

Summary:

- Out of **613** functional Surveillance sentinel sites, **592 (96.6 %)** have submitted reports this week.
- A total of **614,099** new consultations, **248,322 (40.4%)** were due to Surveillance targeted diseases. That included **132,358 (53.3%)** males and **115,964 (46.7%)** females. Also, **117,845 (47.5%)** under five years old and **130,477 (52.5%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **162,594 (26.5%)** cases out of total new consultations, Acute Diarrheal Diseases **45,214 (7.4%)** cases out of total new consultations, and Pneumonia **33,899 (5.3%)** cases out of total new consultations.
- A total of **225** deaths were reported this week, of which **53 (23.6%)** deaths were due to Surveillance targeted diseases, which include **35** Pneumonia deaths, **01** COVID-19 death, **06** Acute Watery Diarrhea (AWD) with Dehydration deaths, **03** Suspected Meningitis/ Severely Ill Child deaths, **04** Suspected Measles deaths, **02** Suspected Typhoid Fever deaths, **01** Suspected Acute Viral Hepatitis death and **01** Tetanus/ Neonatal tetanus death.
- In addition, during this week **14 outbreaks** were reported (**06 Suspected Measles** outbreaks were reported from Kapisa, Kunar, Nangarhar, Nimroz, Urozgan and Zabul provinces, **04 Suspected CCHF** outbreaks were reported from Kapisa, Helmand and Takhar, **02 Suspected Chickenpox** outbreaks were reported from Paktya and Takhar Provinces, **01 Suspected Pertussis** outbreak was reported from Urozgan Province and **01 Suspected Mumps** outbreak was reported from Kabul Province.
- Moreover, **474** COVID-19 confirmed cases and **731** suspected Measles cases at the national level and 55 Dengue fever cases reported from Laghman, Nangerhar, Kandaha and Balkh Provinces.

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

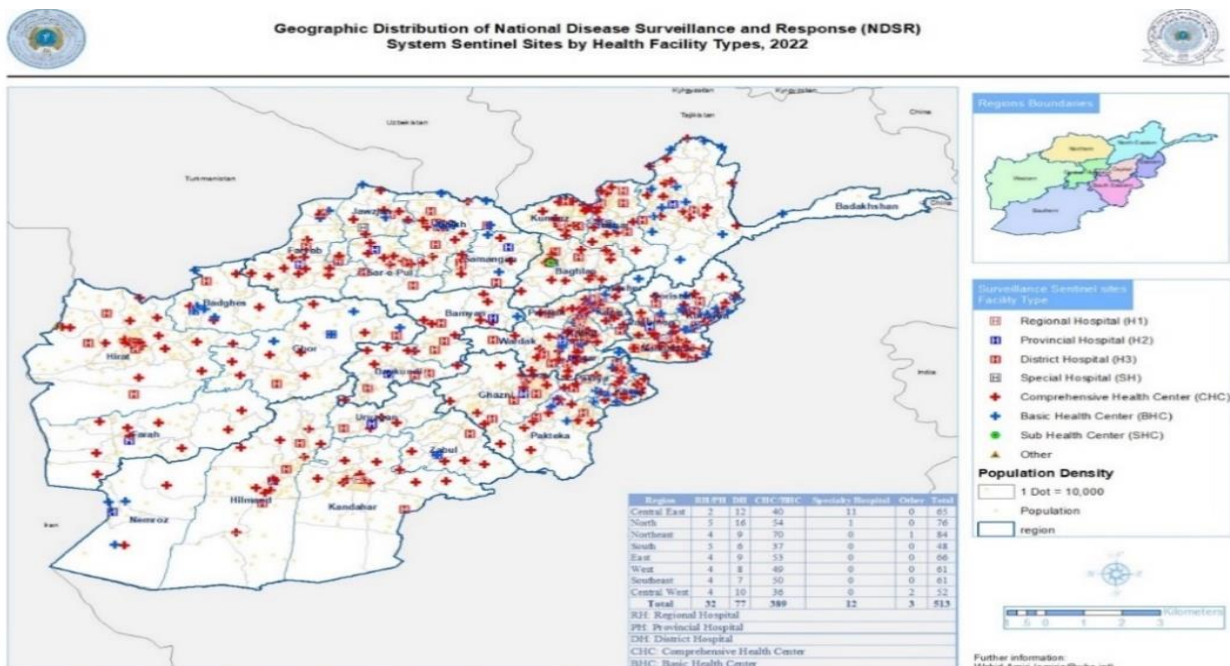


Table 1: Coverage of NDSR Surveillance System

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	8	26	90	348	111	17	10	3	613

