

Summary:

- Out of **613** functional Surveillance sentinel sites, **593 (96.7 %)** have submitted reports this week.
- A total of **593,766** new consultations, **235,144 (39.6%)** were due to Surveillance targeted diseases. That included **123,879 (52.7%)** males and **111,265 (47.3%)** females. Also, **110,483 (47%)** under five years old and **124,661 (53%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **151,649 (25.5%)** cases out of total new consultations, Acute Diarrheal Diseases **47,494 (8%)** cases out of total new consultations, and Pneumonia **29,512 (5%)** cases out of total new consultations.
- A total of **244** deaths were reported this week, of which **70 (28.7%)** deaths were due to Surveillance targeted diseases, which include **59** Pneumonia deaths, **03** COVID-19 deaths, **03** Suspected Meningitis/ Severely Ill Child deaths, **02** Suspected Acute Viral Hepatitis deaths, **02** Suspected Measles deaths and **01** Acute Watery Diarrhea (AWD) with Dehydration death.
- In addition, during this week **18 outbreaks** were reported (**06 Suspected CCHF** outbreaks were reported from Kabul, Paktia, Parwan, Helmand, Balkh and Faryab provinces, **03 Suspected Mumps** outbreaks were reported from Kabul, Takhar and Urozgan, **03 Suspected Pertussis** outbreaks were reported from Urozgan and Zabul Provinces, **03 Suspected Scabies** outbreaks were reported from Badakhshan, Kunduz and Urozgan Provinces, **02 Suspected chickenpox** outbreaks were reported from Kunduz and Urozgan Provinces, **01 AWD** outbreak reported from Nuristan Province.
- Moreover, **657** COVID-19 confirmed cases and **556** suspected Measles cases at the national level and 79 lab confirmed cases of Dengue fever reported by Nangerhar RRL.

