

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 28

Date: 10-16 /07/2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 502 (96.7%) have submitted reports this week.
- A total of 408,019 new consultations, 162,576 (39.8%) were due to Surveillance targeted diseases. That included 85,355 males (52.5%) and 77,221 females (47.5%). Also, 78,439 (48.2%) under five years old and 84,137 (51.8%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 67,599 cases (16.6%) out of total new consultations, Acute Diarrheal Diseases 76,607 cases (18.8%) out of total new consultations, and Pneumonia, 12,683 cases (3.1%) out of total new consultations.
- A total of 266 deaths were reported this week, of which 51 deaths (19.2%) were due to Surveillance targeted diseases deaths, which include 30 Pneumonia deaths, 06 Acute Watery Diarrhea (AWD) deaths, 04 COVID-19 Deaths, 03 Suspected Measles deaths, 03 Suspected Acute Viral Hepatitis deaths, 02 Suspected Meningitis/ Severely Ill Child deaths, 02 Suspected Hemorrhagic Fever deaths and 01 Acute Bloody Diarrhea death.
- A total of **1,088** Measles suspected cases with 03 deaths were reported in this week.
- In addition, during this week 29 outbreaks (19 **suspected CCHF** cases were reported from Kabul, Jawzjan, Bamyan, Ghazni, Badghis, Takhar and Herat provinces, 08 **AWD** outbreaks were reported from Kapisa, Kandahar, Ghazni, Faryab, Khost and Nangarhar Provinces, 01 **Suspected Pertussis** outbreak was reported from Kapisa province and 01 **Chickenpox** outbreak was reported from Baghlan province.
- Moreover, 352 COVID-19 confirmed cases were reported at the national level.

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

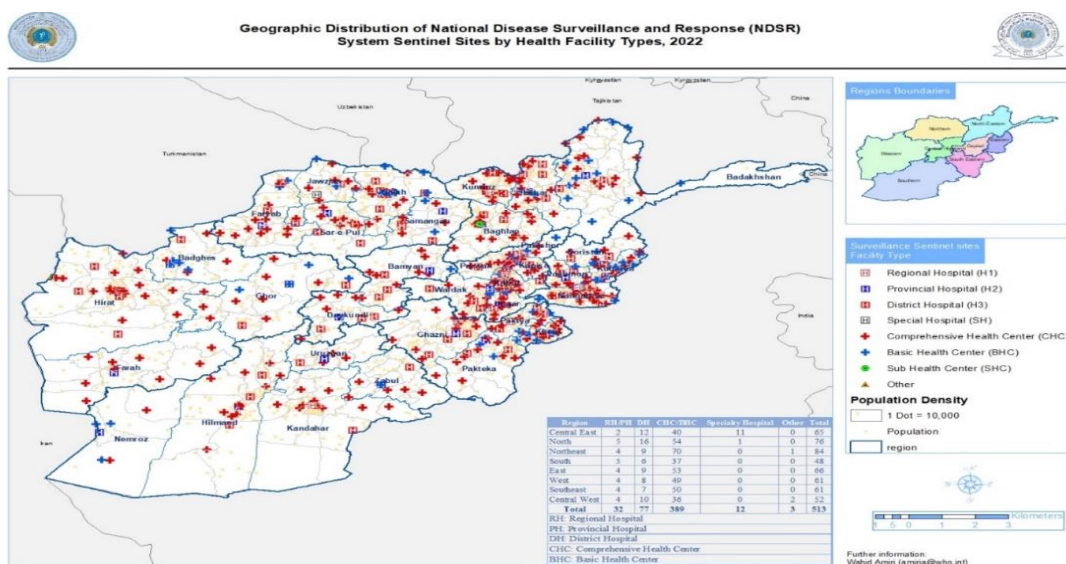


Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ Special Hospital	SHC	Other	Total
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

