

National Disease Surveillance & Response (NDSR)

NDSR Weekly Epidemiological Report 17th

Date: 24-30 /04 / 2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 466 (89.8%) have submitted reports this week.
- A total of 423,547 new consultations, 166,863 (39.4%) were due to Surveillance targeted diseases. That included 89,081 males (53.4%) and 77,782 females (46.6%). Also, 84,211 (50.5%) under five years old and 82,652 (49.5%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 88,940 cases (21%) out of total new consultations, Acute Diarrheal Diseases 53,502 cases (12.6%) out of total new consultations and Pneumonia, 17,320 cases (4.1%) out of total new consultations.
- A total of 186 deaths were reported this week, of which 44 deaths (23.6 %) were due to Surveillance targeted diseases deaths, which includes 30 Pneumonia deaths, 08 Suspected Measles deaths, 01 Acute Bloody Diarrhea death, 01 Acute Watery Diarrhea (AWD) with Dehydration death, 01 Suspected Acute Viral Hepatitis death, 01 CCHF deaths, 01 COVID-19 deaths and 01 Pregnancy-related death.
- A total of **2,770** Measles suspected cases with **08** deaths were reported in this week.
- In addition, during this week 14 outbreaks (06 **Measles** outbreaks were reported from Balkh, Samangan, Khost, Ghazni, Helmand and Parwan provinces) (07 Suspected **CCHF** outbreaks were reported from Kabul , Parwan, Laghman Faryab and Balkh provinces. And one **Rabies** outbreak was reported from Kapisa provinces.
- Moreover, **210** COVID-19 confirmed cases reported at national level.

