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Monitoring Evaluation & Health Information System GD

Diseases Surveillance Department

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ریاست عمومی نظارت ارزیابی و سیستم معلومات صحی

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National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report 50th

Date: 12- 18 Dec, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 498 (97 %) have submitted reports this week.
- A total of 488,704 new consultations, 200,211 (41%) were due to Surveillance targeted diseases. That included 104,517 males (52.2%) and 95,694 females (47.8%). Also, 91,499 (45.7 %) under five years old and 108,712 (54.3%) five years old and over reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 133,439 cases (27.3%) out of total new consultations, Acute Diarrheal Diseases 35,390 cases (7.2%) out of total new consultations and Pneumonia, 25,962 cases (5.3%) out of total new consultations.
- A total of 232 deaths were reported this week, of which 65 were due to Surveillance targeted diseases, which includes 07 COVID-19 deaths, 52 Pneumonia deaths, 03 Acute watery diarrhea with dehydration deaths, 02 suspected measles deaths, 01 pregnancy-related death.
- A total of 726 Measles suspected cases (670 in IBS and 56 in EBS) with 02 deaths (01 in IBS and in 01 EBS) were reported in this week.
- During this week, 82 AWD new cases epi-linked with Kabul province AWD outbreak were reported.
- Also, 30 Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported.
- In addition, during this week 06 outbreaks were reported (04 Measles outbreaks were reported from Takhar and Urozgan provinces. One Scabies and One Suspected Rabies/Dog bite outbreaks were reported from Kapisa province).
- Moreover, 153 COVID-19 confirmed cases reported at national level.

