

National Disease Surveillance & Response (NDSR)

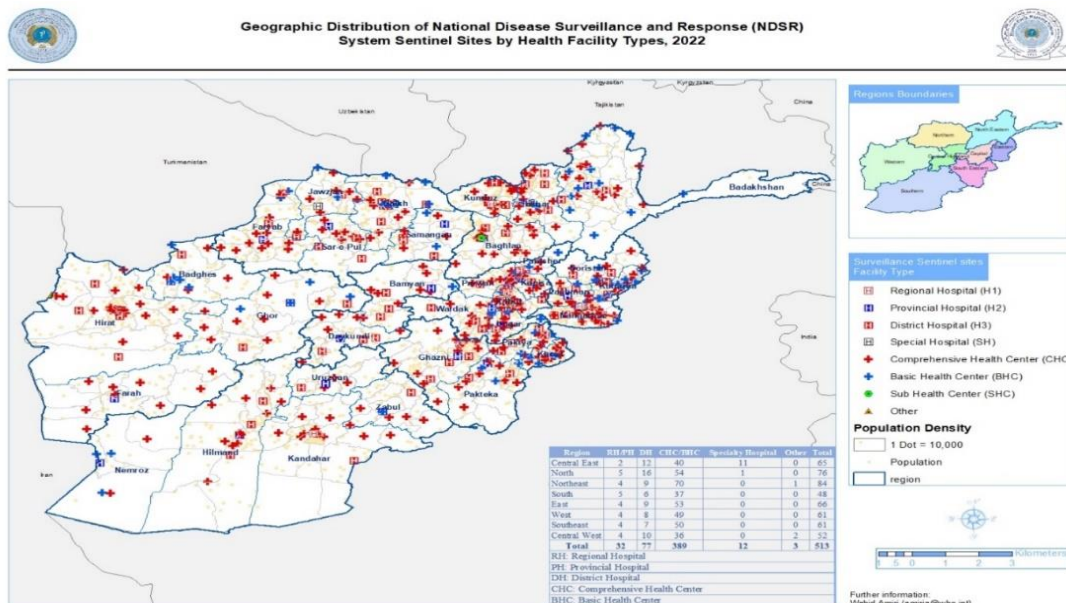
NDSR Weekly Epidemiological Report 16<sup>th</sup>

Date: 17-23 /04 / 2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 504 (97.1%) have submitted reports this week.
- A total of 497,616 new consultations, 191,843 (38.6%) were due to Surveillance targeted diseases. That included 102,311 males (53.3%) and 89,532 females (46.7%). Also, 96,885 (50.5%) under five years old and 94,958 (49.5%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 105,516 cases (21.2%) out of total new consultations, Acute Diarrheal Diseases 58,142 cases (11.7%) out of total new consultations and Pneumonia, 19,809 cases (4%) out of total new consultations.
- A total of 198 deaths were reported this week, of which 71 deaths (36 %) were due to Surveillance targeted diseases deaths, which includes 34 Pneumonia deaths, 23 suspected Measles deaths, 04 Acute Watery Diarrhea (AWD) with Dehydration deaths, 04 COVID-19 deaths, 03 Acute Watery Diarrhea (AWD) deaths, 01 Suspected Meningitis/ Severely Ill Child death, 01 Typhoid Fever death, 01 Pregnancy-related death.
- A total of **3,483** Measles suspected cases with **23** deaths were reported in this week.
- In addition, during this week 15 outbreaks (10 **Measles** outbreaks were reported from Kandahar, Helmand, Nangarhar, Takhar, Faryab, Ghazni, Paktia and Farah provinces. And 05 Suspected **CCHF** outbreaks were reported from Baghlan, Jawzjan, Kunar and Nangarhar provinces).
- Moreover, **266** COVID-19 confirmed cases reported at national level.

