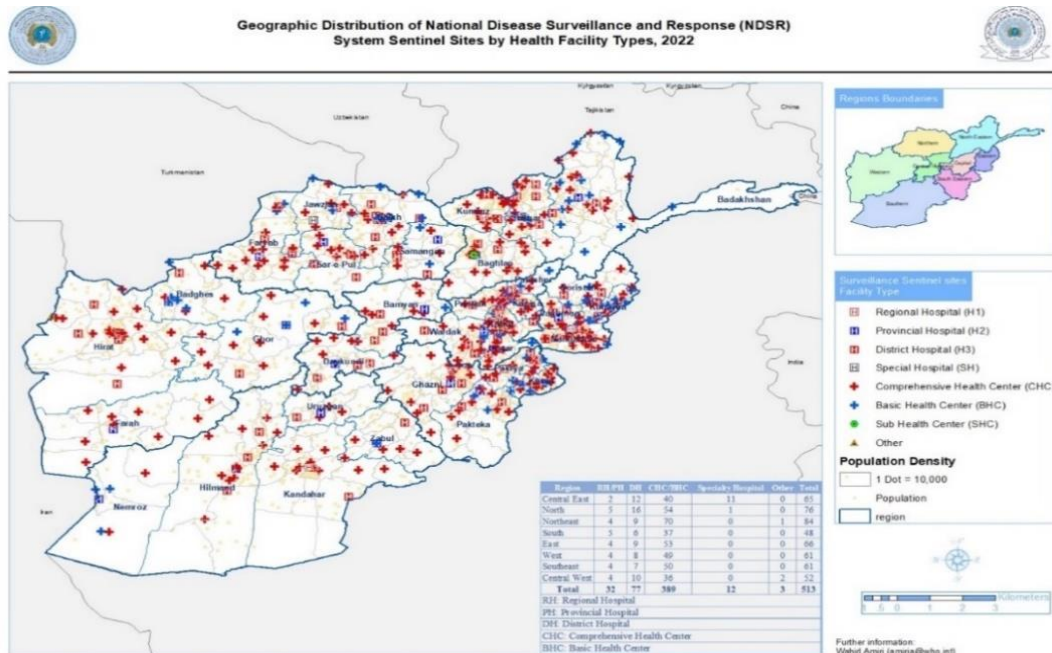


Summary:

- Out of **519** functional Surveillance sentinel sites, **509 (98.1%)** have submitted reports this week.
- A total of **540,215** new consultations, **216,433 (40.1%)** were due to Surveillance targeted diseases. That included **115,124 (53.2%)** males and **101,309 (46.8%)** females. Also, **105,632 (48.8%)** under five years old and **110,802 (51.2%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **118,546 (21.9%)** cases out of total new consultations, Acute Diarrheal Diseases **69,080 (12.8%)** cases out of total new consultations, and Pneumonia, and **21,326 (3.9%)** cases out of total new consultations.
- A total of **177** deaths were reported this week, of which **35 (19.8%)** deaths were due to Surveillance targeted diseases, which include **23** Pneumonia deaths, **04** COVID 19 deaths, **03** Acute Watery Diarrhea (AWD) with Dehydration deaths, **02** Suspected Acute Viral Hepatitis deaths, **02** Suspected Measles deaths and **01** Typhoid Fever death.
- In addition, during this week **21** outbreaks reported (**10 Suspected CCHF** outbreaks were reported from **Kabul, Balkh, Baghlan, Herat, Parwan and Wardak** provinces, **03 AWD** outbreaks were reported from **Badakhshan, Baghlan, and Parwan** Provinces, **04 Dengue Fever** outbreaks were reported from **Kabul and Nangarhar** Provinces, **02 suspected Mumps** outbreaks were reported from **Herat** province, **01 Dog bite/ Suspected Rabies** outbreak was reported from **Takhar** province and **01** suspected **Chickenpox** outbreak was reported from **Herat** province).
- Moreover, **949** COVID-19 confirmed cases and **538** suspected Measles cases with **02** deaths due to Measles were reported at the national level.