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

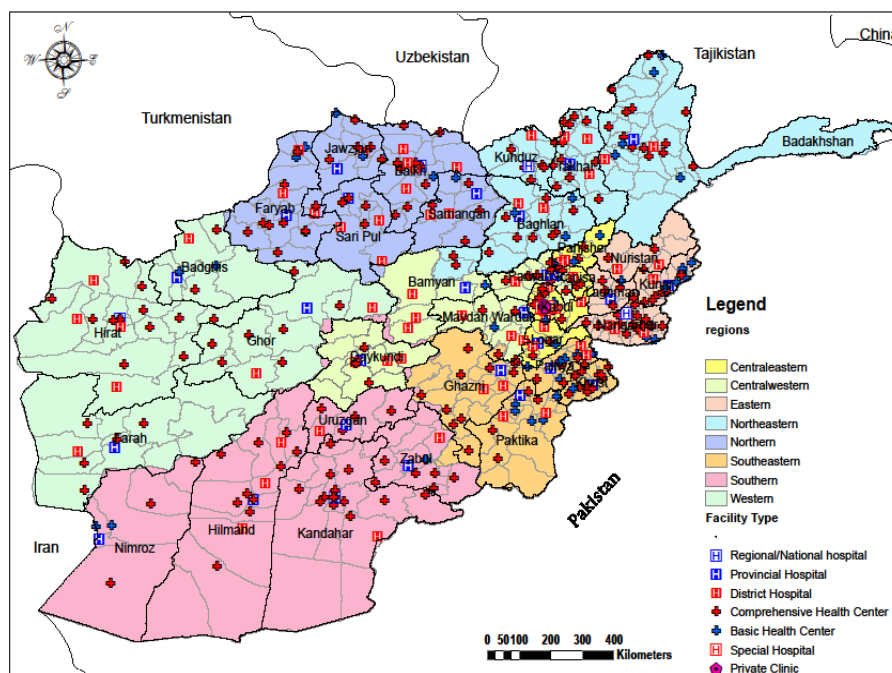


Table 1: Coverage of NDSR Surveillance System

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

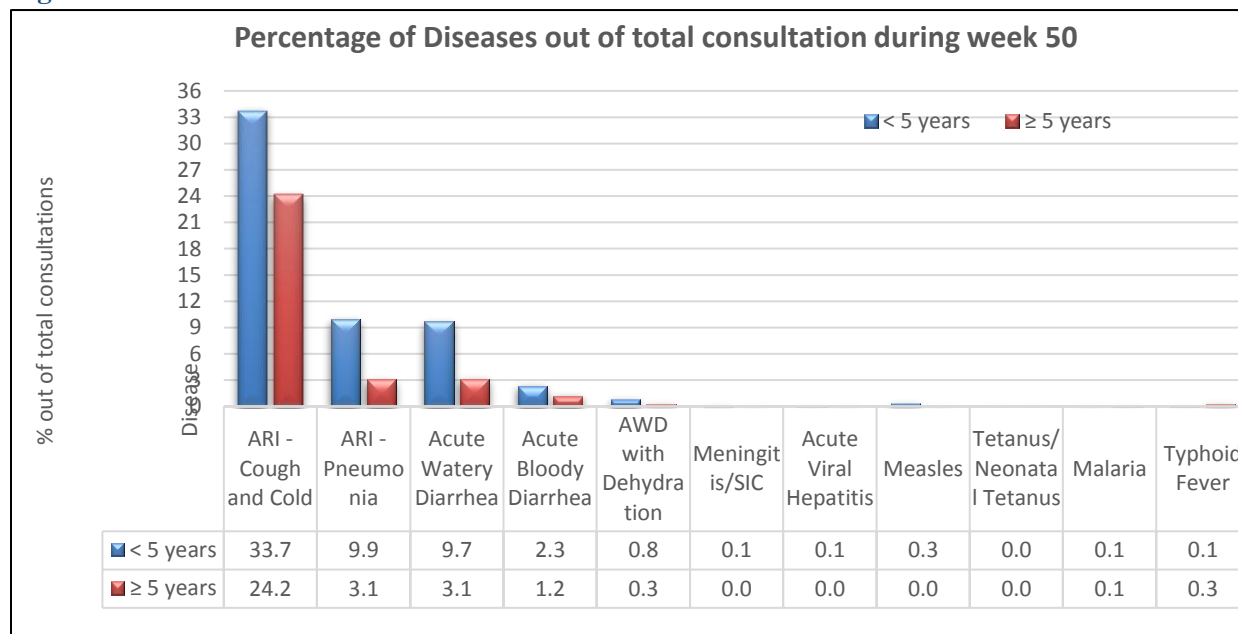


Figure 2: B

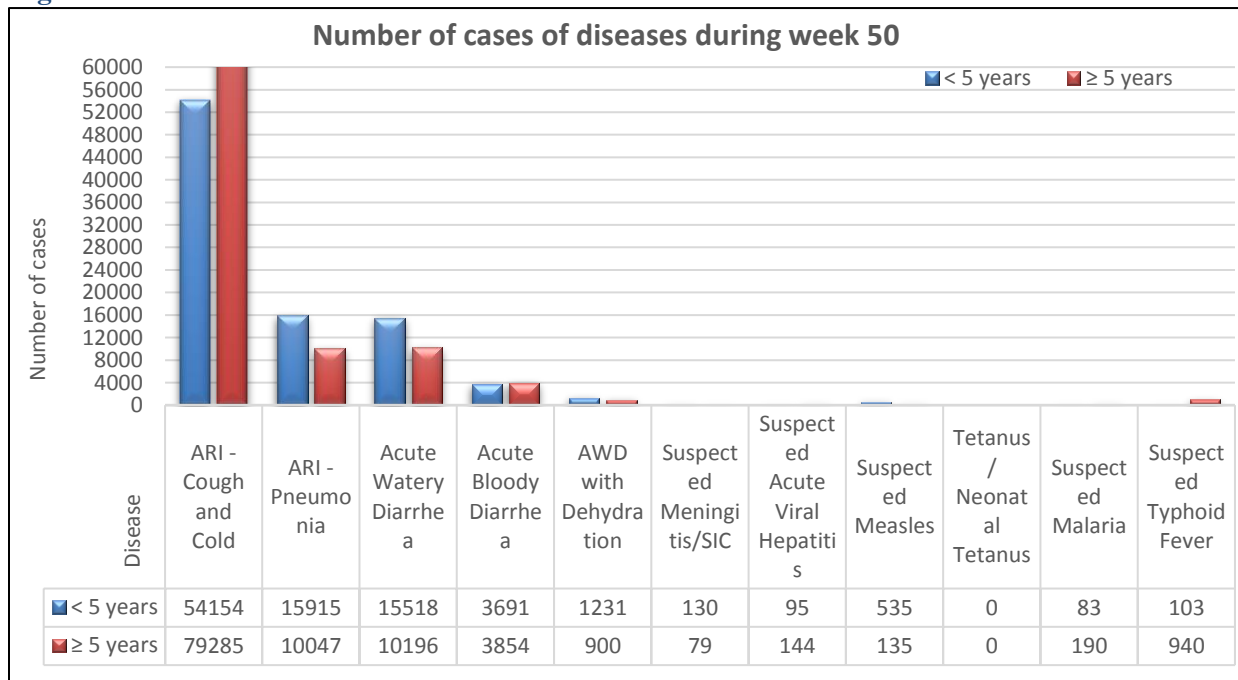


Table 2: Cases and deaths due to VPDs by age group during week 50th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	535	135	670	1	0	1	0.15
Suspected Pertussis	3	7	10	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