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



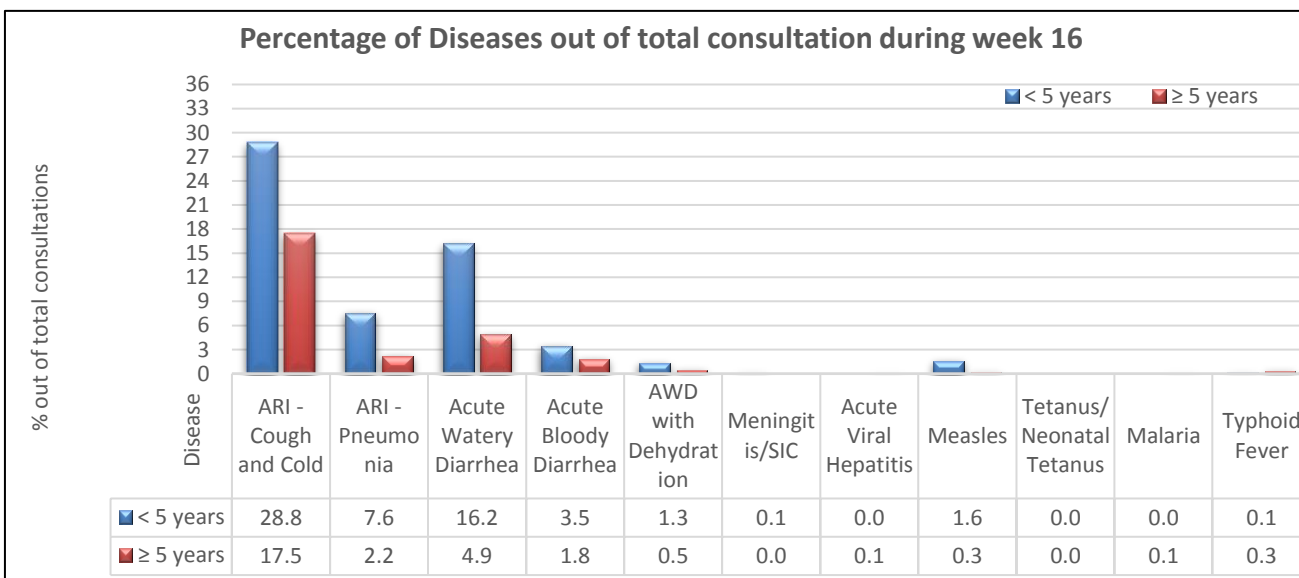
**Table 1: Coverage of NDSR Surveillance System**

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

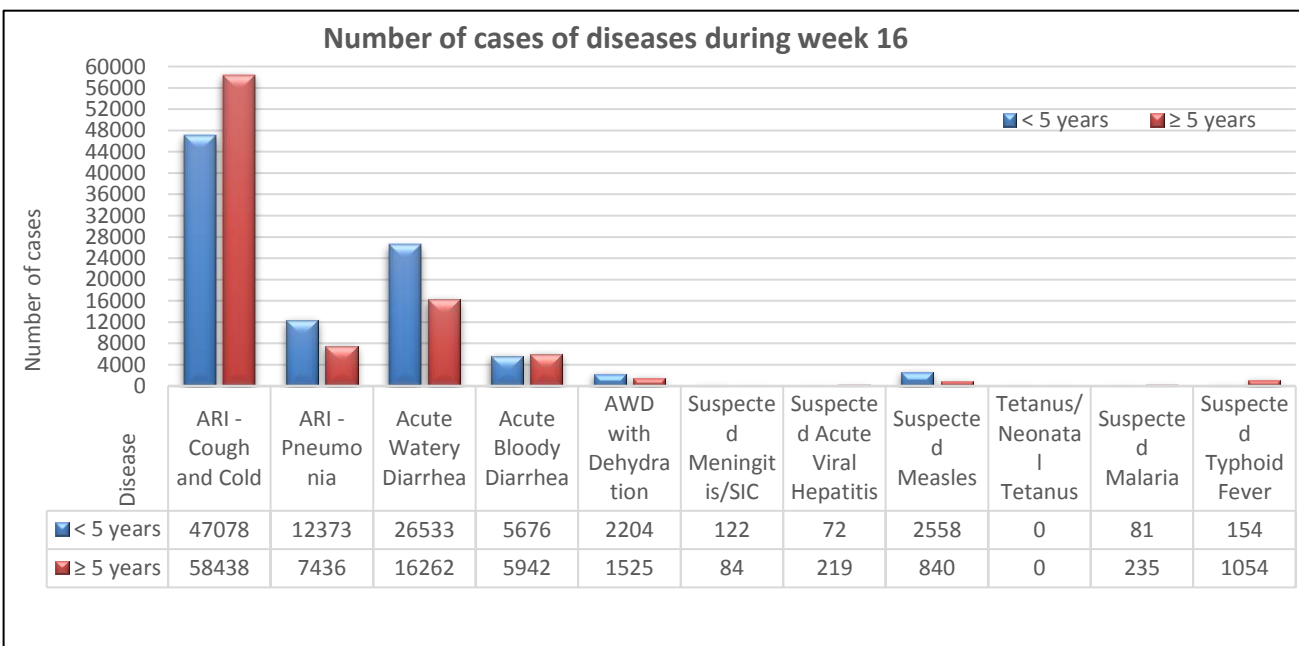
**Indicator - based Surveillance (IBS):**

