

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 26th

Date: 26/06- 02//07/2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 504 (97.1%) have submitted reports this week.
- A total of 536,681 new consultations, 209,027 (38.9%) were due to Surveillance targeted diseases. That included 110,325 males (52.8%) and 98,702 females (47.2%). Also, 101,495 (48.6%) under five years old and 107,532 (51.4%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 98,824 cases (17.9%) out of total new consultations, Acute Diarrheal Diseases 88,871 cases (16.6%) out of total new consultations, and Pneumonia, 15,598 cases (2.9%) out of total new consultations.
- A total of 193 deaths were reported this week, of which 58 deaths (30%) were due to Surveillance targeted diseases deaths, which include 33 Pneumonia deaths, 09 Suspected Measles deaths, 07 COVID-19 Deaths, 03 Suspected Acute Viral Hepatitis deaths, 02 Acute Watery Diarrhea (AWD) with Dehydration deaths, 02 Suspected Meningitis/ Severely Ill Child deaths, 01 Acute Watery Diarrhea (AWD) death and 01 Tetanus/ Neonatal tetanus death.
- A total of **1,651** Measles suspected cases with 12 deaths were reported in this week.
- In addition, during this week 31 outbreaks (16 suspected CCHF cases were reported Parwan, Kabul, Takhar, Laghman, Herat and Balkh provinces, 07 suspected Measles outbreaks were reported from Kapisa, Zabul, Urozgan, Hemand and Samangan provinces, 03 Chickenpox outbreaks were reported from Baghlan and Samangan provinces, 02 Suspected Pertussis outbreaks were reported from Zabul and Kapisa provinces, 02 clinical Scabies outbreaks were reported from Takhar and Parwan provinces and 01 AWD outbreak was reported from Zabul Province.
- Moreover, 566 COVID-19 confirmed cases were reported at the national level.

