

National Disease Surveillance & Response (NDSR)

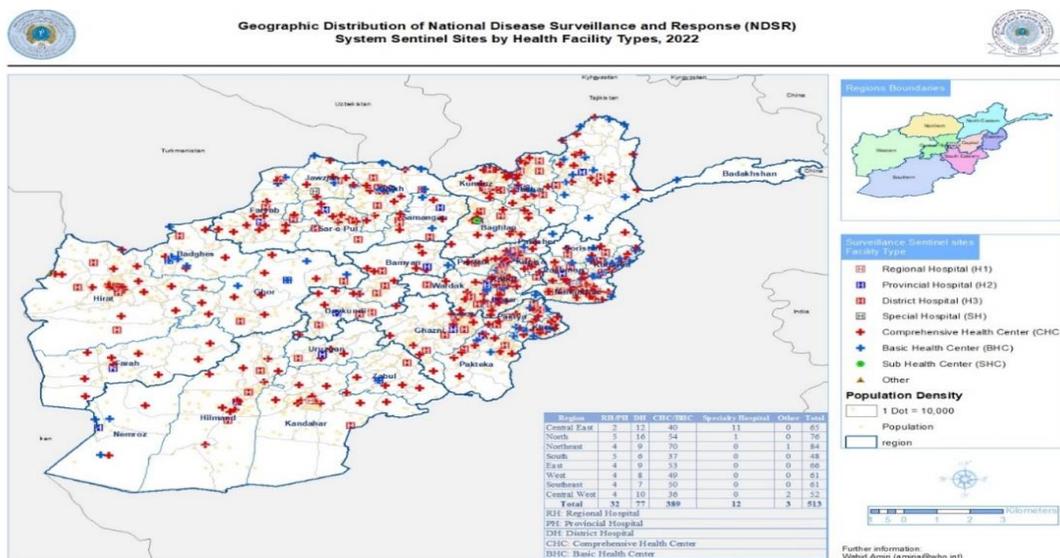
NDSR Weekly Epidemiological Report 27

Date: 03-09//07/2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 451 (86.9%) have submitted reports this week.
- A total of 443,920 new consultations, 170,469 (38.4%) were due to Surveillance targeted diseases. That included 90,251 males (52.9%) and 80,218 females (47.1%). Also, 83,216 (48.8%) under five years old and 87,253 (51.2%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 77,251 cases (17.4%) out of total new consultations, Acute Diarrheal Diseases 74,719 cases (16.8%) out of total new consultations, and Pneumonia, 12,338 cases (2.8%) out of total new consultations.
- A total of 181 deaths were reported this week, of which 36 deaths (20%) were due to Surveillance targeted diseases deaths, which include 26 Pneumonia deaths, 04 Suspected Measles deaths, 04 COVID-19 Deaths, 01 Acute Watery Diarrhea (AWD) with Dehydration death and 01 Suspected Meningitis/ Severely Ill Child death.
- A total of **1,064** Measles suspected cases with 04 deaths were reported in this week.
- In addition, during this week 30 outbreaks (19 **suspected CCHF** cases were reported from Jawzjan, Kunduz, Nangarhar, Herat, Badghis, Kabul, Bamyan, Wardak and Parwan provinces, 06 **AWD** outbreak were reported from Zabul, Helmand, Kunar, Laghman and Samangan Provinces, 02 **suspected Measles** outbreaks were reported from Kapisa and Takhar provinces, 02 **Suspected Pertussis** outbreaks were reported from Zabul and Kapisa provinces and 01 **Chickenpox** outbreak was reported from Baghlan province.
- Moreover, 531 COVID-19 confirmed cases were reported at the national level.