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**

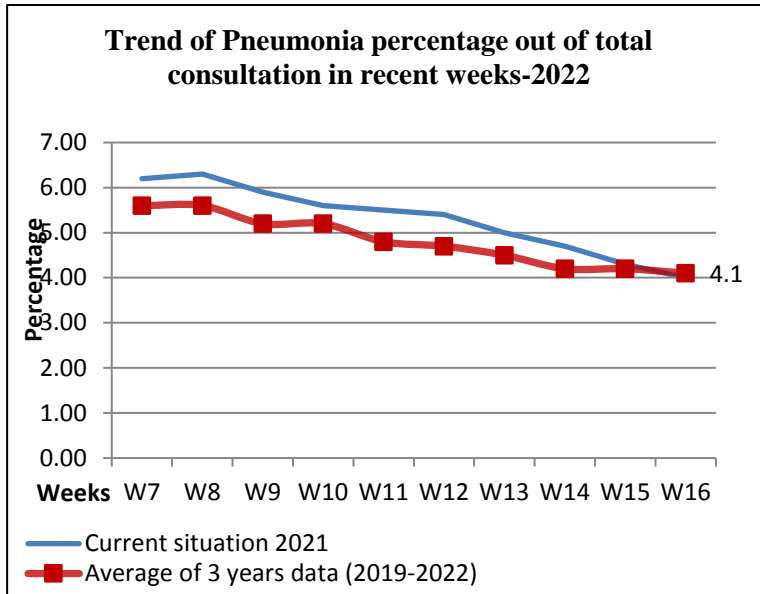


**Table 2: Cases and deaths due to VPDs by age group during week 16<sup>th</sup>, 2022**

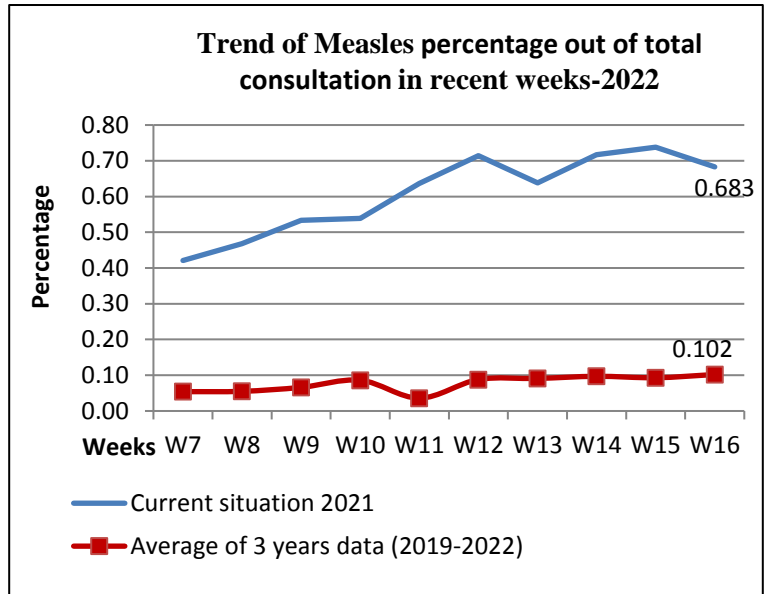
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	2558	840	3398	23	0	23	0.68