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



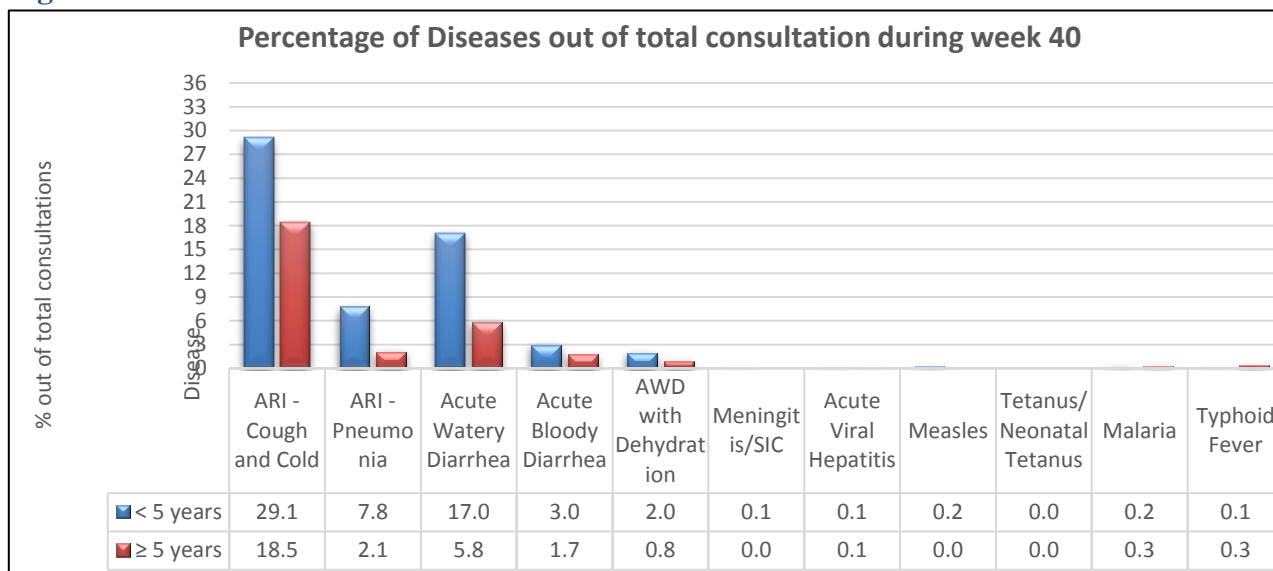
**Table 1: Coverage of NDSR Surveillance System**

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

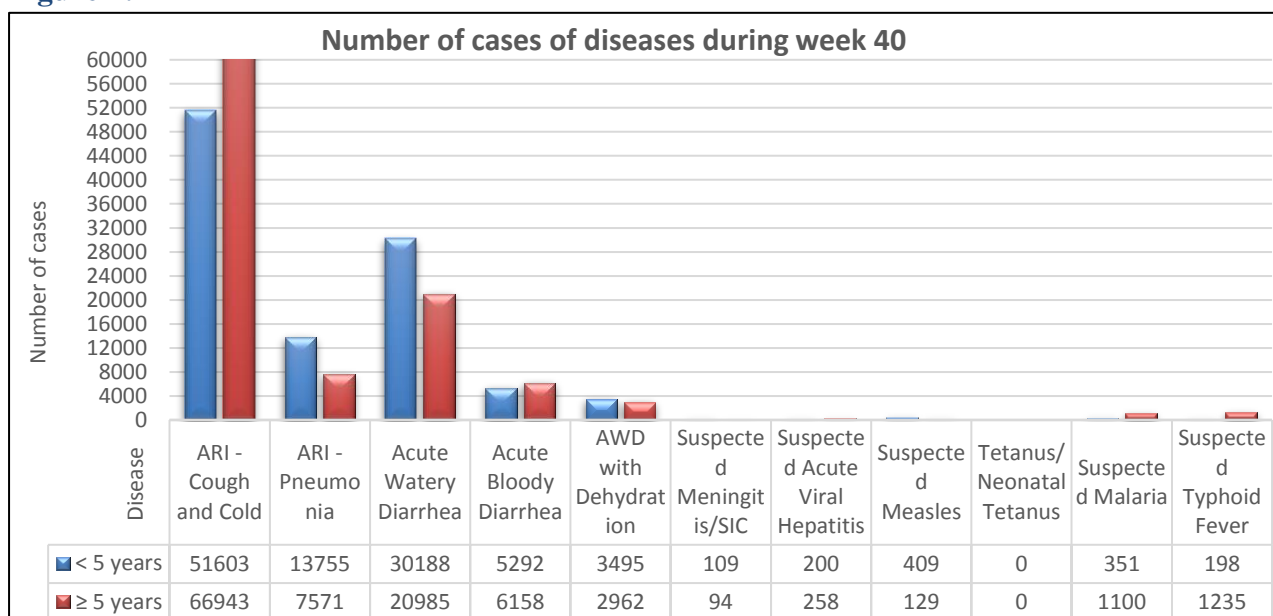
**Indicator - based Surveillance (IBS):**