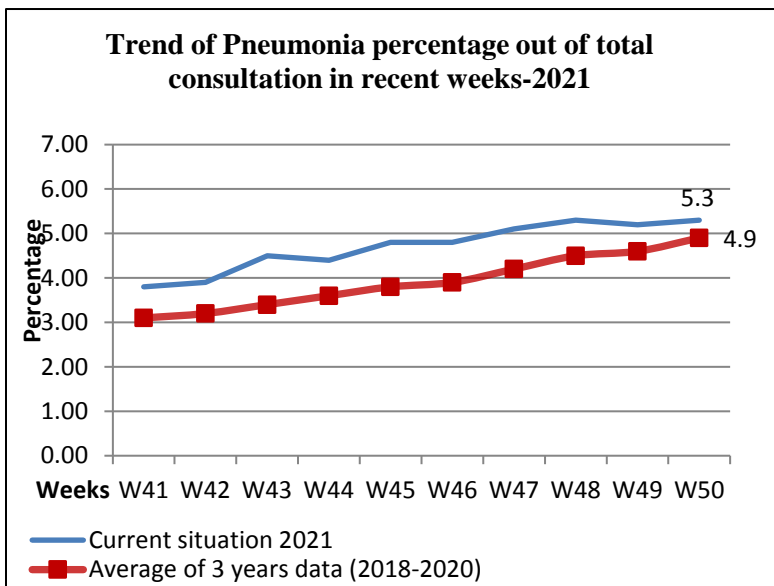


Figure 3: B

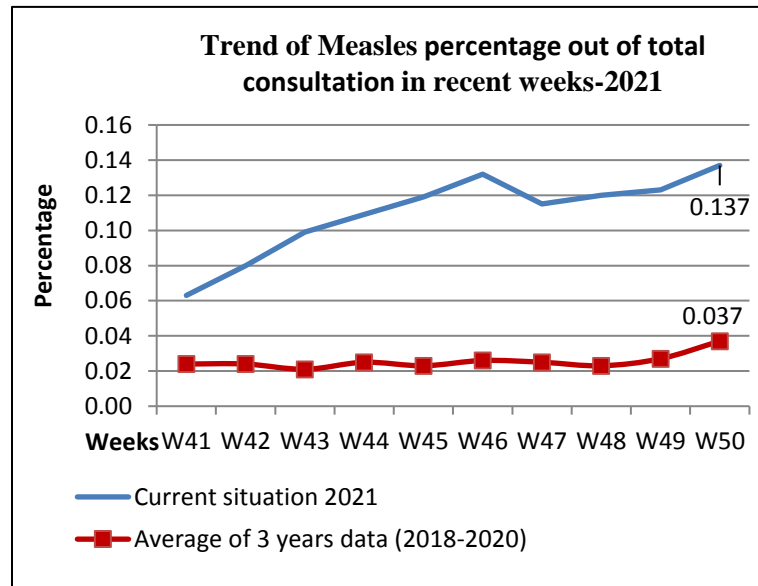


Figure 3: C

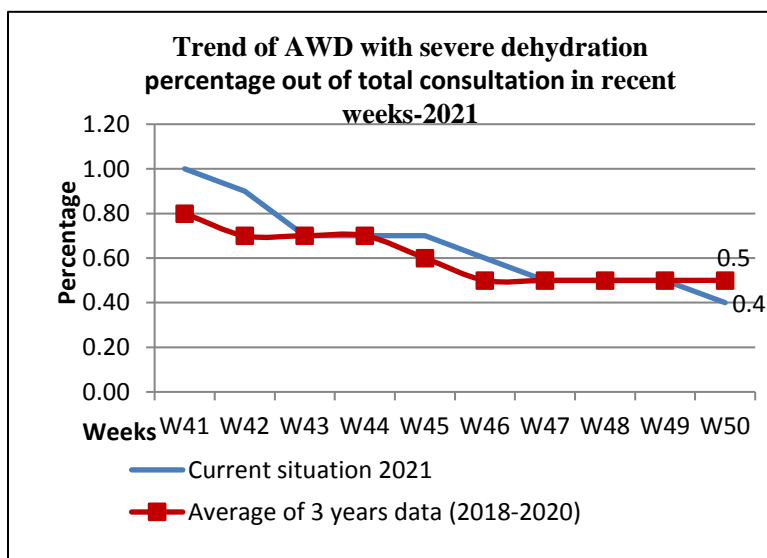


Figure 3: D

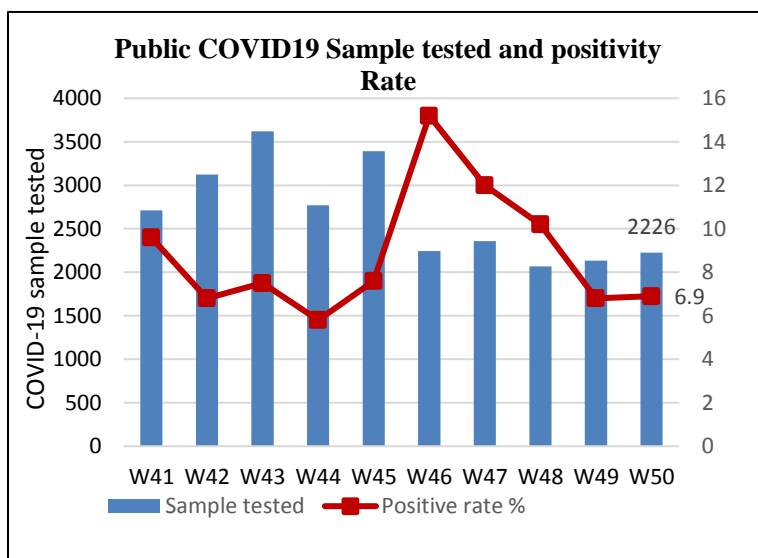


Table 3: Part of Outbreaks:

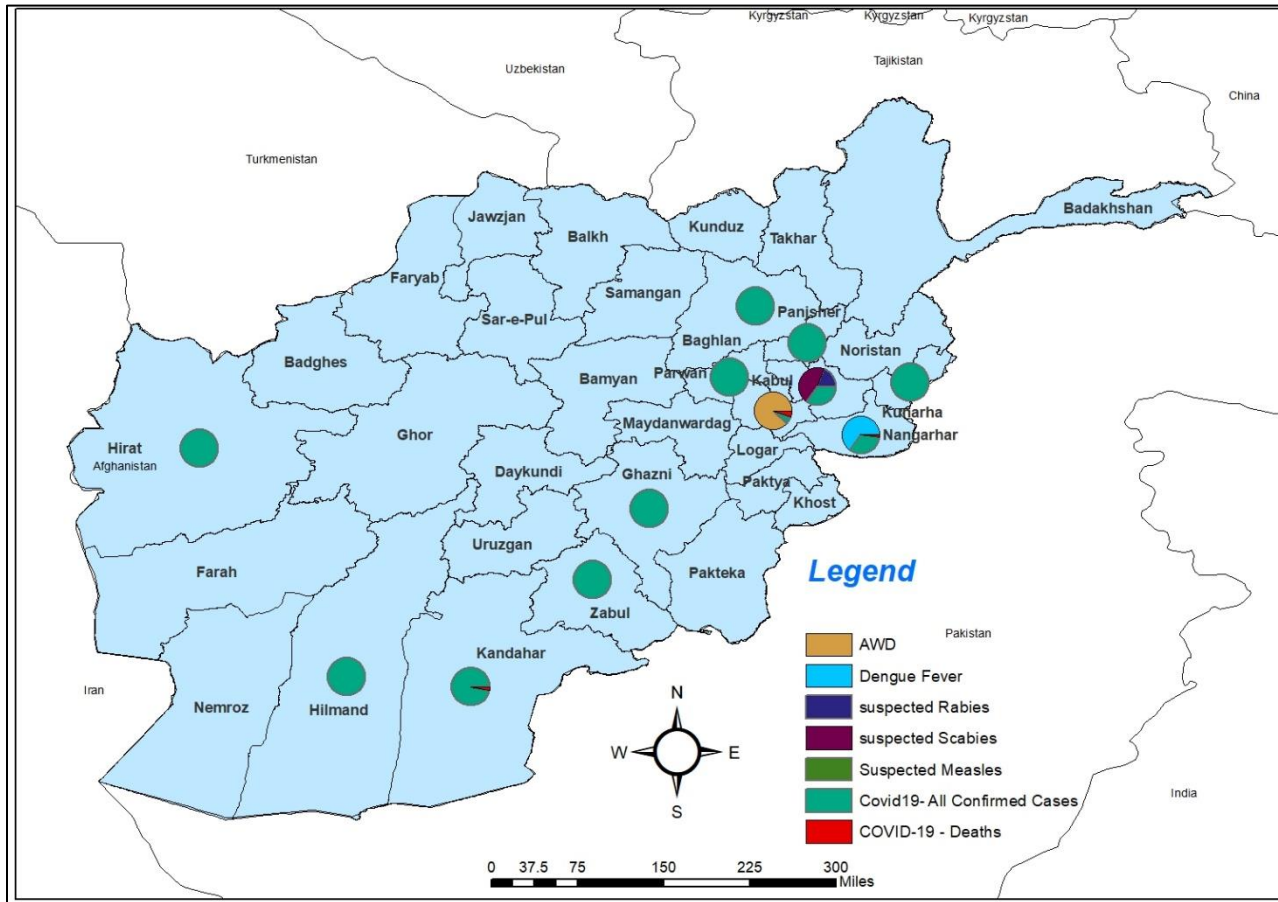
Follow up of AWD Outbreak (Kabul)									
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action taken	
12/12/ 2021	Kabul	Kabul districts	Kabul	15	67	82	0	In this week, 82 AWD new cases epi-linked with Kabul province AWD outbreak reported, Active/daily surveillance and the cases investigation is going on, case management was done for all the cases. Sample collection was done and shipped to CPHL for confirmation. In addition, 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	
05/12/2021	Nangarhar	Nangarhar 04 districts	Different villages of 04 district of Nangarhar province	0	30	30	0	During this week, 30 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, 03 blood serum specimens have been collected and shipped to CPHL for confirmation.	
Suspected Measles outbreaks (Takhar and Urozgan provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action taken
12/12/2021	Takhar	Rustaq	Qadooq and Jawazkhana	16	6	22	0	NA	In this week, 04 Measles outbreaks were reported from Takhar and Urozgan 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.
16/12/2021		Farkhar	Maghzar Gujarat	04	03	07	01	NA	
13/12/2021	Urozgan	Tarinkot	Langar	08	09	17	0	80%	
14/12/2021		Dehrawoos	Sangi Sulakh	05	05	10	0	NA	

