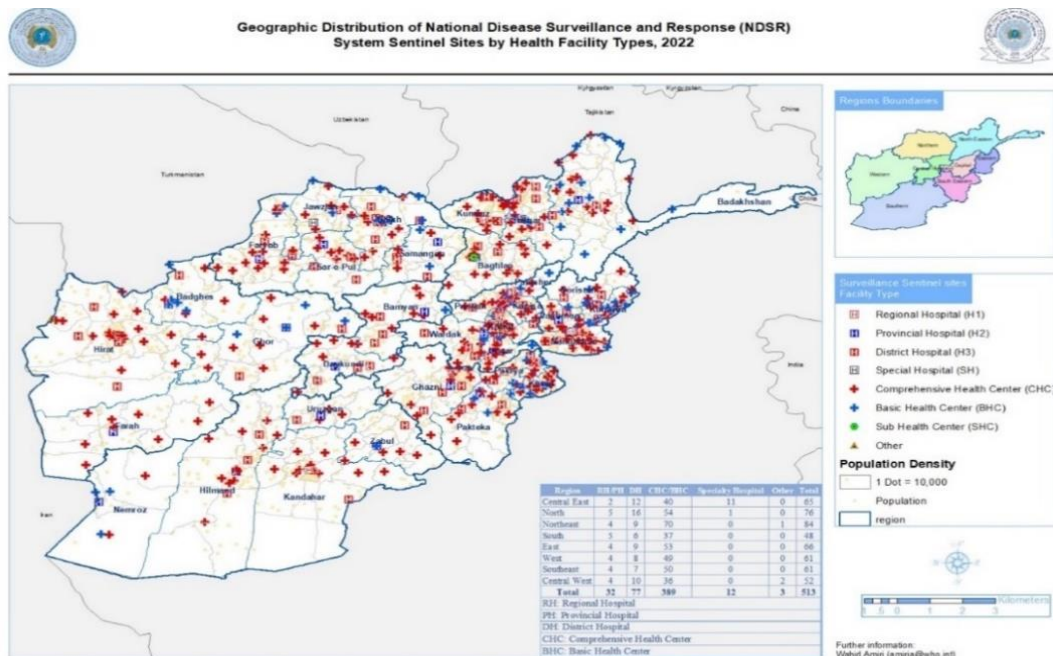


Summary:

- Out of **519** functional Surveillance sentinel sites, **511** (98.5%) have submitted reports this week.
- A total of **569,643** new consultations, **228,877** (40.2%) were due to Surveillance targeted diseases. That included **120,620** (52.7%) males and **108,257** (47.3%) females. Also, **108,652** (47.5%) under five years old and **120,225** (52.5%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, **115,755** (20.3%) cases out of total new consultations, Acute Diarrheal Diseases **84,438** (14.8%) cases out of total new consultations, and Pneumonia, **19,303** (3.4%) cases out of total new consultations.
- A total of **214** deaths were reported this week, of which **52** (24.3%) deaths were due to Surveillance targeted diseases, which include **29** Pneumonia deaths, **09** COVID-19 deaths, **07** Acute Watery Diarrhea (AWD) with Dehydration deaths, **05** Suspected Meningitis/ Severely Ill Child deaths and **02** Suspected Measles deaths.
- In addition, during this week **11** outbreaks reported (**05 Suspected CCHF** outbreaks were reported from Kapisa, Kabul, Parwan and Badghis provinces, **02 AWD** outbreaks were reported from Urozgan and Nuristan Provinces, **01 Food Poisoning** outbreak was reported from Kapisa province, **01 Clinical Pertussis** outbreak reported from Badakhshan province, **01 suspected Rabies** outbreak reported from Takhar Province and **01** Probable Diphtheria outbreak reported from Kandahar Province).
- Moreover, **1321** COVID-19 confirmed cases and **619** suspected Measles cases were reported at the national level.

