

Summary:

- Out of **613** functional Surveillance sentinel sites, **576 (94 %)** have submitted reports this week.
- A total of **569,783** new consultations, **224,378 (39.4%)** were due to Surveillance targeted diseases. That included **118,351 (52.7%)** males and **106,027 (47.3%)** females. Also, **110,328 (49.2%)** under five years old and **114,050 (50.8%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **135,123 (23.7%)** cases out of total new consultations, Acute Diarrheal Diseases **55,044 (9.7%)** cases out of total new consultations, and Pneumonia **27,655 (4.3%)** cases out of total new consultations.
- A total of **212** deaths were reported this week, of which **62 (29.24%)** deaths were due to Surveillance targeted diseases, which include **44** Pneumonia deaths, **05** COVID-19 deaths, **04** Suspected Acute Viral Hepatitis deaths, **03** Suspected Meningitis/ Severely Ill Child deaths, **06** Acute Watery Diarrhea (AWD) with Dehydration deaths.
- In addition, during this week **17 outbreaks** were reported (**04 Suspected CCHF** outbreaks were reported from Kabul, Balkh, Herat and Nangarhar provinces, **03 Suspected Mumps** outbreaks were reported from Kabul and Logar Provinces, **03 Suspected Chickenpox** outbreaks were reported from Kabul, Baghlan and Urozgan Provinces, **03 Suspected Scabies** outbreaks were reported from Paktya and Urozgan Provinces, **03 AWD** outbreak were reported from Kabul, Badghis and Balkh Provinces and **01 suspected Pertussis** was reported form Takhar Province.
- Moreover, **739** COVID-19 confirmed cases and **631** suspected Measles cases reported at the national level.

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

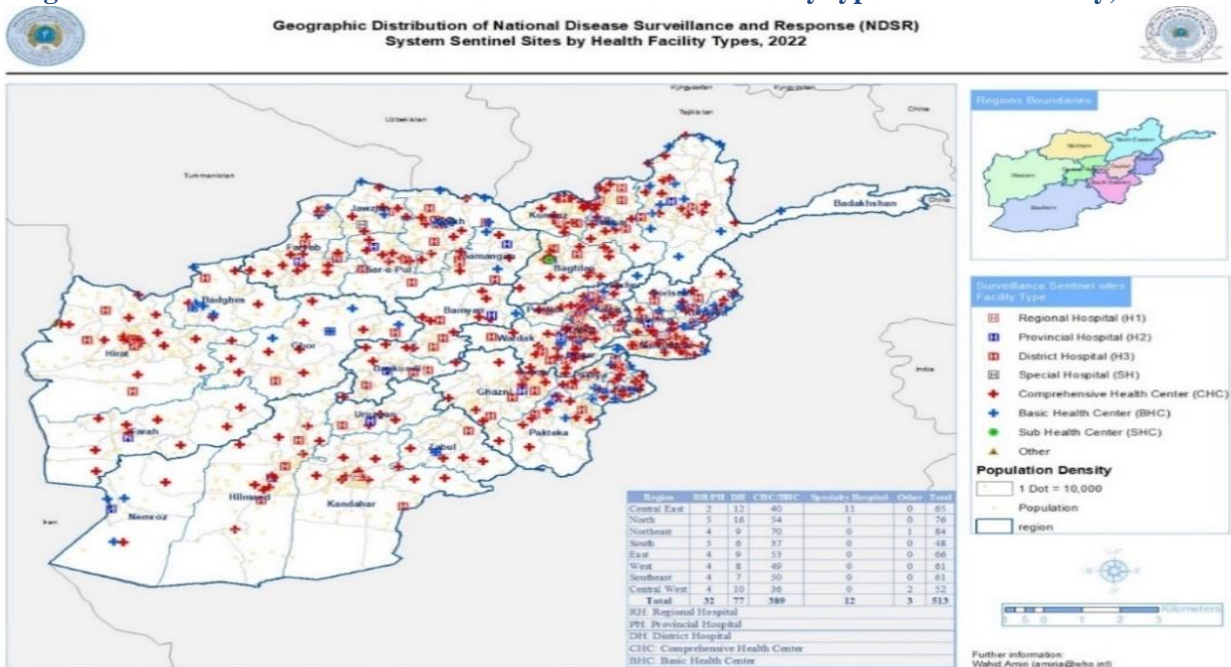


Table 1: Coverage of NDSR Surveillance System

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	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