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

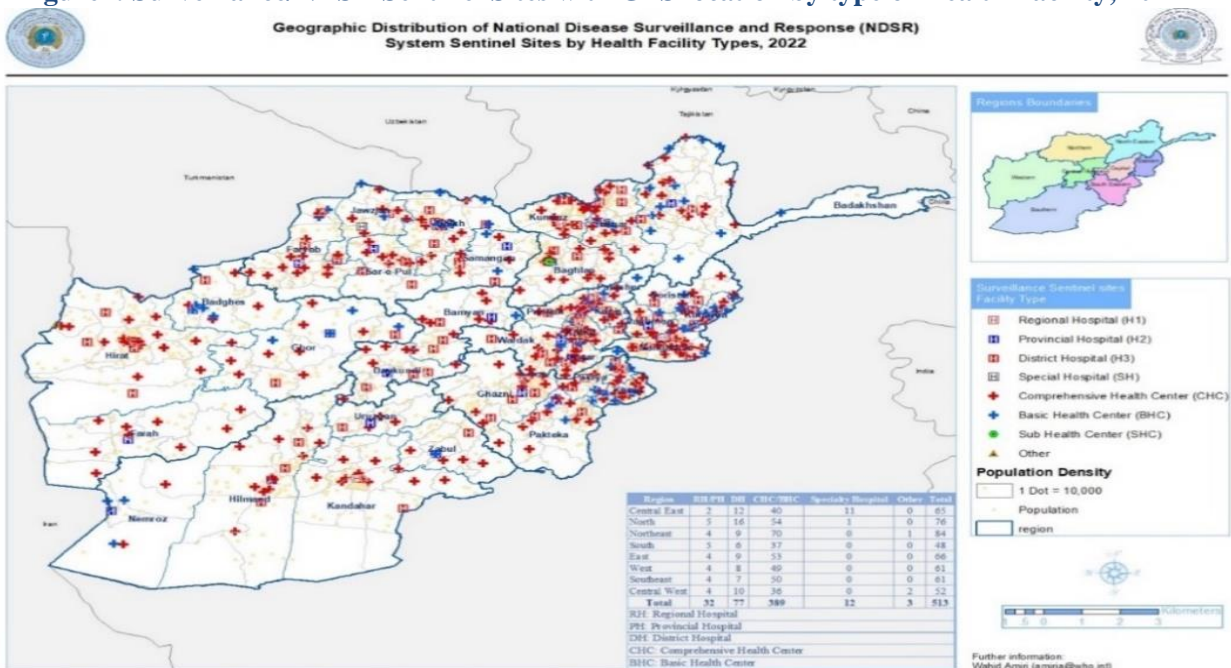


Table 1: Coverage of NDSR Surveillance System

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

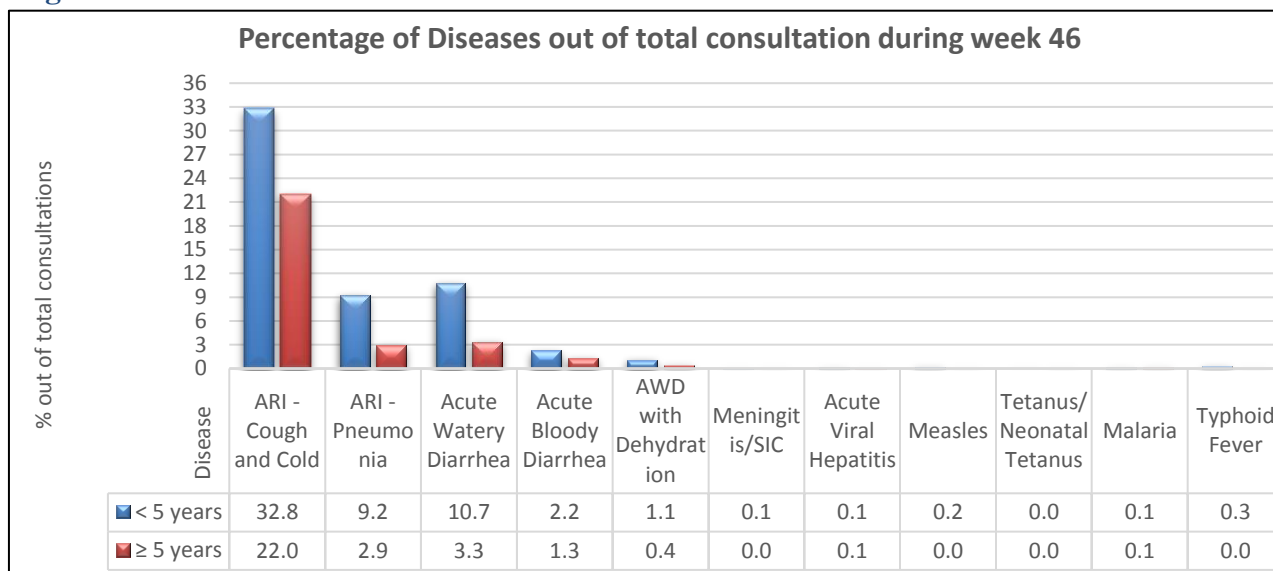


Figure 2: B