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



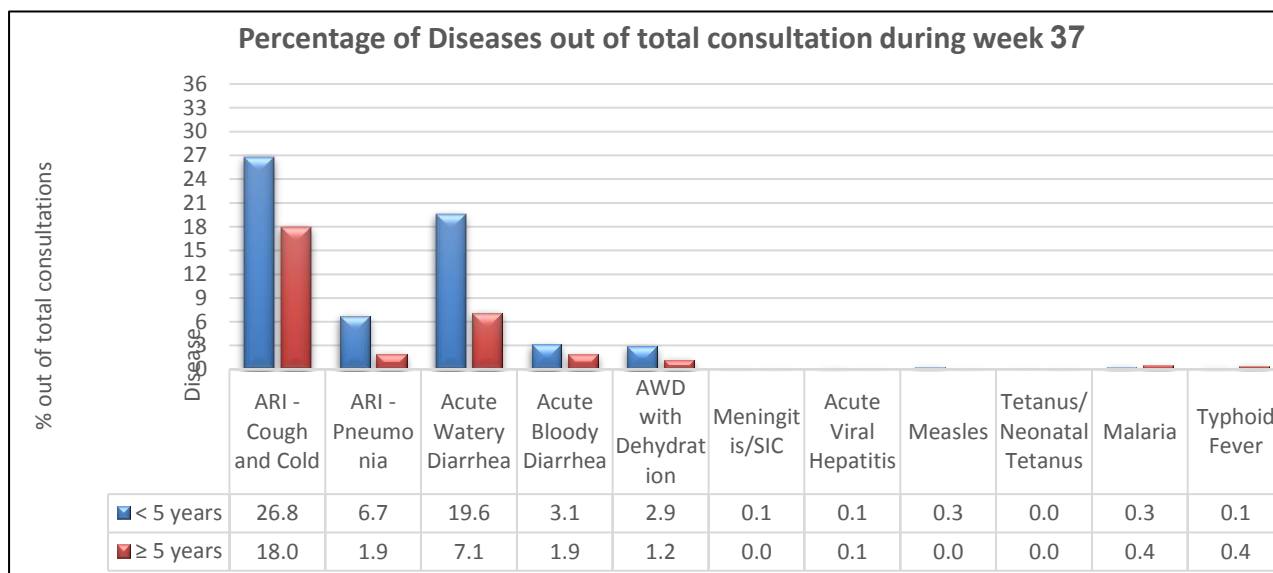
**Table 1: Coverage of NDSR Surveillance System**

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

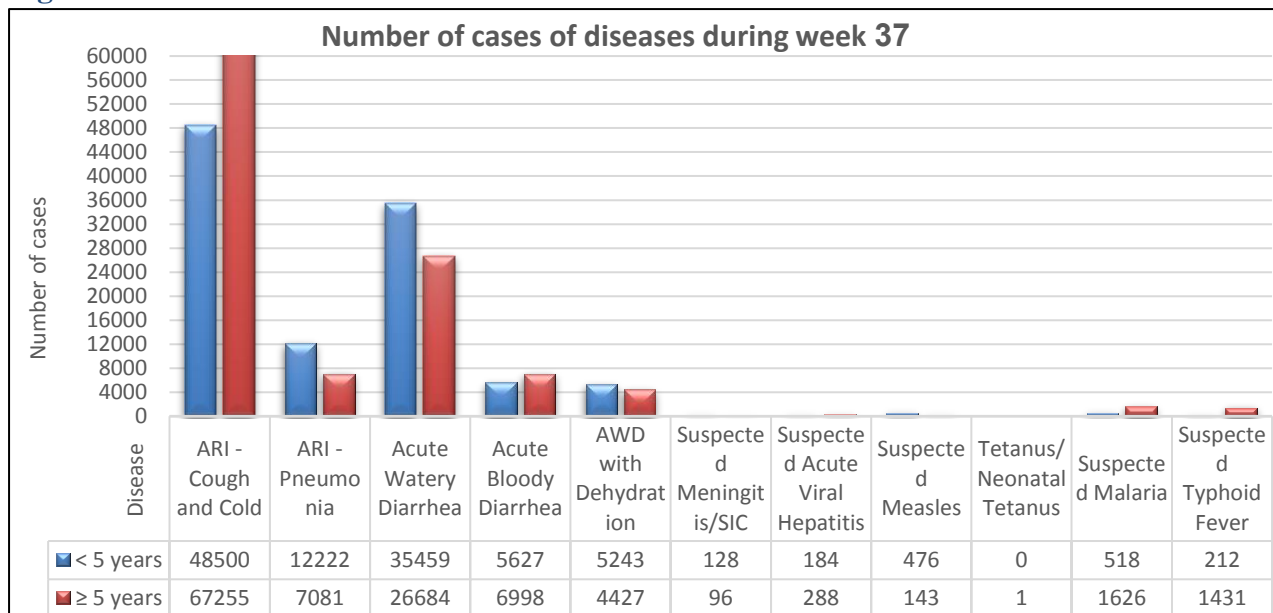
**Indicator - based Surveillance (IBS):**

