

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 18th

Date: 01-07 /05 / 2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 497 (95.8%) have submitted reports this week.
- A total of 359,172 new consultations, 133,714 (37.2%) were due to Surveillance targeted diseases. That included 70,273 males (52.6%) and 63,441 females (47.4%). Also, 66,732 (49.9%) under five years old and 66,982 (50.1%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 65,924 cases (18.4%) out of total new consultations, Acute Diarrheal Diseases 47,268 cases (13.2%) out of total new consultations and Pneumonia, 14,663 cases (4.1%) out of total new consultations.
- A total of 202 deaths were reported this week, of which 54 deaths (26.7 %) were due to Surveillance targeted diseases deaths, which includes 38 Pneumonia deaths, 10 Suspected Measles deaths, 02 Acute Watery Diarrhea (AWD) deaths, 02 COVID-19 deaths and 02 Suspected Meningitis/ Severely Ill Child deaths.
- A total of **2,483** Measles suspected cases with **10** deaths were reported in this week.
- In addition, during this week 11 outbreaks (09 Suspected **CCHF** outbreaks were reported from Takhar, Herat, Badghis, Kabul, Parwan, Baghlan and Ghazni provinces, one **Food poisoning** outbreak was reported from Kandahar province and one **suspected pertussis** outbreak was reported from Zabul province.
- Moreover, **97** COVID-19 confirmed cases reported at national level.