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



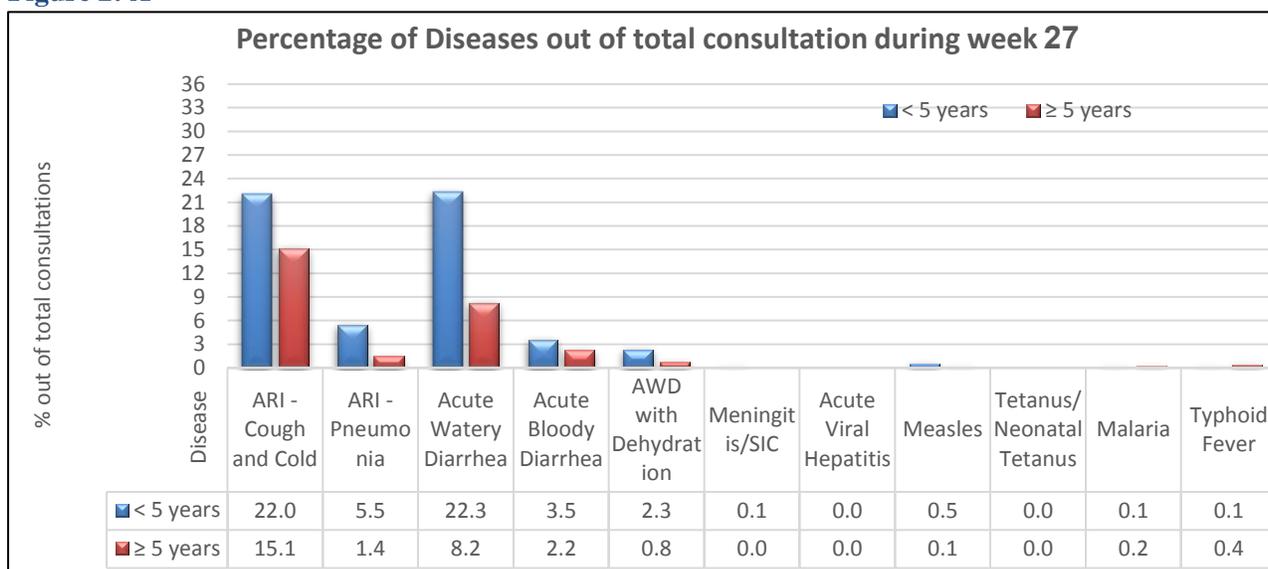
**Table 1: Coverage of NDSR Surveillance System**

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

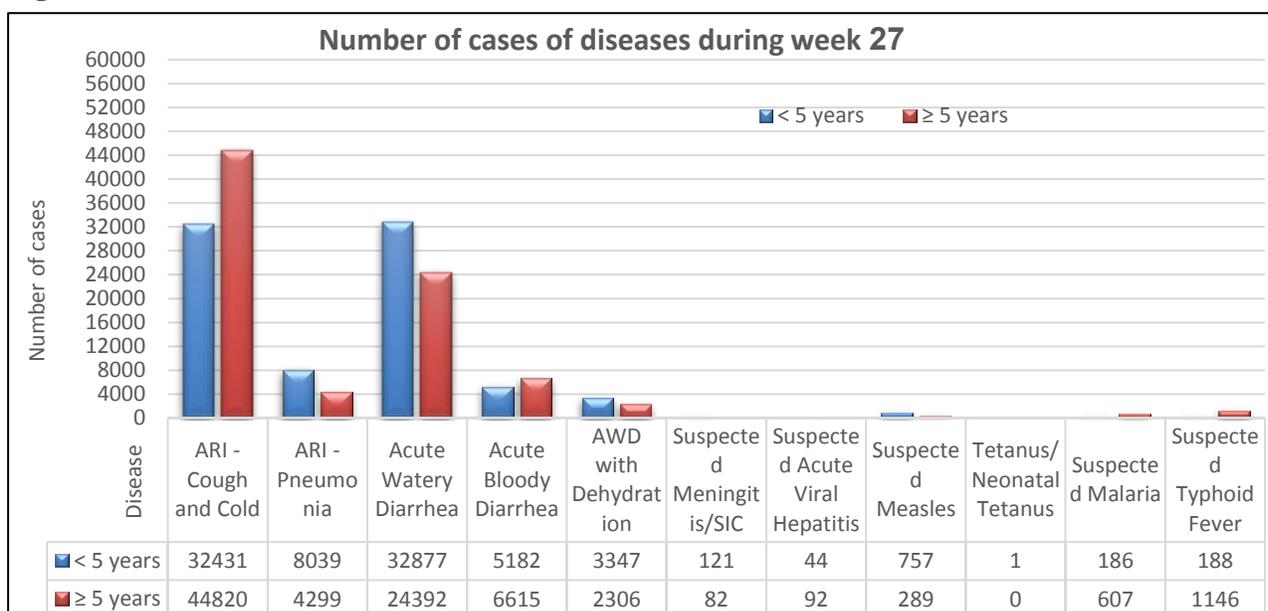
**Indicator - based Surveillance (IBS):**

