



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–13th

Date: 28 March to 03 April 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 475(92.6%) have submitted reports this week.
- A total of 434,063 new consultations, 163,594 (37.7%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 10,4183 cases, 24% out of total new consultations, Pneumonia, 21,124 cases, 4.9% out of total new consultations and Acute Diarrheal Diseases, 35,581 cases, 8.3% out of total new consultations.
- A total of 212 deaths were reported this week, of which 54 were due to Surveillance targeted diseases, which includes 40 Pneumonia deaths, 07 Measles deaths, 04 Meningitis deaths, 02 Acute Diarrheal Diseases deaths and 01 Pregnancy-related death.
- A total of 11 outbreaks reported this week; of which 08 Measles outbreaks reported from Zabul, Urozghan, Balkh, Hirat, Farah, Badakhshan and Paktika provinces and 02 CCHF cases reported from, Balkh and Herat provinces, 01 Dog bite/suspected Rabies outbreak reported from Parwan province, Also 398 COVID-19 confirmed cases reported countrywide.

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

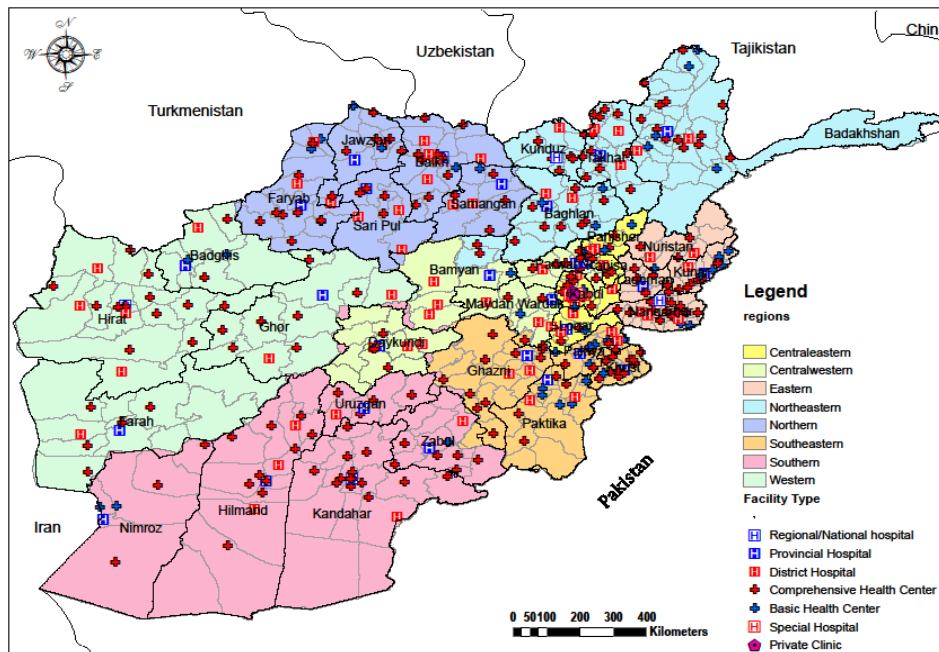


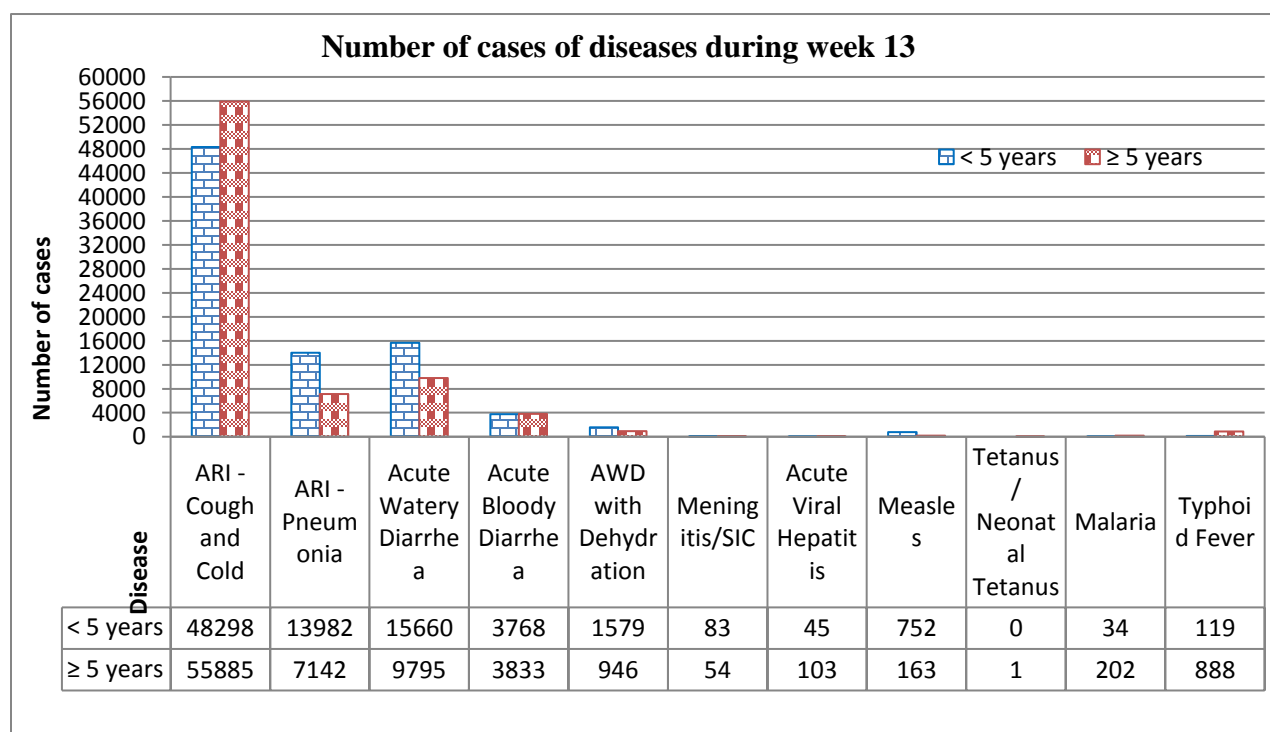
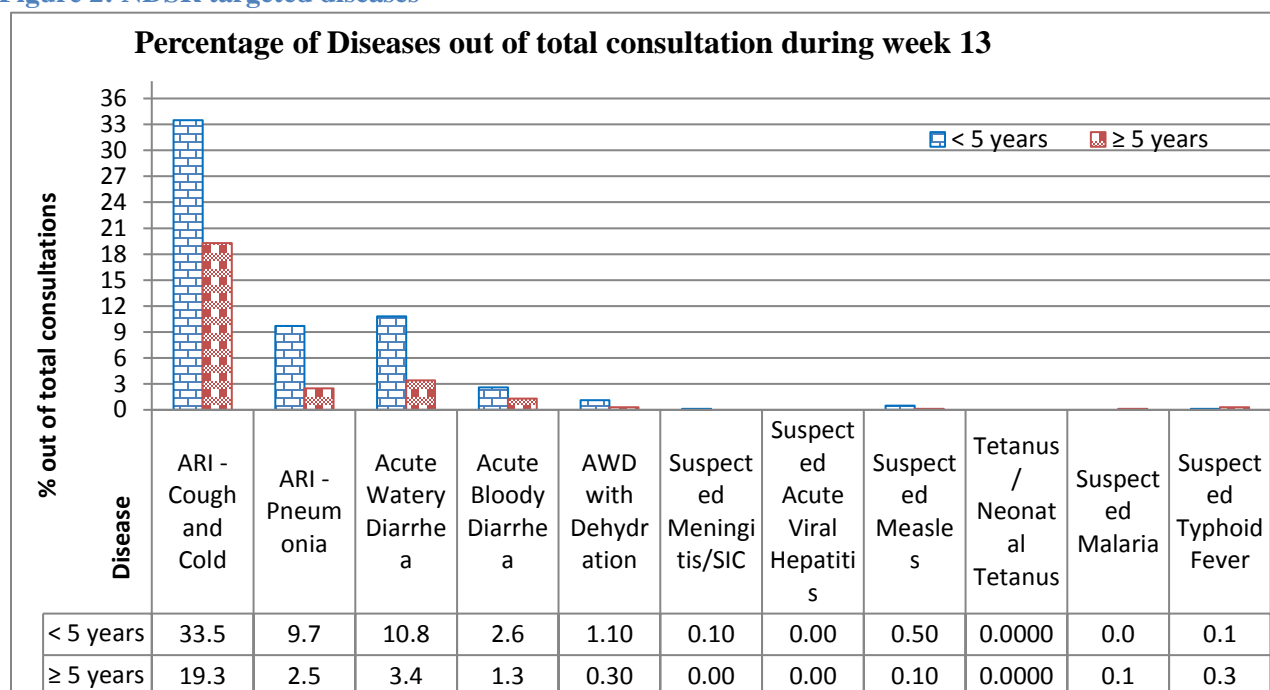
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	3,718
HF covered by NDSR-Plus	32	77	389	12	3	513

