

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 22nd

Date: 29/05- 04/06/2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 504 (97.1%) have submitted reports this week.
- A total of 568,149 new consultations, 220,486 (38.8%) were due to Surveillance targeted diseases. That included 116,770 males (53%) and 103,716 females (47%). Also, 107,496 (48.8%) under five years old and 112,990 (51.2%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 108,876 cases (19.2%) out of total new consultations, Acute Diarrheal Diseases 85,189 cases (15%) out of total new consultations, and Pneumonia, 17,776 cases (3.1%) out of total new consultations.
- A total of 224 deaths were reported this week, of which 51 deaths (22.7%) were due to Surveillance targeted diseases deaths, which include 25 Pneumonia deaths, 08 COVID-19 deaths, 07 Suspected Measles deaths, 02 Acute Watery Diarrhea (AWD) deaths, 02 Acute Watery Diarrhea (AWD) with Dehydration deaths, 02 suspected Meningitis/ Severely Ill Child deaths, 02 Suspected Hemorrhagic Fever deaths, 03 Pregnancy-related deaths.
- A total of **2,078** Measles suspected cases with **07** deaths were reported in this week.
- In addition, during this week 19 outbreaks (14 **Suspected CCHF** outbreaks were reported from Kapisa, Paktika, Farah, Nangarhar, Herat and Balkh provinces, 02 **Suspected Measles** outbreaks were reported from Daykundi and Jawzjan provinces, 01 **Suspected Chickenpox** outbreak was reported from Ghor province, 01 **Scabies** outbreak was reported from Wardak province. and 01 **Suspected Rabies/ Dog bites** outbreak was reported from Parwan province.
- Moreover, **512** COVID-19 confirmed cases were reported at the national level.