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

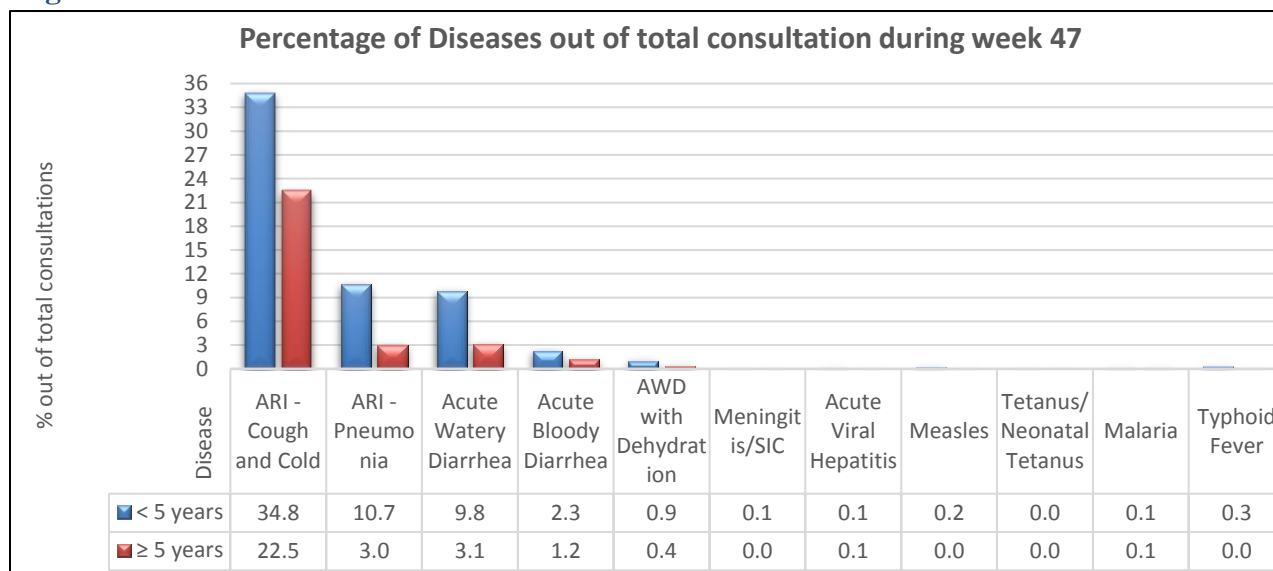


Figure 2: B

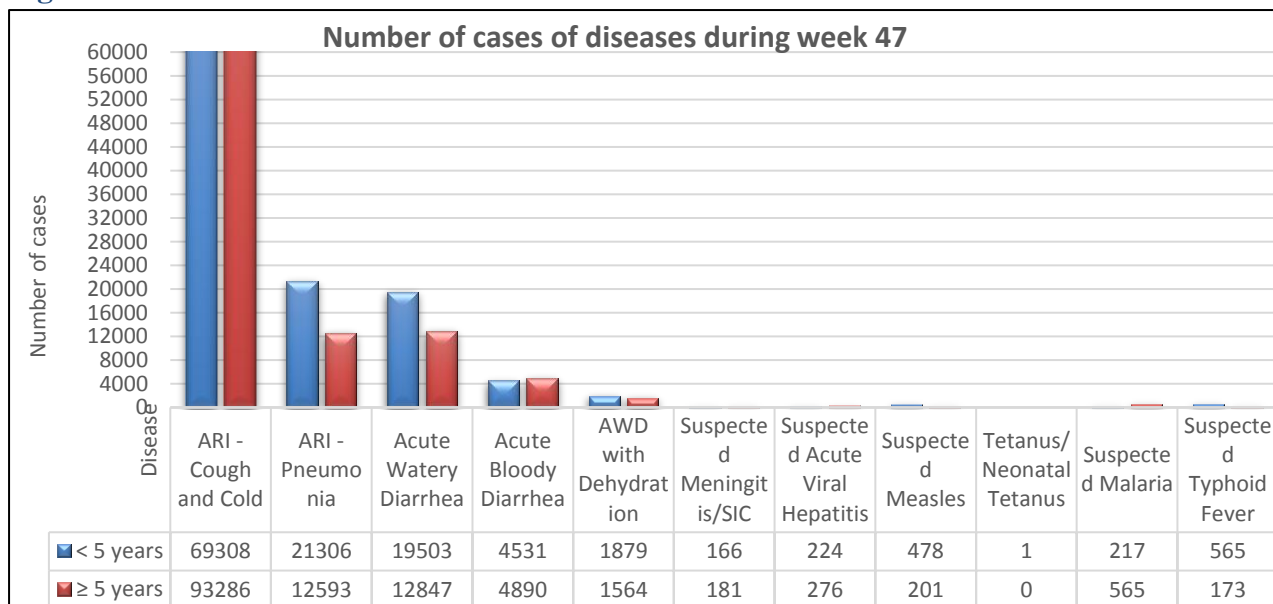


Table 2: Cases and deaths due to VPDs by age group during week 47th 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	508	223	731	3	1	4	0.5
Suspected Pertussis	3	3	6	0	0	0	0

Seasonal Diseases:

