

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 25th

Date: 19-25/06/2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 501 (96.5%) have submitted reports this week.
- A total of 534,911 new consultations, 213,269 (39.9%) were due to Surveillance targeted diseases. That included 112,965 males (53%) and 100,304 females (47%). Also, 102,546 (48.1%) under five years old and 110,723 (51.9%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 98,388 cases (18.4%) out of total new consultations, Acute Diarrheal Diseases 88,729 cases (16.6%) out of total new consultations, and Pneumonia, 16,961 cases (3.2%) out of total new consultations.
- A total of 202 deaths were reported this week, of which 51 deaths (25.2%) were due to Surveillance targeted diseases deaths, which include 26 Pneumonia deaths, 12 Suspected Measles deaths, 04 COVID-19 Deaths, 03 Suspected Meningitis/ Severely Ill Child deaths, 02 Acute Watery Diarrhea (AWD) deaths, 02 Pregnancy-related deaths, 01 Acute Watery Diarrhea (AWD) with Dehydration death and 01 Typhoid Fever death.
- A total of **1,855** Measles suspected cases with 12 deaths were reported in this week.
- In addition, during this week 15 outbreaks (5 **suspected CCHF** cases were reported from Herat, Jawzjan and Faryab provinces, 02 **suspected Measles** outbreaks were reported from Paktika and Ghazni provinces. 02 **Suspected Pertussis** outbreaks were reported from Urozgan and Zabul provinces, 02 **clinical Scabies** outbreaks were reported from Paktya and Kapisa provinces, 01 **Food poisoning outbreak** was reported from Laghman Province, 01 **AWD** outbreak was reported from Paktika Province, 01 **Chickenpox** outbreak was reported from Paktya province and 01 **Dengue fever** outbreak was reported from Nangarhar province.
- Moreover, **498** COVID-19 confirmed cases were reported at the national level.

