

National Disease Surveillance
& Response (NDSR)NDSR Weekly Epidemiological Report 15th

Date: 10-16/04 / 2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 498 (96%) have submitted reports this week.
- A total of 517,002 new consultations, 198,738 (38.4%) were due to Surveillance targeted diseases. That included 105,653 males (53.2%) and 93,085 females (46.8%). Also, 101,652 (51.1%) under five years old and 97,086 (48.9%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 111,865 cases (21.6%) out of total new consultations, Acute Diarrheal Diseases 55,700 cases (10.8%) out of total new consultations and Pneumonia, 22,007 cases (4.3%) out of total new consultations.
- A total of 221 deaths were reported this week, of which 77 deaths (34 %) were due to Surveillance targeted diseases deaths, which includes 41 Pneumonia deaths, 20 suspected Measles deaths, 04 Suspected Meningitis/ Severely Ill Child deaths, 05 Pregnancy-related deaths, 03 Acute Watery Diarrhea (AWD) with Dehydration deaths, 02 COVID-19 deaths, 01 Acute Watery Diarrhea (AWD) death and 01 Acute Bloody Diarrhea death.
- A total of **3,666** Measles suspected cases with **20** deaths were reported in this week.
- In addition, during this week 22 outbreaks (15 Measles outbreaks were reported from Logar, Paktya, Ghazni, Paktika, Nangarhar, Kandahar, Kabul, Bamyān, Wardak, Parwan, and Farah provinces, 02 **Suspected/ Rabies outbreaks** were reported from Takhar and Paktika provinces, 02 **Pertussis** outbreaks were reported from Paktika and Jawzjan provinces, 01 **Leishmaniasis** outbreak was reported from Wardak province, 01 **Chickenpox** outbreak was reported from Paktika province and 01 **Mumps** outbreak was reported from Sar-i-pul province.
- Moreover, **269** COVID-19 confirmed cases reported at national level.