Figure 3: A

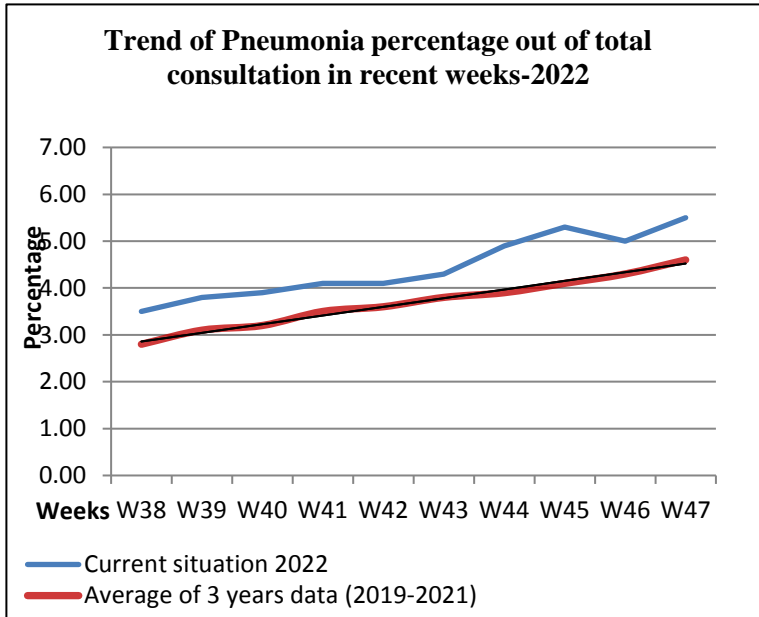


Figure 3: B

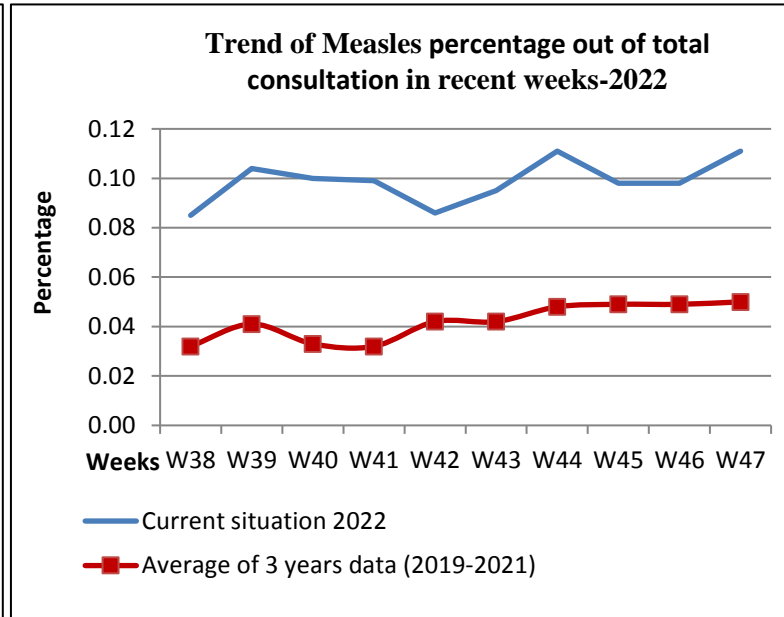


Figure 3: C

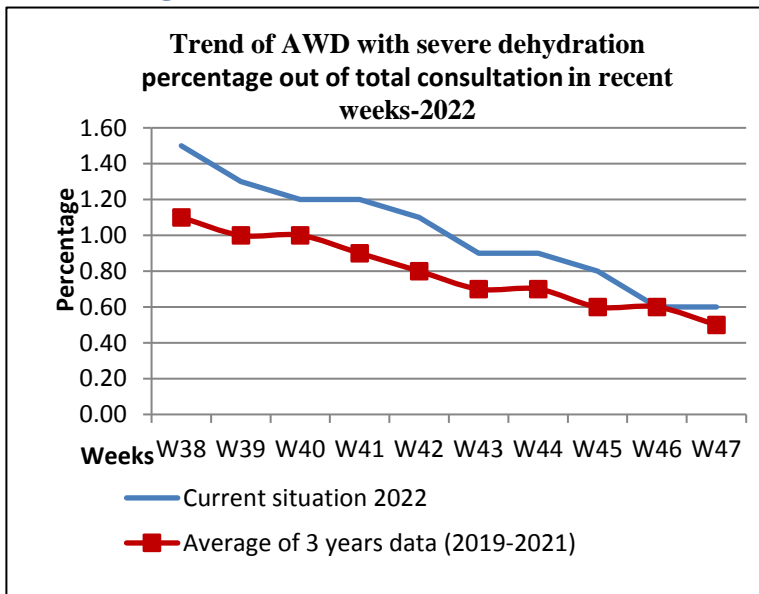


Figure 3: D