**Seasonal Diseases:**

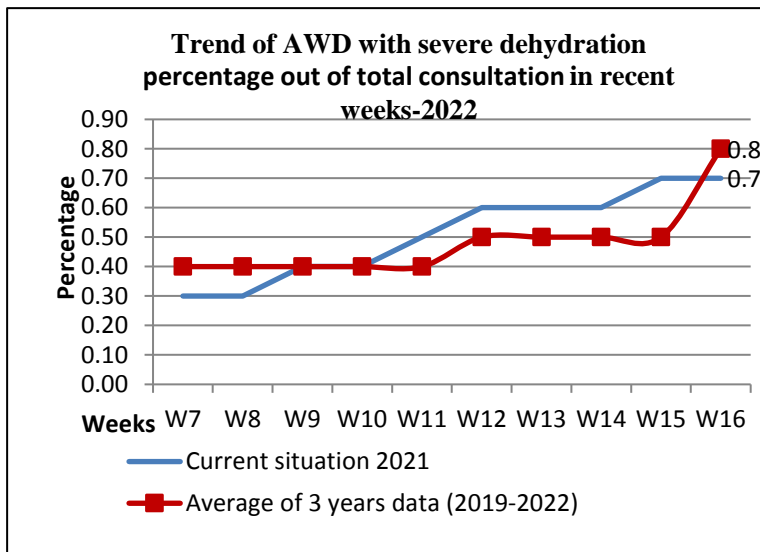
**Figure 3: A**



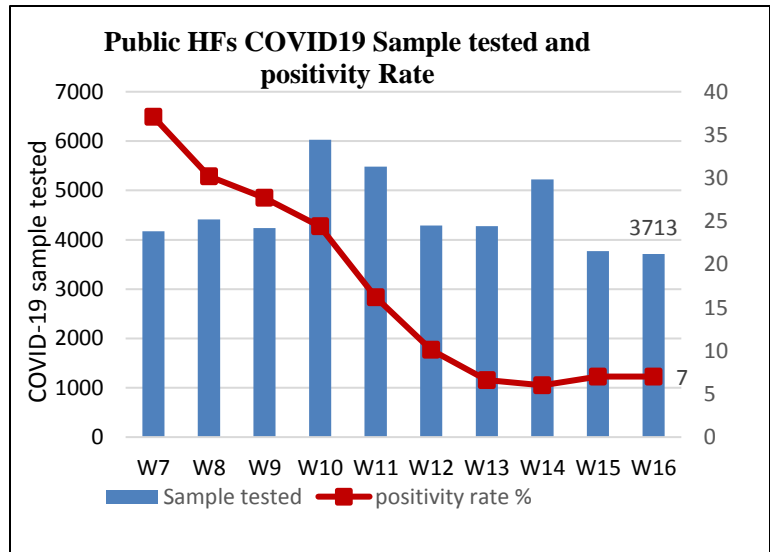
**Figure 3: B**



**Figure 3: C**



**Figure 3: D**



**Table 3: Outbreaks in week 16<sup>th</sup>:**

<b>Suspected Measles outbreaks ( Kandahar, Helmand, Nangarhar, Takhar, Faryab, Ghazni, Paktia and Farah provinces )</b>										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
19/04/2022	Kandahar	Arghistan	Badize	4	1	5	0	91%	42%	In this week, 10 suspected Measles outbreaks were reported from Kandahar, Helmand, Nangarhar, Takhar, Faryab, Ghazni, Paktia 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.
21/04/2022		Panjwaie	Jamrasi	2	3	2	0	88%	56%	
18/04/2022	Helmand	Nahresaraj	Awyogazi	4	5	6	0	89%	0%	
19/04/2022		Nahresaraj	Seroud Mandh	4	5	5	0	90%	0%	
20/04/2022	Nangarhar	Behsood	10 <sup>th</sup> Canal	14	0	14	0	75%	70%	
19/04/2022	Takhar	Taluqan	Proja	0	7	4	0	NA	90%	
19/04/2022	Faryab	Dawlatabad	Qozibyqala	8	9	14	0	125%	22%	
18/04/2022	Ghazni	Center of Ghazni	Jabarwal Qala	8	12	11	0	NA	60%	
17/04/2022	Paktia	Zazi Ariob	Sarwanikhil	11	5	13	0	NA	25%	
17/04/2022	Farah	Bakwa	Khalipha Khil	9	3	11	0	60%	0%	

