reported	Assessed	Recommendation/Action taken
25/02/2022	Baghlan	Baghlan	Anar khal	7	1	8	0	NA	30%	In this week, 20 suspected Measles outbreaks were reported from Baghlan, Kunduz, Badakhshan, Takhar, Farah, Nuristan, Nangarhar, Paktika, Khost, Urozgan, Zabul, Numroz, Helmand, Logar, Wardak, Parwan, Faryab, Jawzjan 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 area is going on. Follow up report will be shared.
27/02/2022	Kunduz	Kunduz	Mola Ezatullah	5	0	5	2	NA	60%	
25/02/2022	Badakhshan	Nusai	Pad wad	12	15	27	10	NA	0%	
24/02/2022	Takhar	Farkhar	Farkhar	4	3	7	0	NA	50%	
20/02/2022	Farah	Gulistan	Iarti	11	1	12	0	80%	20%	
21/02/2022	Nuristan	Norgram	Bazrag Khil	16	5	21	1	88%	55%	
21/2/2022	Nangarhar	Chaperhar	Etifaq Mena	10	4	14	0	80%	70%	
20/02/2022	Paktika	Della	Gadali	11	3	14	0	70%	16%	
22/02/2022	Khost	Maton	Mangas	6	5	11	0	80%	41%	
21/02/2022	Urozgan	Tarinkot	Ghaznigak	5	7	12	0	70%	40%	
24/02/2022	Zabul	Qalat	Kharwarean	7	4	11	0	70%	18%	
26/02/2022	Nimroz	Zaranj	Masoomabad	6	4	10	0	80%	32%	
26/02/2022	Helmand	Nahrese raj	Seminar dasht	4	6	10	0	80%	30%	
26/02/2022	Logar	Puli Alam	Pashtoon Abada	8	4	12	0	80%	45%	
21/02/2022	Wardak	Central	Andar	11	10	21	0	89%	50%	
21/02/2022		Central	sorkarez	29	55	84	3	40%	0%	
20/02/2022	Parwan	Charikar	Charikar PH	8	3	11	1	0%	NA	

21/02/2022	Faryab	Khojasab zposh	Sarayqala	8	0	8	0	78%	39%	
22/02/2022		Dawlatabad	Qozibzqala	11	0	11	0	84%	38%	
20/02/2022	Jawzjan	Darab	Betaw and Moghol	12	1	13	1	72%	31%	

Suspected CCHF case (Helmand Province)									
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take	
26/02/2022	Helmand	Lashkargah	Khusarabad	1	0	15 Y	Housewife	During this week 01 suspected CCHF case was reported from Helmand province. Case management was done, health education session was conducted and the information was shared with related departments and animal health as well, to take the control and preventive measures.	

Food poisoning outbreak (Kapisa Province)							
Reported dated	Province	District	Village	Total cases	Total deaths	Occupation	Recommendation/Action take
23/02/2022	Kapisa	Nejrab	Faqirkhanna	01	01	Housewife	During this week 01 Food poisoning outbreak was reported from Kapisa province. Case management was done, health education session was conducted.

Suspected Pertussis outbreak (Nuristan province)								
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Death	Recommendation/Action take
26/02/2022	Badakhshan	Yamgan	Sarabjukhan	03	01	04	0	During this week 01 suspected pertussis outbreak was reported from Badakhshan province. Case management was done, health education session was conducted and the information was shared with related departments, to take the control and preventive measures.

Figure 4: Distributions of COVID-19, AWD and Measles, CCHF, Food poisoning and suspected pertussis cases and deaths during week 08th