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

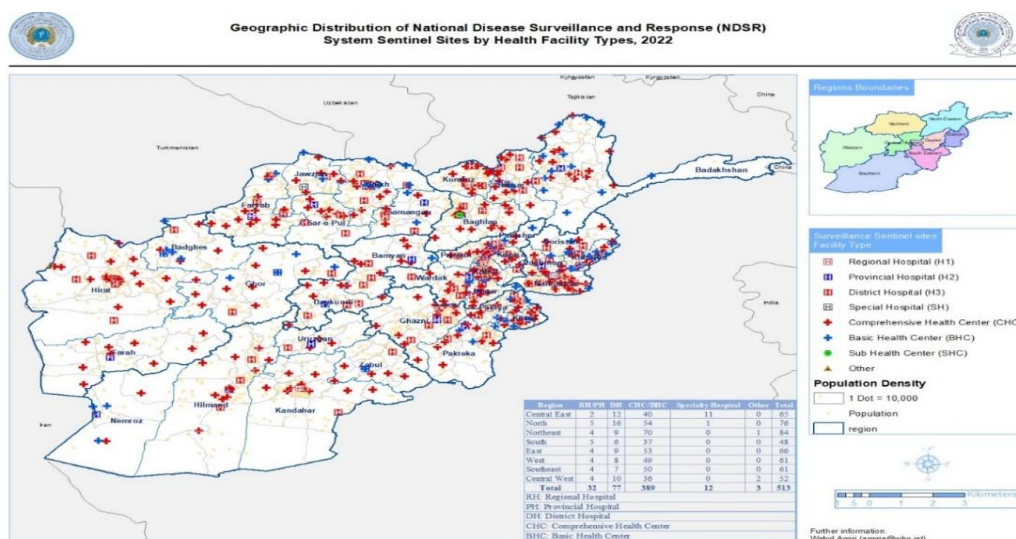


Table 1: Coverage of NDSR Surveillance System

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

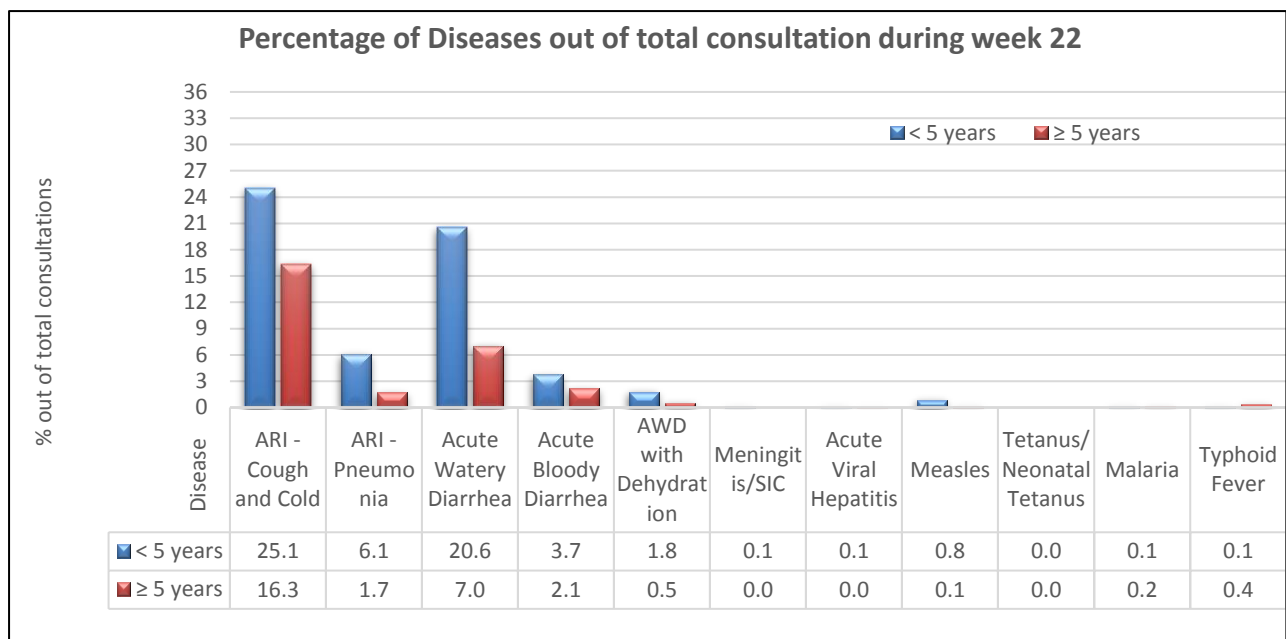