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

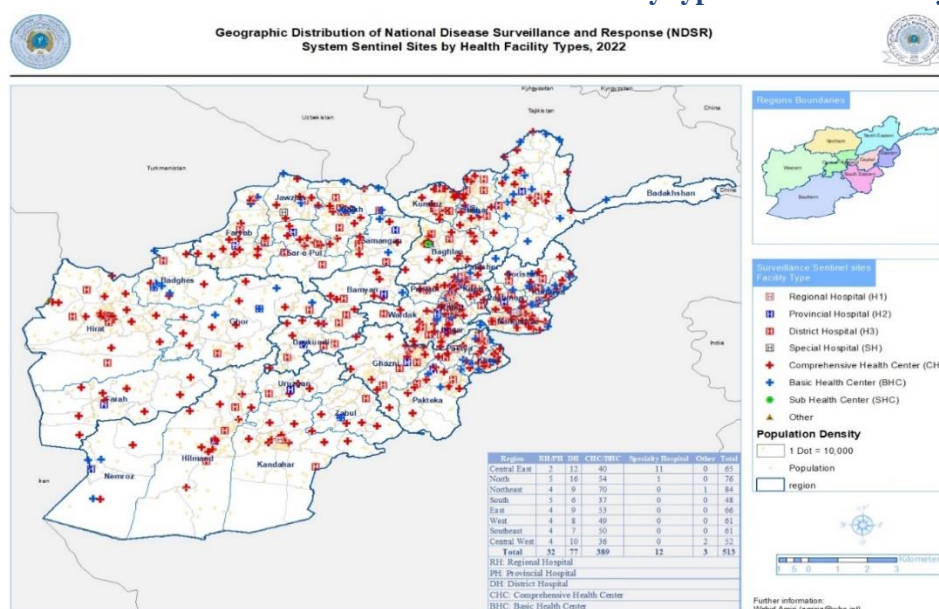


Table 1: Coverage of NDSR Surveillance System

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

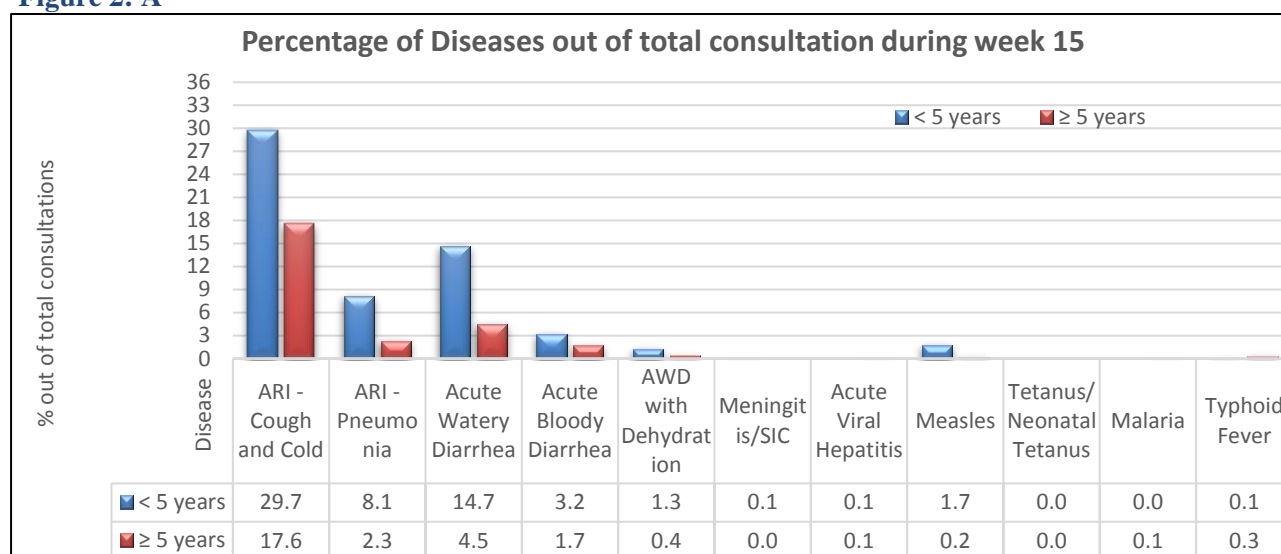


Figure 2: B

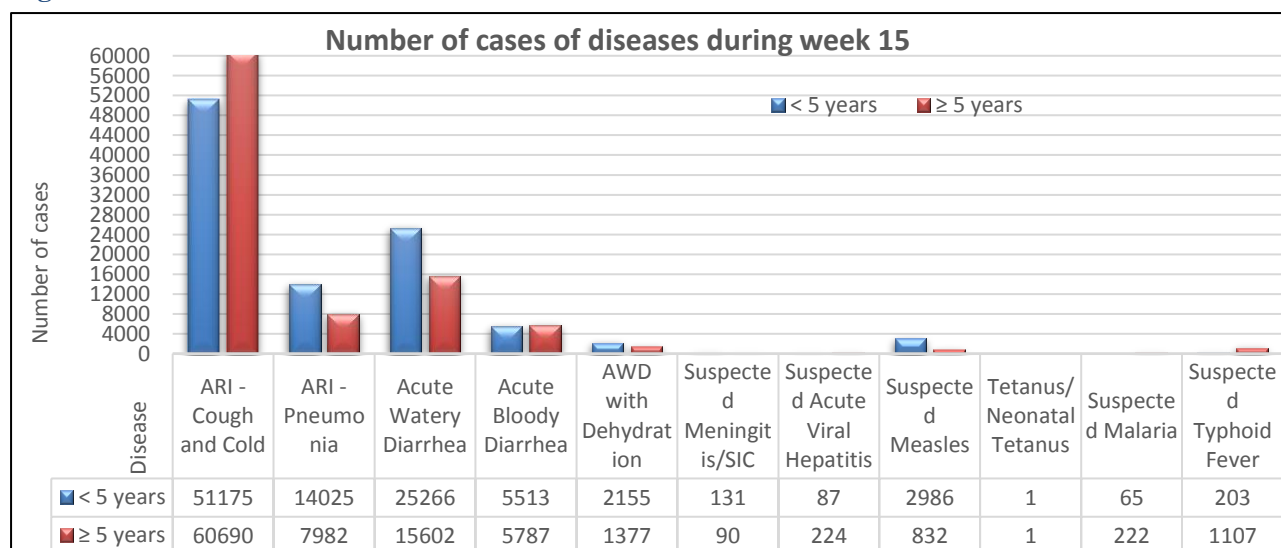


Table 2: Cases and deaths due to VPDs by age group during week 15th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	2,689	786	3,475	18	0	18	0.52