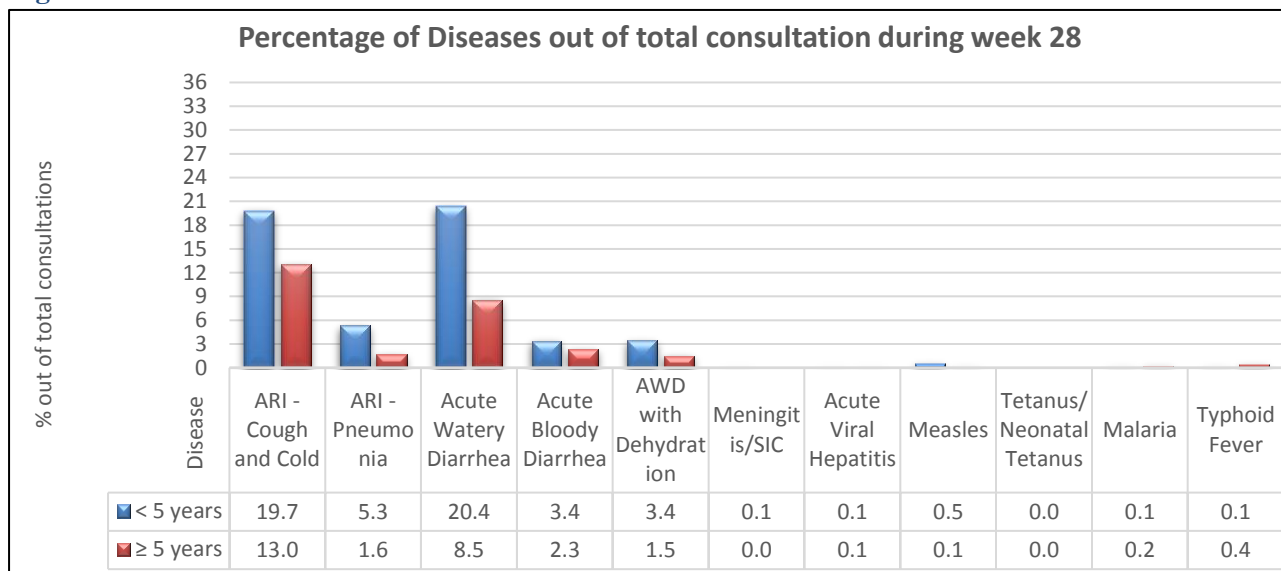


Figure 2: B

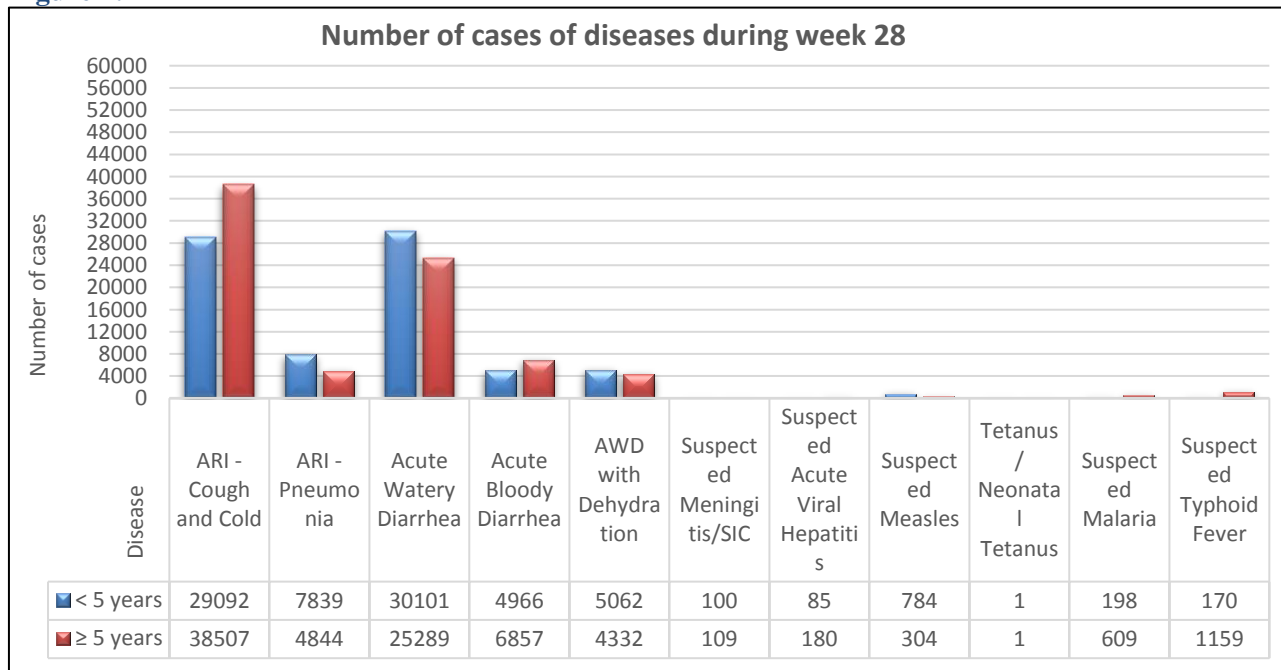


Table 2: Cases and deaths due to VPDs by age group during week 28th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	784	304	1088	3	0	3	0.28

