

Summary:

- Out of **613** functional Surveillance sentinel sites, **574 (93.6 %)** have submitted reports this week.
- A total of **557,339** new consultations, **223,021 (40%)** were due to Surveillance targeted diseases. That included **118,277 (53%)** males and **104,744 (47%)** females. Also, **106,957 (48%)** under five years old and **116,064 (52%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **138,457 (24.8%)** cases out of total new consultations, Acute Diarrheal Diseases **49,019 (8.8%)** cases out of total new consultations, and Pneumonia **29,272 (5.3%)** cases out of total new consultations.
- A total of **188** deaths were reported this week, of which **52 (27.7%)** deaths were due to Surveillance targeted diseases, which include **41** Pneumonia deaths, **03** COVID-19 deaths, **02** Acute Watery Diarrhea (AWD) with Dehydration deaths, **02** Suspected Measles deaths, **02** Tetanus/ Neonatal tetanus deaths, **01** Suspected Meningitis/ Severely Ill Child death, **01** Suspected Acute Viral Hepatitis death.
- In addition, during this week **10 outbreaks** were reported (**05 Suspected Chickenpox** outbreaks were reported from Paktya and Kabul, Provinces, **02 Suspected CCHF** outbreaks were reported from Paktya and Ghazni provinces, **01 Dog bite/Suspected Rabies** outbreak was reported from Paktika Province, **01 AWD** outbreak was reported from Nuristan, and **01 suspected Measles** outbreak was reported from Herat Province).
- Moreover, **800** COVID-19 confirmed cases and **544** suspected Measles cases, **02** Measles deaths at the national level and 5 Dengue Fever cases from Kabul and Logar provinces reported, and 116 lab confirmed cases of Dengue fever reported by Nangerhar RRL.

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

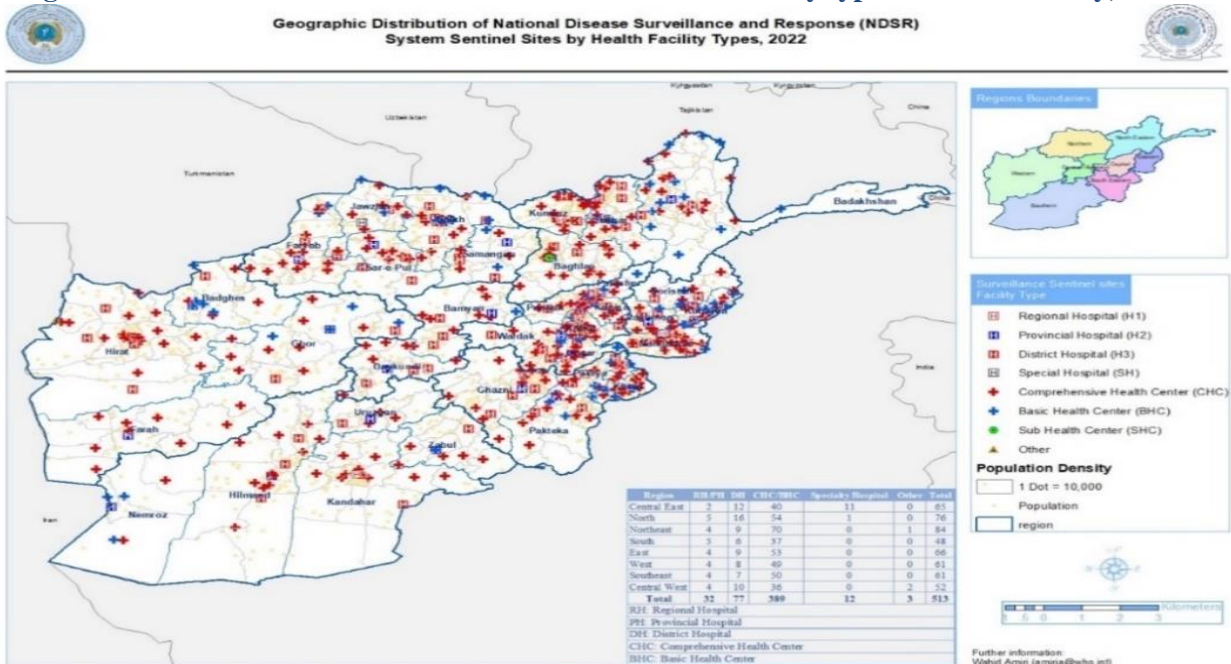


Table 1: Coverage of NDSR Surveillance System

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	8	26	90	348	111	17	10	3	613

