

Summary:

- Out of 519 functional Surveillance sentinel sites, 506 (97.5%) have submitted reports this week.
- A total of 544,271 new consultations, 210,735 (38.7%) were due to Surveillance targeted diseases. That included 112,477 males (53.4%) and 98,258 females (46.6%). Also, 104,596 (49.6%) under five years old and 106,139 (50.4%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 107,160 cases (19.7%) out of total new consultations, Acute Diarrheal Diseases 76,070 cases (14%) out of total new consultations, and Pneumonia, 19,426 cases (3.6%) out of total new consultations.
- A total of 202 deaths were reported this week, of which 59 deaths (29.2%) were due to Surveillance targeted diseases deaths, which include 37 Pneumonia deaths, 09 Suspected Measles deaths, 06 COVID-19 deaths, 03 Suspected Meningitis/ Severely Ill Child deaths, 02 Suspected Hemorrhagic Fever deaths, 01 Acute Watery Diarrhea (AWD) death and 01 Pregnancy-related death.
- A total of **2,632** Measles suspected cases with **09** deaths were reported in this week.
- In addition, during this week 23 outbreaks (11 **Measles** outbreaks were reported from Kandahar, Urozgan, Kunar, Faryab, Samangan, Wardak, Paktia, Khost and Ghor provinces, 09 Suspected **CCHF** outbreaks were reported from Samangan, Kabul, Farah and Herat provinces, 01 **AWD** with severe dehydration outbreak was reported from Kandahar province, 01 **Suspected Rabies / Dog bites** outbreak was reported from Kapisa province and 01 **Suspected Rabies / Cat bites** outbreak was reported from Wardak province.
- Moreover, **283** COVID-19 confirmed cases reported at national level.