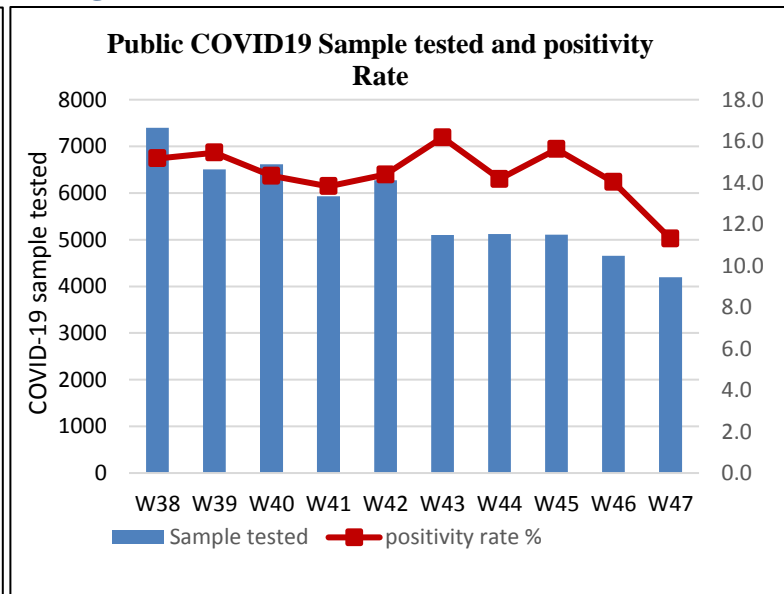


Table 3: Outbreaks in week 47th 2022:

Suspected Measles outbreaks (Kapisa, Kunar, Nangarhar, Nimroz, Urozgan and Zabul) provinces