Seasonal Diseases:

Figure 3: A

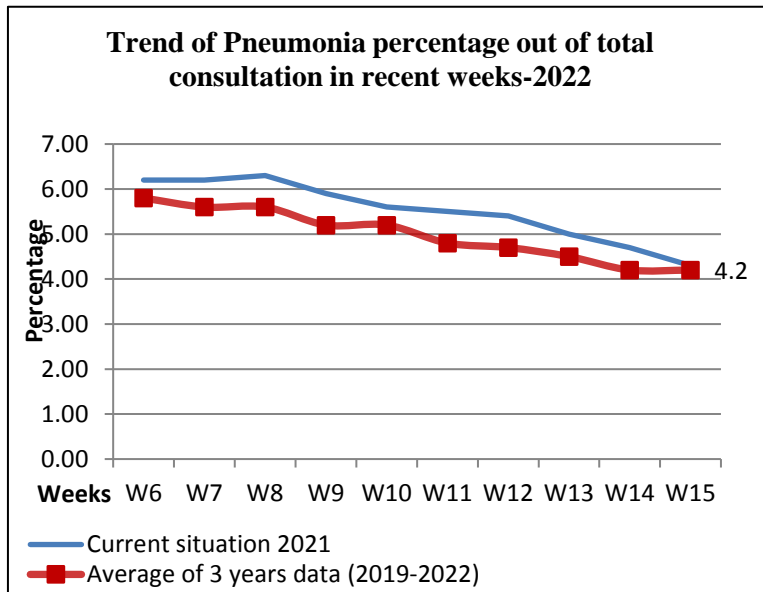


Figure 3: B

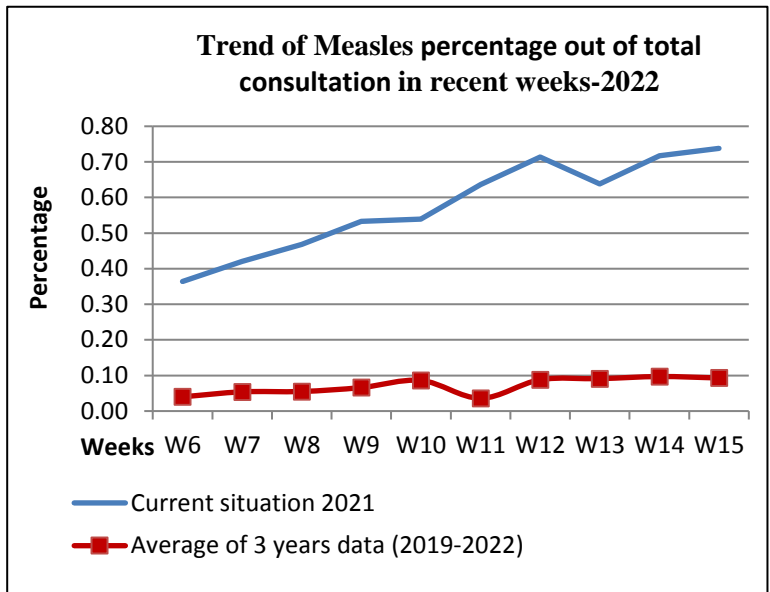


Figure 3: C

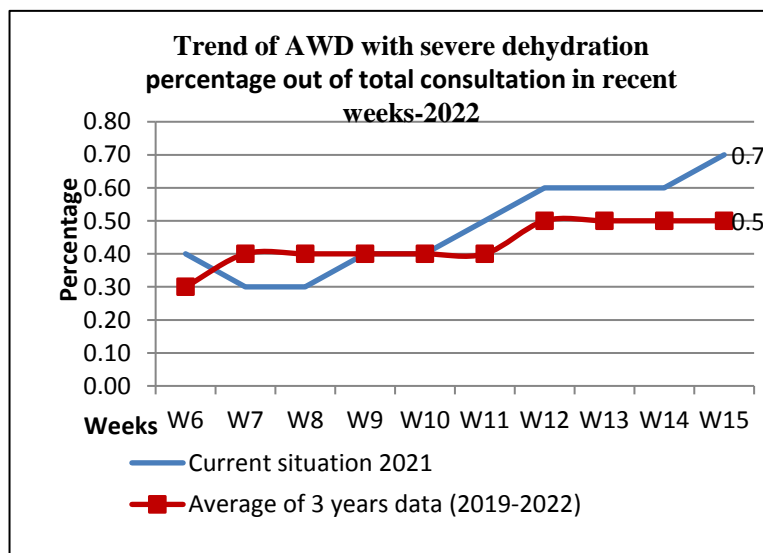


Figure 3: D

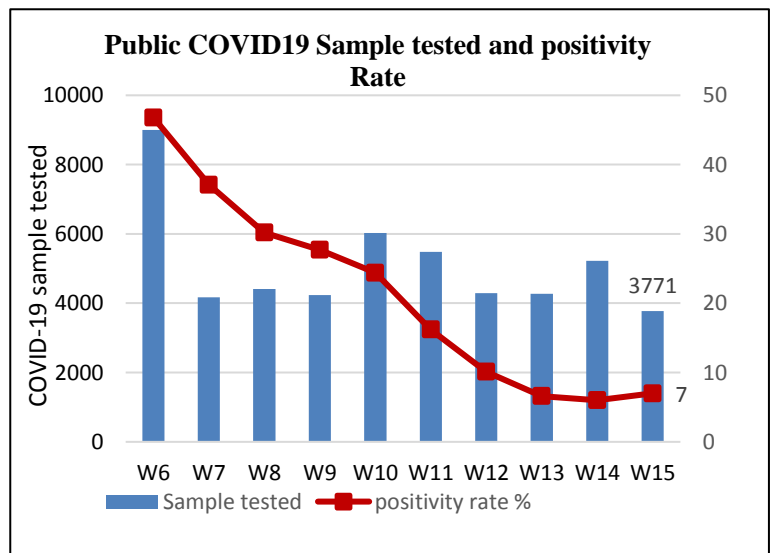


Table 3: Outbreaks in week 15th:

Suspected Measles outbreaks (Logar, Paktya, Ghazni, Paktika, Nangarhar, Kandahar, Kabul, Bamyan, Wardak, Parwan, and Farah provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
10/04/2022	Logar	Charkh	Pangram	8	4	12	0	75%	55%	In this week, 15 suspected Measles outbreaks were reported from Logar, Paktya, Ghazni, Paktika, Nangarhar, Kandahar, Kabul, Bamyan, Wardak, Parwan, and Farah 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 reports will be shared.