Seasonal Diseases:

Figure 3: A

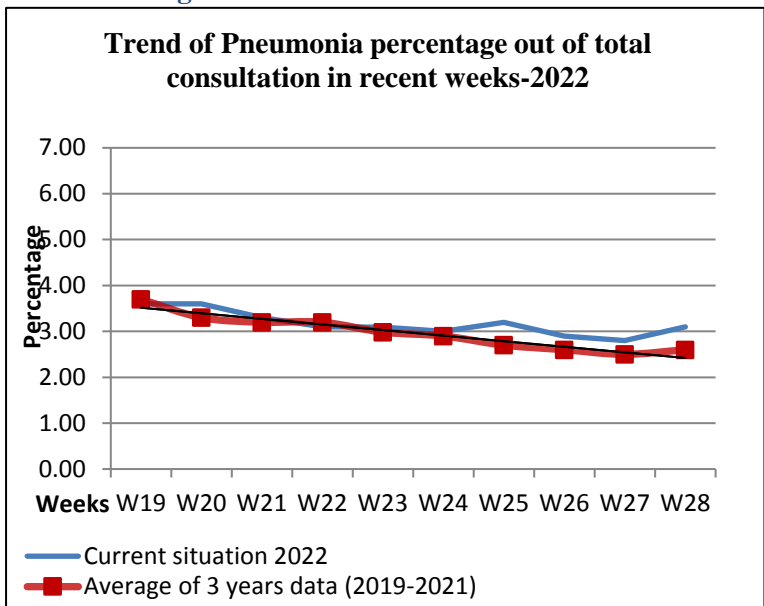


Figure 3: B

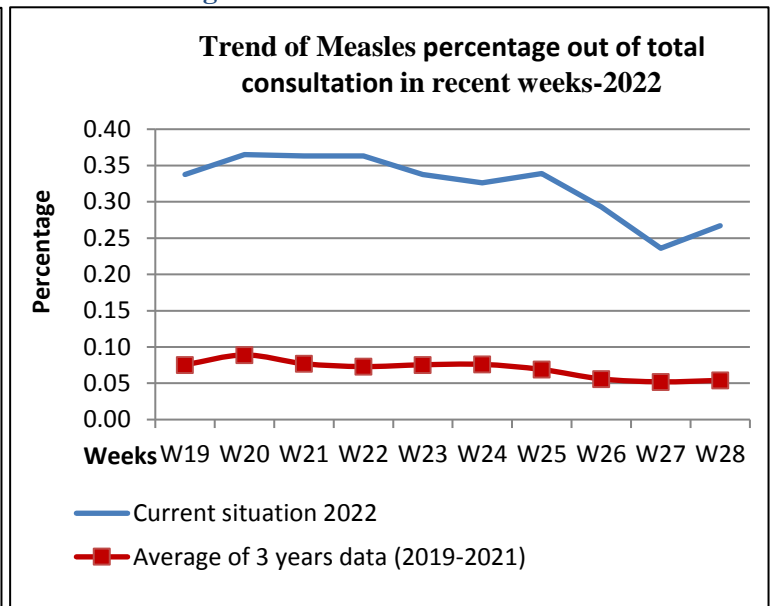


Figure 3: C

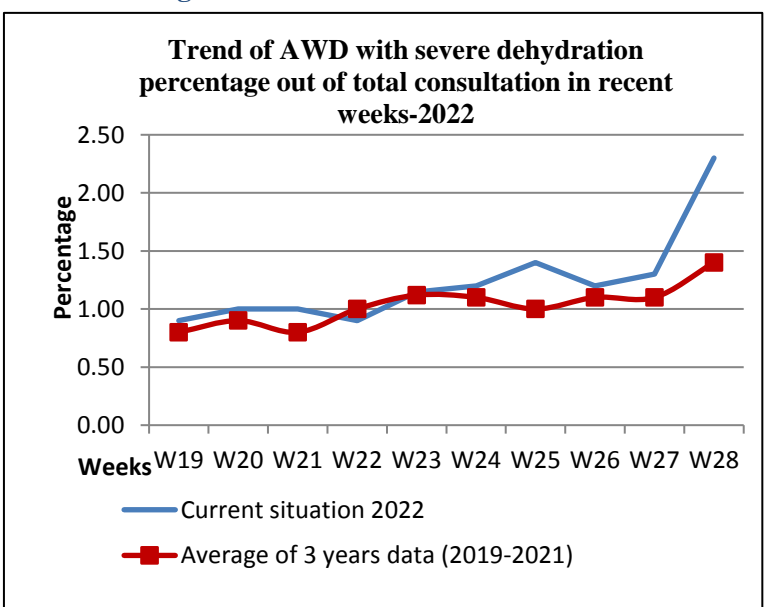


Figure 3: D

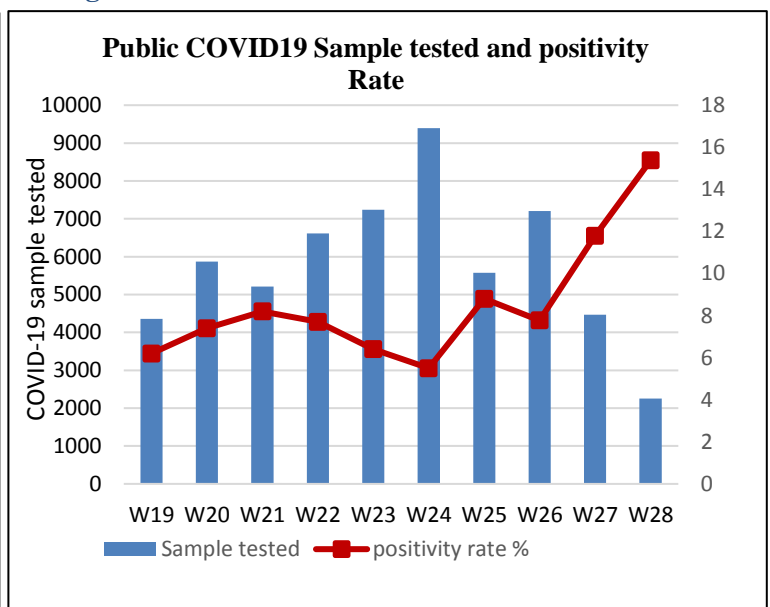


Table 3: Outbreaks in week 28th:

Suspected CCHF Cases (Kabul, Jawzjan, Bamyān, Ghazni, Badghis, Takhar and Herat provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
14/07/2022	Kabul	District 8	Shah Shaheed	1	0	31Y	Butcher	<p>During this week 19 suspected CCHF cases were reported from Kabul, Jawzjan, Bamyān, Ghazni, Badghis, Takhar, and Herat provinces.</p> <p>Also, 01 death was reported form Takhar province.</p> <p>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.</p>
14/07/2022		Markaz	Markaz	1	0	35Y	Butcher	
14/07/2022		District 7	Wasil Abad	1	0	45Y	Other	
14/07/2022		Imam Sahib	Markaz	1	0	35Y	Shepherd	
14/07/2022		District 5	Qala E Wazir	1	0	25Y	Butcher	
14/07/2022		District 2	Karte Parwan	1	0	25Y	Housewife	