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

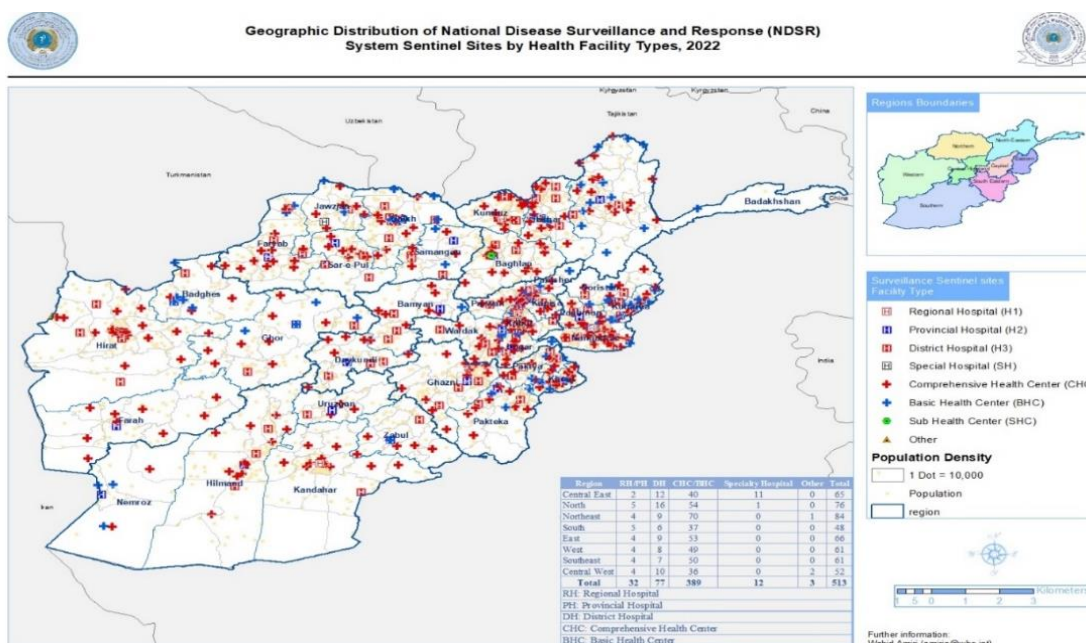


Table 1: Coverage of NDSR Surveillance System

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

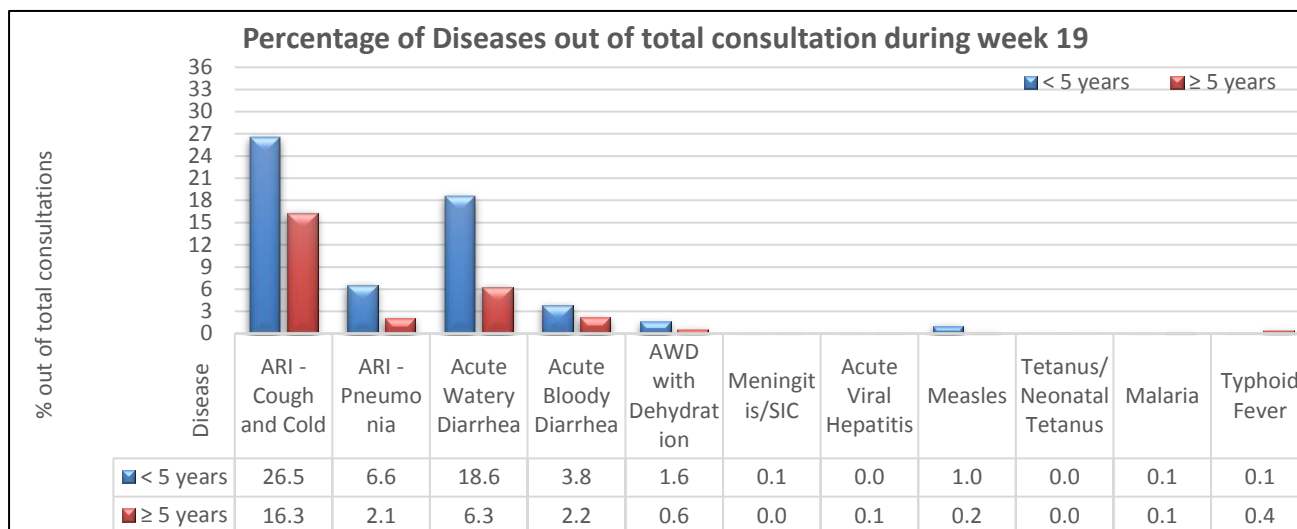