Figure 2: B

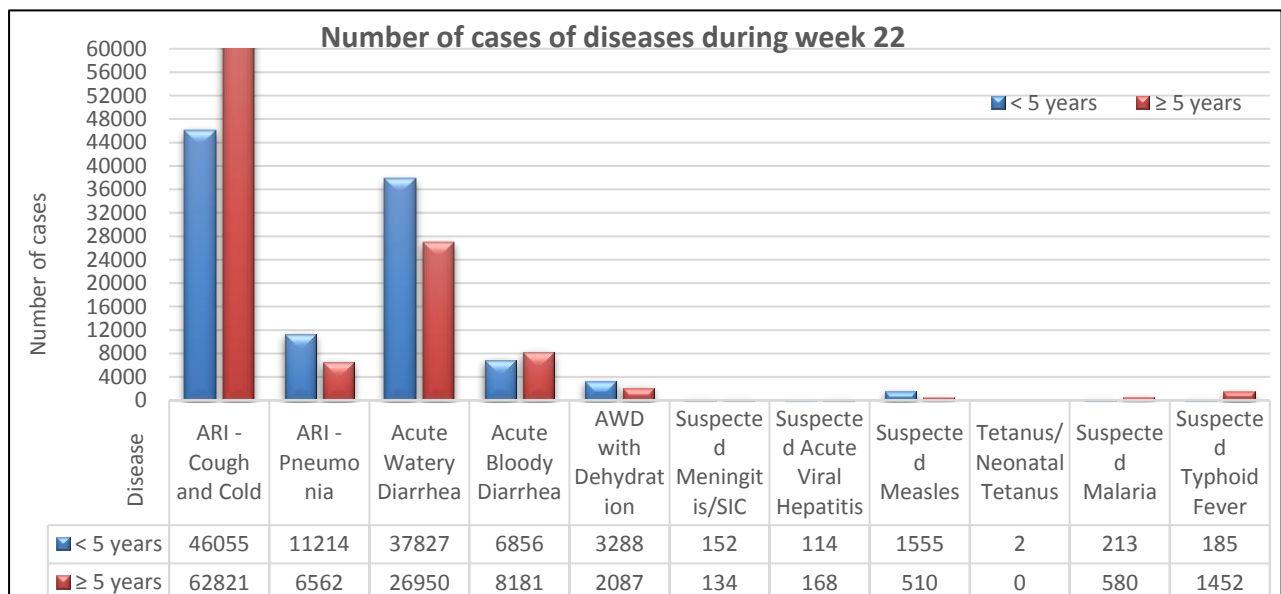


Table 2: Cases and deaths due to VPDs by age group during week 22nd, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	1555	510	2065	7	0	7	0.34

Seasonal Diseases:

Figure 3: A

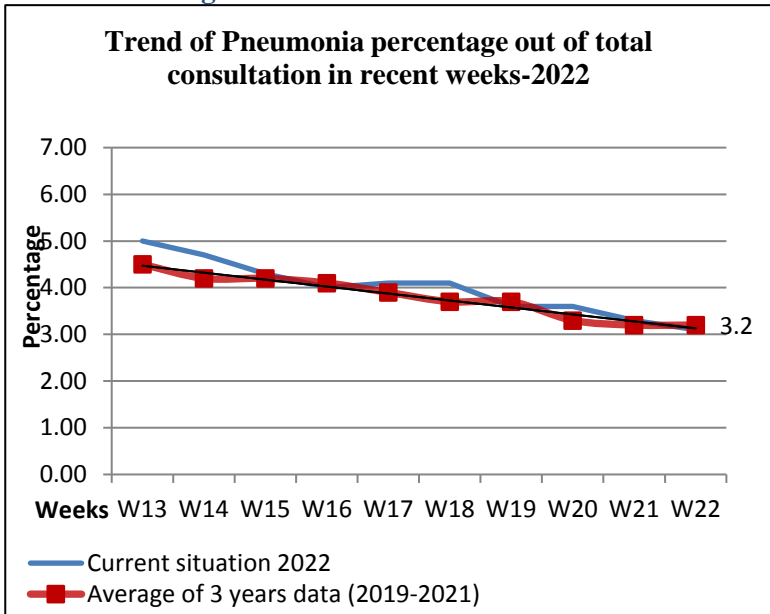


Figure 3: B

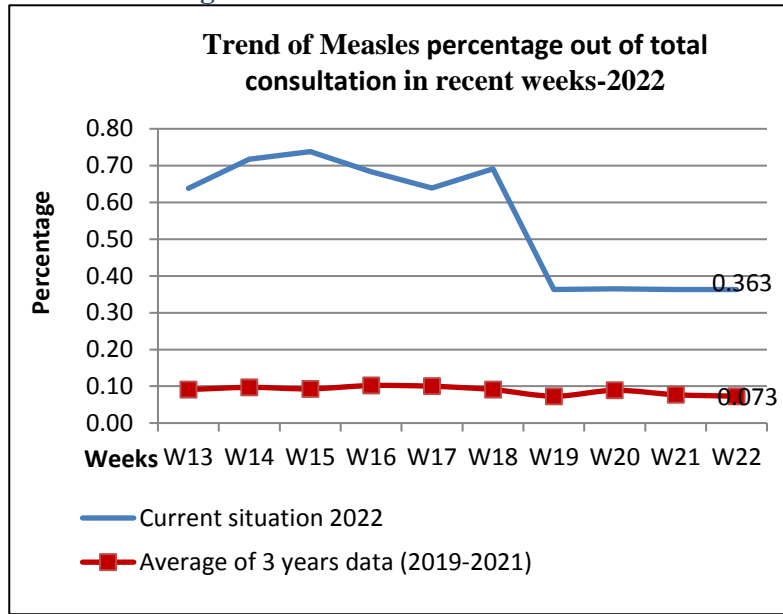


Figure 3: C

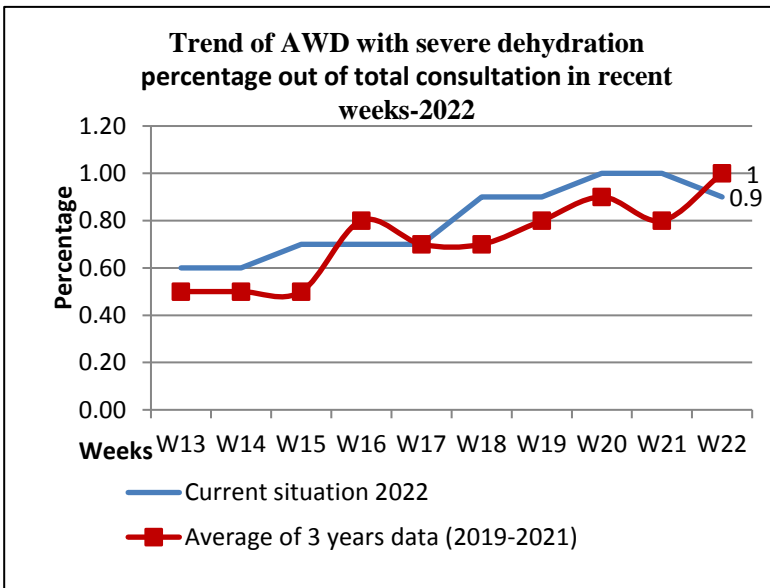


Figure 3: D

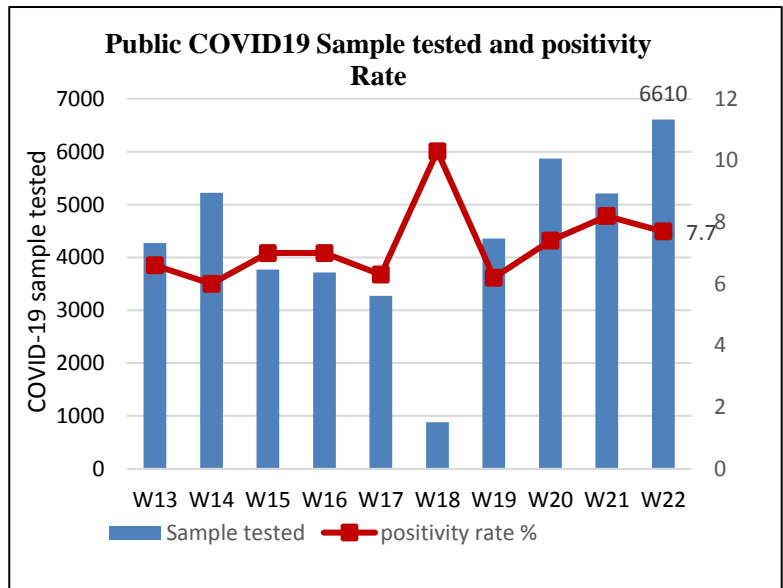


Table 3: Outbreaks in week 22nd:

Suspected Measles outbreaks (Daykundi and Jawzjan provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Report ed	Assess ed	
29/05/2022	Daykundi	Kitty	Temran valley	1	5	6	0	06%	95%	In this week, 02 suspected Measles outbreaks were reported from Daykundi and Jawzjan 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.
31/05/2022	Jawzjan	Aqcha	Bish arigh	6	1	7	0	86%	73%	