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

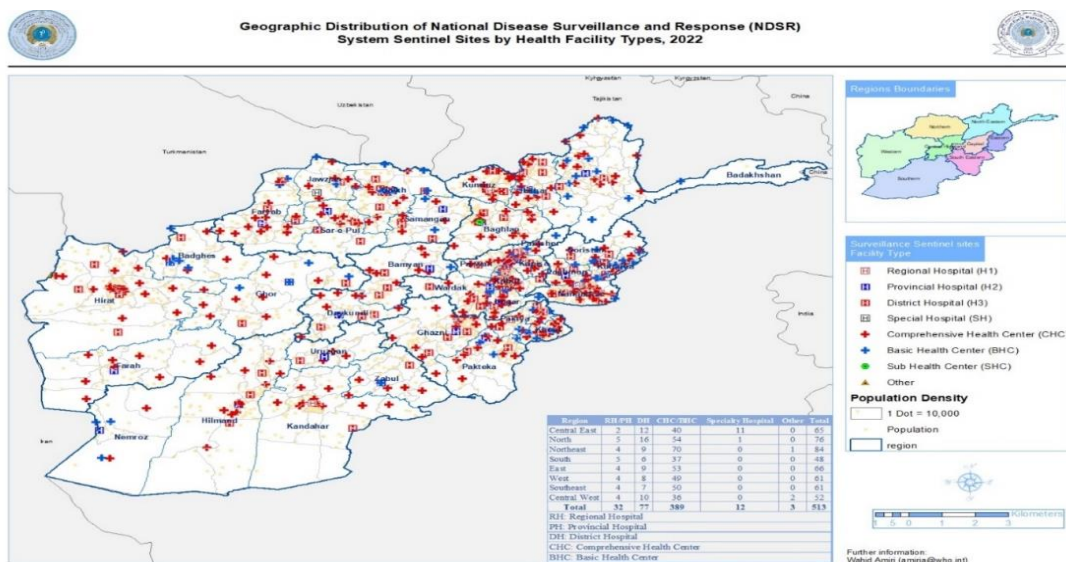


Table 1: Coverage of NDSR Surveillance System

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

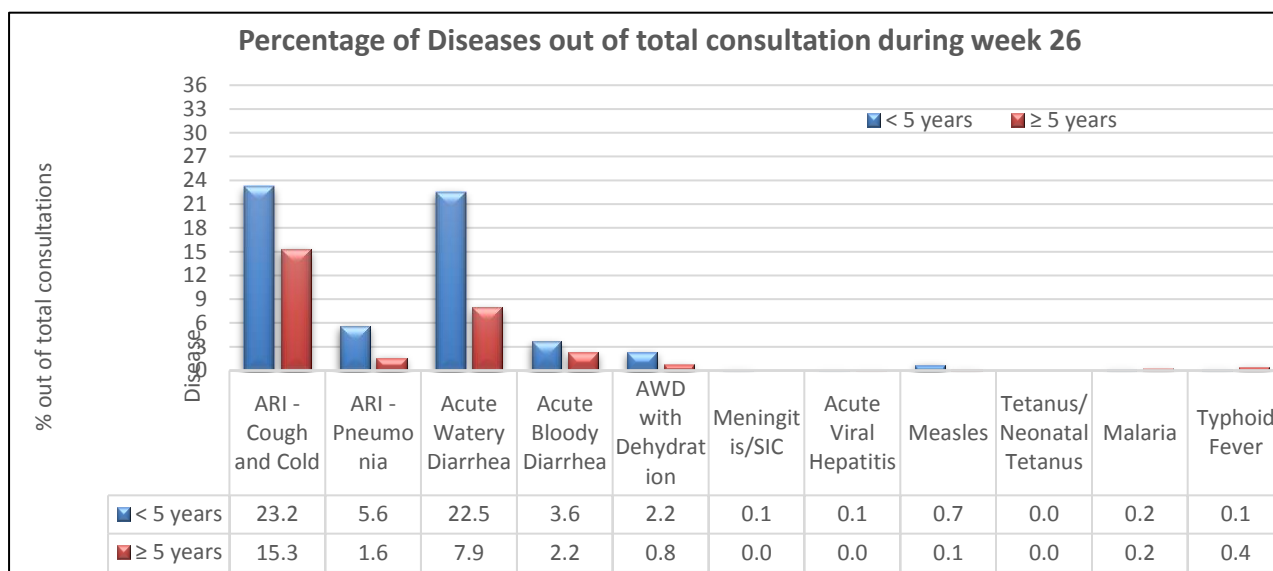


Figure 2: B