Indicator - based Surveillance:

The Indicator-based surveillance component of NDSR report 16 priority conditions/infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and the corresponding week 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: NDSR targeted diseases

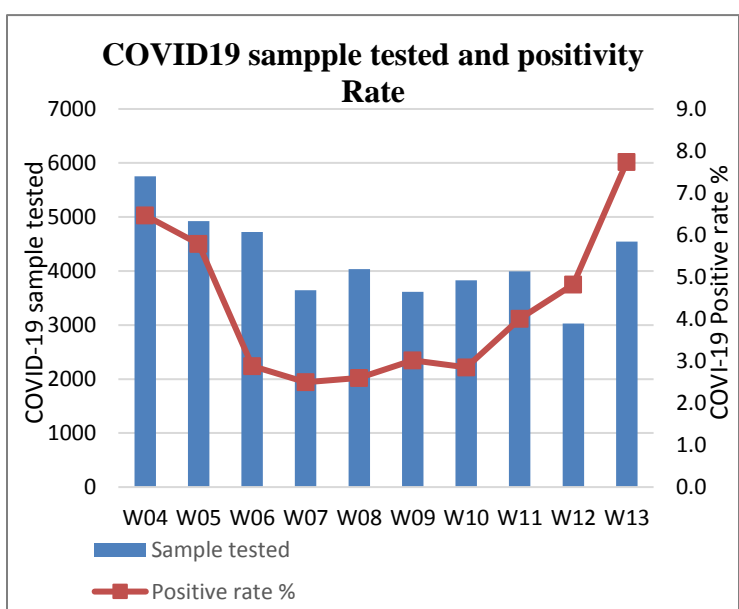
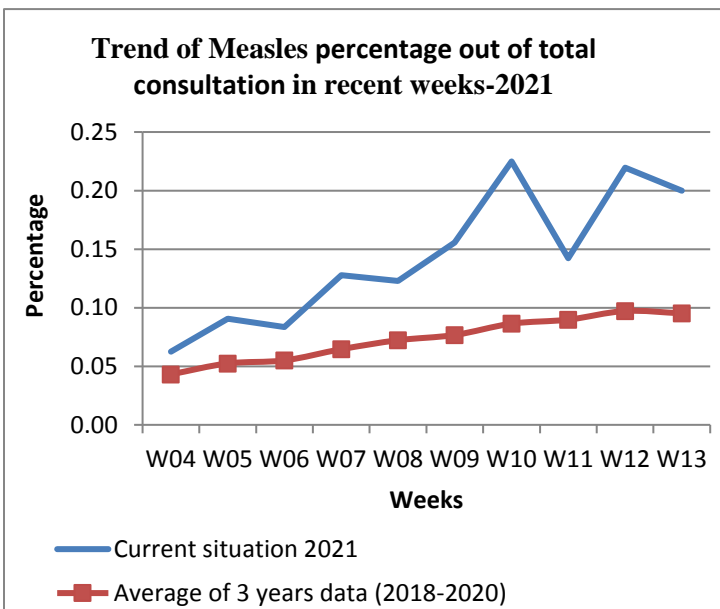
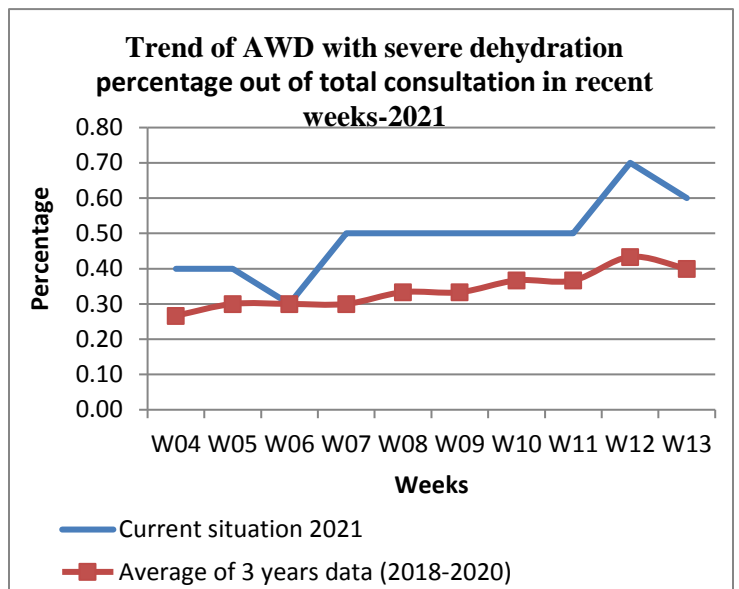
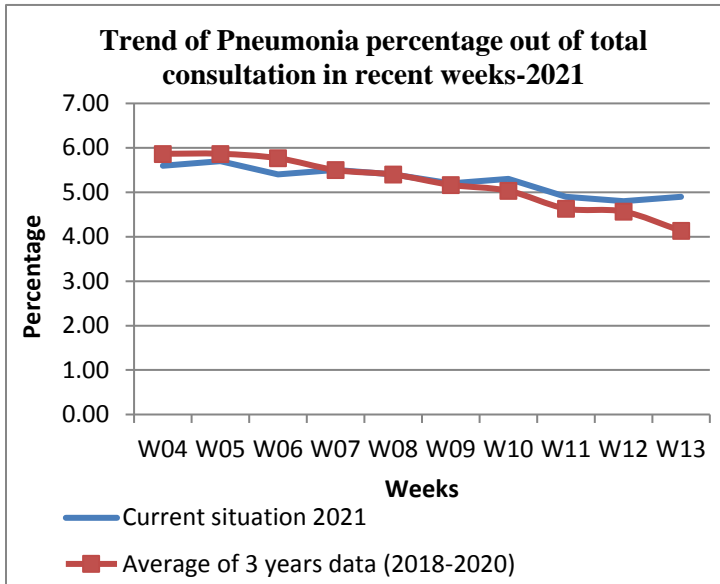


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 13th 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	752	163	915	7	0	7	0.77
Neonatal tetanus	0	1	1	0	0	0	0.00

Seasonal Diseases:



During week 13th total of (11) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Suspected Measles Outbreak									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Recommendation/Action take
28 March 2021	Zabul	Qalat	Atagharo	8	2	10	0	17 %	In this week 08 Measles outbreaks were reported from Zabul, Urozghan, Balkh, Herat, Farah, Badakhshan and Paktika provinces. The outbreaks were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education sessions were conducted.
30 March 2021	Urozghan	Chora	Ashazi	6	5	11	0	30 %	
31 March 2021	Urozghan	Chora	Sarab	5	4	9	1	40 %	
27 March 2021	Balkh	Balkh District	Balkh	9	1	10	0	74 %	
28 March 2021	Hirat	Injil	Maslakh	3	3	6	0	85 %	
28 March 2021	Farah	Center of Farah	Koragaz	7	7	14	0	50 %	
29 March 2021	Badakhshan	Raghashtan	Khonler	31	6	37	0	NA	
30 March 2021	Paktika	Sharan	Tarwaki	8	2	10	1	NA	
Suspected CCHF cases									
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take	
30 March 2021	Balkh	Balkh district	Balkh	1	0	75 Y	Other	During this week 02 suspected CCHF cases were reported from Balkh and Herat provinces, the cases had probable contact with animals or the tissues of the infected animal, case management was done for all the cases and health education sessions were conducted. No death was reported from CCHF in this week	
31 March 2021	Hirat	Khoshk-e-kona	Khoshk-e-kona	1	0	40 Y	Housewife		
Dog bite / Suspected Rabies Outbreak									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
03 March 2021	Parwan	Charikar	Jangal bagh	9	0	In this week one suspected Dog bite /Suspected Rabies outbreak was reported from Parwan province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted.			