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

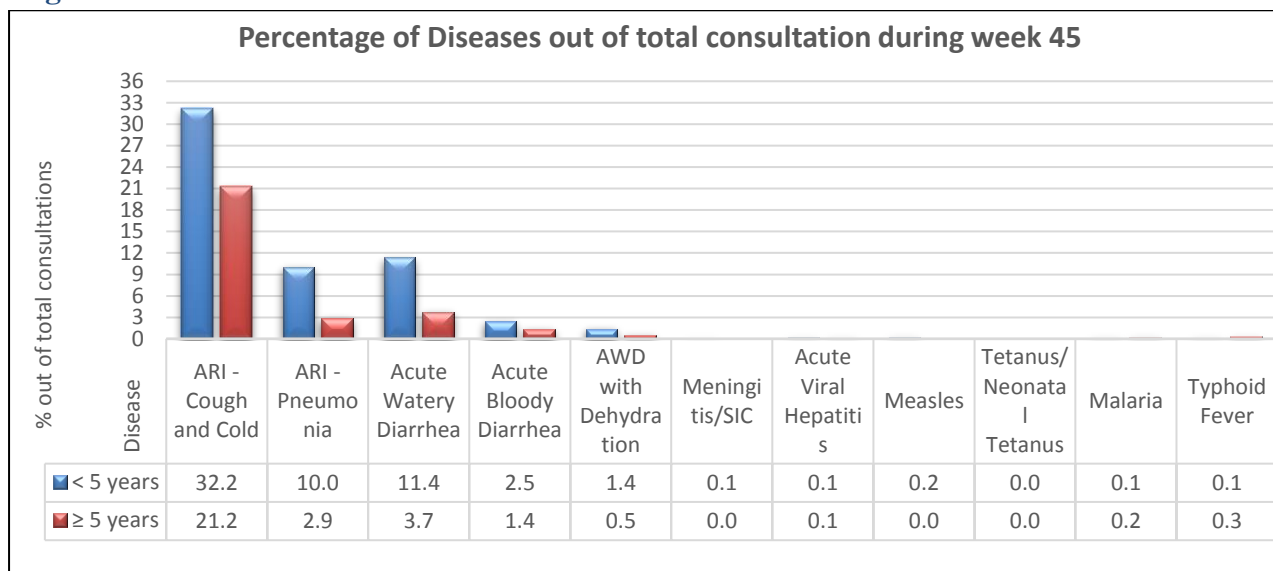


Figure 2: B

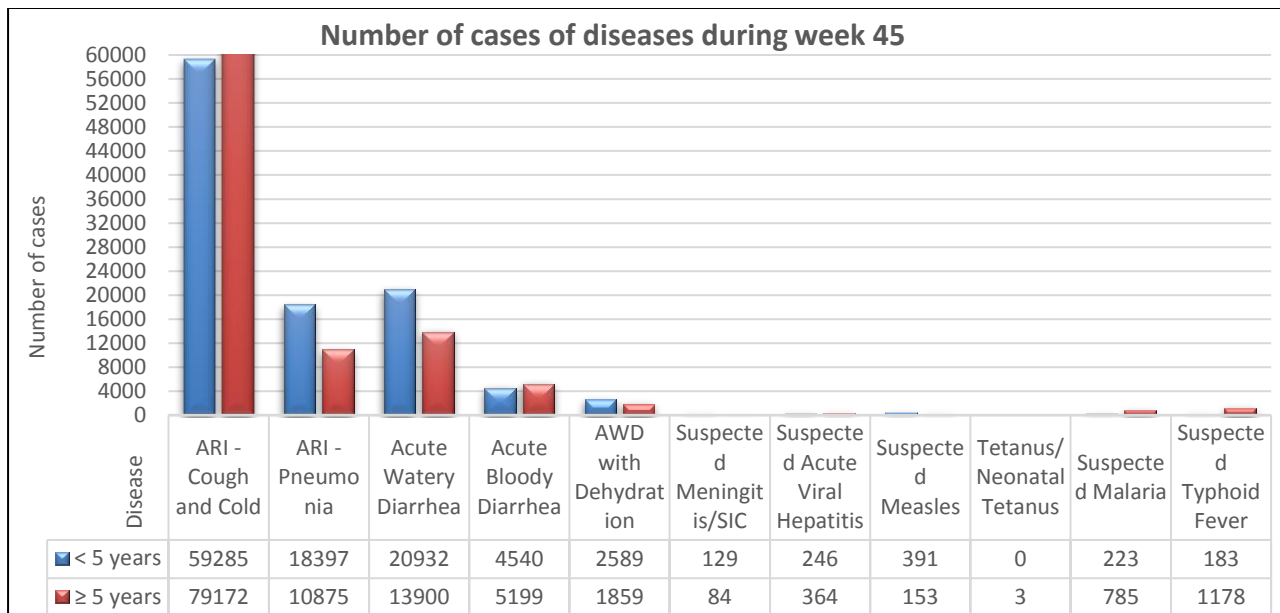


Table 2: Cases and deaths due to VPDs by age group during week 44th 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	391	153	544	2	0	2	0.37

Seasonal Diseases:

Figure 3: A

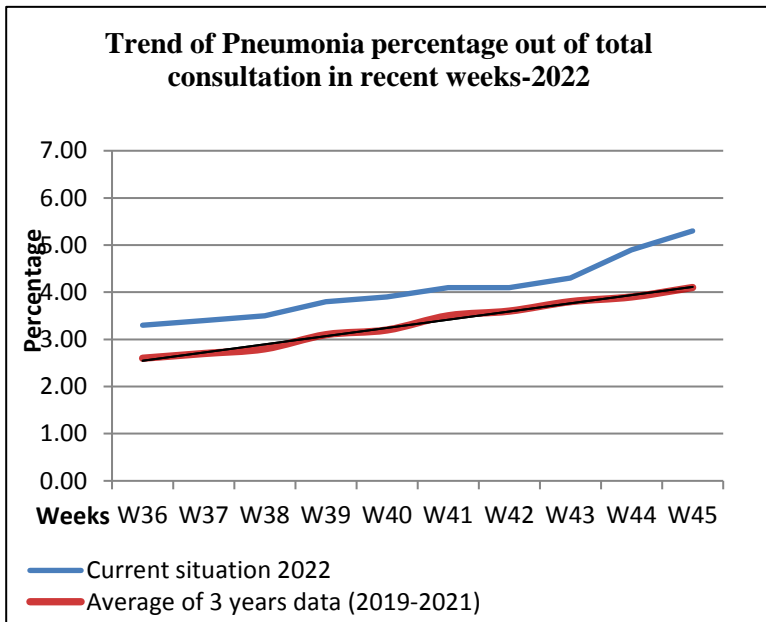


Figure 3: B

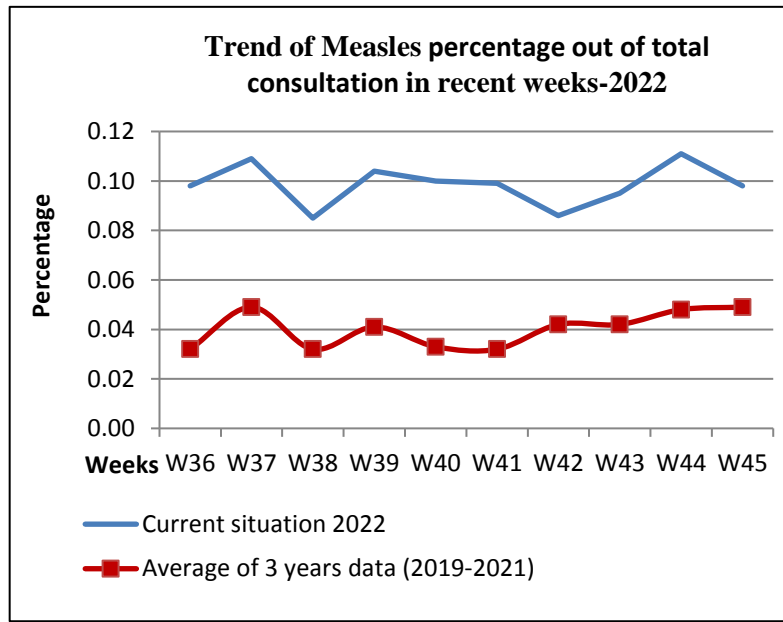


Figure 3: C