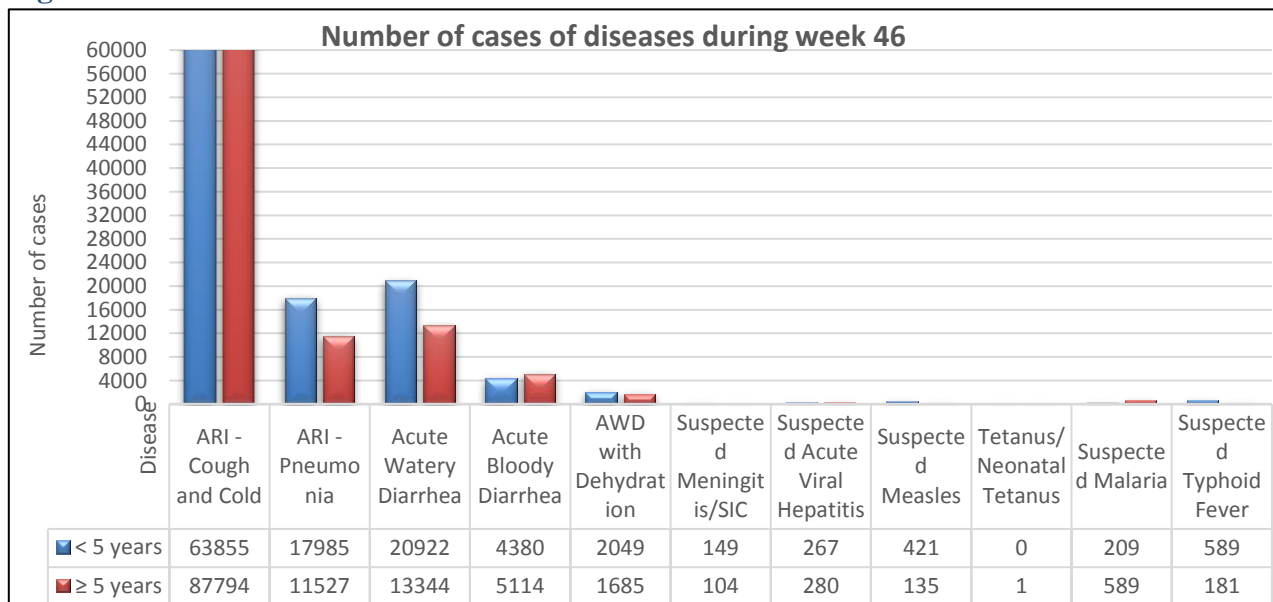


Table 2: Cases and deaths due to VPDs by age group during week 46th 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	421	135	556	2	0	2	0.36
Suspected Pertussis	38	20	58	0	0	0	0

Seasonal Diseases:

Figure 3: A

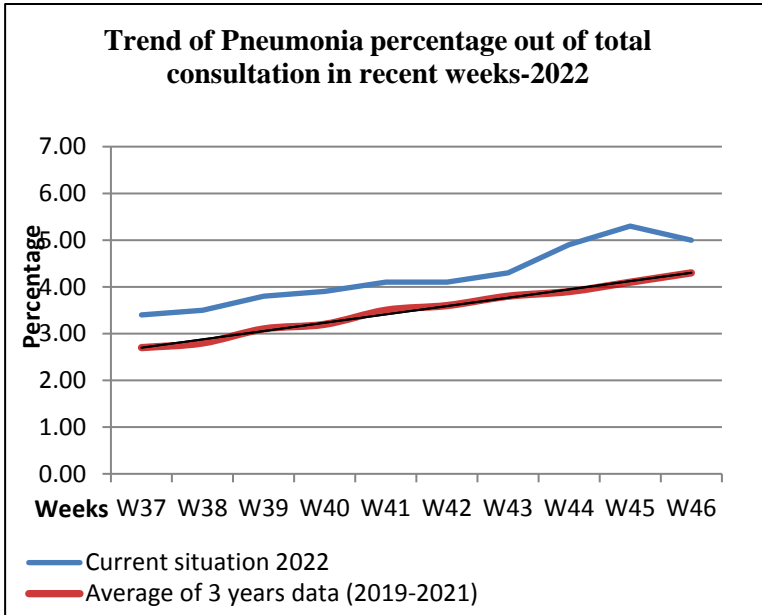


Figure 3: B

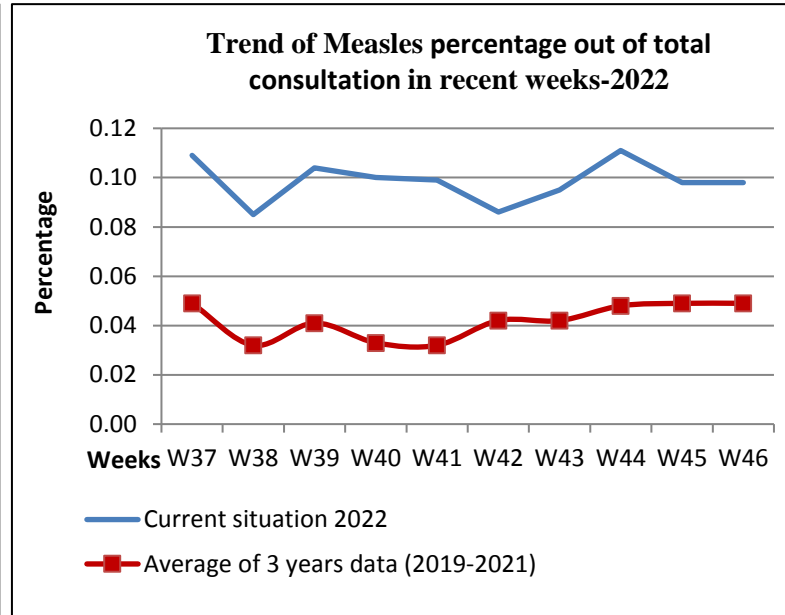


Figure 3: C

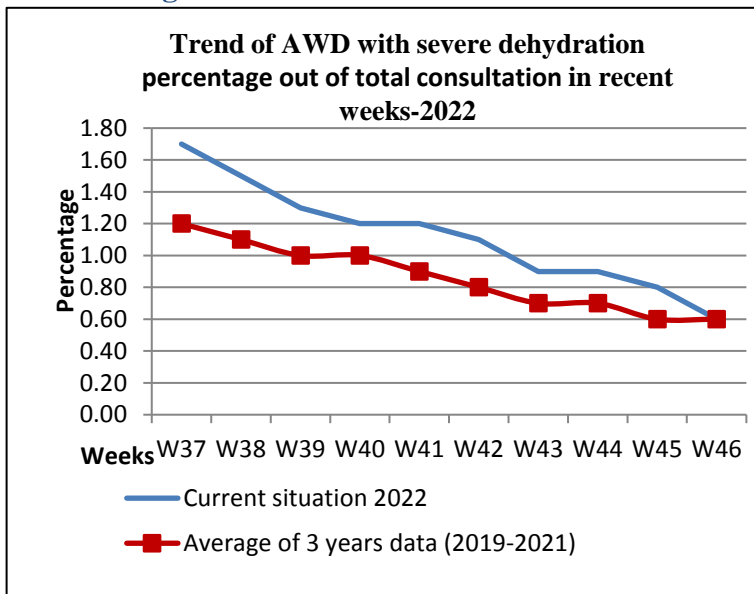


Figure 3: D

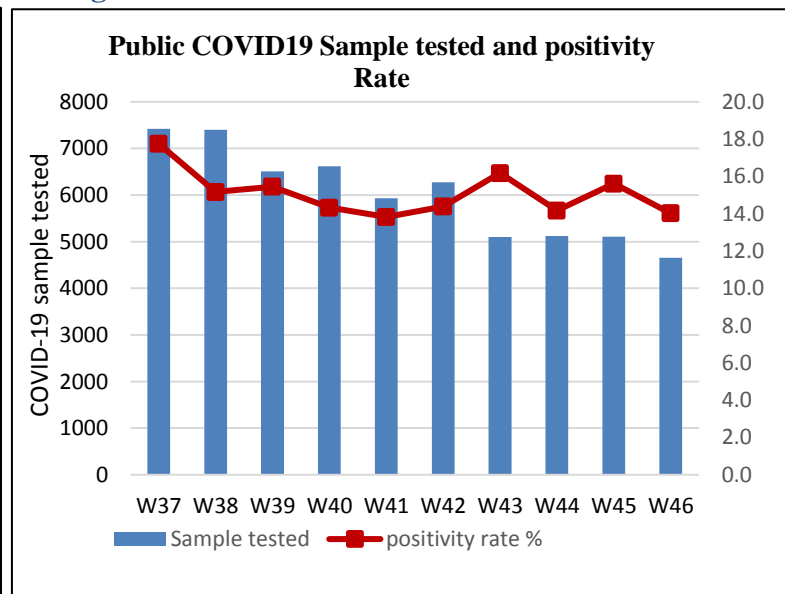


Table 3: Outbreaks in week 46^h 2022:

Suspected CCHF Cases from (Kabul, Paktia, Parwan, Helmand, Balkh and Faryab) provinces								
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
13/11/2022	Kabul	District 8	Karte Naw	1	0	70	Other	During this week 06 suspected CCHF cases were reported from Kabul, Paktia, Parwan, Helmand, Balkh and Faryab 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.
13/11/2022	Paktia	Gardez	Baghika	1	0	23	Housewife	
13/11/2022	Parwan	Bagram	Qala-e-Nasro	1	0	28	Housewife	
14/11/2022	Helmand	Grishk	Saidan	1	0	16	Farmer	
17/11/2022	Balkh	Mazar-i-Sharif	Faqirabad	1	0	35	Other	
17/11/2022	Faryab	Almar	Almar	1	0	20	Farmer	

Suspected Mumps outbreaks from (Kabul, Takhar and Urozgan) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
13/11/2022	Kabul	District 4	Taimani	9	0	During this week 03 suspected Mumps outbreaks were reported from Kabul, Takhar and Urozgan provinces, case management was done. Health education sessions were conducted for all the cases.
15/11/2022	Takhar	Rustaq	Lalamaidan	10	0	
18/11/2022	Urozgan	District 3	City	3	0	

Suspected Pertussis outbreaks from (Urozgan and Zabul) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
17/11/2022	Urozgan	Tarinkot	Sorkhmorghab	16	0	During this week 03 suspected Pertussis outbreaks were reported from Urozgan and Zabul provinces, case management was done. Health education sessions were conducted for all the cases.
16/11/2022	Zabul	Shajoy	Haji baran	19	0	
16/11/2022		Share safa	Ishaqzai	23	0	

Suspected chickenpox outbreaks from (Kunduz and Urozgan) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
14/11/2022	Kunduz	Chahardarah	Khala Zayee	24	0	During this week 02 suspected chickenpox outbreaks were reported from Kunduz and Urozgan provinces, case management was done. Health education sessions were conducted for all the cases.
13-11-2022	Urozgan	Tarinkot	Nichin	5	0	

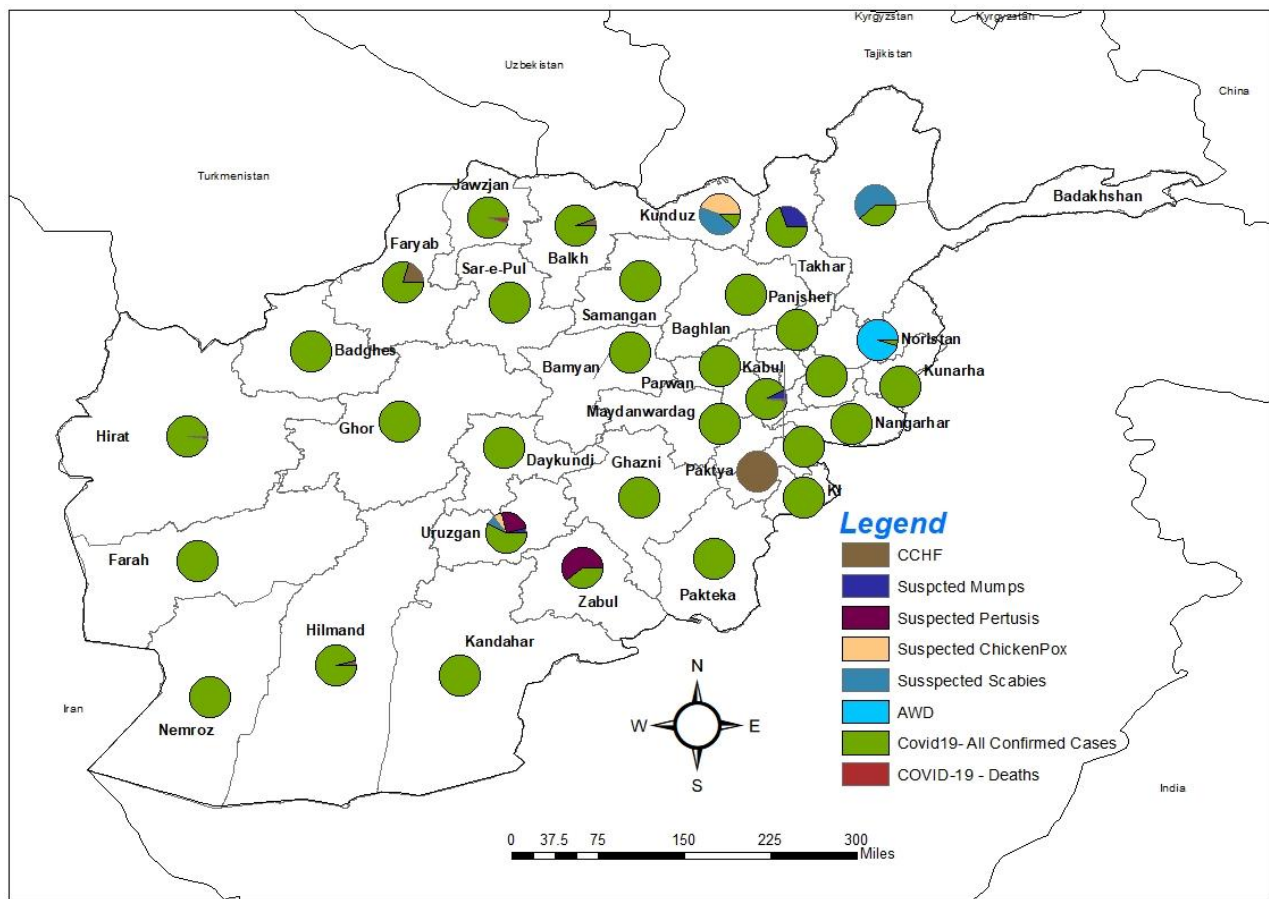
Suspected Scabies outbreaks from (Badakhshan, Kunduz and Urozgan) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take