10/04/2022	Paktya	Gardiz	Banozi	0	7	7	0	80%	65%	
10/04/2022	Ghazni	Ander	Meray	13	1	14	0	80%	40%	
15/04/2022		Dehyak	Tapoor Sakoo	2	10	12	0	NA	45%	
11/04/2022	Paktika	Jani khel	Jafar	5	1	6	0	NA	35%	
12/04/2022	Nangarhar	Lalpoor	Gardavi	28	0	28	2	60%	40%	
13/04/2022	Kandahar	Zhari	Wazir	6	2	8	0	88%	56%	
11/04/2022	Kandahar	KDH City	Kokaran	4	1	5	0	90%	75%	
10/11/2022	Kabul	Mir Bacha Koot	Shiekhan Village	2	4	6	0	NA	0%	
04/09/2022		Surobi	Ouizbien	5	0	5	0	NA	0%	
11/04/2022	Bamyan	panjap	Myanqol	5	13	18	0	70%	70%	
10/04/2022	Parwan	Charikar	Bayane Pain	6	5	11	0	0%	40%	
10/04/2022	Wardak	Central	Sebak Area	15	3	18	0	50%	50%	
12/04/2022	Farah	Khake Safid	Renj	8	7	15	0	70%	0%	
13/04/2022		Balablok	Qala Nasrullah	9	5	14	0	70%	0%	