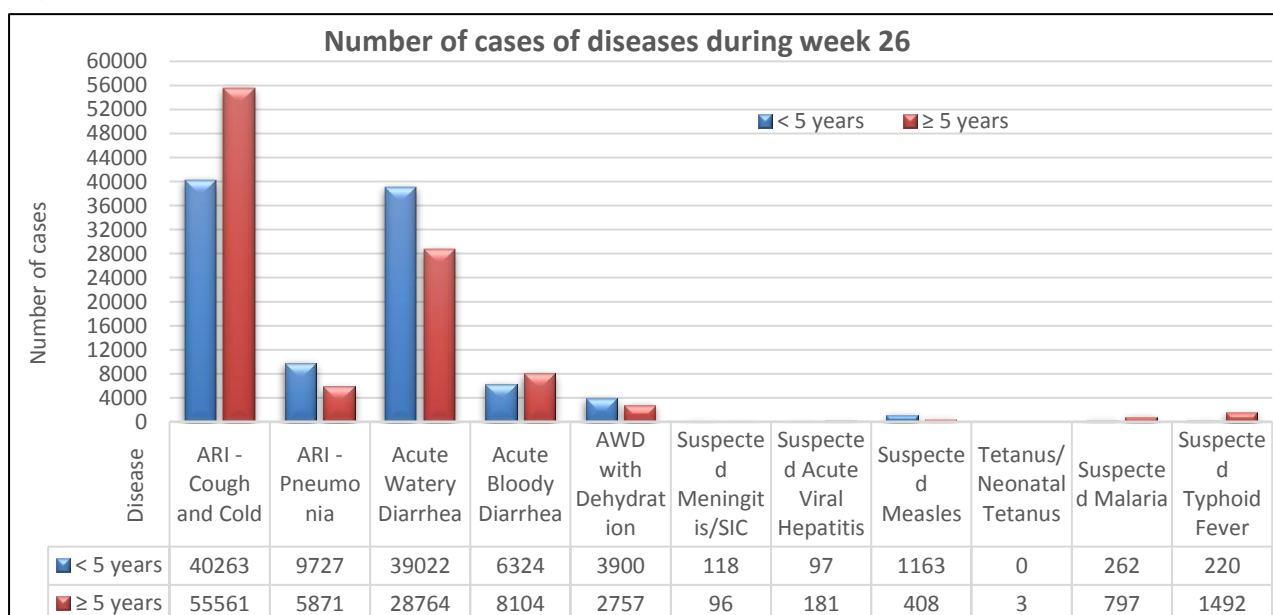


Table 2: Cases and deaths due to VPDs by age group during week 26th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	1163	408	1571	12	0	12	0.76
Tetanus/ Neonatal Tetanus	0	3	3	0	1	1	33.33

Seasonal Diseases:

Figure 3: A

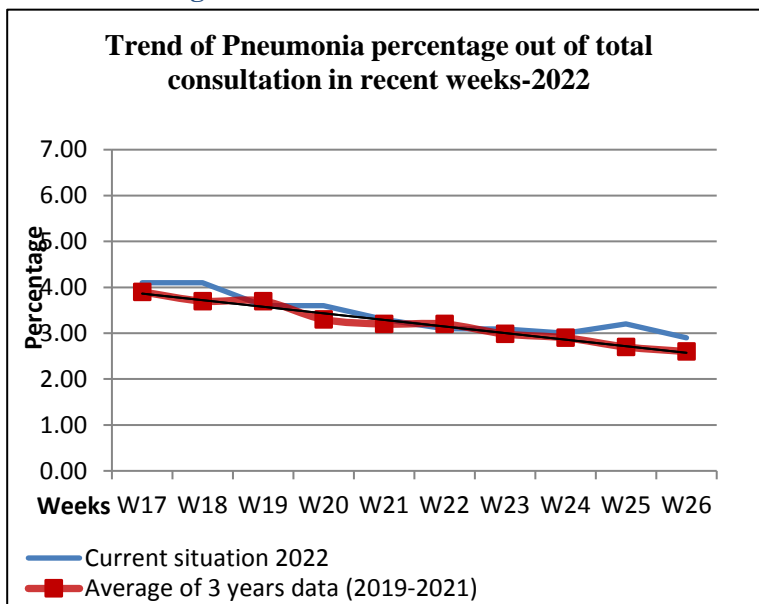


Figure 3: B

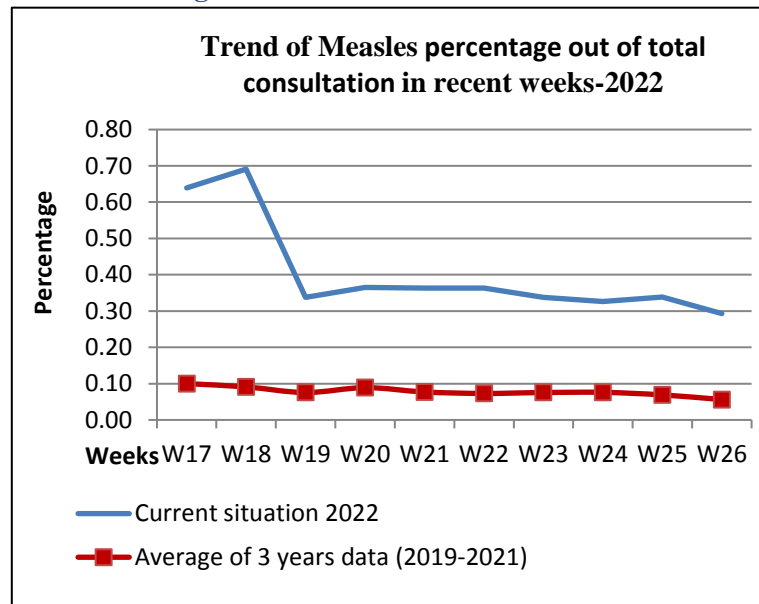


Figure 3: C

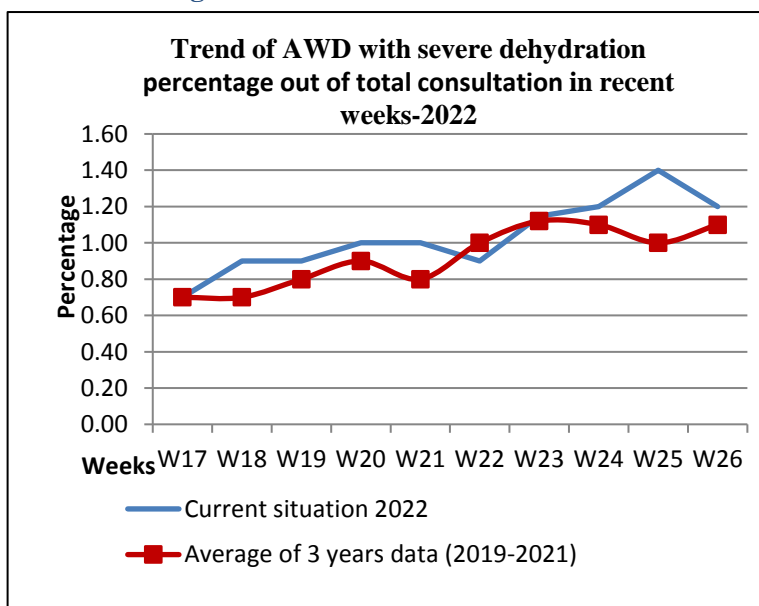


Figure 3: D

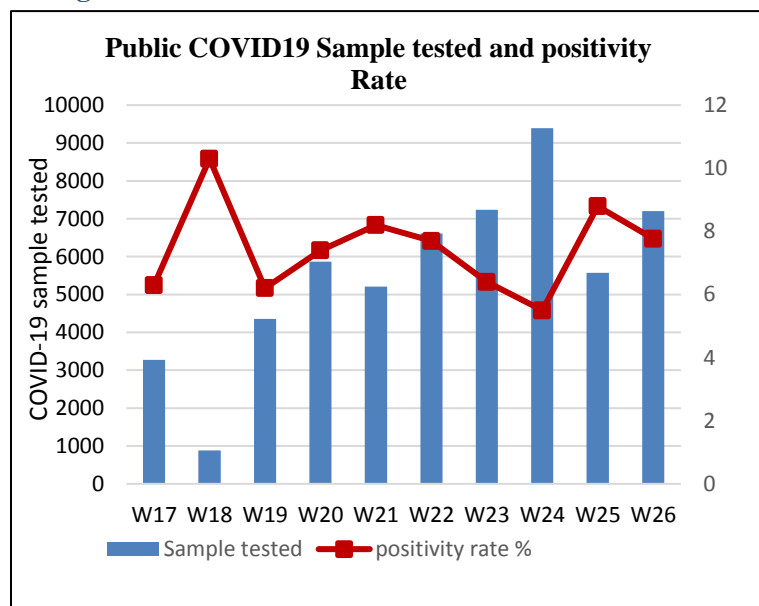


Table 3: Outbreaks in week 26th:

Suspected Measles outbreaks (Kapisa, Zabul, Urozgan, Helmand and Samangan provinces)

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
26/06/2022	Kapisa	Nejrab	Ferozay	5	2	7	0	60%	30%	In this week, 07 suspected Measles outbreaks were reported from Kapisa, Zabul, Urozgan, Helmand and Samangan 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.
26/06/2022	Zabul	Qalat	babaghak	8	3	11	0	97%	26%	
26/06/2022	Urozgan	Gizab	Mo khojja	8	13	21	0	60%	40%	
26/06/2022	Helmand	Nadali	Zarghon	5	6	11	0	60%	30%	
28/06/2022	Helmand	City	lashkarga	3	5	8	0	70%	30%	
27/06/2022	Helmand	Nadali	group 6	2	6	8	0	55%	20%	
29/06/2022	Samangan	Khuram & Sarbagh	Mankabot	7	7	14	0	100%	90%	