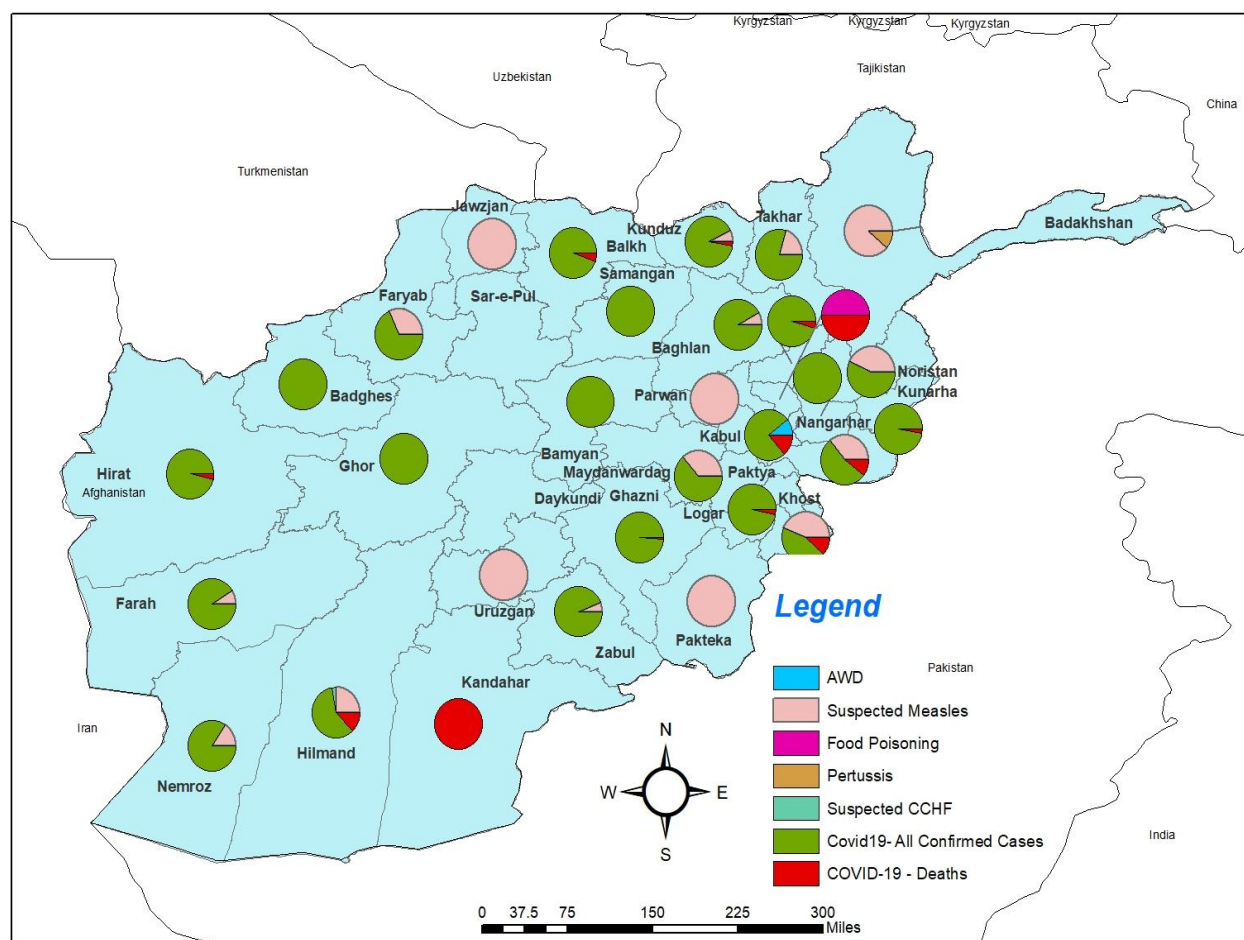


Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 25, Feb, 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	86	55	1421	81
Acute Watery Diarrhea	1	1	265	0
COVID 19	1	1	15397	335
Diphtheria	1	0	1	0
Dog bite/Suspected Rabies	5	0	25	0
CCHF	2	0	2	0
Scabies	1	0	10	0
Food poisoning	1	0	1	1
Suspected pertussis	1	0	4	0
Grand Total	99	52	17126	417

Laboratory surveillance:

A total of 7,187 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 1,359 specimens were confirmed for COVID-19 and 114 samples were confirmed for Measles in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 8th 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktia). Out of all new hospital admissions, **259 (5.1%)** 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 07th 2022. Seventeen SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were from Kabul (36%), Kapisa (32%), and Bamyan (15%) provinces. In this epi-week, our field staff shipped 51 SARI and 37 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, 6,853 specimens were tested for suspected COVID-19. Out of which 1,359 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 **15.3%** compared to last week, (in majority of the provinces we had testing kits shortage in this week).
- Bed occupancy rate (BOR) at the national level was **54.7%**, which increased 0.7 % compared to last week.
- Out of **1,672** contacts of **920** 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. In addition, health education was conducted for them, about **64,392** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

Challenges:

- Shortage of lab samples collection consumables and testing kits in majority of the provinces are strongly decreased the number tests.
- No lab capacity for confirmation of the new COVID-19 variant (Omicron) in the country.
- Suspected Measles cases and outbreaks are in the increasing trend (in this week 2,544 measles cases and 35 deaths were reported).

Recommendations:

- COVID-19 control all functions should be strengthened, in order to response for the current wave of COVID-19 pandemic in Afghanistan
- CPHL should be supported for the confirmation of the new COVID-19 variate (Omicron)
- Urgent supply of lab sample collection and testing kits for COVID-19 is recommended and lab testing capacity needs to be strengthened and expanded to all the provinces.
- Outbreak response strategy for measles need to be revised (vaccination coverage for measles and other vaccine preventable diseases need to be improved)
 - **EPI:** As the system detected **2,544** suspected Measles cases, with **35** 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.