Dog bite / Suspected/Rabies outbreaks from (Takhar and Paktika provinces)

Reported dated	Province	District	Village	Total cases	Deaths	Recommendation/Action take
14/04/2022	Takhar	Chal	Khan Aga	13	0	During this week, 02 Suspected/Rabies outbreaks were reported from Takhar and Paktika provinces. Case management was done, health education sessions were conducted and the information was shared with related departments and animal health, to take the control and preventive measures.
16/4/2022	Paktika	Yousuf khel	Mosh khel	6	0	

Suspected Pertussis outbreaks from (Jawzjan and Paktika provinces)

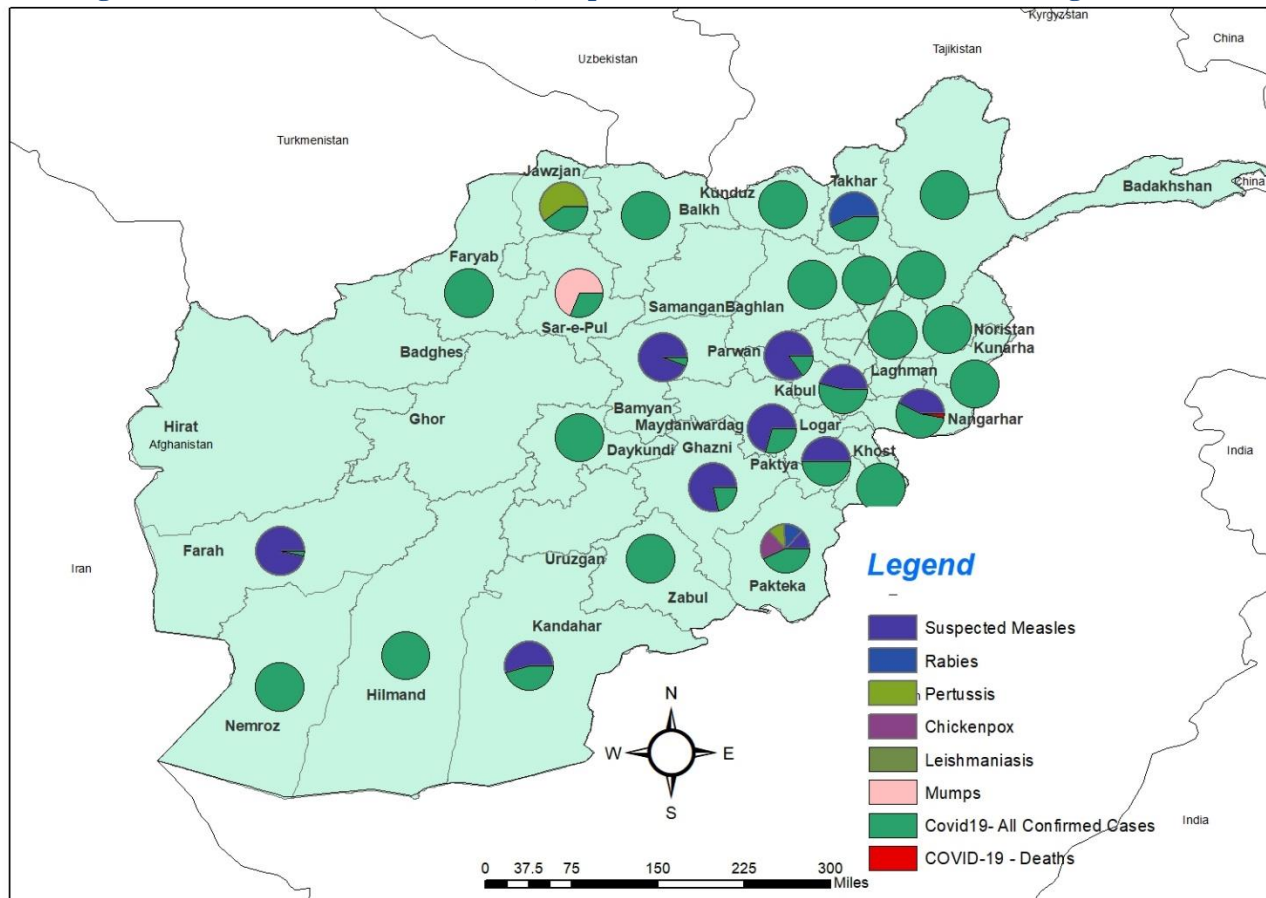
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
12/04/2022	Jawzjan	Sheberghan	Karte dostum	3	0	During this week, 02 Pertussis outbreaks were reported from Jawzjan and Paktika provinces. Case management was done, health education sessions were conducted.
10/04/2022	Paktika	Yousuf khel	Bukhan khel	5	0	