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**

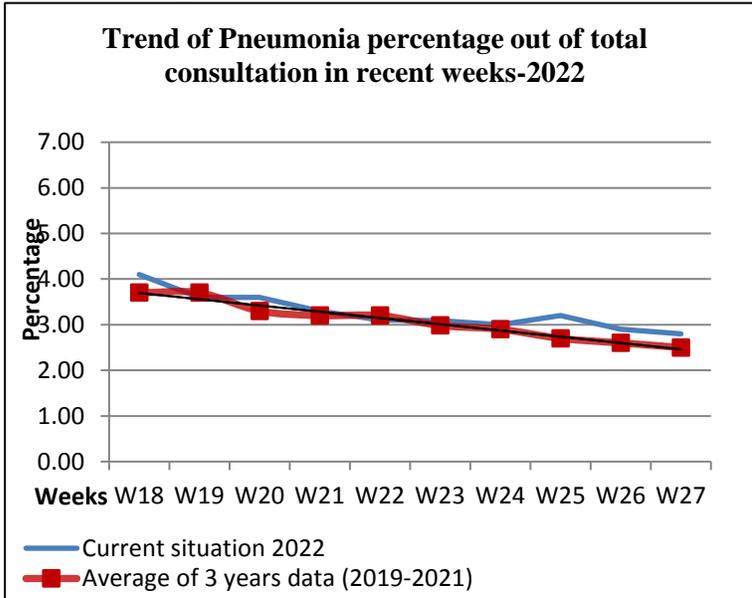


**Table 2: Cases and deaths due to VPDs by age group during week 27<sup>th</sup>, 2022**

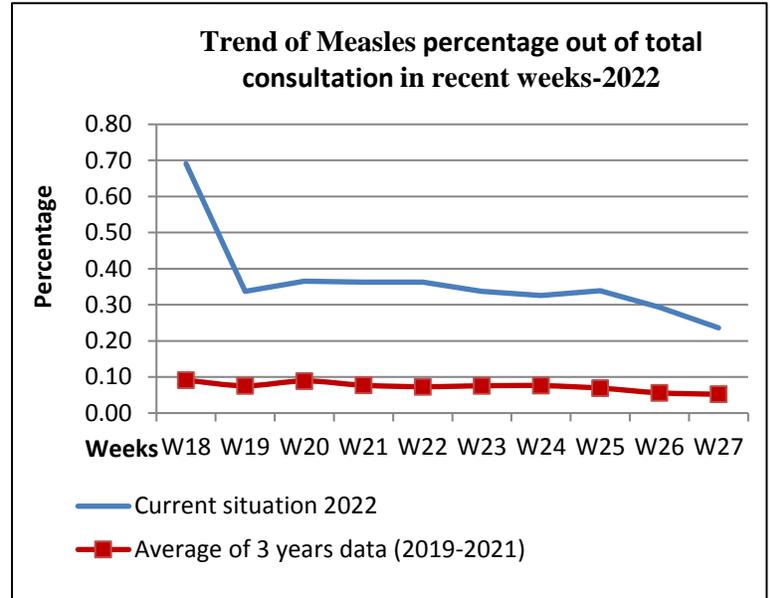
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	757	289	1046	4	0	4	0.38