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

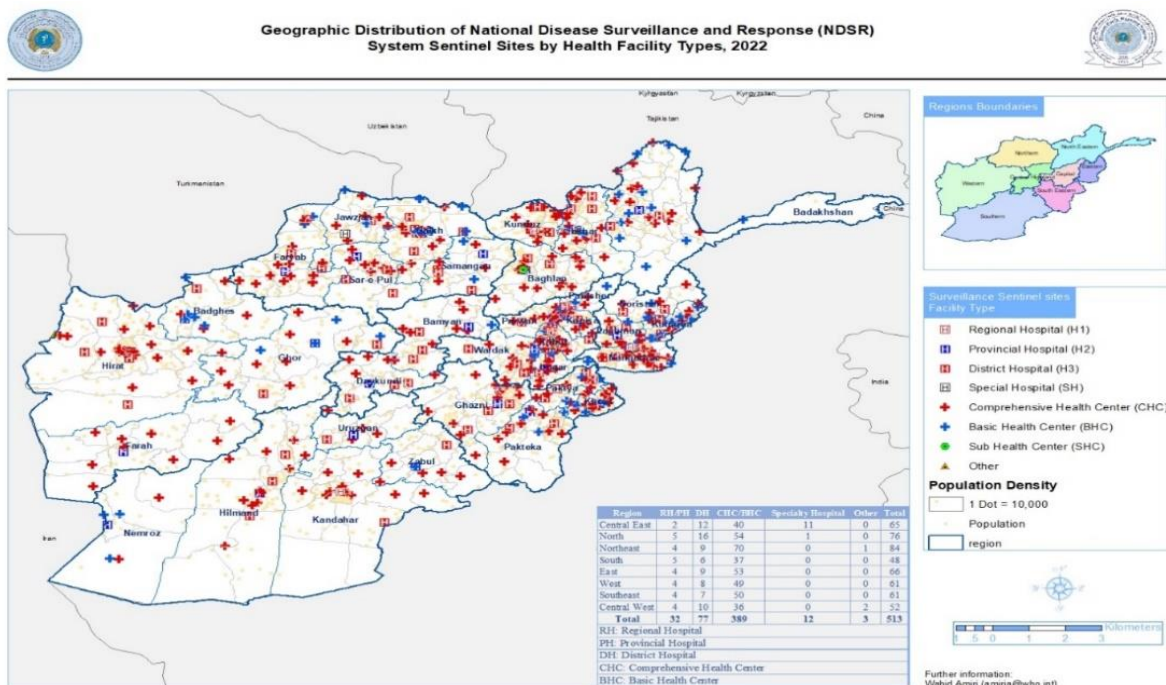


Table 1: Coverage of NDSR Surveillance System

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

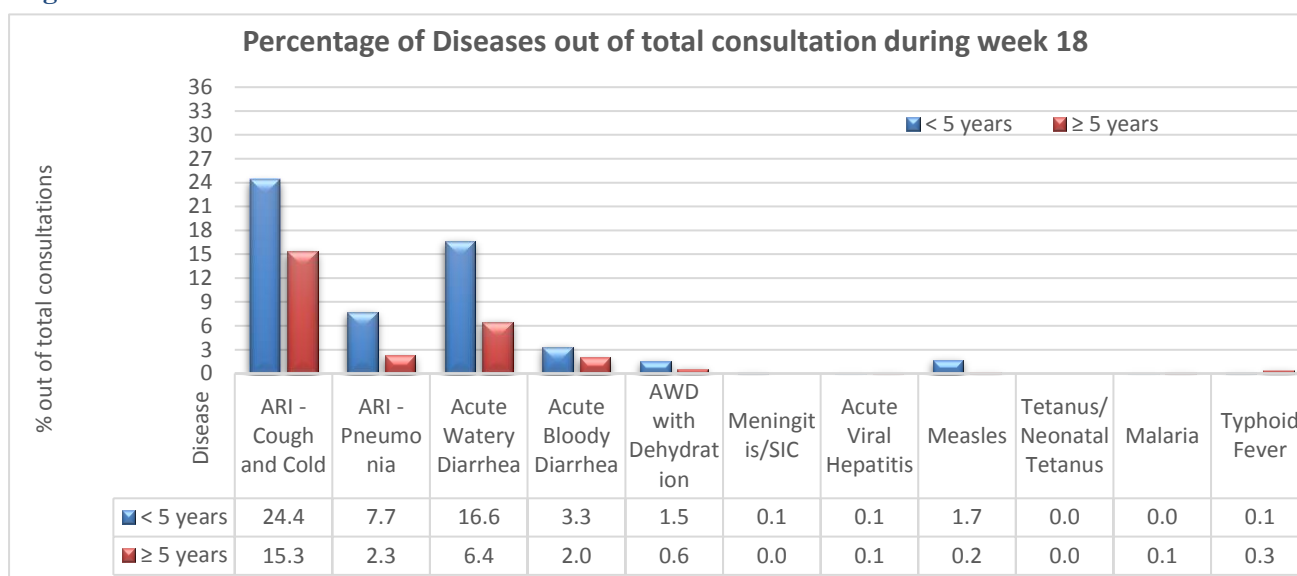