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**

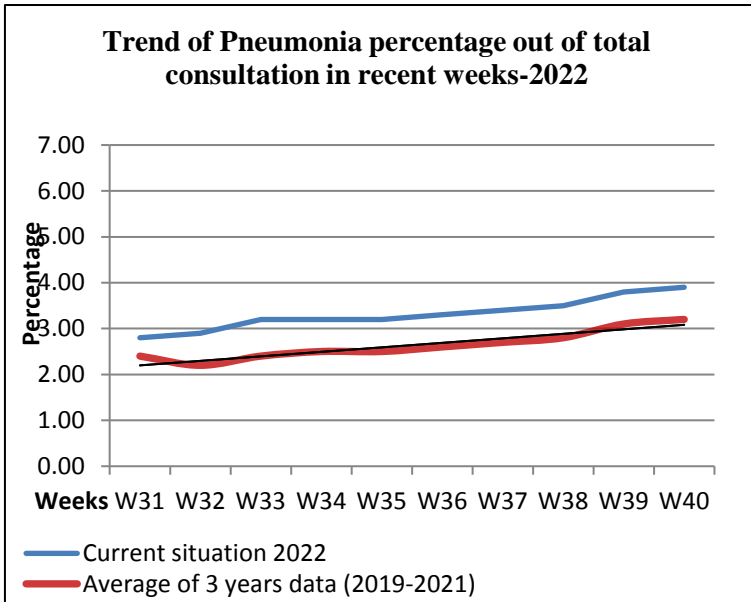


**Table 2: Cases and deaths due to VPDs by age group during week 40<sup>th</sup>, 2022**

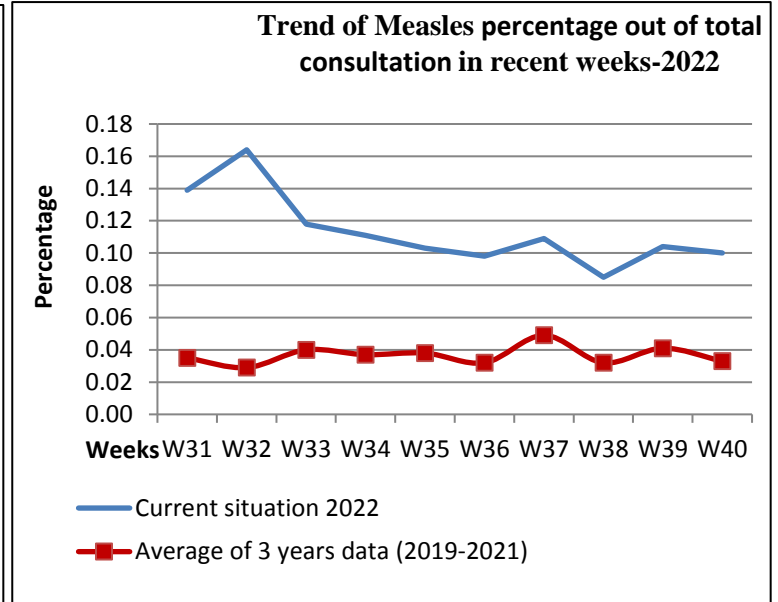
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	409	129	538	2	0	2	0.37