Clinical Leishmaniasis outbreak from (Wardak province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
6/4/2022	Wardak	Central	Tangi area	41	0	During this week, 01 Leishmaniasis outbreak was reported from Wardak province. Case management was done, health education session was conducted.
Clinical Chickenpox outbreak from (Paktika province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
6/4/2022	Paktika	Zarghonshar	Sahak khel	09	0	During this week 01 Chickenpox outbreak was reported from Paktika province. Case management was done, health education session was conducted.
Clinical Mumps outbreak from (Sar-i-pul province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
10/04/2022	Sar-i-pul	Sar-i-pul	Ongut	09	0	During this week 01 Mumps outbreak was reported from Sar-i-pul province. Case management was done, health education session was conducted.

Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 16, April, 2022)

Disease/Event	Count of Disease/Event	Sum of Lab_ Confirm	Sum of total Cases	Sum of Total Deaths
Measles	181	55	2679	100
CCHF	10	1	10	1
Dog bites/Suspected Rabies	7	0	44	0
Pertussis	5	0	17	0
Food poisoning	3	0	71	2
Scabies	3	0	56	0
Chickenpox	2	0	10	0
Leishmaniasis	2	0	56	0
Diphtheria	1	0	1	0
Mumps	1	0	9	0
Pneumonia	1	0	25	0
COVID-19	1	1	24868	408
217	57	27846	511	217

Figure 4: Distributions of COVID-19, suspected Measles cases and deaths during week 15th



Laboratory surveillance:

A total of 6,147 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 269 specimens were confirmed for COVID-19 and 78 specimens were confirmed for Measles, 02 specimens confirmed for Dengue fever and 01 specimen confirmed for Brucellosis in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 15th 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamiyan, Baghlan, Nangarhar, Kapisa and Paktia). Out of all new hospital admissions, 199 (5.6%) 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 14th 2022. Thirteen SARI associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were from Kapisa (38%) Kabul (21%) and Baghlan (18%) provinces. In this epi-week, our field staff shipped 24 SARI and 18 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, 5,161 specimens were tested for suspected COVID-19. Out of which 269 specimens 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 **17.7 %** compared to last week, (in majority of the provinces we had shortage of the testing kits in this week).

- Bed occupancy rate (BOR) at the national level was **47.4 %**, which increased 5.1 % compared to last week.
- Out of **562** contacts of **181** 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. In addition, health education was conducted for them, about **57,150** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

Challenges:

- Weak understanding of the BPHS and EPHS implementer NGOs on the implementation of diseases surveillance.
- Suspected Measles cases and outbreaks are in the increasing trend (in this week **3,666** measles cases and 20 deaths were reported).
- No mandatory reporting of Measles and other priority diseases and outbreaks from all health facilities (public and private HFs)
- Shortage of lab samples collection consumables and testing kits in majority of the provinces have strongly decreased the number of tests.

Recommendations:

- A half-day workshop for the NGOs managers and the technical staff is highly recommended to be invited through MoPH.
- Measles vaccination campaigns are needed to be conducted based on the outbreaks reported and also the routine vaccination coverage need to improve.
- Measles and all surveillance priority diseases outbreaks should be reported by all health facilities including private HFs.
- 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.
 - **EPI:** As the system detected **3,666** suspected Measles cases, with **20** 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 should be taken by the concerned departments.