Scabies Outbreak (Kapisa province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
13/12/2021	Kapisa	Centre of Kapisa	Zeraat	24	0	During this week, one Scabies outbreak was reported from Kapisa province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.
Suspected Rabies / Dog bites Outbreak (Kapisa province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
12/12/2021	Kapisa	Kohistan-1	Chashma	10	0	During this week one Suspected Rabies/Dog bites outbreak was reported from Kapisa province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.

Table 4: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 18, Dec, 2021)

Disease/Event	Count of Disease/ Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	128	62	1504	62
CCHF	86	21	86	5
Dog bites/Suspected Rabies	13	0	84	0
Acute Watery Diarrhea	3	2	4499	8
Pertussis	6	0	59	1
Scabies	5	0	131	0
Diphtheria	3	0	6	1
ARI	1	0	11	0
Acute Influenza	1	1	5	0
COVID 19	1	1	105628	5147
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	770	0
Gas (CO) Poisoning	1	0	18	0
Chickenpox	1	0	9	0
Leishmaniasis	1	0	29	0
Grand Total	258	88	112917	5227

Figure 4: Distributions of COVID-19, Dengue, AWD, Measles Scabies and Rabies cases and deaths during week 50th



Laboratory surveillance:

A total of **7,961** specimens were collected and shipped to CPHL, regional and private labs. Out of which **153** specimens were confirmed for COVID-19, 506 samples were negative and rest of the samples were under process.

Influenza Surveillance activities:

In Epidemiological week 50th 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, **225** (6.1%) Severe Acute Respiratory Infections cases were reported and 59 were under 5 years old. The proportion of SARI cases were increased as compared to week 49th 2021. 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 (40%), Kapisa (20%) and Bamyan (18%). In this epidemiological week, our field staff shipped **80** SARI and **47** ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **7,206** specimens were tested for suspected COVID-19. Out of which **153** 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 **8.4%** compared to last week, (and 0.2% lab samples positivity rate decreased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level was **28.1%**, which decreased 1.4% compared to last week.
- Out of **269** contacts of **84** confirmed cases that were mostly family members with an average of 03 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 **66,060** 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 (726 measles cases and 02 deaths were reported in this week).
- Weak preventive and control measures for Dengue fever outbreak in Nangarhar province
- Shortage of lab samples collection consumables and testing kits in majority of the provinces for COVID-19, Influenza and other epidemic prone diseases.

Recommendations:

- CPHL should be supported for the confirmation of the new COVID-19 variate (Omicron)
- Vaccination coverage for measles and other vaccine preventable diseases need to be improved
- Preventive and control measures for Dengue fever outbreak should be strengthened in Nangarhar province
 - RRTs should be functioned again, to support the outbreak investigation and response for COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies.
- 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 **726** suspected Measles cases, with **02** deaths due to measles and **10** suspected Pertussis cases 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.