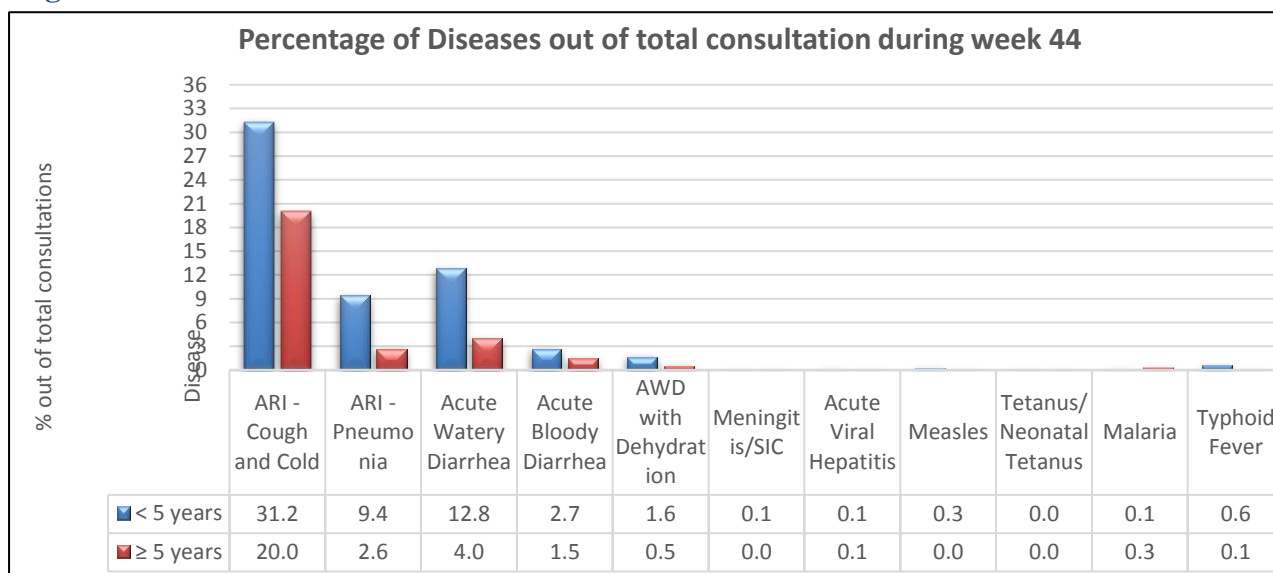


Figure 2: B

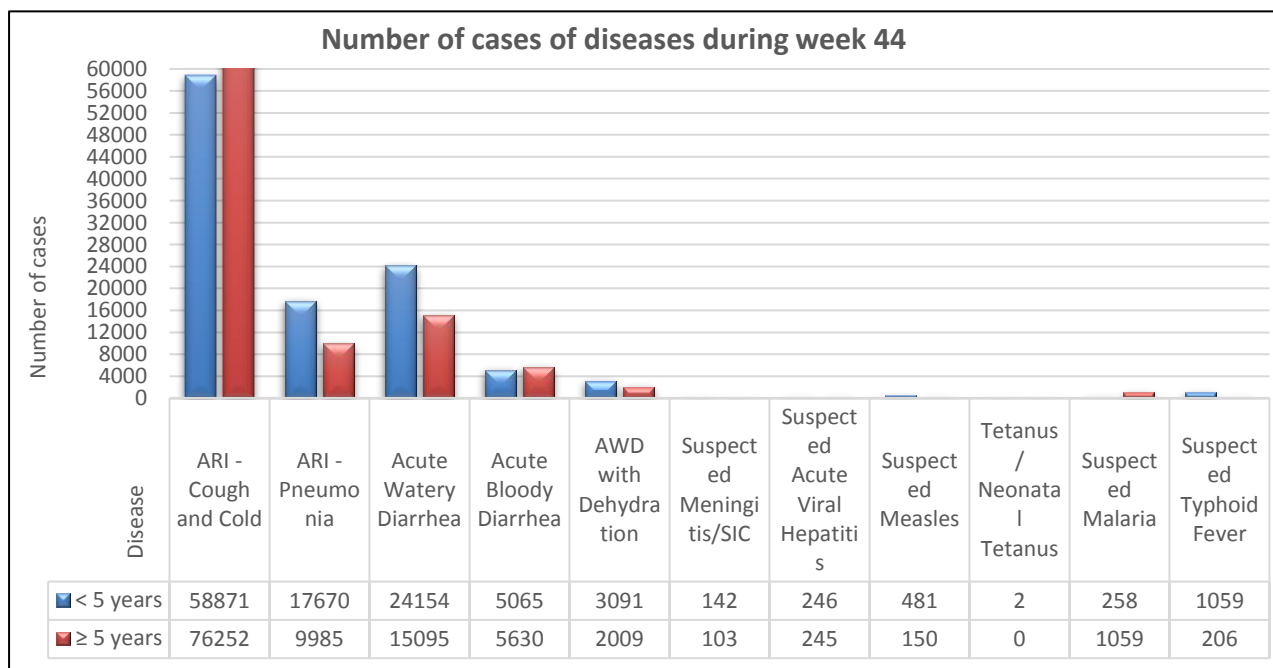


Table 2: Cases and deaths due to VPDs by age group during week 44th 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	481	150	631	0	0	0	0.00
Suspected pertussis	5	0	5	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