**Seasonal Diseases:**

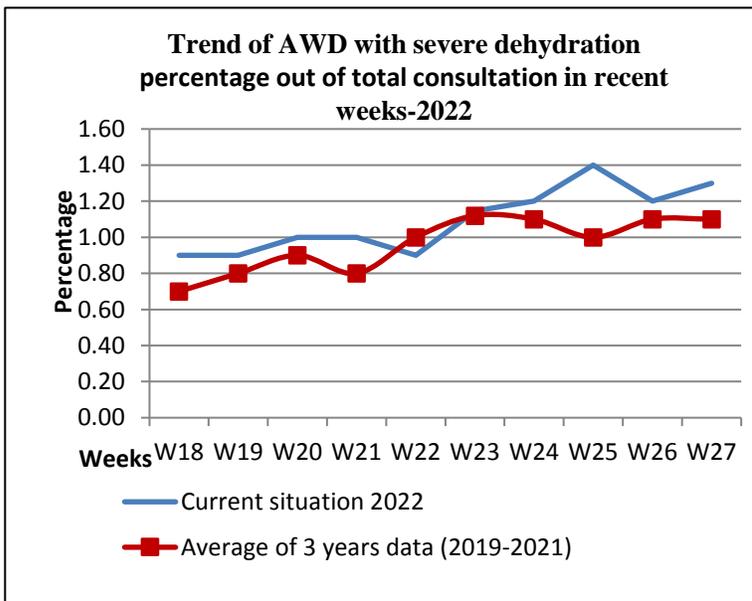
**Figure 3: A**



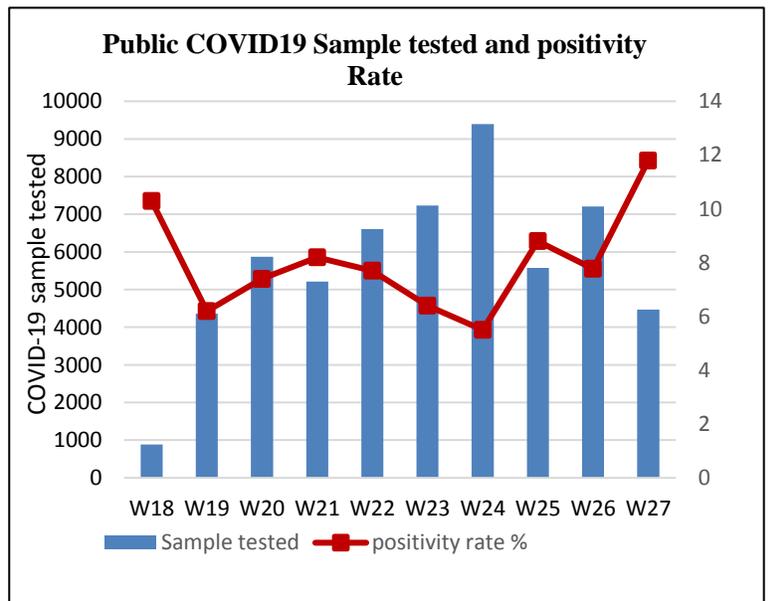
**Figure 3: B**



**Figure 3: C**



**Figure 3: D**



**Table 3: Outbreaks in week 27<sup>th</sup>:**

<b>Suspected Measles outbreaks ( Kapisa and Takhar provinces)</b>										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
05/07/2022	Kapisa	Nejrab	Ebrhimkhi I	0	6	6	0	80%	60%	In this week, 02 suspected Measles outbreaks were reported from Kapisa and Takhar provinces. The outbreaks were investigated, case management was done for all the 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.
03/07/2022	Takhar	Baharak	Shash tepa	4	8	12	0	NA	NA	

<b>Suspected CCHF Cases ( Jawzjan, Kunduz, Nangarhar, Herat, Badghis, Herat, Kabul, Bamyán, Nangarhar, Wardak and Parwan Provinces)</b>										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken		
6/07/2022	Jawzjan	Sheberghan	Faizabad	1	0	35y	Other	During this week 19 suspected CCHF cases were reported from Jawzjan, Kunduz, Nangarhar, Herat, Badghis, Kabul, Bamyán, Wardak and Parwan provinces. Case management were 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 the preventive and control measures.		
04/07/2022	Kunduz	Kunduz	Naw Abad	1	0	70Y	Farmer			
04/07/2022	Nangarhar	Achin	Bagh	1	0	28Y	Butcher			
05/07/2022	Herat	Area 6	Jakan	1	0	33	Butcher			
06/07/2022	Badghis	Sangi Atash	Absharak	1	0	30Y	Other			
06/07/2022	Herat	Area 14	Ab borda	1	0	40	Shepherd			
07/03/2022	Kabul	District 9	Paktia Koot	1	0	14	Other			
07/03/2022	Kabul	District 16	Qala E Zaman Khan	1	0	25	Housewife			
07/03/2022	Bamyán	Bamyán	Bamyán	1	0	33	Housewife			