**Seasonal Diseases:**

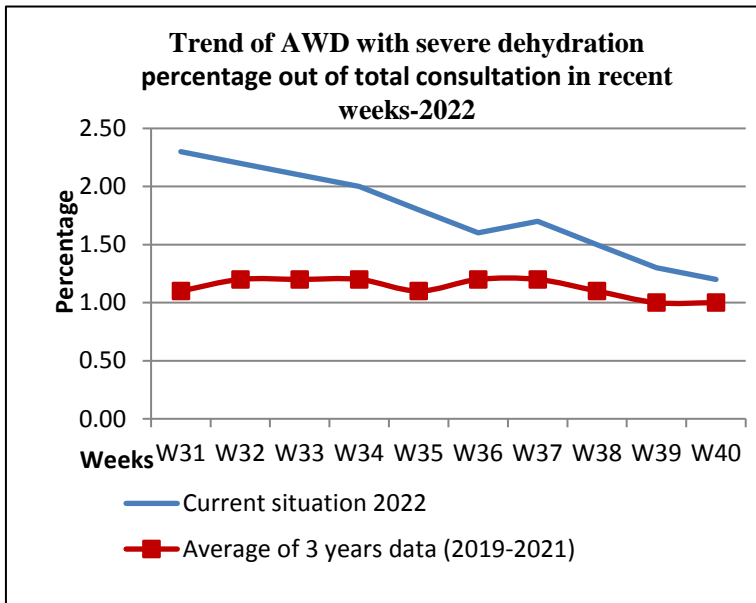
**Figure 3: A**



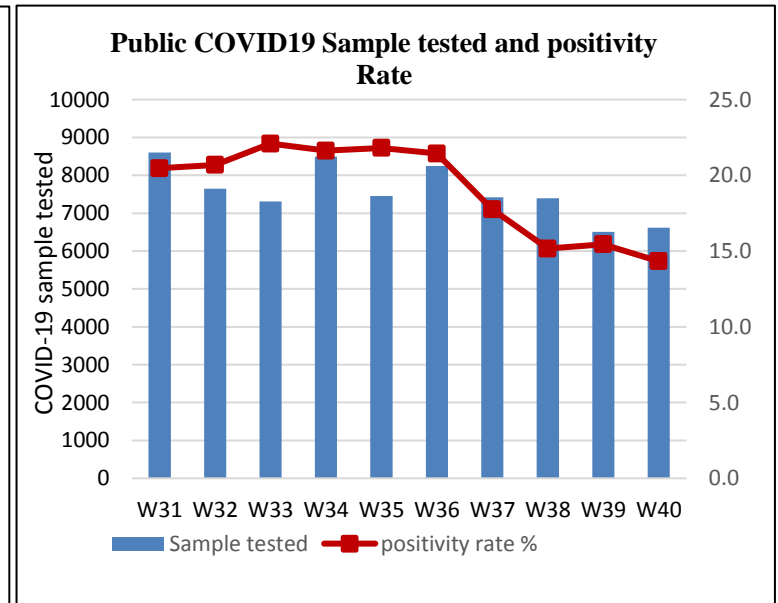
**Figure 3: B**



**Figure 3: C**



**Figure 3: D**



**Table 3: Outbreaks in week 40<sup>th</sup>:**

Suspected CCHF Cases (Kabul, Balkh, Baghlan, Herat, Parwan and Wardak) provinces								
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
02/08/2022	Kabul	District 9	Qasaba	1	0	20Y	Other	During this week <b>10</b> suspected CCHF cases were reported from <b>Kabul, Balkh, Baghlan, Herat, Parwan and Wardak</b> 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.
08/10/2022		Paghman	Koshak	1	0	71Y	Other	
05/10/2022		District 17	Sare Kotal	1	0	45Y	Other	
04/10/2022		District 4	Chamane Babrak	1	0	15Y	Shepherd	
03/10/2022	Balkh	Mazar-i-Sharif	Karti Amani	1	0	35Y	Other	
03/10/2022			Ali Chopan	1	0	60Y	Other	
04/10/2022	Baghlan	Baghlan	Pir Pacha	1	0	18Y	Student	
05/10/2022	Herat	Karukh	Pain Mahala	1	0	31Y	Other	
05/10/2022	Parwan	Jabal Saraj	Kadar Khil	1	0	72Y	Shepherd	
02/10/2022	Wardak	Markaz	Qala-e-Walayati	1	0	15Y	Other	
AWD outbreaks from (Badakhshan, Baghlan, Parwan and Herat) Provinces								
Reported date	Province	District	Village	Total cases	Total deaths	Recommendation/ Action take		
02/10/2022	Badakhshan	Shareibazarg	Delgai	23	0	During this week <b>03</b> AWD outbreaks were reported from <b>Badakhshan, Baghlan, and Parwan</b> Provinces, and also <b>2</b> deaths were reported from <b>Parwan</b> province. 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.		
03/10/2022	Baghlan	Doshi	Zorabi	12	0			
02/10/2022	Parwan	Shikh Ali	Dahane Darwaz	4	2			