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
21/11/2022	Kapisa	Nijrab	Baqerkhil	3	3	6	0	80%	50%	<p>In this week, 06 suspected Measles outbreaks were reported from Kapisa, Kunar, Nangarhar, Nimroz, Urozgan and Zabul provinces.</p> <p>The outbreaks were investigated, case management was done for all the cases. Also, health education session was conducted.</p> <p>Vaccination of children in the surrounding villages of the affected areas is going on.</p>
22/11/2022	Kunar	Naranag	Muslimabad	4	10	14	1	90%	80%	
23/11/2022	Nangarhar	Lalpoor	Spiro Nomads Area	9	1	10	0	0%	0%	
24-11-2022	Nimroz	Delaram	Haji Abdul Hadi	3	2	5	0	90%	80%	
20/11/2022	Urozgan	Tarinkit	Marabad	3	2	5	0	70%	50%	
20/11/2022	Zabul	Qalat	Surghkan	8	4	12	0	90%	33%	

Suspected CCHF Cases from (Kapisa, Helmand and Takhar) provinces

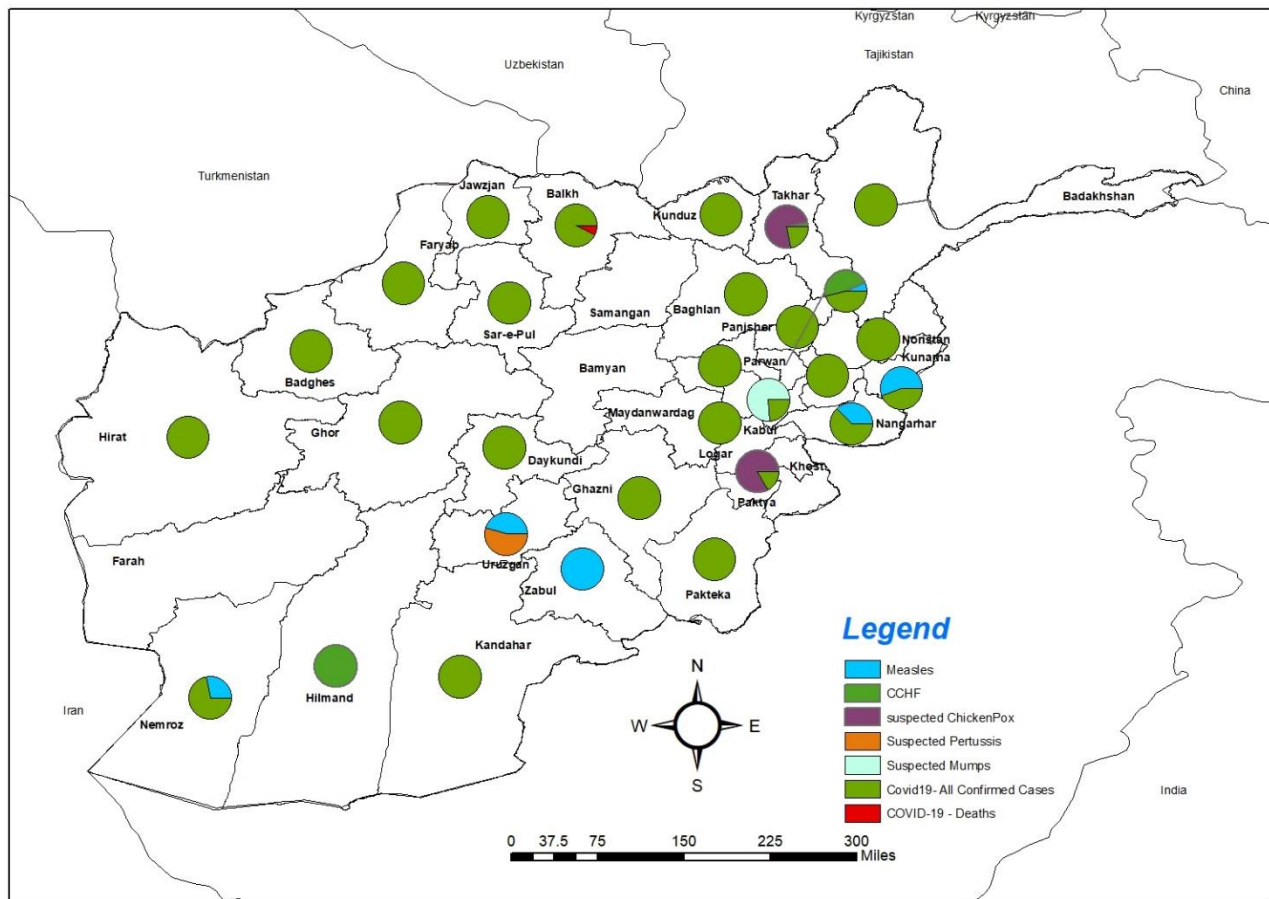
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
25/11/2022	Kapisa	Kohistan-2	Tay Poshta	20	0	12Y	Farmer	<p>During this week 04 suspected CCHF cases were reported from Kapisa, Helmand and Takhar provinces.</p>
25/11/2022		Kohband	Darnamah	20	0	45Y	Farmer	
23/11/2022	Helmand	Nawi	Nagrin	1	0	18Y	Housewife	<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>
23/11/2022	Takhar	Chah Ab	Khalian	1	0	20Y	Housewife	