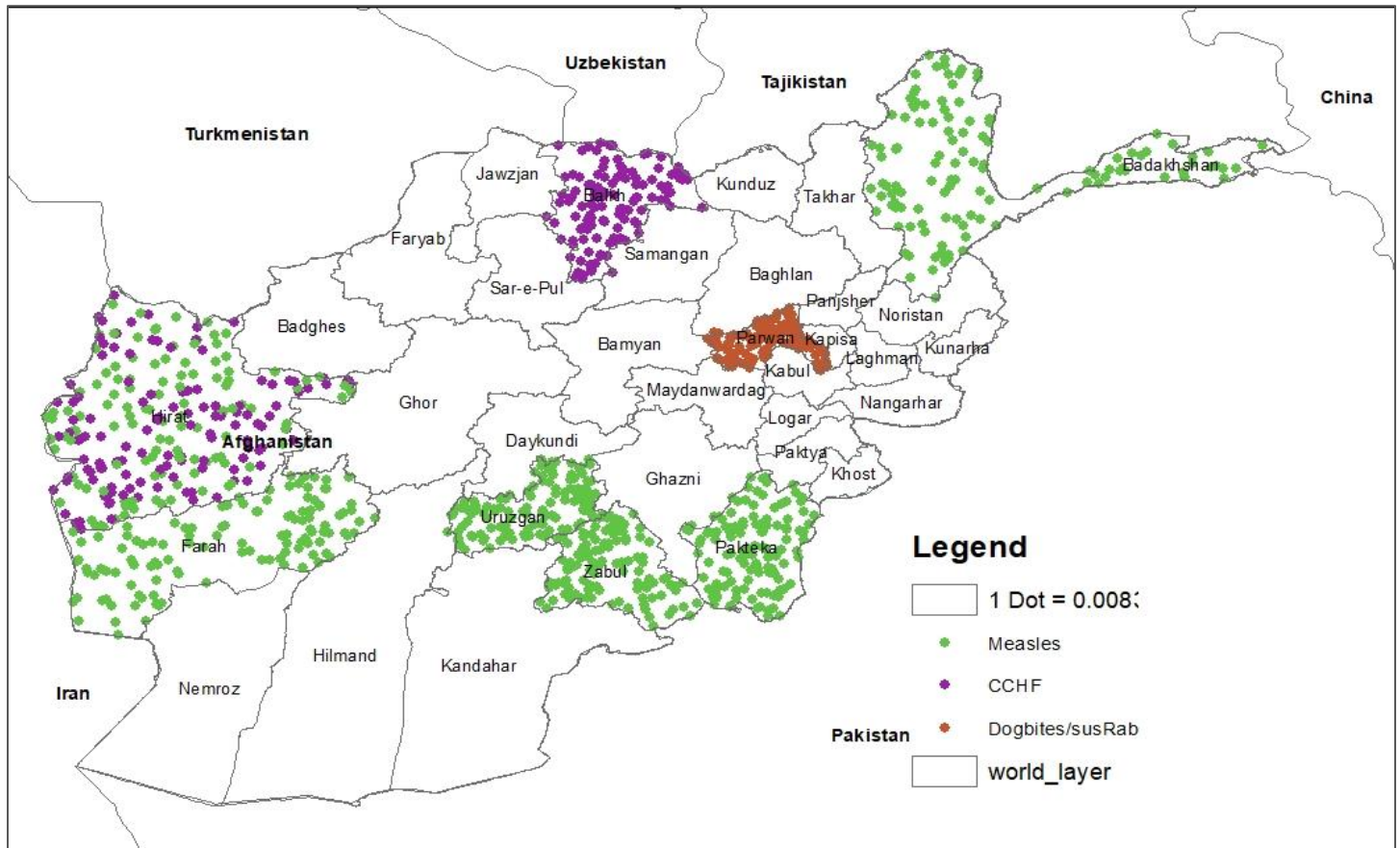


Figure 3: Outbreaks investigated during the week 13th, 2021 Table 2: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 03 April 2021)

Disease/Event	No.of Outbreaks	No.of outbreaks confirmed	No.of cases	No. of Deaths
Measles	68	0	700	19
CCHF	16	5	16	0
Dog bites/Suspected Rabies	7	0	39	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Pertussis	1	0	10	0
Acute Influenza	1	0	5	0
Tick bite	1	0	9	0
COVID-19	1	1	59429	2781
Gas (CO) Poisoning	1	0	18	0
Unknown Poisoning	1	0	12	3
Chickenpox	1	0	9	0
Grand Total	104	6	60324	2804

Laboratory surveillance:

A total of 12203 specimens were collected and shipped to CPHL and regional and private labs. Out of which 398 specimens were confirmed for COVID 19 in this week

Influenza Surveillance activities:

In Epidemiological week 13th 2021, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admission, 219(6%) Severe Acute Respiratory Infections cases were reported and 71% of them were under 5 years old. The proportion of SARI cases were same as compared to week 12th 2021. Two 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 (36%), Kabul (25%) and Bamyan (8%). In this epidemiological week, our field staff send 50 SARI and 30 ILI specimens to the National Influenza Center (NIC)

COVID-19 Surveillance activities:

In this week 12203 specimens were tested for suspected COVID-19. Out of which 398 samples were confirmed for COVID-19 by rtPCR. The cases have been managed either in the isolation wards or in-home quarantine.

Out of 173 contacts of 51 positive cases which were mostly family members with an average of 4 Contacts per case, and will be continued till 14 days of their last contact with the cases.