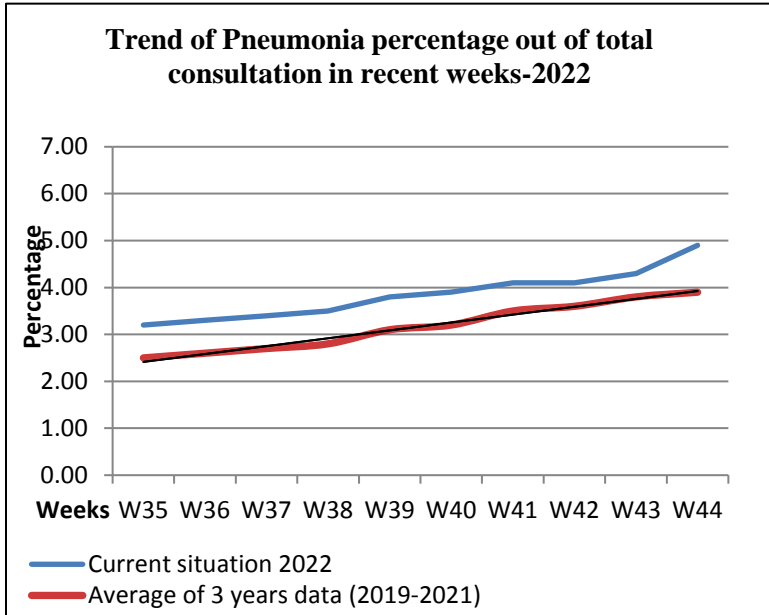


Figure 3: B

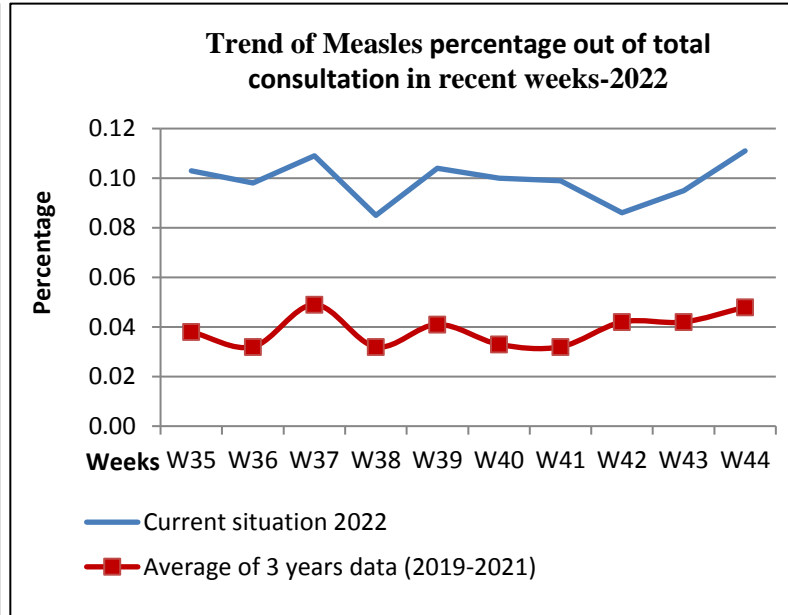


Figure 3: C