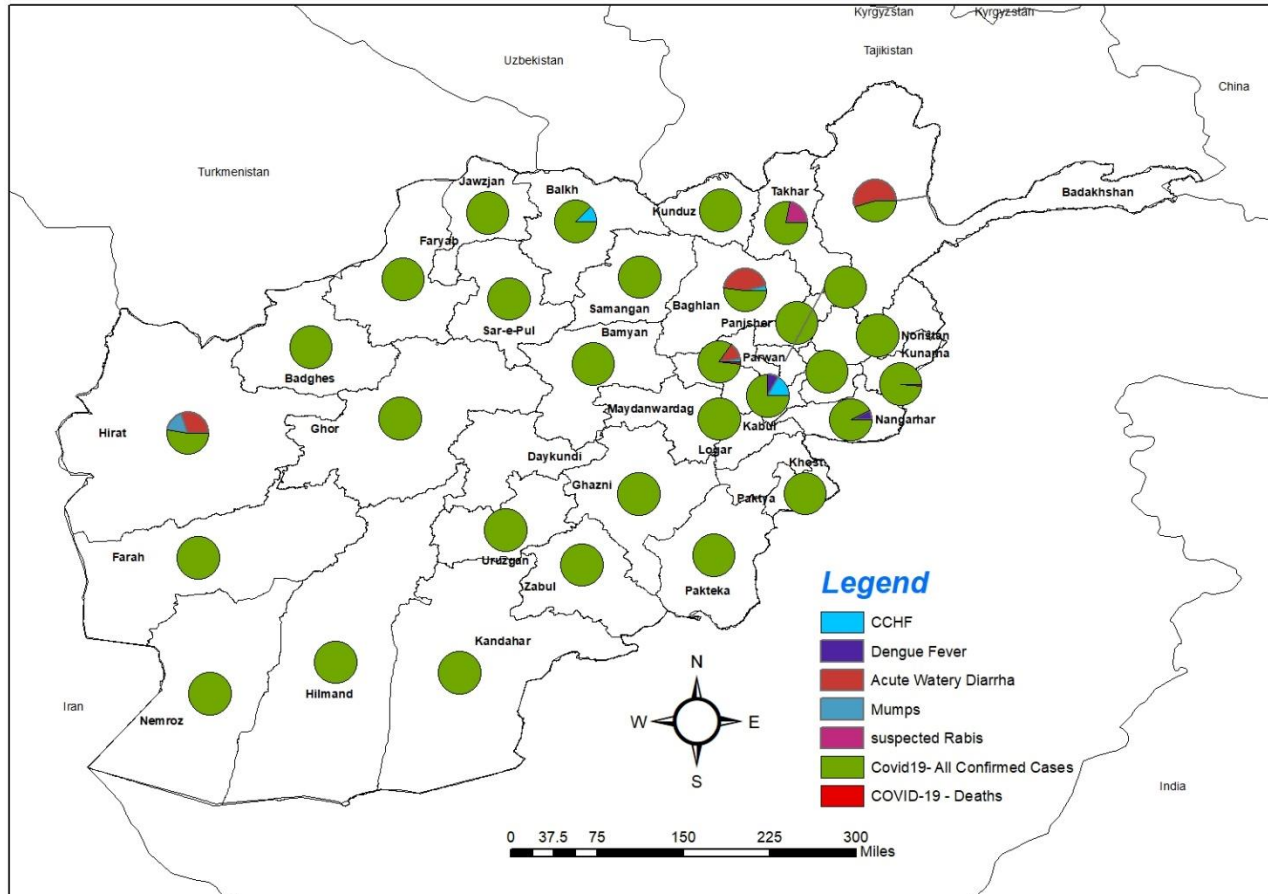
Dengue Fever outbreaks from (Kabul and Nangarhar) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
04/10/2022	Kabul	District 6	District 6	1	0	During this week <b>04</b> Dengue fever outbreaks were reported from <b>Kabul and Nangarhar</b> provinces, case management was done. Health education sessions were conducted for all the cases.
04/10/2022		District 3	Pole Sorkh	1	0	
04/10/2022	Nangarhar	Kama	Mustali	1	0	
04/10/2022		Behsood	11 Canal	7	0	
Suspected Mumps outbreaks from (Herat) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
02/10/2022	Herat	Injil	Nasim abad	14	0	During this week <b>02 Suspected Mumps</b> outbreaks were reported from <b>Herat</b> province, case management was done. Health education sessions were conducted for all the cases.
05/10/2022		City	64 Metra	8	0	
Dog bite/ Suspected Rabies outbreak from (Takhar) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
03/10/2022	Takhar	Rustaq	Chap darah	6	0	During this week <b>01 Dog bite/ Suspected Rabies</b> outbreak was reported from <b>Takhar</b> province, case management was done. Health education sessions were conducted for all the cases.
Suspected chickenpox outbreak from (Herat) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
10/06/2022	Herat	Injil	Azim Abad	40	0	During this week <b>01 suspected chickenpox</b> outbreak was reported from <b>Herat</b> 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 08 October 2022)**