Suspected CCHF Cases (Parwan, Kabul, Takhar, Laghman and Balkh Provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
28/6/2022	Parwan	Markaz	Parwan	1	0	28Y	Other	During this week 16 suspected CCHF cases were reported from Parwan, Kabul, Takhar, Laghman, Herat and Balkh 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,
28/6/2022	Kabul	District 8	Kabul	1	0	33Y	Butcher	
28/6/2022	Takhar	Takha	Takhar	1	0	47Y	Other	
28/6/2022	Kabul	Bagrami	Shewaki	1	0	48Y	Other	
28/6/2022	Kabul	Shakardara	Kariz Mir	1	0	50Y	Butcher	
28/6/2022	Kabul	District 10	Bibi Mahroo	1	0	36Y	Butcher	

28/6/2022	Takhar	Takhar	Khwaja Bahauddin	1	0	24Y	Butcher	to take the preventive and control measures.
28/06/2022		Ishkamish	Panjiry	1	0	32Y	housewife	
28/6/2022		Takhar	Ashimkash	1	0	32Y	housewife	
28/6/2022	Laghman	Laghman	Qarghaie	1	0	22Y	housewife	
28/6/2022	Balkh	Mazar	Mir Qasam Jan	1	0	24Y	housewife	
28/6/2022		Charbolak	Charbolak	1	0	46Y	Other	
29/06/2022	Herat	Pushtoon zarghon	Marwa	1	0	65	Farmer	
29/06/2022	Herat	Pushtoon zarghon	Marwa	1	0	52	Farmer	
25/06/2022		City	Aea 12	1	0	20Y	Housewife	
02/07/2022		Injil	khair abad	1	0	80	Other	

Clinical Chickenpox outbreaks from (Baghlan and Samangan provinces)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
26/06/2022	Baghlan	Pulikhomri	Bagh-e-Shamal	4	0	During this week 03 Chickenpox outbreaks were reported from Baghlan and Samangan provinces. Case management was done, health education sessions were conducted for the cases.
02/07/2022		Pulikhomri	Chapi Darya	4	0	
26/06 /2022	Samangan	Aybak city	Khawaja Esmail	15	0	