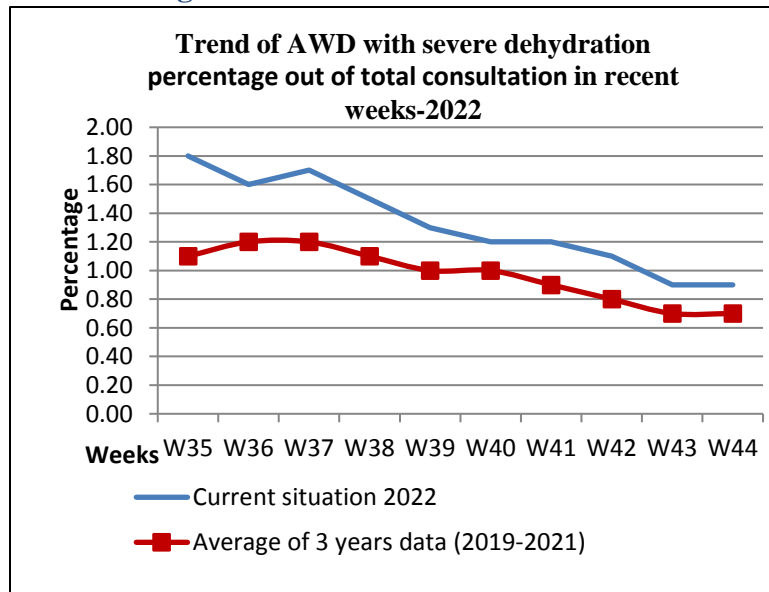


Figure 3: D

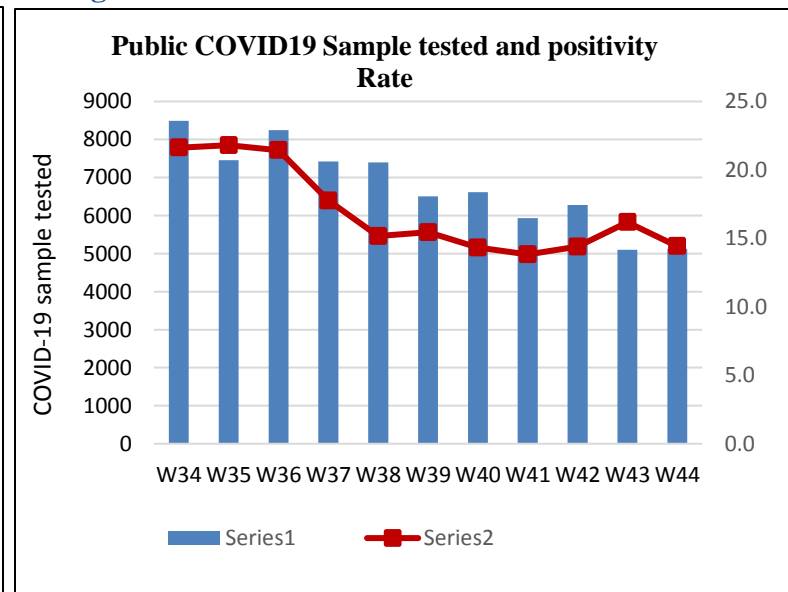


Table 3: Outbreaks in week 44th 2022:

Suspected CCHF Cases (Nangarhar, Balkh, Herat and Kabul) provinces								
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
30/10/2022	Kabul	Surobi	Waki Khas	1	0	22Y	Other	During this week 04 suspected CCHF Outbreaks were reported from Nangarhar, Balkh, Kabul, and Herat 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.
02/11/2022	Balkh	Mazar-e-Sharif	Naw Shad	1	0	60Y	Farmer	
03/11/2022	Herat	Poshton Zarghoon	Boria Abad	4	0	25Y	Other	
30/10/2022	Nangarhar	Khogiani	Lokhi	1	0	27Y	Other	
Suspected Mumps outbreaks from (Kabul and Logar) provinces								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
10/29/2022	Kabul	District 11	102 Bed Hospital	5	0	During this week 03 Suspected Mumps outbreaks were reported from Kabul and Logar provinces, case management was done. Health education sessions were conducted for all the cases.		
11/2/2022		District 17	Khair Khana	4	0			
1/11/2022	Logar	Puli Alam	Niazi Khil	5	0			
Suspected chickenpox outbreaks from (Kabul, Urozgan and Baghlan) provinces								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
02/11/2022	Kabul	District 11	Istadgahe Mawade Makhdar	4	0	During this week 03 suspected chickenpox outbreaks were reported from Kabul, Urozgan and Baghlan provinces, case management was done. Health education sessions were conducted for all the cases.		
02/11/2022	Urozgan	Tarin kot	Sarchakhli	6	0			
30/10/2022	Baghlan	Pulikhomri	Chapi Darya	5	0			
AWD outbreaks from (Kabul, Badghis and Balkh) provinces								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
01/11/2022	Kabul	District 12	Shahrak Sayed Jamaluddin	3	0	During this week 03 AWD outbreaks were reported from Kabul, Badghis and Balkh provinces, case management was done. Health education sessions were conducted for all the cases.		
02/11/2022	Badghis	Bala Morghab	Quroto	9	0			
01/11/2022	Balkh	Balkh	Nawward Bokah	16	0			

Suspected Scabies outbreaks from (Paktya and Urozgan) provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
30/10/2022	Paktya	Ahmadaba	Mamozai villgae	19	0	During this week 03 suspected Scabies outbreaks were reported from Paktya and Urozgan provinces, case management was done. Health education sessions were conducted for all the cases.
31/10/2022		Ahmadaba	Mohammad Raheem high school	25	0	
01/11/2022	Urozgan	Talani	Tarin kot	14	0	