Figure 2: B

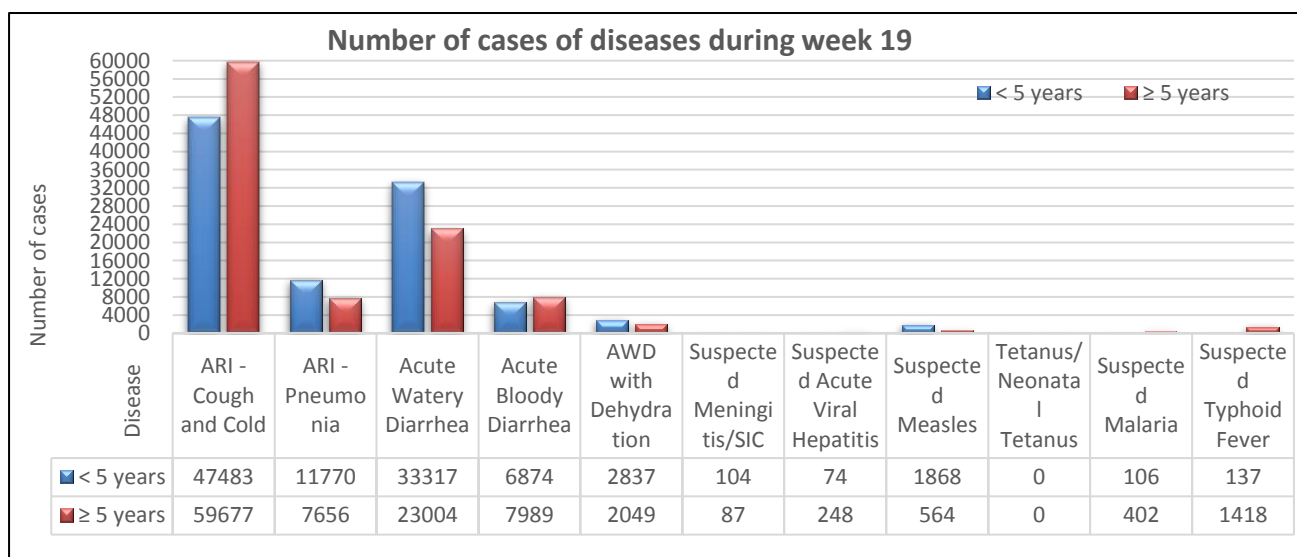


Table 2: Cases and deaths due to VPDs by age group during week 19th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	1,868	564	2,432	08	0	08	0.32