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

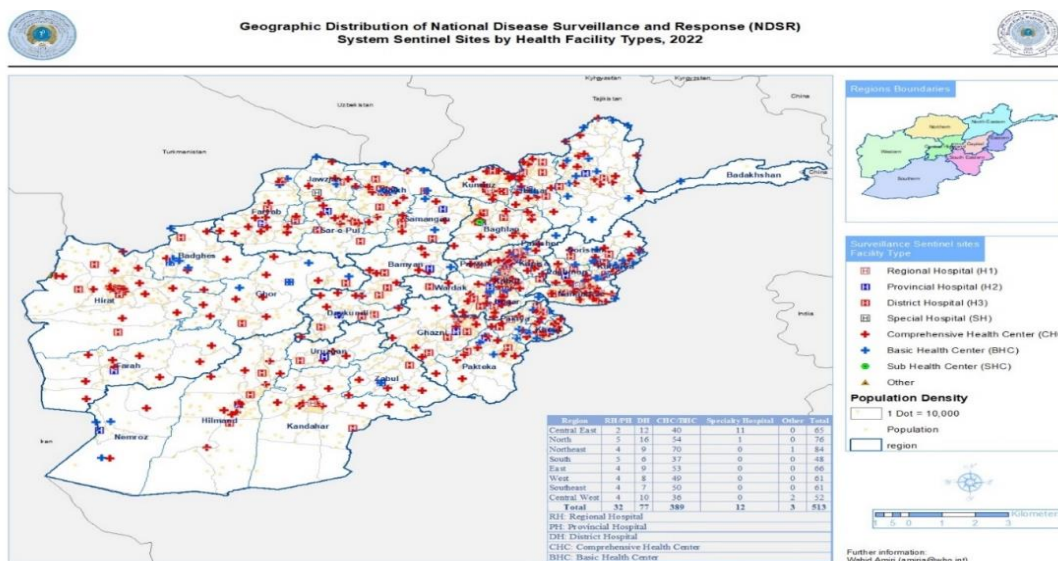


Table 1: Coverage of NDSR Surveillance System

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

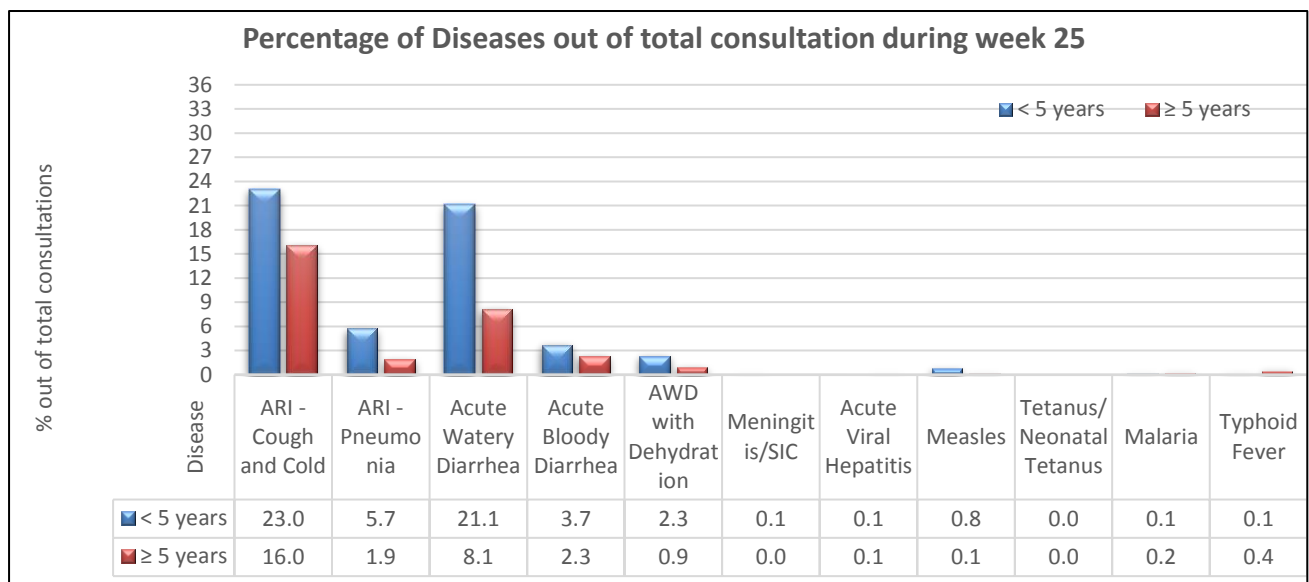