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**

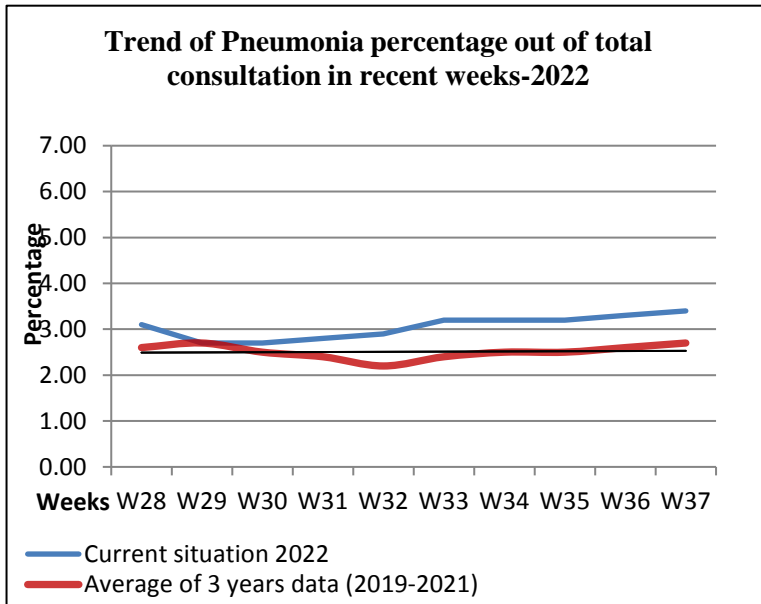


**Table 2: Cases and deaths due to VPDs by age group during week 37<sup>th</sup>, 2022**

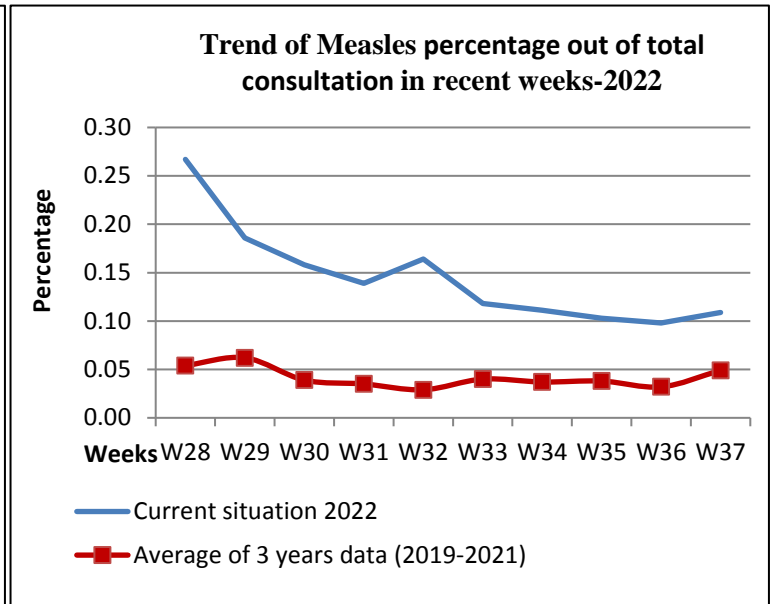
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	476	143	619	2	0	2	0.32