**Seasonal Diseases:
Figure 3: A**

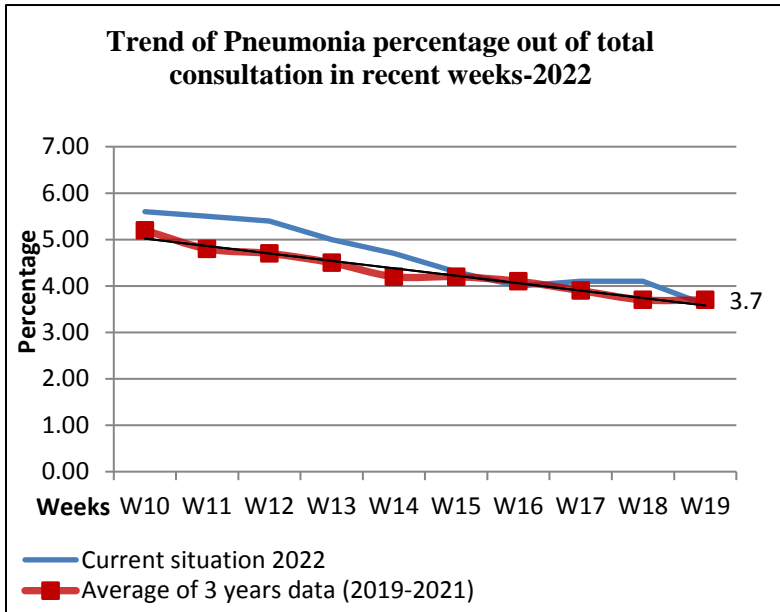


Figure 3: B

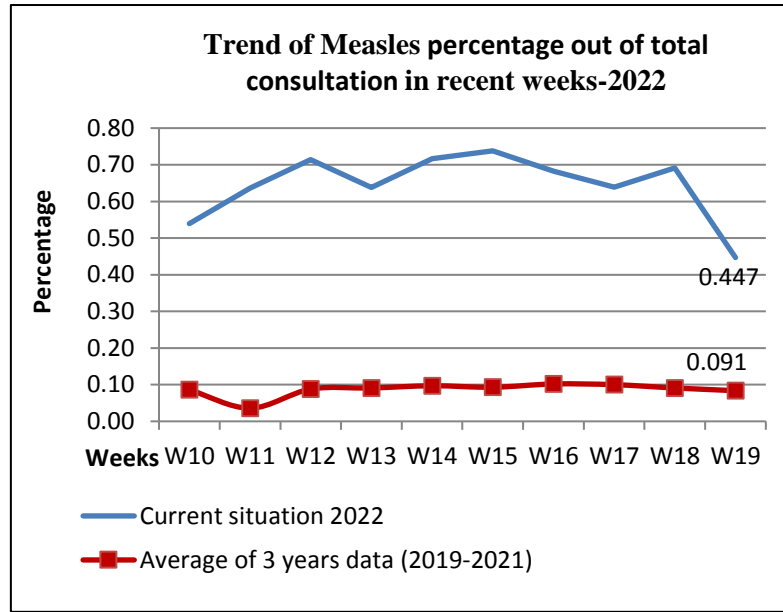


Figure 3: C

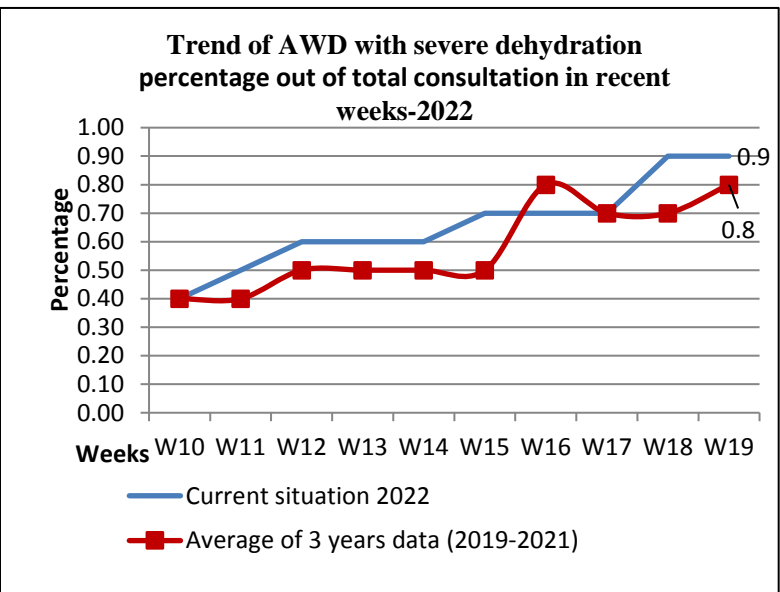


Figure 3: D

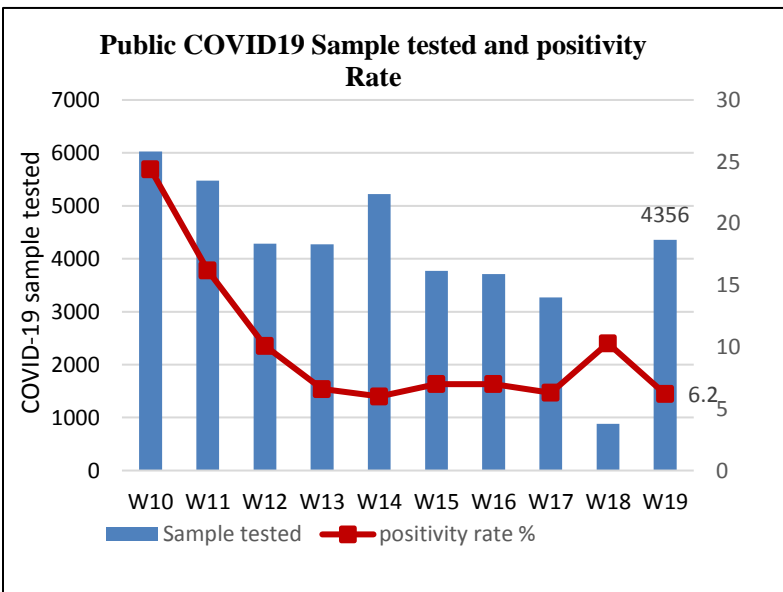


Table 3: Outbreaks in week 19th:

Suspected Measles outbreaks (Kandahar, Urozgan, Kunar, Faryab , Samangan, Wardak, Paktia, Khost and Ghor provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
08/04/2022	Kandahar	Arghistan	Folad	3	2	5	0	88%	34%	In this week, 11 suspected Measles outbreaks were reported from Kandahar, Urozgan, Kunar, Faryab, Samangan, Wardak, Paktia, Khost and Ghor 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.
08/05/2022	Urozgan	Tarinkot	Surakh Beed	11	21	32	0	79%	10%	
08/05/2022	Kunar	Sawkay	Babaroo	19	1	20	0	100%	85%	
09/05/2022		Dara-e-Pach	Shuraik area	40	25	65	1	40%	30%	
10/05/2022	Faryab	Maimana	Damqul	6	0	6	0	47%	24%	
09/05/2022	Samangan	Aybak	Sherekyar	18	12	30	0	60%	30%	
09/05/2022	Wardak	Central	Dadale	2	10	12	0	77%	NA	
10/05/2022		Central	Barghoshon	4	6	10	0	63%	50%	
10/05/2022	Paktia	Gardiz	Sraqala	7	3	10	0	UN	40%	
09/05/2022	Khost	Mandozi	Charaga	5	0	5	0	0.8%	0.42%	
10/05/2022	Ghor	Firozkoh	Khakmollah	0	5	5	0	UN	40%	

Suspected CCHF cases (Samangan, Kabul, Farah and Herat Provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
10/05/2022	Samangan	Feroz Naqkhshi	Feroz Naqkhshi	1	1	22Y	Shepherd	During this week 09 suspected CCHF cases were reported from Samangan, Kabul, Farah and Herat provinces. Case management were done for all the cases, health education sessions were conducted and the information was shared with related
13/05/2022	Kabul	District 5	Khushal Khan Mina	1	0	18Y	Butcher	
13/05/2022		Paghman	Arghandi	1	0	27Y	Butcher	
13/05/2022		District 5	Khushal Khan Mina	1	0	20Y	Butcher	
13/05/2022	Farah	Durani	Durani	1	0	27Y	Butcher	

09/05/2022	Herat	Area 15	Ghond 11	1	0	25Y	Butcher	departments and animal health as well, to take the control and preventive measures.
10/05/2022		Guzara	Siawshan	1	0	25Y	Farmer	
13/05/2022		Injil	Dh ozbak	1	0	30Y	Housewife	
14/05/2022		Injil	Boloqa	1	0	16Y	Butcher	

AWD with severe dehydration outbreaks from (Kandahar province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
06/05/2022	Kandahar	KDR City	Kabul shah, Merwais Mena and Qasam pol	09	0	During this week 01 AWD with severe dehydration / suspected cholera outbreak was reported from different areas of Kandahar city. 09 AWD with severe dehydration / suspected cholera Cases were reported, all preventive measures and case management was done, and health education sessions were conducted for all the cases.

Suspected Rabies / Dog bites Outbreak (Kapisa province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
10/05/2022	Kapisa	Alasay	Raisng	3	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. Moreover, the investigation team cut the head of the dogs and shifted to Kabul for lab confirmation.