07/03/2022	Nangrahar	Behsud	Behsud	1	0	48	Other
07/03/2022	Jowzjan	Aqcha	Aqcha	1	0	70	Other
07/03/2022	Kabul	District 12	Arzan Qemat	1	0	70	Other
07/03/2022	Wardak	Bahsud	Bahli Afghan	1	0	18	Other
07/03/2022	Kabul	Khake Jabar	Khurd Kabul	1	0	47	Butcher
07/03/2022	Kabul	Paghman	Arghandi	1	0	28	Other
07/03/2022	Kabul	Kabul	Chardhi	1	0	28	Butcher
07/05/2022	Parwan	Center	Markaz	1	0	23Y	Butcher
07/05/2022	Kabul	Baraki	Baraki Jan	1	0	23Y	Butcher
07/05/2022	Kabul	District 5	Company	1	0	45Y	Butcher

10

#### Clinical Chickenpox outbreaks from (Baghlan province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
03/07/2022	Baghlan	Nahreen	Transport Three street	7	0	During this week 01 Chickenpox outbreak was reported from Baghlan provinces. Case management was done, health education session was conducted for the cases.

#### Suspected Pertussis Outbreaks from (Kapisa province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
04/07/2022	Kapisa	Nejrab	Ebrhimkhil	5	0	During this week 02 Suspected Pertussis outbreaks were reported from Kapisa provinces. Case management was done, health education sessions were conducted for all the cases.
06/07/2022		Alasay	Alaqadari	3	0	

**AWD outbreak from ( Zabul, Helmand, Kunar, Laghman and Samangan Provinces )**

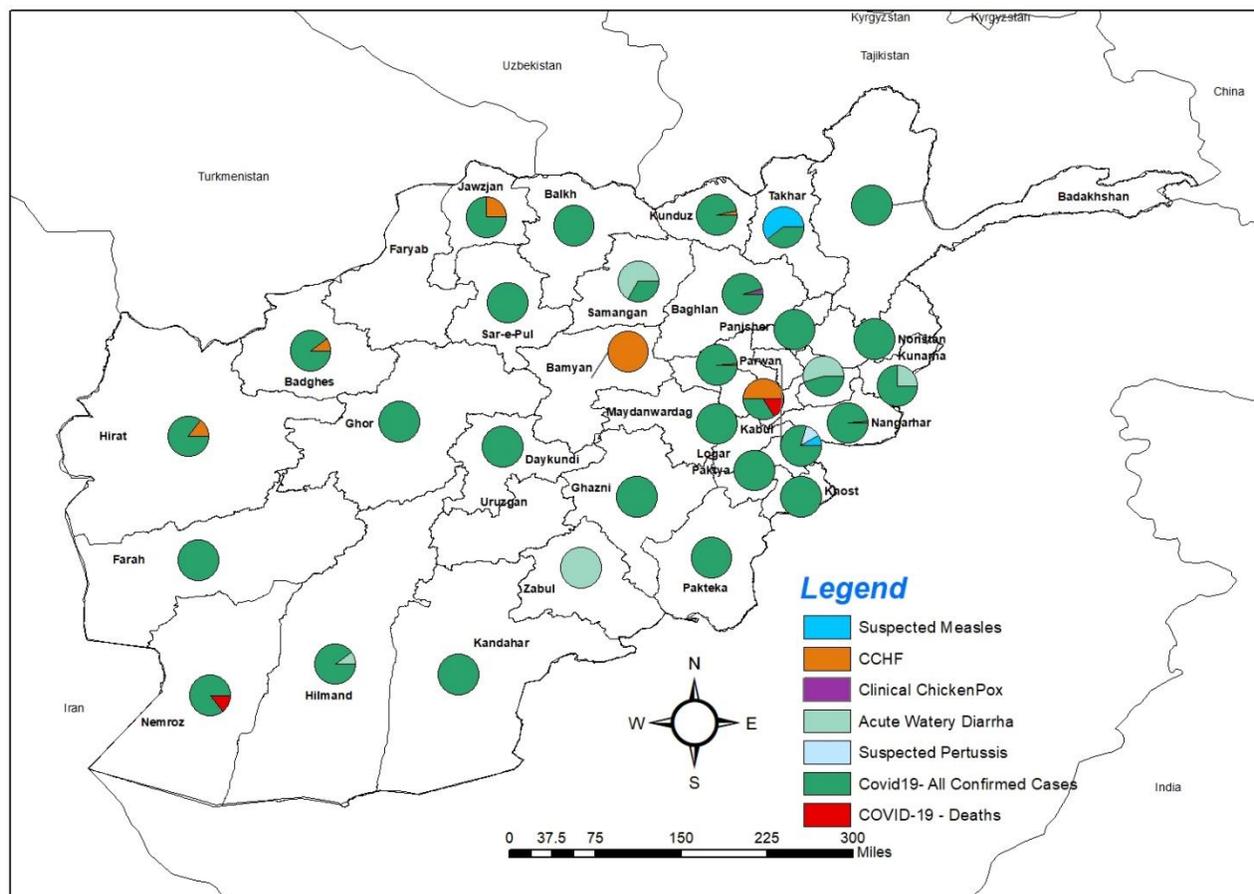
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
05/07/2022	Zabul	Shennkay	Fatih ala khil	5	0	During this week 06 AWD outbreaks were reported from Zabul, Helmand, Samangan, Kunar and Laghman Provinces. Case management was done, and health education sessions were conducted for all the cases. More updates will be shared through follow up and final investigation report.
08/07/2022		Daychopann	Sadiq	3	0	
09/07/2022	Helmand	Baghran	Gari	3	0	
03/07/2022	Kunar	Dangam	Loi Goraigan	1	0	
07/06/2022	Laghman	ALishang	Mia Saib Akhundzadagan	19	0	
07/07/2022	Samangan	Aybak city	Gaza Mullah Qurban	16	0	