Figure 2: B

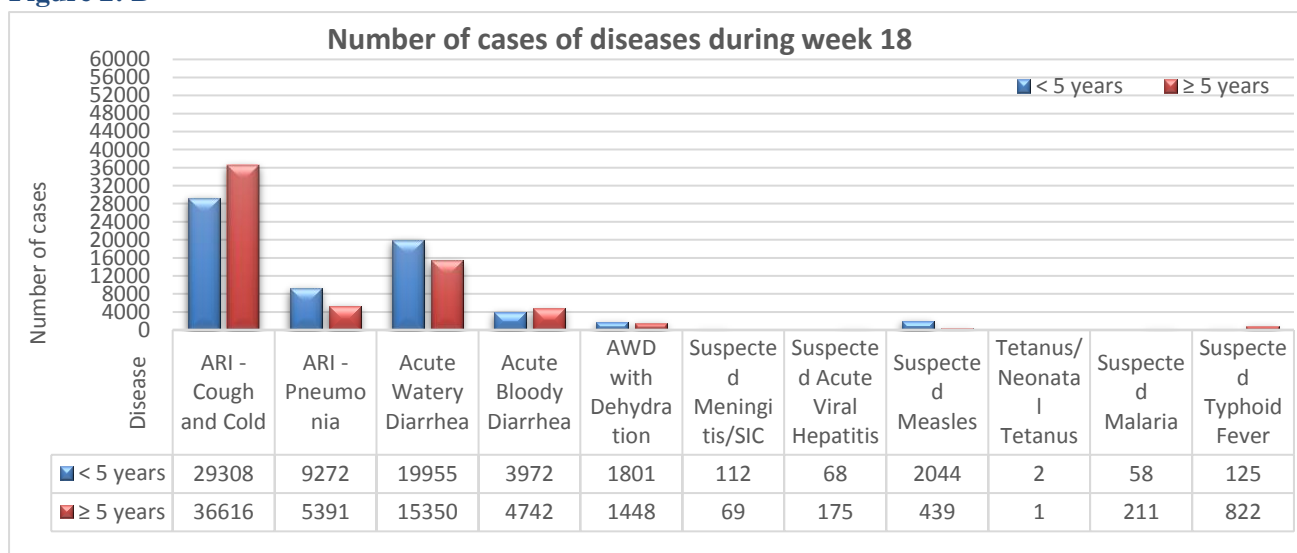


Table 2: Cases and deaths due to VPDs by age group during week 18th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	2044	439	2483	10	0	10	0.40