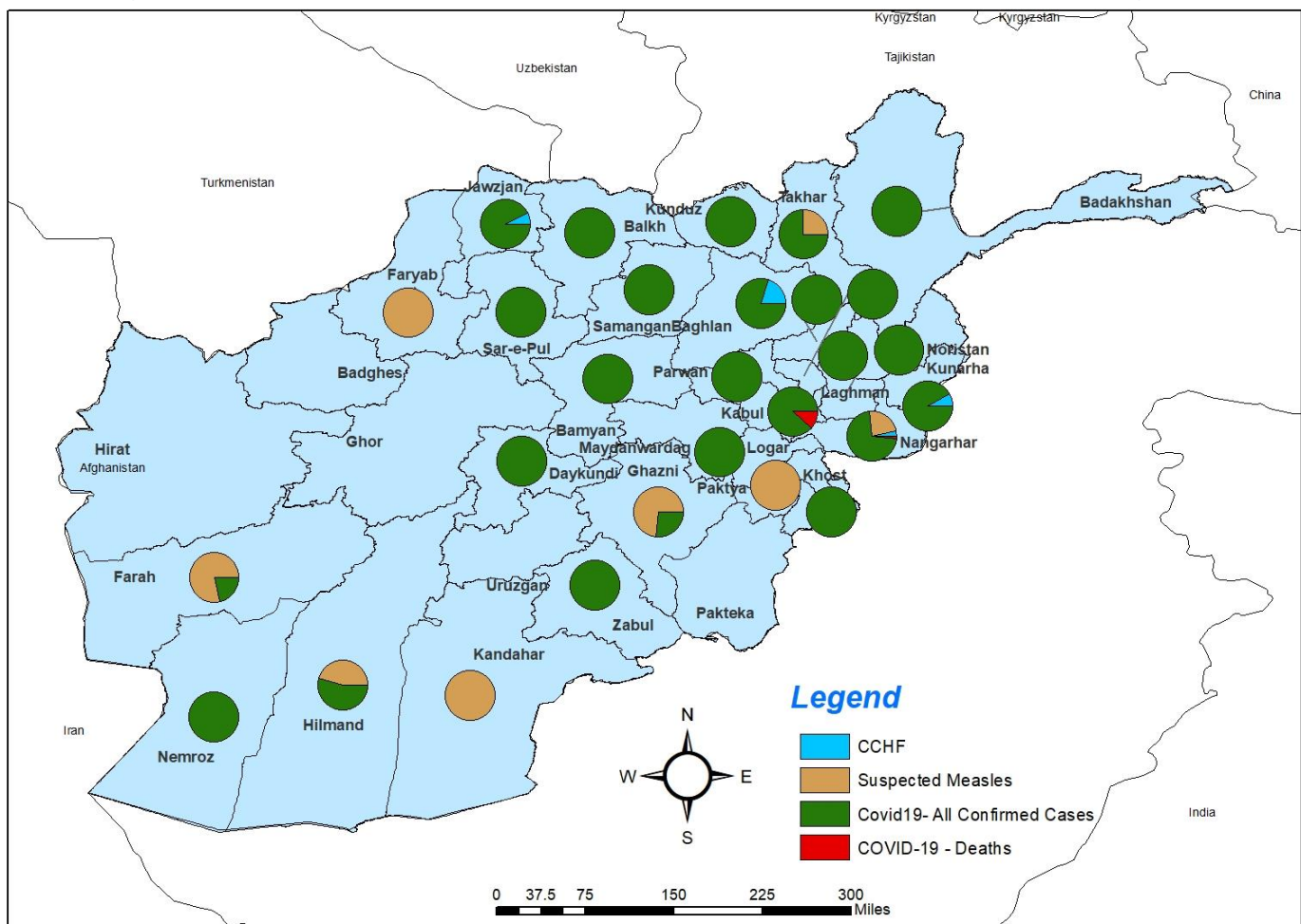
**Suspected CCHF cases ( Baghlan, Jawzjan, Kunar and Nangarhar Provinces )**