**Table 4: Updated outbreaks report during 2022 (26 Dec 2021 to 9, July 2022)**

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	234	123	3341	101
CCHF	134	8	136	6
Dog bites/Suspected Rabies	13	0	72	0
Pertussis	21	0	108	0
Acute Watery Diarrhea	17	3	650	0
Food poisoning	9	0	277	2
Scabies	10	0	146	0
Chickenpox	14	0	108	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	
COVID-19	1	1	28222	450

Grand Total	461	135	33213	559
-------------	-----	-----	-------	-----

**Figure 4: Distributions of COVID-19, CCHF, suspected Measles, Acute Watery Diarrhea, Suspected Pertussis, AWD with dehydration and Chickenpox, cases and deaths during week 27<sup>th</sup>**



**Laboratory surveillance:**

A total of 5,816 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 531 specimens were confirmed for COVID-19, 23 specimens were confirmed for Measles, 14 specimen were confirmed for Malaria and 01 specimen was confirmed for Brucellosis in this week. (Follow up by the CPHL is going on).

**Influenza Surveillance activities:**

In Epidemiological week 27<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, 133 (4.6%) Severe Acute Respiratory Infections cases were reported and 71% were under 5 years old. The proportion of SARI cases was slightly increased compared to week 26<sup>th</sup> 2022. Six SARI-associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (16%), Kapisa (13%), and Bamyan (11%). 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, **8,143** specimens were tested for suspected COVID-19. Out of which **531** 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 **6.2%** compared to last week.
- Bed occupancy rate (BOR) at the national level was **54.6%**, which decreased 9.6% compared to last week.
- Out of **1,258** contacts of **327** 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 **52,283** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Hirat, 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 11 provinces of the country (Balkh, Faryab, Juzjan, Samangan, Nangarhar, Laghman, Paktika, Kandahr, Helmand and Khost).
- Suspected CCHF cases are in the increasing trend (also more CCHF cases are expected in the coming weeks due to Eid Al Adha Sacrifices (Slaughter of Animals)).
- Suspected Measles cases and outbreaks are in the increasing trend compared to previous years (in this week **1,064** measles cases and 4 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, Juzjan, Samangan, Nangarhar, Laghman, Paktika, Kandahr, Helmand and Khost) provinces.
- As we will have more CCHF cases after Eid Al Adha, therefore the related programs are requested to strengthen the awareness and preventive measures for CCHF in all the provinces, 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 **1,064** suspected Measles cases, with **4** 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.