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	247	170	3515	112
CCHF	355	82	356	11
Dog bites/Suspected Rabies	21	1	138	0
Pertussis	31	1	185	10
Acute Watery Diarrhea	72	13	4309	12
Food Poisoning	15	0	356	2
Unknown Poisoning	1	0	5	2
Scabies	8	0	133	0
Chickenpox	27	1	313	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0

Mumps	4	0	44	0
Diphtheria	2	0	2	0
Pneumonia	1	0	25	0
Dengue fever	9	3	11	0
Skin disease	1	0	3	0
Anthrax	3	0	10	1
Confirmed Malaria	5	5	1355	0
COVID-19	1	1	45363	514
<b>Grand Total</b>	<b>807</b>	<b>287</b>	<b>56194</b>	<b>664</b>

**Figure 4: COVID-19, Suspected CCHF, AWD, Dengue Fever, Dog bite/ Suspected Rabies, Suspected chickenpox and Suspected Mumps cases and deaths during the week 40th**



**Laboratory surveillance:**

A total of **7443** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **949** specimens were confirmed for COVID-19, **33** specimens were confirmed for Malaria, **05** specimens were confirmed for Cholera, **03** specimens were confirmed for Measles, **01** specimen was confirmed for Brucellosis (Follow-up by the CPHL is going on).

**Influenza Surveillance activities:**



In Epidemiological week 40<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, 197 (5.9 %) Severe Acute Respiratory Infections cases were reported and 65% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 39<sup>th</sup> 2022. 07 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Bamyan (16.4 %), Kapisa (16.2 %), and Kabul (15%) 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, **7425** specimens were tested for suspected COVID-19. Out of which **949** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 12.8 % in this week, which decreased 1.1% compared to previous week.
- Bed occupancy rate (BOR) at the national level was **45.7%**, which decreased 5.6 % compared to last week.
- Out of **949** confirmed cases, **2043** contacts of **687** 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 **42768** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

### Challenges:

- Weak preparedness for the outbreak investigation and response in the provincial level
- AWD outbreaks and diarrheal diseases cases are still a public health problem, in this week we had 03 AWD outbreaks with 05 deaths due to AWD with dehydration.
- Suspected Measles cases, in this week **538** suspected measles cases and 02 deaths due to Measles were reported.

### Recommendations:

- Strong RRT team should be established in the provincial level to timely and properly investigate and respond the diseases outbreaks
- Strong preventive and control measures are needed for the control of AWD cases and outbreaks 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 **538** suspected Measles cases with 02 deaths 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.