**Seasonal Diseases:
Figure 3: A**

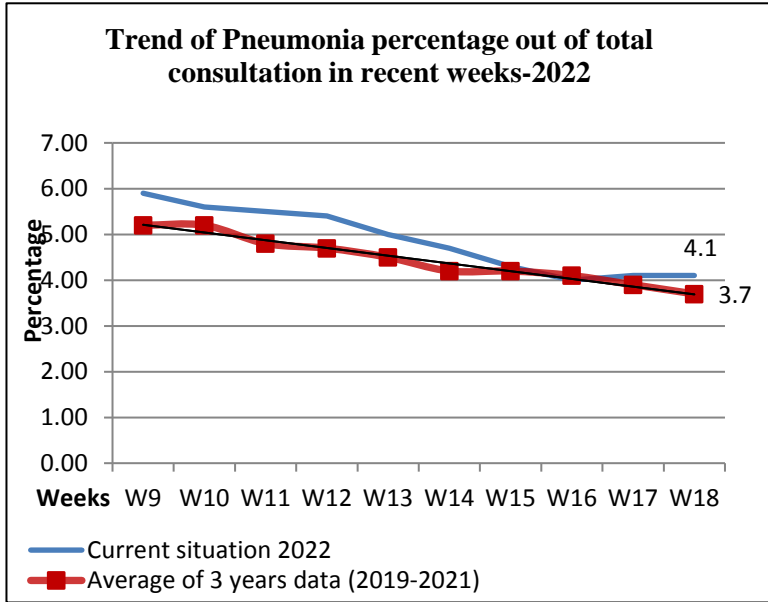


Figure 3: B

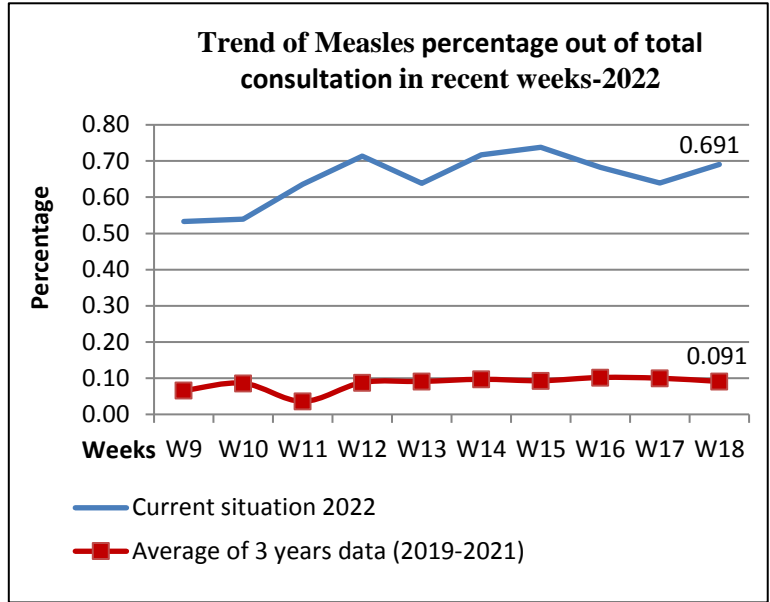


Figure 3: C