Suspected CCHF cases (Kapisa, Paktika, Farah, Nangarhar, Herat and Balkh Provinces)									
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupatio n	Recommendation/Actio n taken	
30/05/2022	Kapisa	Hisae Doom	Jamal Agha	1	1	35	House wife	During this week 14 suspected CCHF cases were reported from Kapisa, Paktika, Farah, Nangarhar, 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, to take the preventive and control measures.	
30/05/2022	Paktika	Zarghoon Shar	Baqi Khil	1	0	28	House wife		
30/05/2022	Kabul	District 8	Hashmatkhan	1	0	21	House wife		
30/05/2022	Farah	Fararood	Barzaw	1	0	16	Other		
02/06/2022	Nangarhar	Rodat	Kabul Camp	1	0	40	Butcher		
01/06/2022	Balkh	Mazar-i-Sharif	Dashti Shor	1	0	65	Other		
01/06/2022		Daidadi	Hazar Jereb	1	0	42	Other		
30/05/2022	Herat	Sirwan	Pashton Zarghon	1	0	45	Farmer		
31/05/2022		Karkaso	Kohsan	1	0	60	Farmer		

30/05/2022		Akhond Zada	Karokh	1	0	27	Farmer
01/06/2022		Darb Kandahar	Herat City	1	0	27	Other
29/05/2022		Toniun	Pashton Zarghon	1	0	33	Farmer
31/05/2022		Airport	Gozarh	1	0	50	Farmer

Suspected Chickenpox outbreak from (Ghor province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
01/06/2022	Ghor	Taywara	Dahtay	6	0	During this week 01 Suspected Chickenpox outbreak was reported from Ghor province. Case management was done, health education session was conducted

Clinical Scabies Outbreak (Wardak province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
29/05/2022	Wardak	Central	Abraham khil	7	0	During this week one clinical Scabies outbreak was reported from Wardak province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.

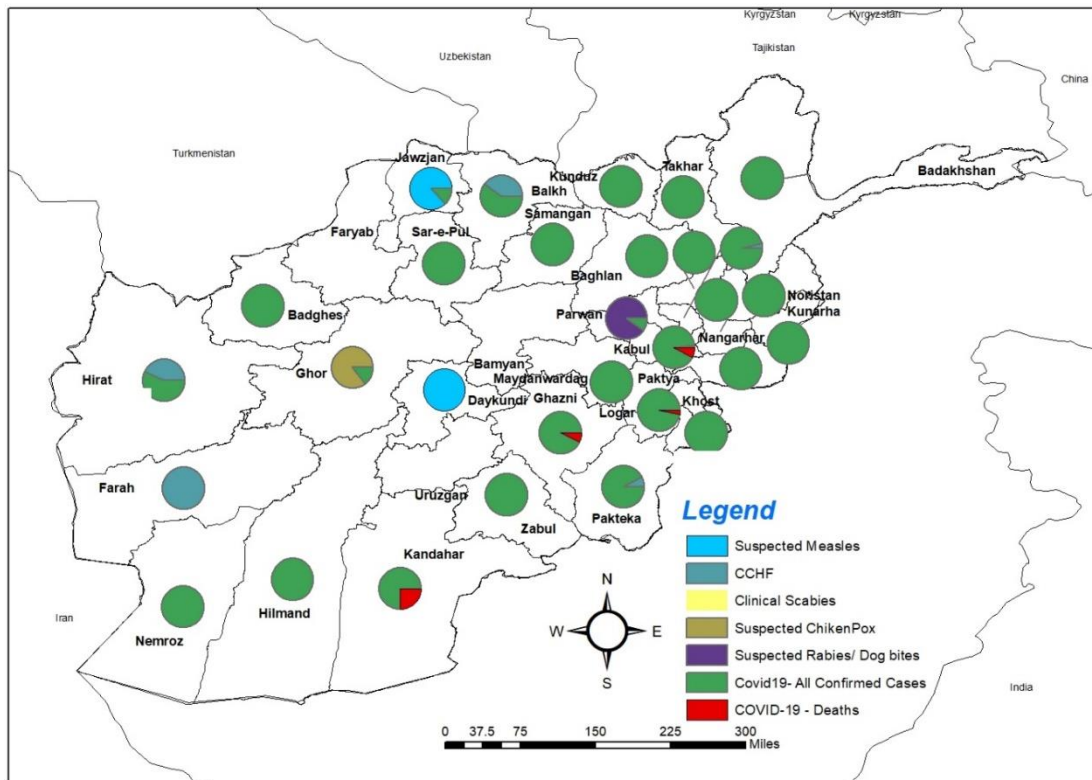
Suspected Rabies / Dog bites Outbreak (Parwan province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
29/5/2022	Parwan	Siagerd	Bahadur khan khail	9	0	During this week, 01 Suspected Rabies/ Dog bites outbreak was reported from Parwan province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted. Moreover, investigation team cut the head of the dogs and shifted to Kabul for lab confirmation.

Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 06, Jun 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	216	105	3,154	101
CCHF	64	8	64	6
Dog bites/Suspected Rabies	12	0	68	0
Pertussis	10	0	52	0
Acute Watery Diarrhea	7	3	168	0
Food poisoning	5	0	210	2
Scabies	5	0	78	0
Chickenpox	8	0	60	0
Leishmaniasis	2	0	56	0
Cat bite suspected rabies	1	0	4	0
Mumps	1	0	9	0
Diphtheria	1	0	1	0
Pneumonia	1	0	25	0
COVID-19	1	1	27,133	439
Grand Total	334	117	31082	548

Figure 4: Distributions of COVID-19, CCHF, suspected Measles, suspected Chickenpox, Suspected, and Dog bites and Clinical Scabies cases and deaths during week 22nd



Laboratory surveillance:

A total of 8,643 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 512 specimens were confirmed for COVID-19, 92 specimens were confirmed for Measles, 14 specimens were confirmed for Malaria, 14 specimens were confirmed for Acute Watery Diarrhea and 04 specimens were

confirmed for CCHF, 02 specimens were confirmed for Scabies in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 22nd 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, 166 (4.4%) Severe Acute Respiratory Infections cases were reported and 63% were under 5 years old. The proportion of SARI cases were decreased as compared to week 21st 2022. Thirteen SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (17%), Kabul and Baghlan (13%) province. 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, **7,679** specimens were tested for suspected COVID-19. Out of which **512** 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 **12%** compared to last week.
- Bed occupancy rate (BOR) at the national level was **52.7%**, which decreased 1.9% compared to last week.
- Out of **1,412** contacts of **344** 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 **51,443** 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 outbreak in Kandahar province)
- Suspected chickenpox and CCHF cases are in the increasing trend
- Suspected Measles cases and outbreaks are in the increasing trend compared to previous year (in this week 2,078 measles cases and 07 deaths were reported).
- Shortage of lab samples collection consumables for AWD/suspected cholera in majority of the provinces.

Recommendations:

- Strong efforts and control measure are needed in Kandahar provinces for the control of AWD outbreak.
- Lab support is needed to distinguish the current cases coming to the HFs under the name of suspected monkeypox and suspected chickenpox cases
- Measles vaccination campaigns are needed to be conducted based on the outbreaks reported and also the routine vaccination coverage need to be improved
- Urgent supply of lab sample collection and testing kits for AWD is recommended and lab sample collection capacity needs to be strengthened and expanded to all the districts and surveillance sentinel sites.
 - **EPI:** As the system detected **2,078** suspected Measles cases, with **07** 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.