Figure 2: B

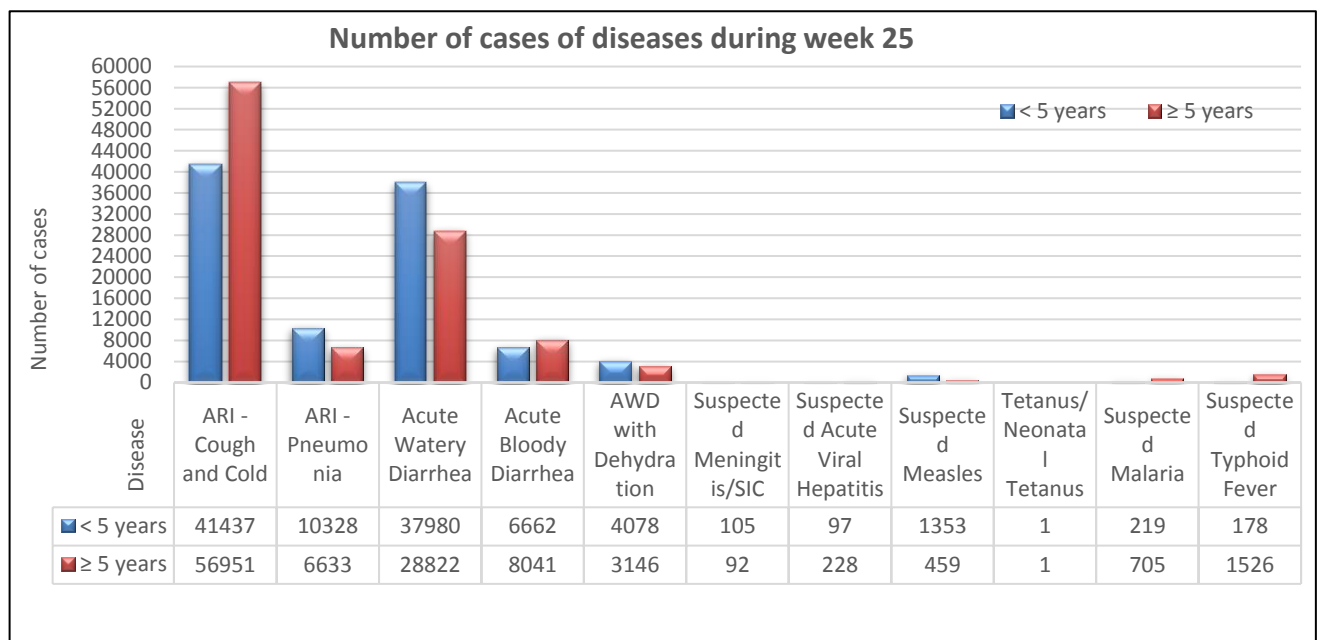


Table 2: Cases and deaths due to VPDs by age group during week 25th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	1353	459	1812	12	0	12	0.66

Seasonal Diseases:

Figure 3: A

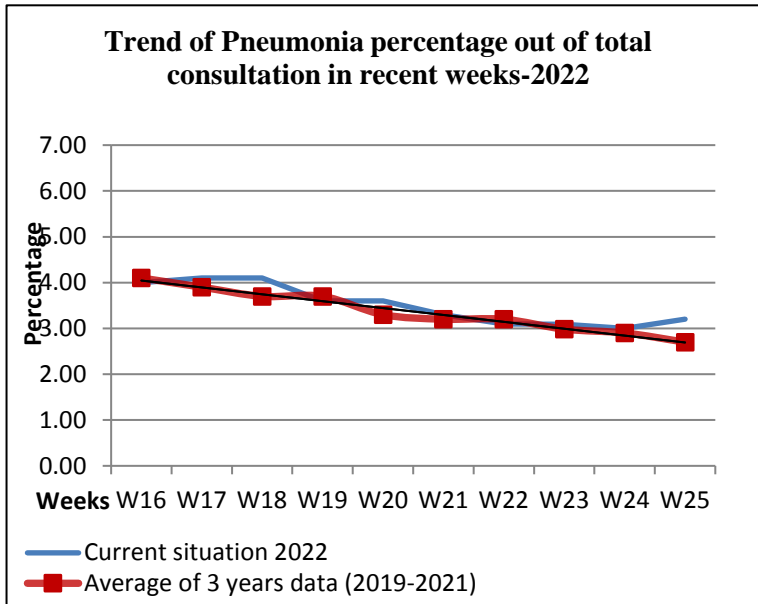


Figure 3: B

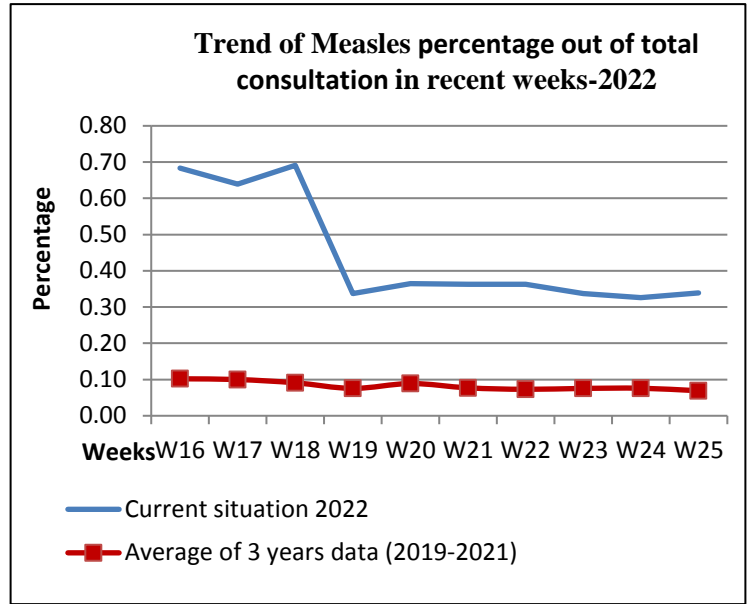


Figure 3: C

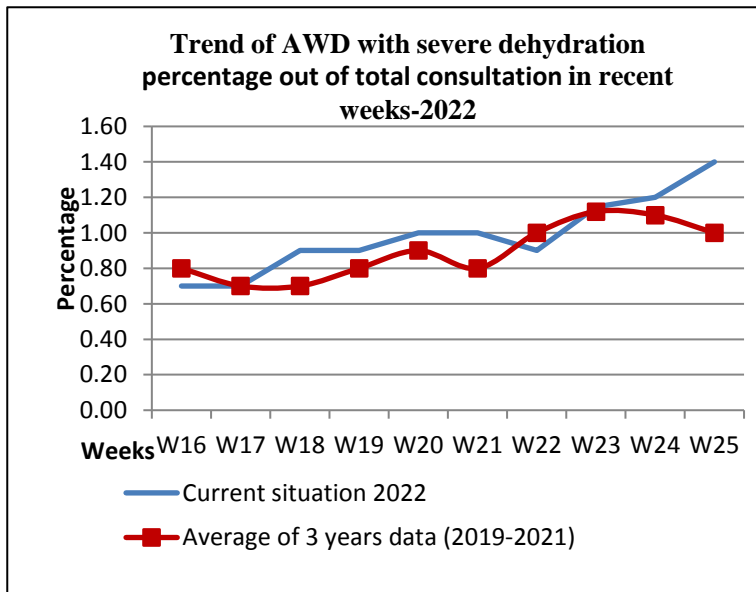


Figure 3: D

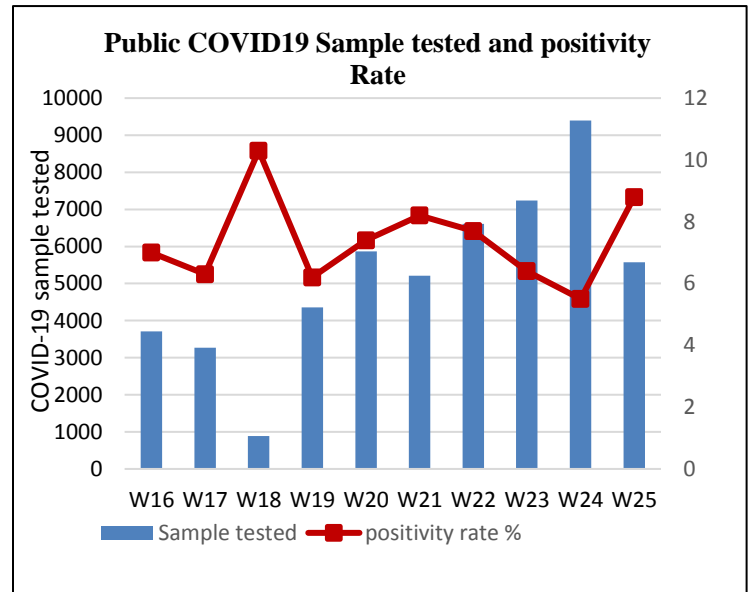


Table 3: Outbreaks in week 25th:

Suspected Measles outbreaks (Paktika and Ghazni provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
20/06/2022	Paktika	Ahmadaba	High schools	0	12	12	0	N/A	N/A	In this week, 02 suspected Measles outbreaks were reported from Paktika and Ghazni 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.
23/06/2022	Ghazni	Dehyak	Kawiyani	14	17	31	0	N/A	N/A	

Suspected CCHF cases (Herat, Jawzjan and Faryab Provinces)								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
21/06/2022	Herat	Pushtoonzarghon	Siya korda	1	0	29Y	Farmer	During this week 5 suspected CCHF cases were reported from Herat, Jawzjan and Faryab 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.
21/06/2022		Pushtoonzarghon	Siya korda	1	0	50Y	Housewife	
21/06/2022		Injel	Shoin	1	0	60Y	Farmer	
21/06/2022	Jawzjan	Aqcha	Murdiyan	1	0	62Y	Housewife	
21/06/2022	Faryab	Sheren takab	Shor darya	1	0	27Y	Farmer	