**Seasonal Diseases:**

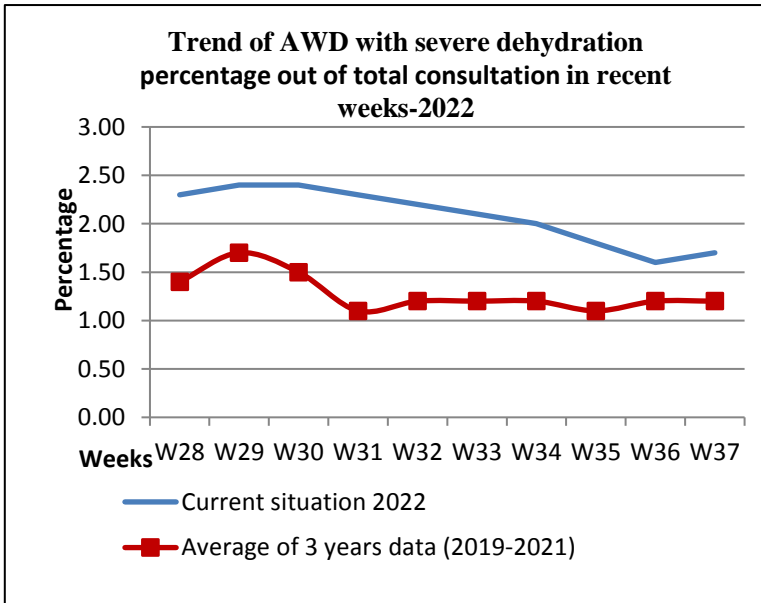
**Figure 3: A**



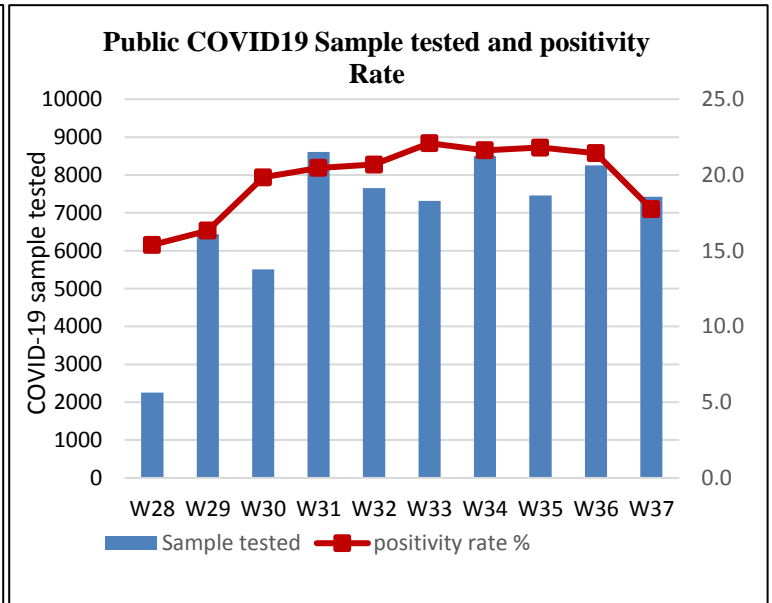
**Figure 3: B**



**Figure 3: C**



**Figure 3: D**



**Table 3: Outbreaks in week 37<sup>th</sup>:**

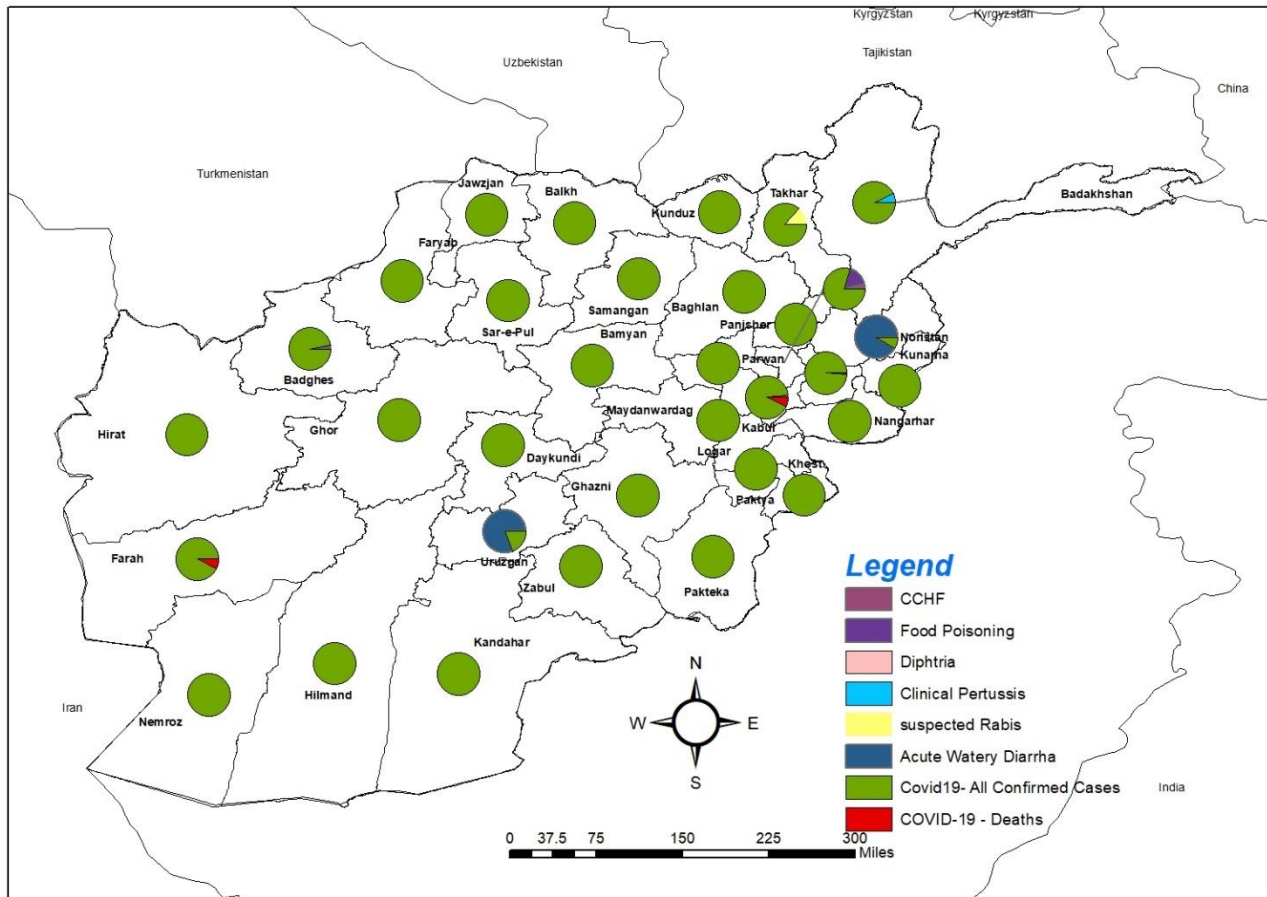
Suspected CCHF Cases (Kapisa, Badghis, Kabul and Parwan) provinces								
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
11/09/2022	Kapisa	Kohistan-2	Qurbankhil	1	0	52Y	Butcher	During this week 05 suspected CCHF cases were reported from Kapisa, Badghis, Kabul and Parwan 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.
11/09/2022		Kohistan-1	Jangbik khil	1	1	80Y	Other	
16/09/2022	Badghis	Qadis	Gala chaqil	1	0	15Y	Other	
16/09/2022	Kabul	District 8	Karte Naw	1	0	36Y	Other	
11/09/2022	Parwan	Bargram	Bagram	1	0	19Y	Other	
AWD outbreaks from (Urozgan and Nuristan) Provinces								
Reported date	Province	District	Village	Total cases	Total deaths	Recommendation/ Action take		
12/09/2022	Urozgan	Shahead asas	Kishi	139	0	During this week 02 AWD outbreaks were reported from Urozgan and Nuristan Provinces. Case management was done, and health education sessions were conducted for all the cases. More updates will be shared through follow-up and final investigation reports.		
11/09/2022	Nuristan	Norgram	Nangraj.Mamo	160	3			
Food Poisoning outbreak from (Kapisa) province								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
11/09/2022	Kapisa	Nejrab	Dara-e- Farakhsha	8	0	During this week 01 Poisoning outbreak was reported from Kapisa province. Case management was done, health education sessions were conducted for all the cases.		