14/07/2022		District 8	karte Naw	1	0	22Y	Housewife	
14/07/2022		District 17	Khair Khana	1	0	19y	Butcher	
14/07/2022		District 11	500 Family	1	0	28Y	Butcher	
14/07/2022		District 17	Khair Khana	1	0	21Y	Other	
14/07/2022	Jawzjan	Aqcha	Komak Mansoor	1	0	25Y	Shepherd	
14/07/2022	Bamyān	Yakawlang	Saiah Dara	1	0	60Y	Shepherd	
14/07/2022	Ghazni	Andar	Khalq	1	0	20Y	Shepherd	
12/07/2022	Herat	Area 10	Dabe Qandahar	1	0	20Y	Housewife	
14/07/2022		Injil	Asad beek	1	0	16Y	Student	
13/07/2022		Area 5	Farashan	1	0	40Y	Shepherd	
14/07/2022		Injil	kababyan	1	0	22Y	Butcher	
15/07/2022	Takhar	Taleqa	Mughal qushlaq Badamdarah	1	1	30Y	Butcher	
14/07/2022	Badghis	Jawand	Panch pos	1	0	60Y	Farmer	

Clinical Chickenpox outbreak from (Bamyan province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
10/07/2022	Bamyan	Yakawlang	Ligan	12	0	During this week 01 Chickenpox outbreak was reported from Bamyan provinces. Case management was done for all the cases and health education session was conducted in the filed.