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

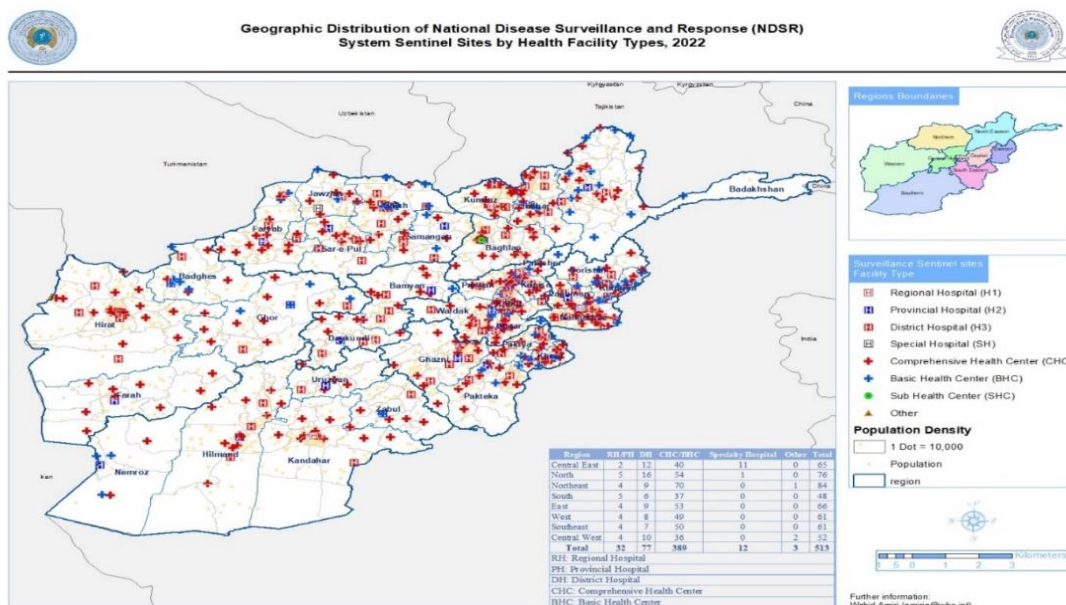


Table 1: Coverage of NDSR Surveillance System

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

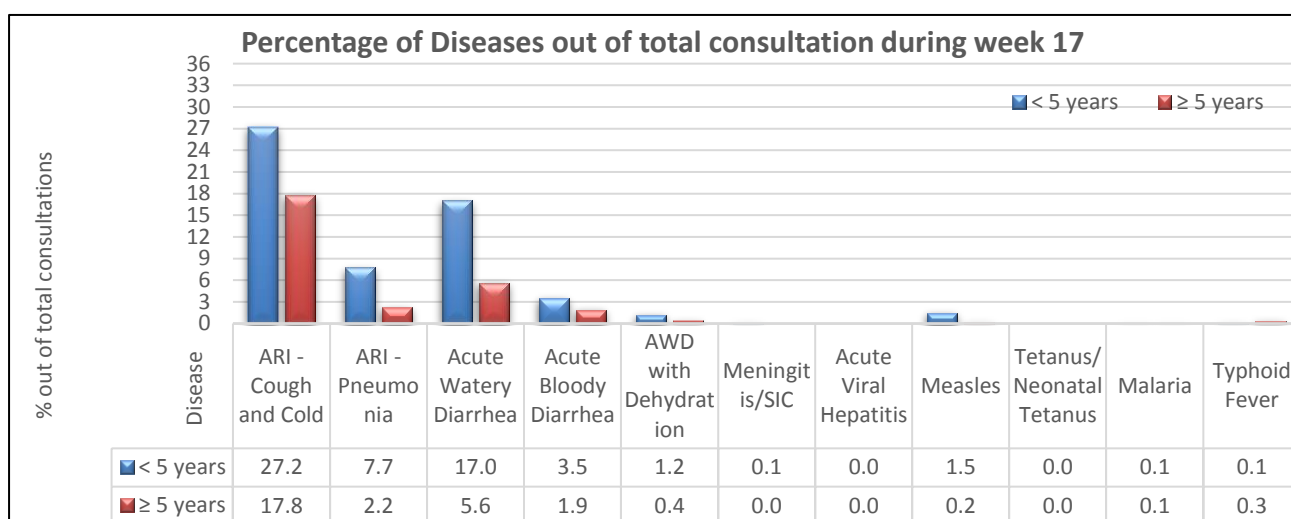


Figure 2: B

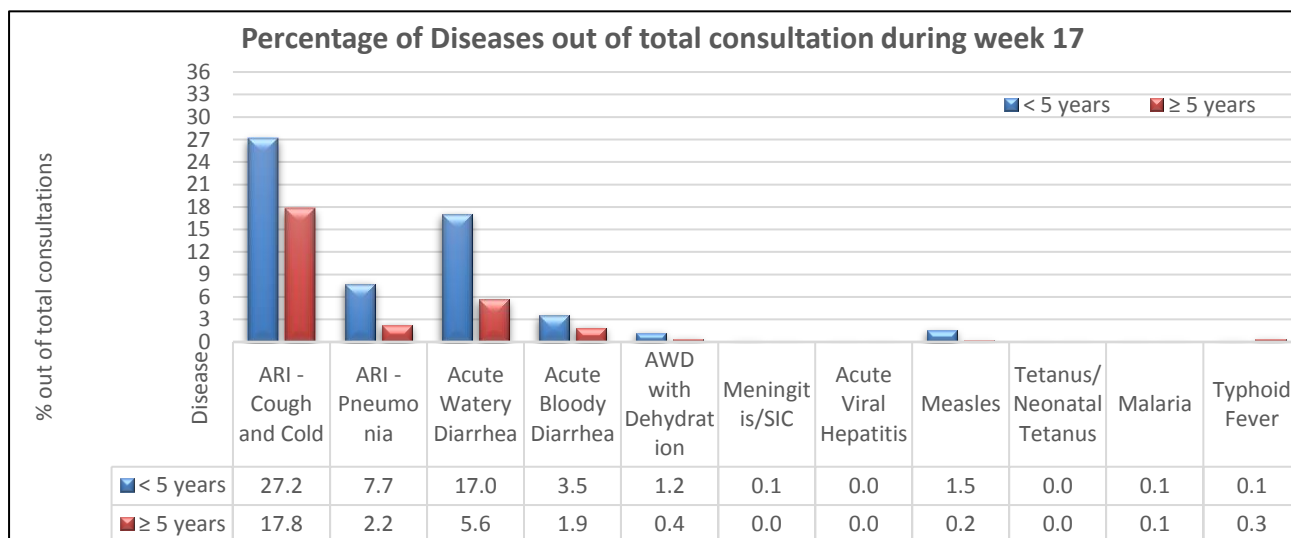


Table 2: Cases and deaths due to VPDs by age group during week 17th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	2147	559	2706	8	0	8	0.30

Seasonal Diseases:

Figure 3: A

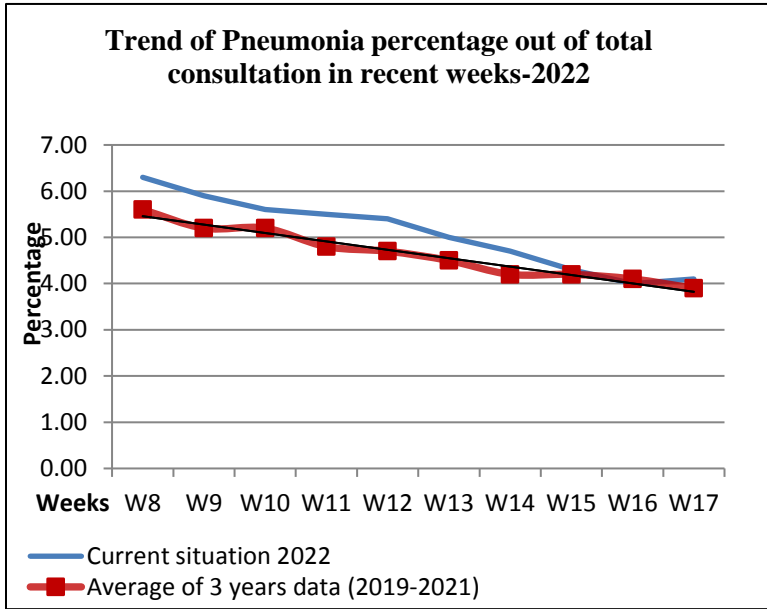


Figure 3: B

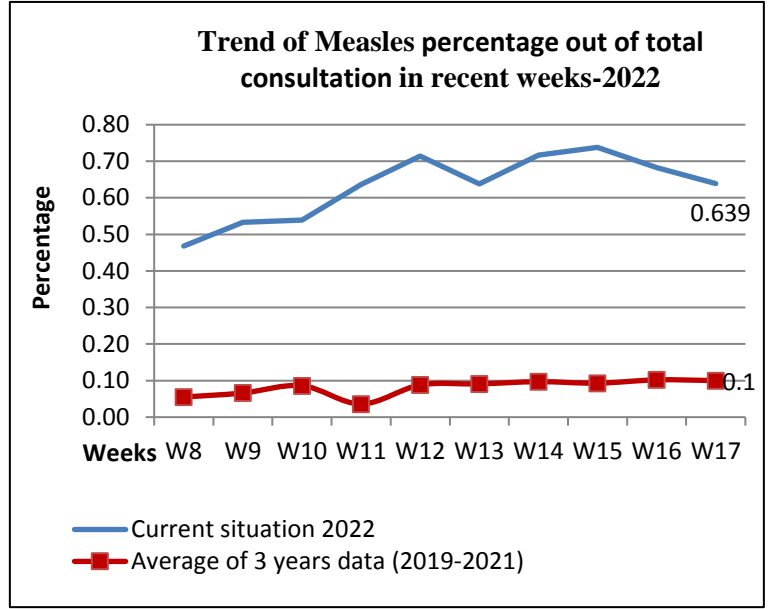


Figure 3: C

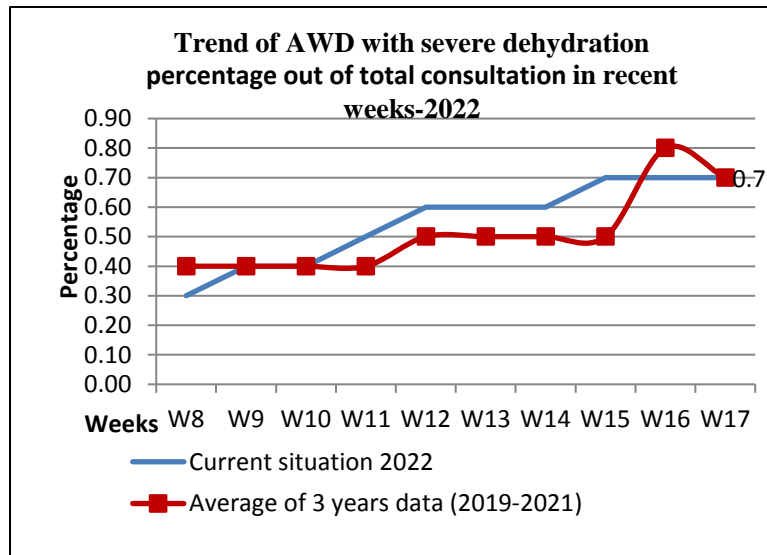


Figure 3: D

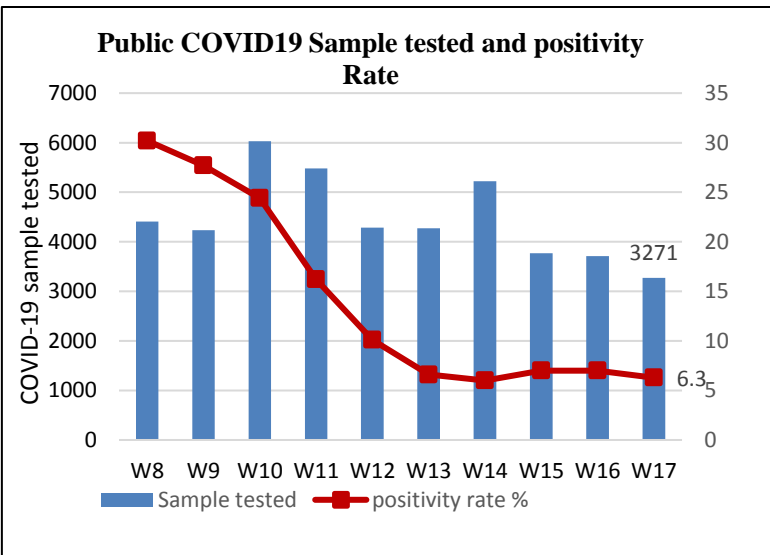


Table 3: Outbreaks in week 17th:

Suspected Measles outbreaks (Balkh, Samangan, Khost, Ghazni, Helmand and Parwan provinces)										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
26/04/2022	Balkh	Khulm	Haji Nasir Khan	6	8	14	0	98%	98%	In this week, 06 suspected Measles outbreaks were reported from Balkh, Samangan, Khost, Ghazni, Helmand and Parwan provinces. The outbreaks were investigated, case management was done for all the outbreaks and 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.
26/04/2022	Samangan	Aybak city	Dar-e-Zendan	4	2	6	0	65%	35%	
23/04/2022	khost	Maton	Wachakwara	3	2	5	0	56%	32%	
23/04/2022	Ghazni	Jagori	Barak.Ghara	10	11	21	0	AN	70%	
24/04/2022	Helmand	Marjha	Block A2	6	4	10	0	89%	35%	
24/04/2022	Parwan	Shinwari	Kafshan	4	4	8	0	0%	0.38	
24/04/2022	Parwan	Shinwari	Kafshan	4	4	8	0	0%	0.38	
Suspected CCHF cases (Nangarhar, Kabul , Parwan, Laghman Faryab and Balkh Provinces)										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
25/04/2022	Nangarhar	Jalalabad	Sorkhroud Dawlatzia	1	01	30	Bucher	During this week 07 suspected CCHF cases were reported from Nangarhar, Kabul, Parwan, Laghman Faryab and Balkh 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.		
26/04/2022	Kabul	Gul Dara	Jahal	1	0	32	Housewife			
26/04/2022		Qarabagh	karizee	1	0	17	Bucher			
26/04/2022	Parwan	Sayed Khilo	Oshto Kar	1	0	16	Housewife			
27/04/2022	Laghman	Markaz	Markaz	1	0	16	Bucher			
26/04/2022	Faryab	Maimana	Nawabad	1	0	22	Animal dealer			
26/04/2022	Balkh	Mazari Sharif	Balkh Bastan	1	0	13	Shopkeeper			