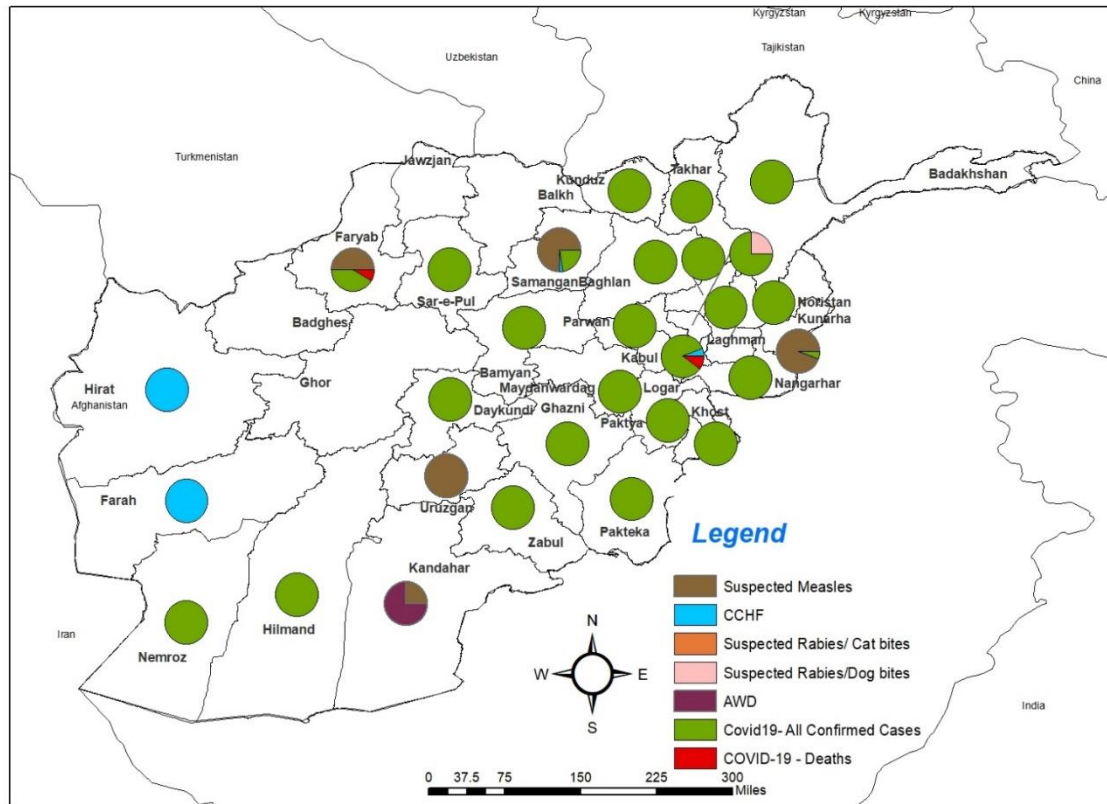
Suspected Rabies / Cat bites Outbreak (Wardak province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
12/05/2022	Wardak	Central	Choni	4	0	During this week, one Suspected Rabies/ Cat bite outbreak was reported from Wardak province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted. Moreover, the investigation team shifted the head of the cat, to Central Public Health Laboratory.

Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 14, May, 2022)

Disease/Event	Count of Disease/Event	Sum of Lab_Confirm	Sum of totalCases	Sum of Total Deaths
Measles	208	56	3065	101
CCHF	40	2	40	4
Dog bites/Suspected Rabies	9	0	49	0
Pertussis	6	0	23	0
Food poisoning	4	0	113	2
Acute Watery Diarrhea	1	0	09	0
Scabies	3	0	56	0
Chickenpox	2	0	10	0
Leishmaniasis	2	0	56	0
Mumps	1	0	9	0
Cat bite suspected rabies	1	0	4	0
Pneumonia	1	0	25	0
Diphtheria	1	0	1	0
COVID-19	1	1	25724	421
Grand Total	280	59	29184	528

Figure 4: Distributions of COVID-19, CCHF and Food poisoning cases and deaths during week 19th



Laboratory surveillance:

A total of 6,396 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 283 specimens were confirmed for COVID-19, 16 specimens were confirmed for Measles, and 09 specimens

were confirmed for Malaria and 01 specimens were confirmed for CCHF in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 19th 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, 175 (5.3%) Severe Acute Respiratory Infections cases were reported and 70% were under 5 years old. The proportion of SARI cases were increased as compared to week 18th 2022. Ten SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (26%), Kabul (17%) and Baghlan (12%) per province. 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, **5,450** specimens were tested for suspected COVID-19. Out of which 283 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 increased **192 %** compared to last week, (in the majority of the provinces we had testing kits shortage this week).
- Bed occupancy rate (BOR) at the national level was **51.7%**, which increased 11.4 % compared to last week.
- Out of **723** contacts of **189** confirmed cases that were mostly family members with an average of 4 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 **58,385** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

Challenges:

- Diarrheal diseases and CCHF cases are in the increasing trend
- Suspected Measles cases and outbreaks are in the increasing trend (in this week 2,632 measles cases and 09 deaths were reported).
- No mandatory reporting of Measles and other 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:

- A national level committee should be established to guide the preventive measures for AWD with severe dehydration cases.
- Measles vaccination campaigns are needed to be conducted based on the outbreaks reported and also the routine vaccination coverage need to be improved
- 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 **2,632** suspected Measles cases, with **09** 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.