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
17/4/2022	Baghlan	Pole Khumri	Qanit Gaah Wali	1	0	39	Bucher	During this week 05 suspected CCHF cases were reported from Baghlan, Jawzjan, Kunar and Nangarhar provinces. Case management were done, health education sessions were conducted and the information was shared with the related departments and animal health as well, to take the control and preventive measures.
17/4/2022	Jowzjan	Shabarghan	Kinarah	1	0	65	Bucher	
19/4/2022	Kunar	Asad Abad	Yar Gul	1	0	55	Housewife	
20/04/2022	Nangarhar	Sorkhroard	Siasang	1	0	28	Housewife	
23/04/2022		Behsood	Binigaha	1	0	28	Housewife	

**Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 23, April, 2022)**

Disease/Event	Count of Disease/Event	Sum of Lab_Confirm	Sum of total Cases	Sum of Total Deaths
Measles	191	2793	100	191
CCHF	15	15	2	15
Dog bites/Suspected Rabies	7	44	0	7
Pertussis	5	17	0	5
Food poisoning	3	71	2	3
Scabies	3	56	0	3
Chickenpox	2	10	0	2
Leishmaniasis	2	56	0	2
Diphtheria	1	1	0	1
Mumps	1	9	0	1
Pneumonia	1	25	0	1
COVID-19	1	25134	412	1
<b>Grand Total</b>	<b>232</b>	<b>28231</b>	<b>516</b>	<b>232</b>

**Figure 4: Distributions of COVID-19, Measles cases and deaths and CCHF cases during week 16<sup>th</sup>**



### **Laboratory surveillance:**

A total of 5,738 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 266 specimens were confirmed for COVID-19 and 38 samples were confirmed for Measles, 03 specimens confirmed for Malaria and 03 specimen confirmed for Brucellosis in this week. (Follow up by the CPHL is going on).

### **Influenza Surveillance activities:**

In Epidemiological week 16<sup>th</sup> 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 167 (4.7%) Severe Acute Respiratory Infections cases were reported and 63% were under 5 years old. The proportion of SARI cases were decreased as compared to week 15<sup>th</sup> 2022. Twelve 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 Kapisa (37%) Kabul (19%) and Baghlan and Bamyan (10%). 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, 4,982 specimens were tested for suspected COVID-19. Out of which 266 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 decreased **1.1 %** compared to last week, (in majority of the provinces we had testing kits shortage this week).
- Bed occupancy rate (BOR) at the national level was **49.5 %**, which increased 2.1 % compared to last week.
- Out of **557** contacts of **193** 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 **51,089** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

### **Challenges:**

- Acute diarrhea cases were slightly increased compared to last week, also in this week 07 deaths due to AWD were reported, (last year we also had a huge outbreak of AWD with dehydration).
- Suspected Measles cases and outbreaks are still in the increasing trend (in this week **3,483** measles cases and 23 deaths were reported).
- No mandatory reporting of notifiable diseases and priority diseases and outbreaks from all the health facilities (public and private)
- Shortage of lab samples collection consumables and testing kits in majority of the provinces have strongly decreased the number of tests.

### **Recommendations:**

- Preparedness for the preventive measure for AWD control should be improved in the HFs level, provincial and national levels

- Measles vaccination campaigns should be conducted in the areas where there are low vaccination coverage and more measles cases and outbreaks
- Notifiable diseases including 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 **3,483** suspected Measles cases, with **23** 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.