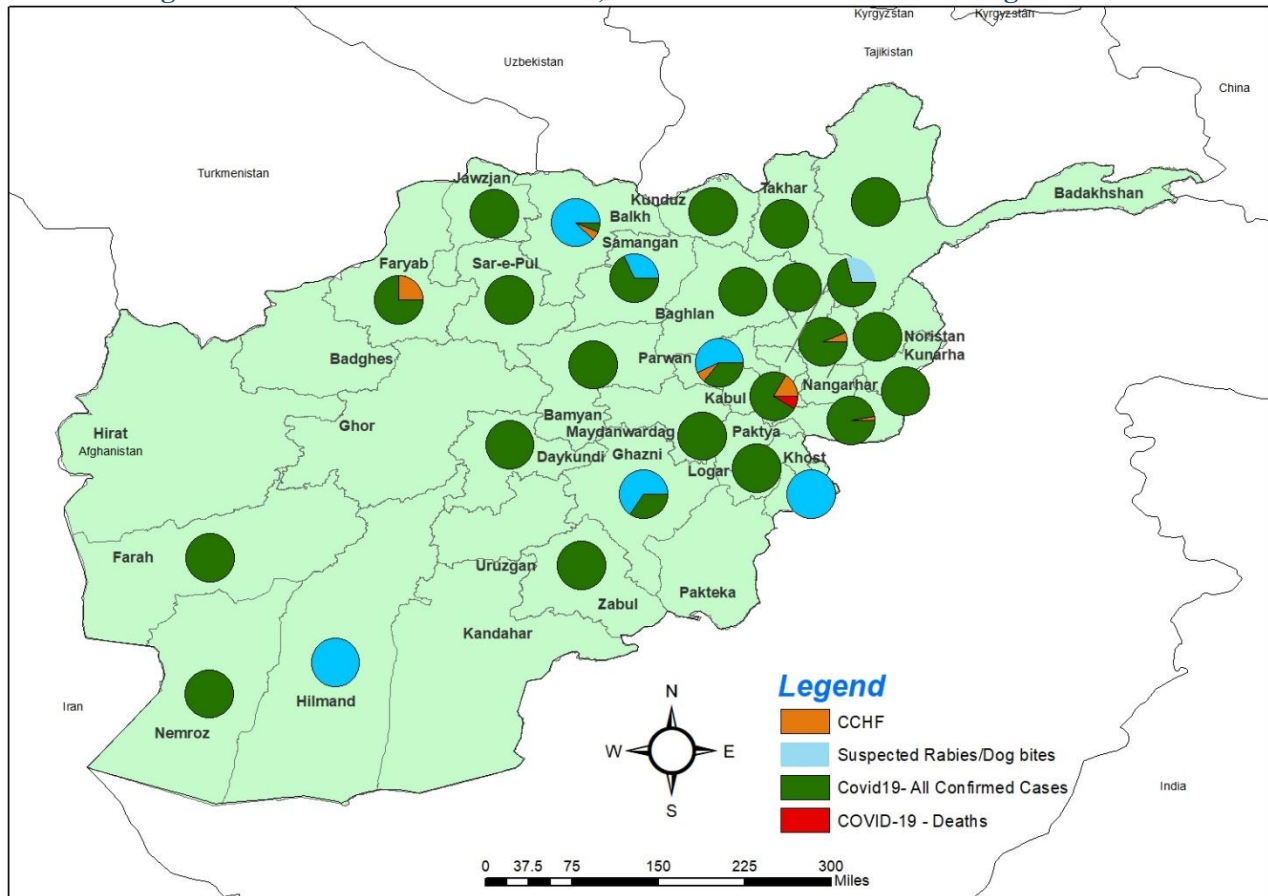
Suspected Rabies / Dog bites Outbreak (Kapisa province)

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/ Action take
29/04/2022	Kapisa	Nejrab	Charsofa	2	0	During this week, one Suspected Rabies/ Dog bites outbreak was reported from Kapisa province, the outbreaks were 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 30, April, 2022)

Disease/Event	Count of Disease/Event	Sum of total Cases	Sum of Lab_ Confirm	Sum of Total Deaths
Measles	197	2857	191	164
CCHF	22	22	15	3
Dog bites/Suspected Rabies	8	46	7	0
Pertussis	5	17	5	0
Food poisoning	3	71	3	2
Scabies	3	56	3	0
Chickenpox	2	10	2	0
Leishmaniasis	2	56	2	0
Diphtheria	1	1	1	0
Mumps	1	9	1	0
Pneumonia	1	25	1	0
COVID-19	1	25344	1	413
Grand Total	246	28514	232	582

Figure 4: Distributions of COVID-19, Measles cases and deaths during week 17th



Laboratory surveillance:

A total of 4,283 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 210 specimens were confirmed for COVID-19 and 02 specimens confirmed for CCHF in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 17th 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, 164 (5.3%) Severe Acute Respiratory Infections cases were reported and 57% were under 5 years old. The proportion of SARI cases were increased as compared to week 16th 2022. Twelve 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 (38%) Kabul (19%) and Baghlan and Bamyan (11%) per province. In this epi-week, our field staff shipped 25 SARI and 18 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, 4,219 specimens were tested for suspected COVID-19. Out of which 210 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 were decreased **21.1 %** compared to last week, (in majority of the provinces we had testing kits shortage in this week).
- Bed occupancy rate (BOR) at the national level was **40.2 %**, which decreased 9.3 % compared to last week.
- Out of **359** contacts of **101** confirmed cases that were mostly family members with an average of 3.6 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 **54,866** 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 **2,770** measles cases and 08 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 **2,770** suspected Measles cases, with **08** 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.