Pertussis outbreak from (Badakhshan) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
11/09/2022	Badakhshan	Faizabad	Shuhada Village	6	0	During this week 01 Pertussis outbreak was reported from Badakhshan province, Case management was done. Health education sessions were conducted for all the cases.
Suspected Rabies outbreak from (Takhar) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
15/09/2022	Takhar	Taluqan	Aahandarah	6	0	During this week 01 suspected Rabies outbreak was reported from Takhar province, Case management was done. health education sessions were conducted for all the cases.
Diphtheria outbreak from (Kandahar) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
15/09/2022	Kandahar	Kandahar City	Merwais Mena	1	0	During this week 01 Diphtheria outbreak was reported from Kandahar 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 17 September 2022)**

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	243	170	3475	108
CCHF	332	83	333	12
Dog bites/Suspected Rabies	16	1	103	0
Pertussis	30	1	176	10
Acute Watery Diarrhea	63	14	4020	11
Food Poisoning	14	0	335	2
Unknown Poisoning	1	0	5	2
Scabies	7	0	112	0
Chickenpox	24	1	242	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	2	0	22	0
Diphtheria	2	0	2	0
Pneumonia	1	0	25	0
Dengue fever	2	0	6	0
Skin disease	1	0	3	0
Anthrax	1	0	5	0
Malaria	3	3	1282	0
COVID-19	1	1	42284	509
<b>Grand Total</b>	<b>747</b>	<b>274</b>	<b>52501</b>	<b>645</b>

**Figure 4: Distributions of COVID-19, CCHF, Acute Watery Diarrhea, sus Pertussis, sus Rabies, Probable Diphtheria, Food poisoning cases and deaths during the week 37<sup>th</sup>**



**Laboratory surveillance:**

A total of **9342** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **1321** specimens were confirmed for COVID-19, **69** specimens were confirmed for Malaria, **20** specimens were confirmed for Acute Watery Diarrhea, **09** specimens were confirmed for Measles, **01** specimen was confirmed for SARI, **01** specimen was confirmed for ILI (Follow-up by the CPHL is going on).

**Influenza Surveillance activities:**

In Epidemiological week 37<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, 186 (4.9%) Severe Acute Respiratory Infections (SARI) cases were reported and 67% were under 5 years old. The proportion of SARI cases was slightly increased (0.4%) compared to week 36<sup>th</sup> 2022. Also 05 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (21%), Bamyan (15.7%), and Kabul (14%) provinces. During this Epi-week, our field staff shipped 21 SARI and 18 ILI specimens to the National Influenza Center (NIC).

### COVID-19 Surveillance activities:

In this week, **8334** specimens were tested for suspected COVID-19. Out of which **1321** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 15.9 % in this week, which decreased 2.8% compared to previous week.
- Bed occupancy rate (BOR) at the national level was **52.2%**, which decreased 2.8 % compared to last week.
- Out of **1321** confirmed cases, **3376** contacts of **1078** 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 **44183** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

### Challenges:

- AWD outbreaks and diarrheal diseases cases are still a public health problem, in this week we had 02 AWD outbreaks and 07 deaths due to AWD with dehydration.
- Trend of ARI/pneumonia was slightly increased compared to previous week
- Suspected Measles cases are increased compared to the previous week, as in this week **619** suspected measles cases and 02 deaths due to measles were reported.

### Recommendations:

- Strong preventive and control measures are needed for the control of AWD cases at the national level.
- Preventive and control measure should be strengthened for the control of ARI (Influenza and Pneumonia at the national level)
- Measles vaccination and preventive measures should be strengthened and the measles response strategy should be revised.
  - **EPI:** As the surveillance system detected **619** 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.