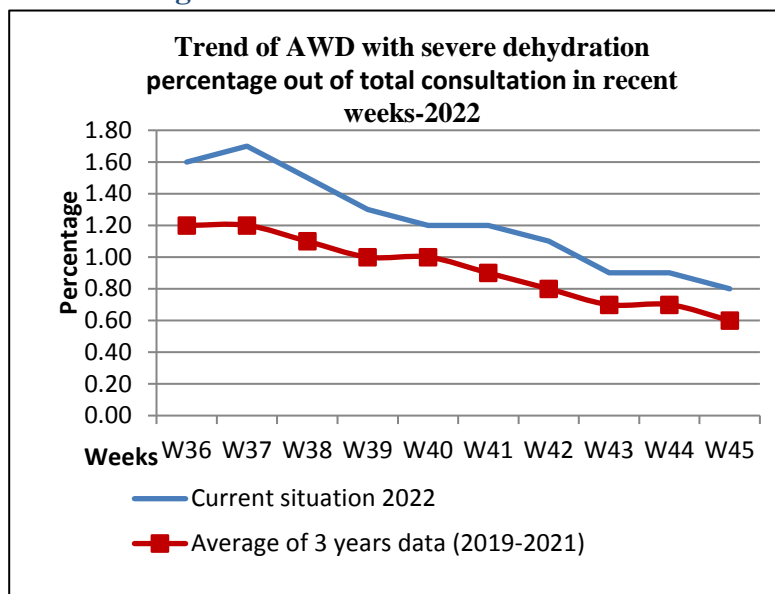


Figure 3: D

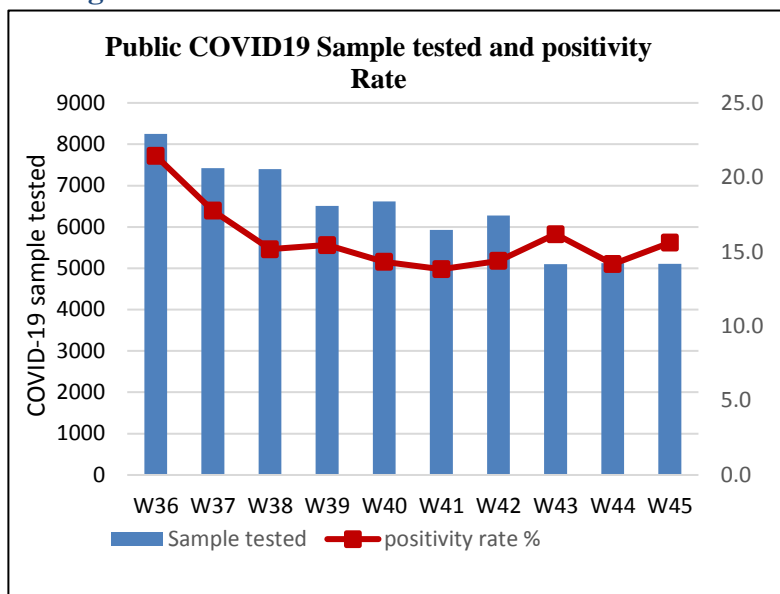


Table 3: Outbreaks in week 45th 2022:

Suspected chickenpox outbreaks from Paktya and Kabul provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
04/11/2022	Paktya	Sayedkaram	Kunderkhil Village	17	0	During this week 05 suspected chickenpox outbreaks were reported from Paktya and Kabul provinces, case management was done. Health education sessions were conducted for all the cases.
06/11/2022		Sayedkaram	Chenaw	15	0	
07/11/2022		Ahmadaba	Qadar Khil	12	0	
08/11/2022	Kabul	Deh Sabz	Akhon Zada Gan	10	0	
11/11/2022		Deh Sabz	Khwaja Ghar	3	0	

Suspected CCHF Cases from Paktya and Ghazni provinces								
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
07/11/2022	Paktya	Paktya	Meez	1	0	30Y	House Wife	During this week 02 suspected CCHF Outbreaks were reported from Paktya and Ghazni provinces. Case management was done for all the cases, health education sessions were conducted and the information was shared with related departments and animal health as well, to take preventive and control measures.
11/11/2022	Ghazni	Qarah Bagh	Tochi	1	0	25Y	House Wife	

Dog bite/ Suspected Rabies outbreaks from Paktya province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/11/2022	Paktika	Sharan	Charada	6	0	During this week 01 Dog bite/ Suspected Rabies outbreak was reported from Paktika province, case management was done. Health education sessions were conducted for all the cases.

Suspected Measles outbreak from Herat province										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
06/11/2022	Herat	Guzara	Chah bol bol	24	22	46	0	100%	88%	In this week, 01 suspected Measles outbreak was reported from Herat province. The outbreak was investigated, case management was done for all the cases. Also, health education session was conducted. Vaccination of children in the surrounding villages of the affected area is going on.

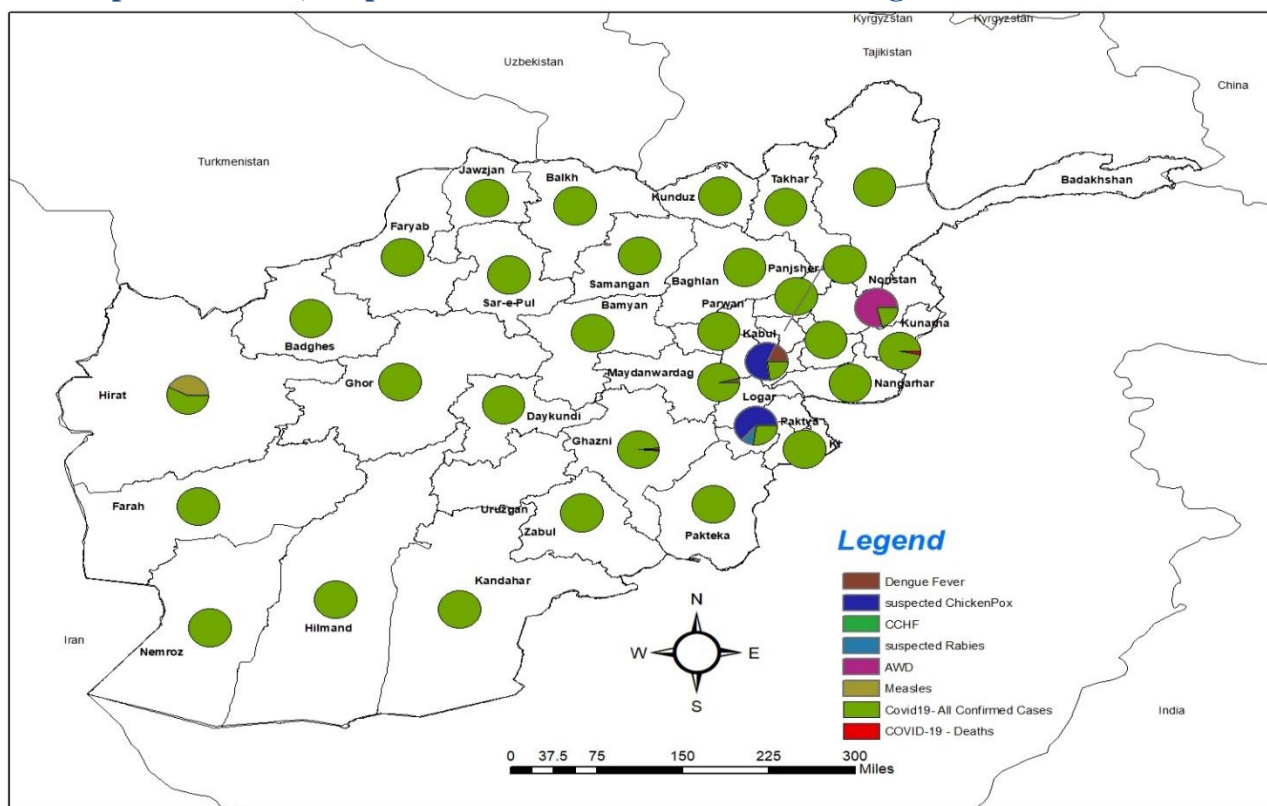
AWD outbreak from Nuristan province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
06/11/2022	Nuristan	Bargimatal	Peshawrak.Abzok.Gunjaleksha.Atati	81	2	During this week 01 AWD outbreak was reported from Nuristan province, case management was done. Health education sessions were conducted for all the cases.