Suspected Pertussis outbreaks from (Urozgan and Zabul provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
20/05/2022	Urozgan	Dehrawood	Landiana	6	0	During this week 02 Suspected Pertussis outbreaks were reported from Urozgan and Zabul provinces. Case management was done, health education sessions were conducted for all the cases.
24/06/2022	Zabul	Shahre safa	Havili araea	12	0	

Food poisoning outbreak (Laghman Province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
24/06/2022	Laghman	Qarghaee	Kulalan and Najaran	23	0	During this week 01 Food poisoning outbreak was reported from Laghman province. Case management was done, health education session was conducted for all the cases.

Clinical Scabies Outbreaks (Paktya and Kapisa provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
19/06/2022	Paktya	Ahmadaba	High schools	21	0	During this week 02 clinical Scabies outbreaks were reported from Paktya and Kapisa provinces, the outbreaks were investigated, case management was done for all the cases, and health education session was conducted.
20/06/2022	Kapisa	Nejrab	Ashrafia Riligious School	13	0	

AWD outbreak from (Paktika province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
19/06/2022	Paktika	Gayan	Different areas of Gayan	165	0	During this week 01 AWD outbreak was reported from Paktika Province. 165 AWD cluster cases were reported in this outbreak, 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.

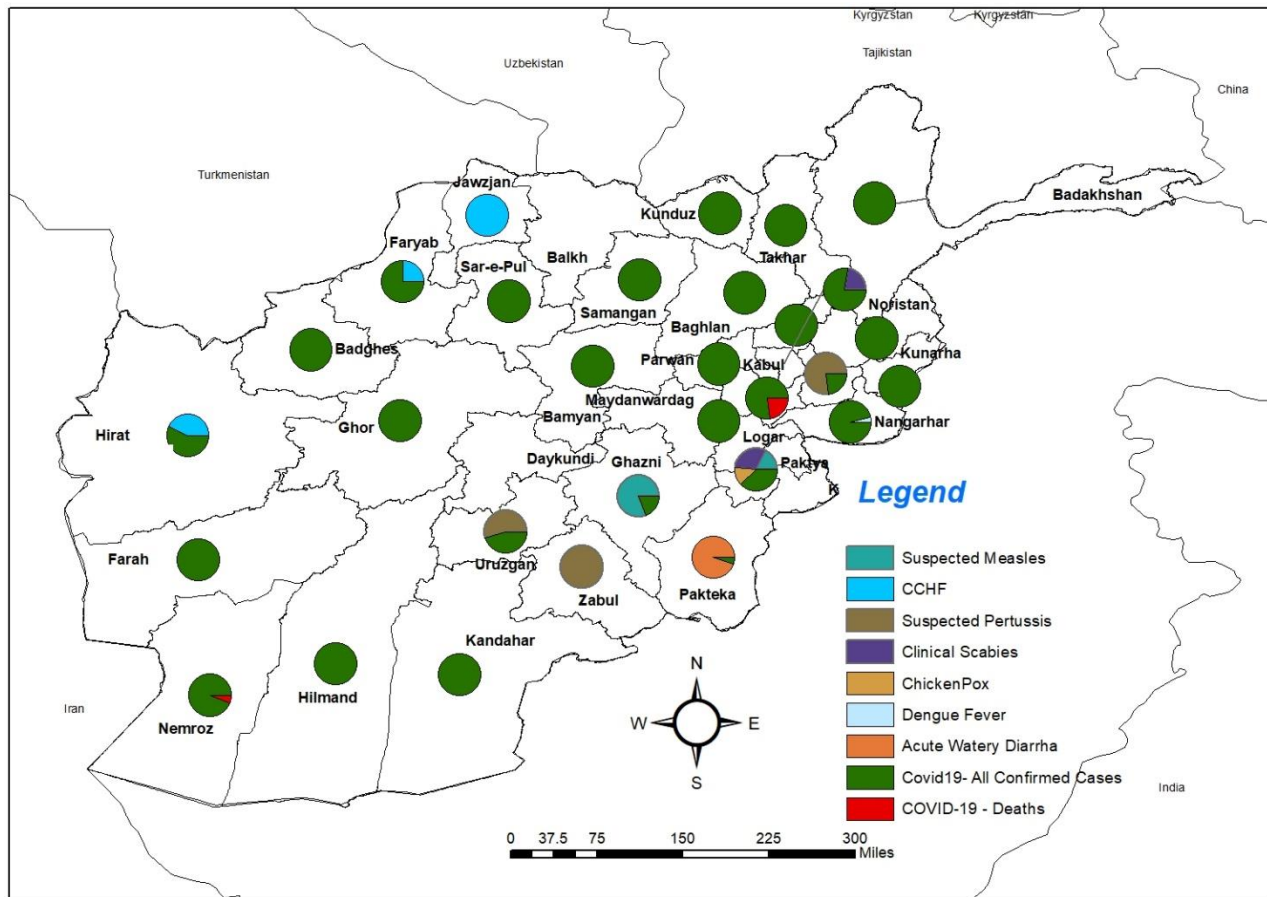
Chickenpox outbreak from (Paktya province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
19/06/2022	Paktya	High schools	Ahmadaba	9	0	During this week 01 Chickenpox outbreak was reported from Paktya province. Case management was done, health education sessions were conducted.