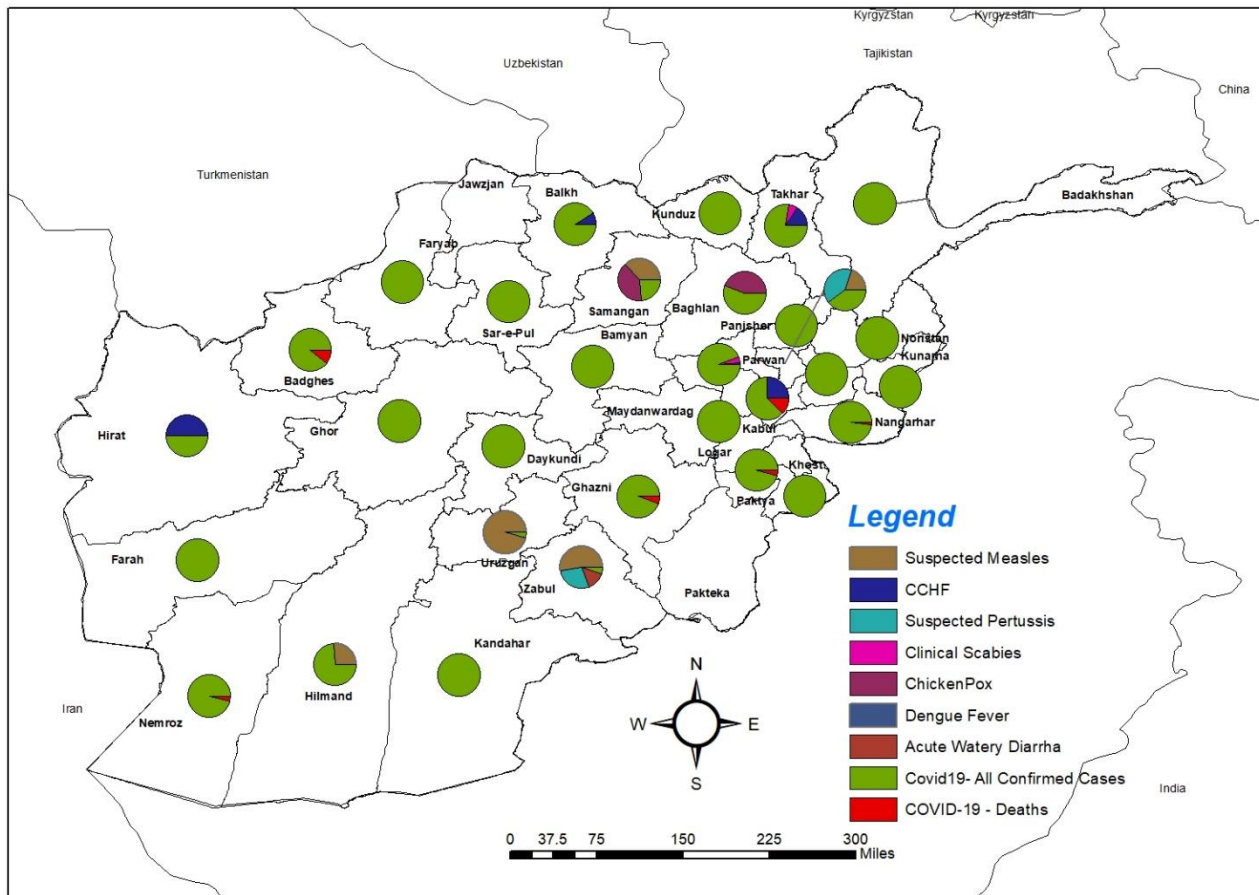
Suspected Pertussis Outbreaks from (Zabul and Kapisa provinces)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
26/06/2022	Zabul	share safa	motay	6	0	During this week 02 Suspected Pertussis outbreaks were reported from Zabul and Kapisa provinces. Case management was done, health education sessions were conducted for all the cases.
28/06/2022	Kapisa	Nejrab	Yasinzay	14	0	
Clinical Scabies Outbreaks (Takhar and Parwan provinces)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
28/06/2022	Takhar	Rustaq	Islam Qala	12	0	During this week 02 clinical Scabies outbreaks were reported from Takhar and Parwan provinces, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted.
29/06/2022	Parwan	Shikh ali	Dara-e-Nerkh	4	0	
AWD outbreak from (Paktika province)						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
30/06/2022	Zabul	siory	shearo	28	0	During this week 01 AWD outbreak was reported from Zabul Province. 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.

Table 4: Updated outbreaks report during 2022 (26 Dec 2021 to 2, July 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	232	105	3,341	101
CCHF	115	8	179	6
Dog bites/Suspected Rabies	13	0	72	0
Pertussis	19	0	108	0
Acute Watery Diarrhea	11	3	650	0
Food poisoning	9	0	277	2
Scabies	10	0	146	0
Chickenpox	13	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	28,218	446
Grand Total	431	117	33209	555

Figure 4: Distributions of COVID-19, CCHF, suspected Measles, Acute Watery Diarrhea, Suspected Pertussis, Clinical Scabies, Chickenpox, cases and deaths during week 26th



Laboratory surveillance:

A total of 8,891 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 566 specimens were confirmed for COVID-19, 85 specimens were confirmed for Measles, 53 specimens were confirmed for Acute Watery Diarrhea, 11 specimens were confirmed for Malaria and 4 specimens were confirmed for Brucellosis in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 26th 2022, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamiyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 144 (4.3%) Severe Acute Respiratory Infections cases were reported and 67% were under 5 years old. The proportion of SARI cases were decreased compared to week 25th 2022. Eight 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 (17%), Kapisa (12%) and Bamiyan (10%). 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, **8,143** specimens were tested for suspected COVID-19. Out of which **566** 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 increased **13.7%** compared to last week.
- Bed occupancy rate (BOR) at the national level was **64.3%**, which decreased 07% compared to last week.
- Out of **1,523** contacts of **379** 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 **62,557** 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, (especially the in Helmand, Kandahar, Ghazni, Paktika, Zabul and Juzjan provinces), more AWD cases are expected in the coming weeks due to huge floods in some provinces of the country.
- 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 **1,651** 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 (Helmand, Kandahar, Paktika, Ghazni, Zabul and Juzjan) and the flood affected 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 **1,651** 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.