Suspected chickenpox outbreaks from (Pakya and Takhar) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
23/11/2022	Pakya	Gardez	Ettefaq Mena	45	0	During this week 02 suspected chickenpox outbreaks were reported from Pakya and Takhar provinces, case management was done. Health education sessions were conducted for all the cases.
20/11/2022	Takhar	Taluqan	Qayem Abad	20	0	
Suspected Pertussis outbreaks from (Urozgan) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
20/11/2022	Urozgan	City	Kakrak	6	0	During this week 01 suspected Pertussis outbreak was reported from Urozgan province, case management was done. Health education session was conducted for all the cases.
Suspected Mumps outbreaks from (Kabul) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
22/11/2022	Kabul	District 10	Qala E Khatir	16	0	During this week 01 suspected Mumps outbreak was reported from Kabul , province, case management was done. Health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2022 (26 Dec 2021 to 26 November 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	268	175	3778	111
CCHF	384	105	426	11
Dog bites/Suspected Rabies	24	1	160	0
Pertussis	39	0	342	10
Acute Watery Diarrhea	84	21	5294	16
Food Poisoning	16	0	362	2
Unknown Poisoning	1	0	5	2
Scabies	15	0	344	0
Chickenpox	44	1	518	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	12	0	103	0
Diphtheria	2	0	2	0
Pneumonia	1	0	25	0
Dengue fever	20	10	22	0
Skin disease	1	0	3	0
Anthrax	3	0	10	1
Confirmed Malaria	8	8	1967	0
Acute Viral Hepatitis (AVH)	3	0	16	0
COVID-19	1	1	50614	541
Grand Total	930	322	64062	694

Figure 4: COVID-19, Suspected Measles, Suspected CCHF, Chickenpox, Suspected Mumps, Suspected Pertussis cases and deaths during the week 47th



Laboratory surveillance:

A total of **5121** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **474** specimens were confirmed for COVID-19, **29** specimens were confirmed for Malaria, **28** specimens were confirmed for Measles, **09** specimen were confirmed for Chickenpox and **01** specimen was confirmed for Leishmaniasis (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 47th 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, 275 (7.4 %) Severe Acute Respiratory Infections cases were reported and 64% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 46th 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 Kabul (33 %), Kapisa (26 %), and Bamyan (16.7%) provinces. During this Epi-week, our field staff shipped 48 SARI and 32 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **4196** specimens were tested for suspected COVID-19. Out of which **474** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 11.3 % in this week, which decreased 2.8% compared to previous week.
- Bed occupancy rate (BOR) at the national level was **39.1%**, which decreased 3.9% compared to last week.
- Out of **474** confirmed cases, **1179** contacts of **396** 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 **42134** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- ARI pneumonia cases are in the increasing trend compared to last weeks of the same year and the same weeks of the previous year
- Measles cases are also increased compared to previous week of the same year
- Dengue fever cases response need strong efforts, as this outbreak is spreading from the east part to other parts of the country
- Weak response system to outbreaks at national level

Recommendations:

- Public awareness regarding ARI pneumonia prevention and control is needed
- Measles vaccination and preventive measures should be strengthened and the measles response strategy should be revised
- Strong preventive and control measures are needed for the prevention and control of dengue fever cases, especially in the east part of the country
- RRTs establishment in the provincial and national level is needed, to timely investigate and response the outbreaks
 - **EPI:** As the surveillance system detected **783** suspected Measles cases and 05 deaths due to measles 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.