Suspected Pertussis Outbreak from (Kapisa province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
12/07/2022	Kapisa	Nejrab	Qalacha	7	0	During this week 01 Suspected Pertussis outbreak was reported from Kapisa provinces. Case management was done, health education sessions were conducted for all the cases.

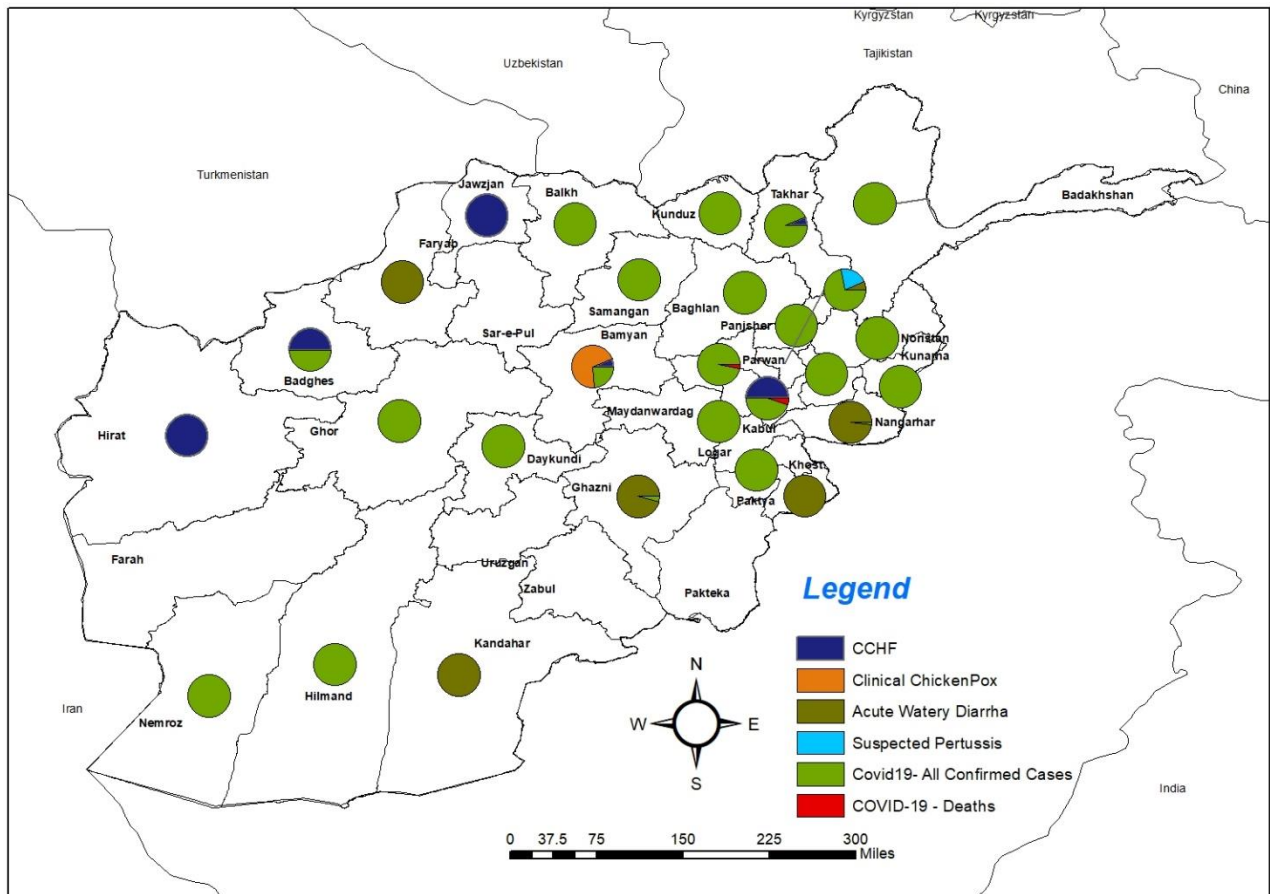
AWD outbreaks from (Kapisa, Kandahar, Ghazni, Faryab, Khost and Nangarhar) Provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
15/07/2022	Kapisa	Kohband	Soorkh	1	0	During this week 08 AWD outbreaks were reported from Kapisa, Kandahar, Ghazni, Faryab, Khost and Nangarhar Provinces.
16/07/2022		Kuban	Torbat	1	0	
11/07/2022	Kandahar	Shah wali kot	Hajano /gori	236	0	Case management was done, and health education sessions were conducted for all the cases.
13/07/2022	Ghazni	Giroo	Mota khan	184	0	
13/07/2022	Faryab	Pashtonkot	Zarshoy	40	0	More updates were shared through follow up and final investigation reports.
13/07/2022	Khost	Spira	Kani	11	0	
11/07/2022	Nangarhar	Agam	Girikhil	223	0	
14/07/2022		Achin and Ghanikhil	Shadal, Pekhe Khuar, and defferent area of Ghanikhil	58	0	