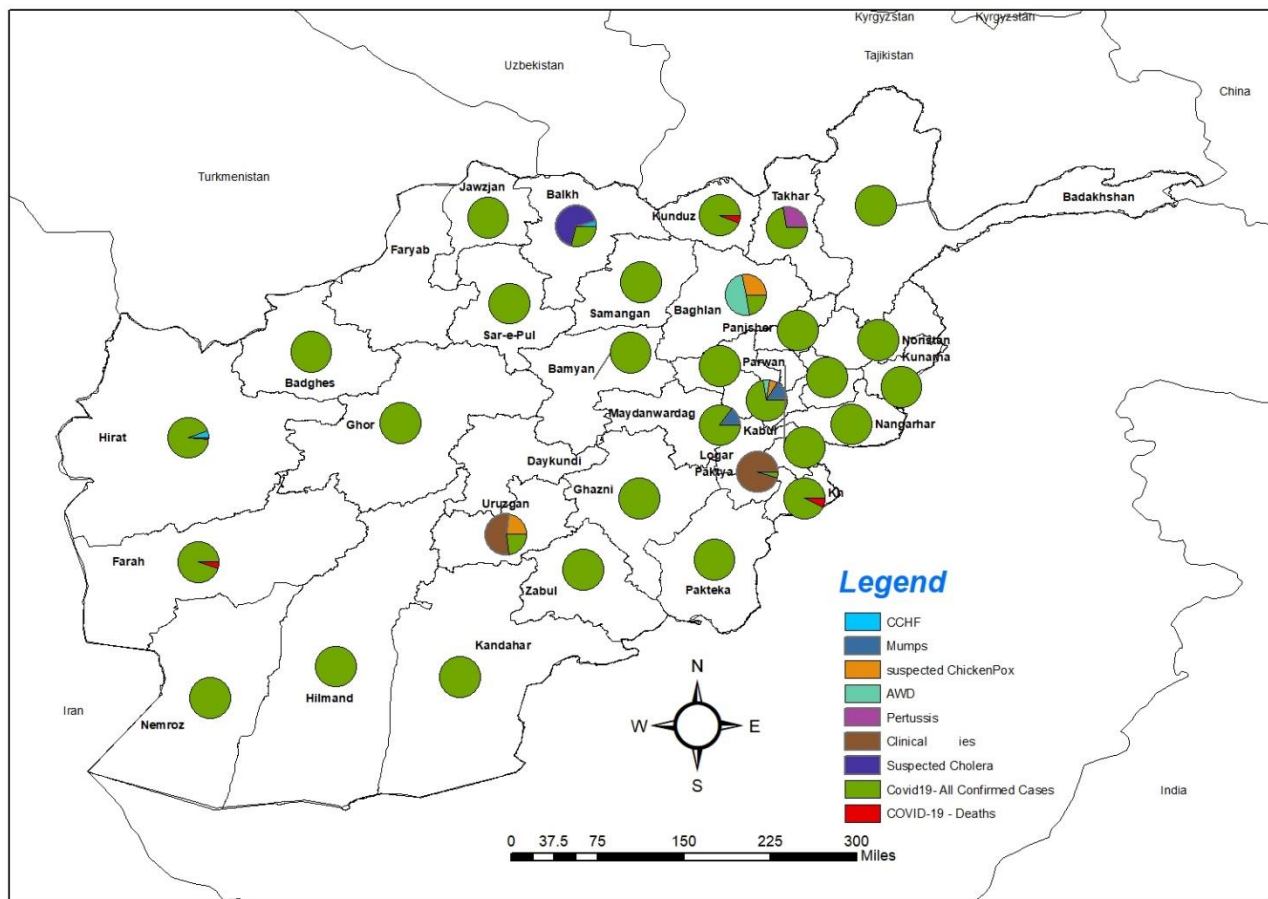
Suspected Pertussis outbreak from (Takhar) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
01/11/2022	Takhar	Kalafgan	Zard Alow darah sufla	5	0	During this week 01 suspected Pertussis outbreak was reported from Takhar 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 05 November 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	261	175	3680	110
CCHF	372	105	376	11
Dog bites/Suspected Rabies	23	1	154	0
Pertussis	35	0	278	10
Acute Watery Diarrhea	82	21	5151	14
Food Poisoning	16	0	362	2
Unknown Poisoning	1	0	5	2
Scabies	12	0	199	0
Chickenpox	35	1	367	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	8	0	65	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	48683	534
Grand Total	888	322	61436	684

Figure 4: COVID-19, Suspected CCHF, Suspected chickenpox, AWD, Mumps, Suspected Scabies, Suspected Pertussis cases and deaths during the week 44th



Laboratory surveillance:

A total of **6202** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **739** specimens were confirmed for COVID-19, **90** specimens were confirmed for Dengue fever, **41** specimens were confirmed for Malaria, **05** specimens were confirmed for Acute Viral Hepatitis, **02** specimen was confirmed for Brucellosis (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 44th 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, 242(6.6 %) Severe Acute Respiratory Infections cases were reported and 64% were under 5 years old. The proportion of SARI cases were slightly decreased compared to week 43rd 2022. 11 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (27.3 %), Kabul (25 %), Bamyan (18.6 %) and Baghlan (14 %) 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, **5123** specimens were tested for suspected COVID-19. Out of which **739** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 14.4 % in this week, which decreased 2% compared to previous week.
- Bed occupancy rate (BOR) at the national level was **49.2%**, which increased 3.7 % compared to last week.
- Out of **739** confirmed cases, **1395** contacts of 547 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 **48,934** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- Dengue fever cases are in the increasing trend in the country, especially in the east part of the country, only in this week we had 90 lab confirmed cases.
- Measles cases are increased compared to the previous week, as in this week **631** suspected measles cases were reported
- ARI pneumonia cases are also increased in this week compared to the previous week

Recommendations:

- Strong preventive and control measure 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
- RRTs should be established in the provincial level to timely and properly investigate and respond to all outbreaks including ARI, as in the coming months we may have ARI outbreaks
 - **EPI:** As the surveillance system detected **631** 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.