Table 4: Updated outbreaks report during 2022 (26 Dec 2021 to 12 November 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	262	175	3726	110
CCHF	374	105	378	11
Dog bites/Suspected Rabies	24	1	160	0
Pertussis	35	0	278	10
Acute Watery Diarrhea	83	21	5232	16
Food Poisoning	16	0	362	2
Unknown Poisoning	1	0	5	2

Scabies	12	0	199	0
Chickenpox	40	1	424	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	8	0	65	0
Diphtheria	2	0	2	0
Pneumonia	1	0	25	0
Dengue fever	20	10	22	0
Skin disease	1	0	3	0
Anthrax	3	0	10	1
Confirmed Malaria	8	8	1967	0
Acute Viral Hepatitis (AVH)	3	0	16	0
COVID-19	1	1	49483	537
Grand Total	898	322	62428	689

Figure 4: COVID-19, Dengue Fever, Suspected CCHF, Suspected chickenpox, AWD, Dog bite/Suspected Rabies, Suspected Measles cases and deaths during the week 45th



Laboratory surveillance:

A total of **6491** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **800** specimens were confirmed for COVID-19, **116** specimens were confirmed for Dengue fever, **31** specimens were confirmed for Malaria, **12** specimens were confirmed for Measles, **08** specimens were confirmed for ILI, **05** specimens were confirmed for Acute Viral Hepatitis, **05** specimen were confirmed for SARI (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 45th 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyán, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 239 (7.0 %) Severe Acute Respiratory Infections cases were reported and 69% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 44th 2022. 04 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (38 %), Kapisa (20.3 %), and Bamyán (16.8 %) provinces. During this Epi-week, our field staff shipped 54 SARI and 36 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **5110** specimens were tested for suspected COVID-19. Out of which **800** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 15.6 % in this week, which increased 1.2% compared to previous week.
- Bed occupancy rate (BOR) at the national level was **42.9%**, which decreased 6.3% compared to last week.
- Out of **800** confirmed cases, **2011** contacts of 613 confirmed cases were traced that were mostly family members with an average of 3 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 **46,713** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- ARI pneumonia and COVID-19 cases are also increased in this week compared to the previous week
- Dengue fever cases are in the increasing trend in the country, especially in the east part of the country, only in this week we had 116 lab confirmed cases.
- Measles cases are still a public health problem, as in this week **590** suspected measles cases were reported

Recommendations:

- RRTs should be established in the provincial level to timely and properly investigate and respond to all outbreaks including ARI, as in the coming months we may have ARI outbreaks
- Strong preventive and control measure are needed for the prevention and control of dengue fever cases, especially in the east part of the country
- Measles vaccination and preventive measures should be strengthened and the measles response strategy should be revised
 - **EPI:** As the surveillance system detected **590** suspected Measles cases at the national level, so 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.