Dengue fever outbreak (Nangarhar)								
Reported dated	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total deaths	Recommendation/Action taken
23/6/2022	Nangarhar	Jalalabad	Khalis family	0	4	4	0	During this week, 01 Dengue fever outbreak was reported from Nangarhar province. Coordination and communication was done with all stakeholders at the local, provincial and national levels, 04 blood serum specimens have been collected and shipped to CPHL for confirmation.

Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 25, Jun 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	225	105	3,261	101
CCHF	99	8	163	6
Dog bites/Suspected Rabies	13	0	72	0
Pertussis	17	0	99	0
Acute Watery Diarrhea	10	3	622	0
Food poisoning	9	0	277	2
Scabies	8	0	130	0
Chickenpox	10	0	85	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	27,652	439
Grand Total	400	117	32471	548

Figure 4: Distributions of COVID-19, CCHF, suspected Measles, Acute Watery Diarrhea, Food poisoning and Suspected Pertussis, Clinical Scabies, Chickenpox, Dengue fever and Food poisoning outbreaks, cases and deaths during week 25th



Laboratory surveillance:

A total of 6,752 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 498 specimens were confirmed for COVID-19, 19 specimens were confirmed for Measles, 09 specimens were confirmed for Malaria in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 25th 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktia). Out of all new hospital admissions, 144 (5%) Severe Acute Respiratory Infections cases were reported and 69% were under 5 years old. The proportion of SARI cases were increased compared to week 24th 2022. Ten 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 (14%), Kapisa (12%) and Bamyan (11%). In this epi-week, our field staff shipped 24 SARI and 18 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **6,659** specimens were tested for suspected COVID-19. Out of which **498** 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 **04%** compared to last week.
- Bed occupancy rate (BOR) at the national level was **71.3%**, which increased 13.2% compared to last week.
- Out of **1,744** contacts of **377** confirmed cases that were mostly family members with an average of 4.6 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 **59361** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

Challenges:

- Diarrheal diseases are in the increasing trend at national level, (especially the AWD outbreaks in Kandahar, Ghazni, Paktika, Zabul and Juzjan provinces)
- Suspected CCHF cases are in the increasing trend (also more CCHF cases are expected after the coming Eid Al Adha Sacrifices)
- Suspected Measles cases and outbreaks are in the increasing trend compared to previous years (in this week **1,855** measles cases and 12 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 (Kandahar, Paktika, Ghazni, Zabul and Juzjan) provinces for the control of AWD outbreaks.
- As we have Eid Al Adha event in the coming 10 days, so more CCHF cases are expected after this event, 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 **1,855** suspected Measles cases, with **12** 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.