Also, surveillance screening teams screened all the passengers in the points of entry for fever, and health education was conducted for them, about 283,127 passengers have been screened for COVID-19 in the point of entry of nine provinces (Balkh, Farah, Hirat, Kabul, Kandahar, Khost, Kunduz, Laghman, Nangarhar, and Nimroz provinces).

COVID-19 new variant cases are detected in Nangarhar, Kabul, Herat, Logar and Paktya provinces, samples collection process from other provinces is going on.

Challenges:

- A small increase of COVID-19 cases reported especially in east and south east regions of the country
- Measles outbreaks and sporadic cases are in the increasing trend compared to last year
- Inadequate lab sample collection for COVID-19 cases from the districts, as majority of the samples are collected from the cities

Recommendations:

- In the east and south east regions of the country the contact tracing and screening process should be strengthened, from all suspected COVID-19 cases which have the travel history outside the country, lab samples should be collected and home quarantine should be recommended up to sharing the lab results.
- COVID-19 lab samples should be collected from all districts (all PHs, DHs and district centers should collect the lab samples) to know the situation of the rural area
- **EPI:** As the system detected 1022 suspected Measles cases, 09 deaths due to Measles and 01 Neonatal tetanus case, further prevention and control measures should be conducted by EPI team.
- Also, in this week 08 suspected measles outbreaks were reported, EPI teams and the BPHS/EPHS implementer NGOs are requested to strengthen the preventive and control measures for Measles outbreaks and sporadic cases.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.