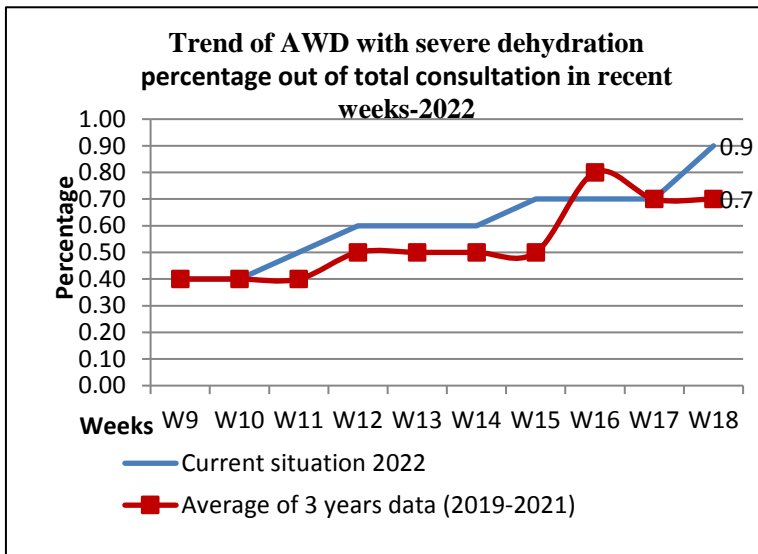


Figure 3: D

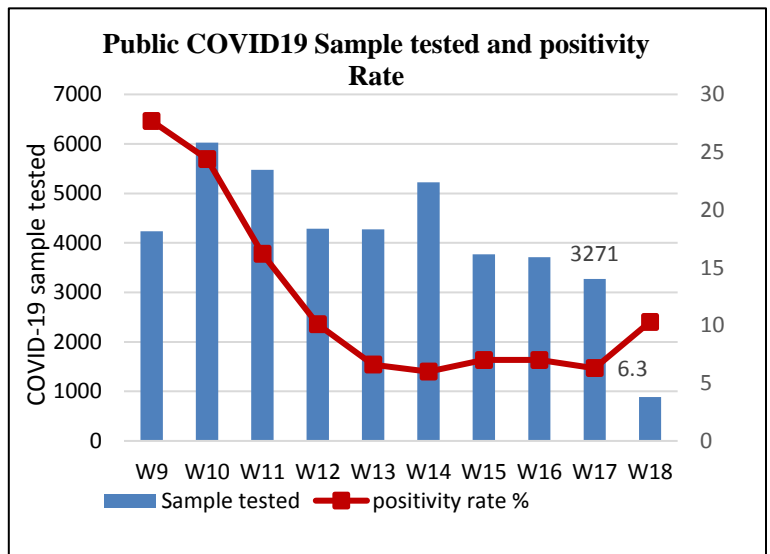


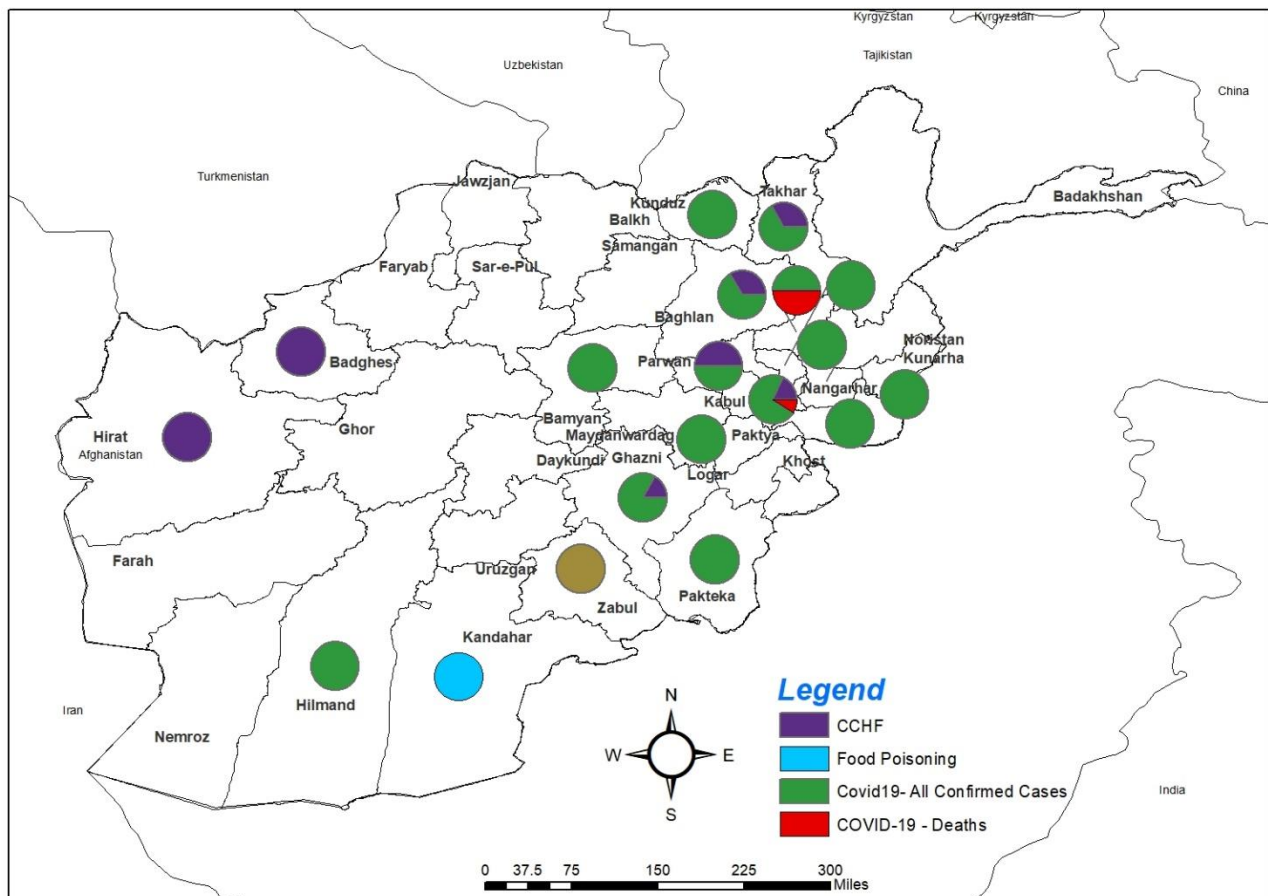
Table 3: Outbreaks in week 18th:

Suspected CCHF cases (Takhar, Herat, Badghis, Kabul, Parwan, Baghlan and Ghazni Provinces)								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
04/05/2022	Takhar	Khenjan	Khenjan	1	0	30Y	Butcher	During this week 09 suspected CCHF cases were reported from Takhar, Herat, Badghis, Kabul, Parwan, Baghlan, Ghazni provinces. Case management were done, health education sessions were conducted and the information was shared with related departments and animal health as well, to take the control and preventive measures.
06/05/2022	Herat	Gulran	Qarabaq	1	0	33Y	Farmer	
06/05/2022		Robat sangi	Shabab	1	0	15Y	Other	
06/05/2022	Badghis	Morghab	Zapokan	1	0	14Y	Shepherd	
03/05/2022	Kabul	Bagrami	Shiwaki	1	0	23Y	Housewife	
03/05/2022		Paghman	Zarghar Dara	1	0	31Y	Butcher	
03/05/2022	Parwan	JabalSiraj	Mia Shams	1	0	34Y	Farmer	
03/05/2022	Baghlan	Polikhumri	Park Shams	1	0	17Y	Farmer	
03/05/2022	Ghazni	Markaz	Sahibaban	1	0	55Y	Farmer	
Suspected Pertussis outbreaks from (Zabul provinces)								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
01/05/2022	Zabul	Qalat	Hawili	06	0	During this week 01 Pertussis outbreak was reported from Zabul province. Case management was done, health education sessions were conducted for all the cases.		
Food poisoning outbreak (Kandahar Province)								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
03/05/2022	Kandahar	Khakriz	Zarak	42	0	During this week 01 Food poisoning outbreak was reported from Kandahar province. Case management was done, health education sessions were conducted for all the cases.		

Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 07, May, 2022)

Disease/Event	Count of Disease/Event	Sum of total Cases	Sum of Lab_Confirm	Sum of Total Deaths
Measles	197	2857	191	100
CCHF	31	31	2	3
Dog bites/Suspected Rabies	8	46	0	0
Pertussis	6	23	0	0
Food poisoning	4	113	0	2
Scabies	3	56	0	0
Chickenpox	2	10	0	0
Leishmaniasis	2	56	0	0
Diphtheria	1	1	0	0
Mumps	1	9	0	0
Pneumonia	1	25	1	0
COVID-19	1	25441	1	415
Grand Total	257	28668	195	584

Figure 4: Distributions of COVID-19, CCHF and Food poisoning cases and deaths during week 18th



Laboratory surveillance:

A total of 2,097 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 97 specimens were confirmed for COVID-19, 06 specimens were confirmed for Measles and 02 specimens were confirmed for Malaria in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 18th 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, 03 (3.7%) Severe Acute Respiratory Infections cases were reported and 55% were under 5 years old. The proportion of SARI cases were decreased as compared to week 17th 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 Kapisa (33%) Baghlan (12%) and Balkh (05%) per province. In this epi-week, our field staff shipped 21 SARI and 16 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **1,452** specimens were tested for suspected COVID-19. Out of which 97 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 **53.8 %** compared to last week, (in majority of the provinces we had testing kits shortage this week).
- Bed occupancy rate (BOR) at the national level was **40.3 %**, which increased 0.1 % compared to last week.
- Out of **206** contacts of **77** confirmed cases that were mostly family members with an average of 2.7 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 **26,009** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

Challenges:

- Diarrheal diseases and CCHF cases are in the increasing trend
- Suspected Measles cases and outbreaks are in the increasing trend (in this week 2,483 measles cases and 10 deaths were reported).
- No mandatory reporting of Measles and other priority diseases and outbreaks from all the health facilities (public and private)
- Shortage of lab samples collection consumables and testing kits in majority of the provinces have strongly decreased the number of tests.

Recommendations:

- Preventive measures for AWD and CCHF cases should be improved in the community and HFs levels.
- Measles vaccination campaigns are needed to be conducted based on the outbreaks reported and also the routine vaccination coverage need to be improved
- Measles and all surveillance priority diseases outbreaks should be reported by all health facilities including private HFs
- Urgent supply of lab sample collection and testing kits for COVID-19 is recommended and lab testing capacity needs to be strengthened and expanded to all the provinces.
 - **EPI:** As the system detected **2,483** suspected Measles cases, with **10** 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.