13/11/2022	Badakhshan	Fayzabad	Abdullah ebne Mubarak	111	0	During this week 03 Suspected Scabies outbreaks were reported from Badakhshan, Kunduz and Urozgan provinces, case management was done. Health education sessions were conducted for all the cases.
17/11/2022	Kunduz	Chahardarah	Darul Hifaz Shahid Ezatullah Fatih	25	0	
17/11/2022	Urozgan	Terin kot	Charmger	9	0	
AWD outbreak from Nuristan province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
13/11/2022	Nuristan	Mandol	Gadwal,Pushal	62		During this week 01 AWD outbreak was reported from Nuristan 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 19 November 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	262	175	3726	110
CCHF	380	105	384	11
Dog bites/Suspected Rabies	24	1	160	0
Pertussis	38	0	336	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	42	1	453	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	11	0	87	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	50140	540
Grand Total	916	322	63407	692

Figure 4: COVID-19, Suspected CCHF, Suspected Mumps, Suspected Chickenpox, Suspected Scabies, AWD cases and deaths during the week 46th



Laboratory surveillance:

A total of **5771** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **657** specimens were confirmed for COVID-19, **79** specimens were confirmed for Dengue fever, **22** specimens were confirmed for Malaria, **36** specimens were confirmed for Measles, **07** specimens were confirmed for Cholera, **01** specimen was confirmed for Leishmaniasis and **01** specimen was confirmed for Chickenpox (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 46th 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, 258 (7.2 %) Severe Acute Respiratory Infections cases were reported and 68% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 45th 2022. 06 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 (23 %), and Bamyan (21.1 %) provinces. During this Epi-week, our field staff shipped 47 SARI and 32 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **4665** specimens were tested for suspected COVID-19. Out of which **657** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 14.08 % in this week, which decreased 1.5% compared to previous week.
- Bed occupancy rate (BOR) at the national level was **43%**, which increased 0.1% compared to last week.
- Out of **657** confirmed cases, **1316** contacts of **491** 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 **34232** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- Weak response system for outbreaks in the provincial level
- Dengue fever cases response need strong efforts, as this outbreak is spreading from the east part to other parts of the country
- Measles cases are still a public health problem, in this week **556** suspected measles cases were reported

Recommendations:

- RRTs establishment in the provincial and national level is needed, to timely investigate and response the outbreaks
- Strong preventive and control measures are needed for the prevention and control of dengue fever cases, especially in the east part of the country
- Measles vaccination and preventive measures should be strengthened and the measles response strategy should be revised
 - **EPI:** As the surveillance system detected **556** 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.