Table 4: Updated outbreaks report during 2022 (26 Dec 2021 to 16, July 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	235	152	3341	101
CCHF	153	47	155	6
Dog bites/Suspected Rabies	13	0	72	0
Pertussis	22	0	115	0
Acute Watery Diarrhea	25	11	1404	0
Food poisoning	9	0	277	2
Scabies	10	0	146	0
Chickenpox	15	0	120	0
Leishmaniasis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	1	0	9	0
Diphtheria	1	0	1	0
Pneumonia	1	0	25	0
Dengue fever	1	0	4	0
COVID-19	1	1	28574	454
Grand Total	491	211	34314	563

Figure 4: Distributions of COVID-19, CCHF, Acute Watery Diarrhea, Suspected Pertussis, and Chickenpox, cases and deaths during the week 28th



Laboratory surveillance:

A total of **3,838** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **352** specimens were confirmed for COVID-19, **54** specimens were confirmed for Measles, **13** specimens were confirmed for Malaria, **08** specimens were confirmed for Diarrheal Disease, **01** specimen was confirmed for Brucellosis in this week. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 28th 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, 134 (4.8%) Severe Acute Respiratory Infections cases were reported and 76% were under 5 years old. The proportion of SARI cases was slightly increased compared to week 27th 2022. Nine 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 (18.7%), Kabul (18%), and Baghlan (12%). In this epi-week, our field staff shipped 21 SARI and 16 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **3,186** specimens were tested for suspected COVID-19. Out of which **352** 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 **31.6%** compared to last week.
- Bed occupancy rate (BOR) at the national level was **46.7%**, which decreased 8% compared to last week.
- Out of **942** contacts of **205** 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 **24,275** passengers have been screened for COVID-19 in the points of entry of four provinces (Balkh, Kandahar, Nangarhar and Nimroz).

Challenges:

- AWD outbreaks and Diarrheal diseases cases are in the increasing trend at national level, in this week we had AWD outbreaks in 16 provinces of the country (Balkh, Faryab, Jozjan, Samangan, Kapisa, Kabul, Parwan, Wardak, Nangarhar, Laghman, Paktika, Kunar, Kandahar, Nimroz, Helmand and Zabul)
- Suspected CCHF cases are in the increasing trend in this week 19 CCHF cases were reported, only 10 cases were reported from Kabul province.
- Suspected Measles cases and outbreaks are in the increasing trend compared to previous years (in this week **1,088** measles cases and 3 deaths were reported).
- Shortage of lab samples collection kits/consumables for AWD/suspected cholera in majority of the provinces.

Recommendations:

- Strong efforts and control measures are needed for the control of AWD increasing cases at the national level especially in (Balkh, Faryab, Jozjan, Samangan, Kapisa, Kabul, Parwan, Wardak, Nangarhar, Laghman, Paktika, Kunar, Kandahar, Nimroz, Helmand and Zabul) provinces
- Preventive and control measure should be strengthened for CCHF cases, especially in Kabul province as we had more CCHF cases from Kabul in this week, also BPHS and EBHS implementer NGOs are kindly requested to strengthen the health education sessions regarding CCHF in their related HFs.

- Measles vaccination campaigns are needed to conduct based on the surveillance data, moreover the routine vaccination coverage is also needed to improve.
- Urgent supply of lab sample collection and testing kits for AWD is recommended for all the provinces and lab sample collection capacity needs to be strengthened and expanded to all the districts and surveillance sentinel sites.
 - **EPI:** As the surveillance system detected **1,088** suspected Measles cases, with **3** 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.