



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report–33<sup>rd</sup>

Date: 09 to 15 Aug 2020

### Summary:

- Out of 513 functional Surveillance sentinel sites, 495(96.4%) have submitted reports this week.
- A total of 449,897 new consultations, 164,473 (36.6%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were Acute Diarrheal Diseases, 76,516 cases, 17.1% out of total new consultations, ARI (Cough & Cold), 75,793 cases, 16.8% out of total new consultations and Pneumonia, 9,447 cases, 2.1% out of total new consultations.
- A total of 218 deaths were reported this week, of which 40 were due to Surveillance targeted diseases, which includes 28 Pneumonia deaths, 06 Acute Watery Diarrhea deaths, 03 Meningitis deaths, 02 Hemorrhagic fever deaths and 01 Pregnancy related death.
- A total of 36 CCHF cases reported from Kabul, Herat, Kunduz, Balkh, Kandahar, Baghlan, Faryab, Kapisa, Logar, Nangarhar, Parwan, Takhar, Urozgan and Wardak provinces and 507 COVID-19 confirmed cases reported from different provinces.

Figure 1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility

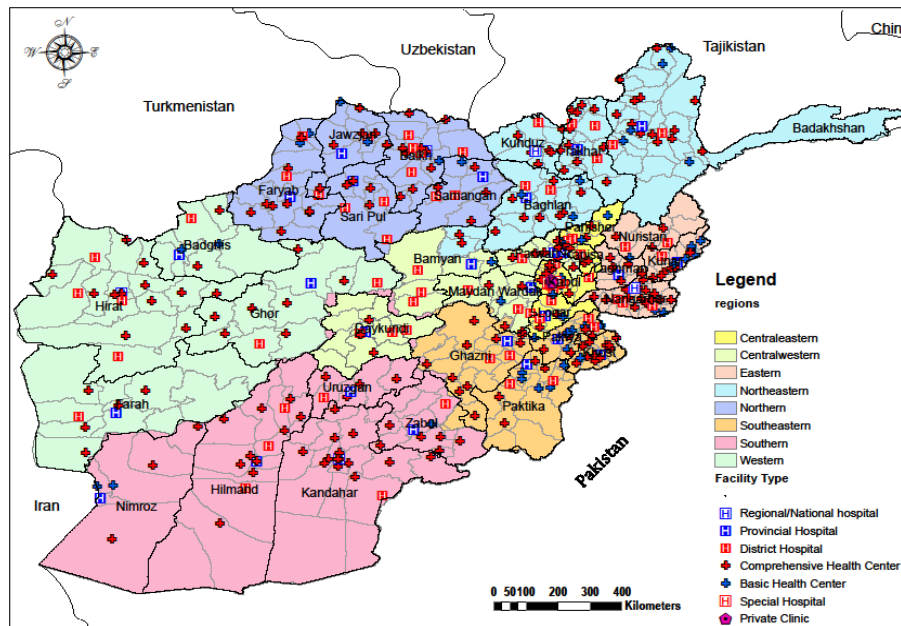


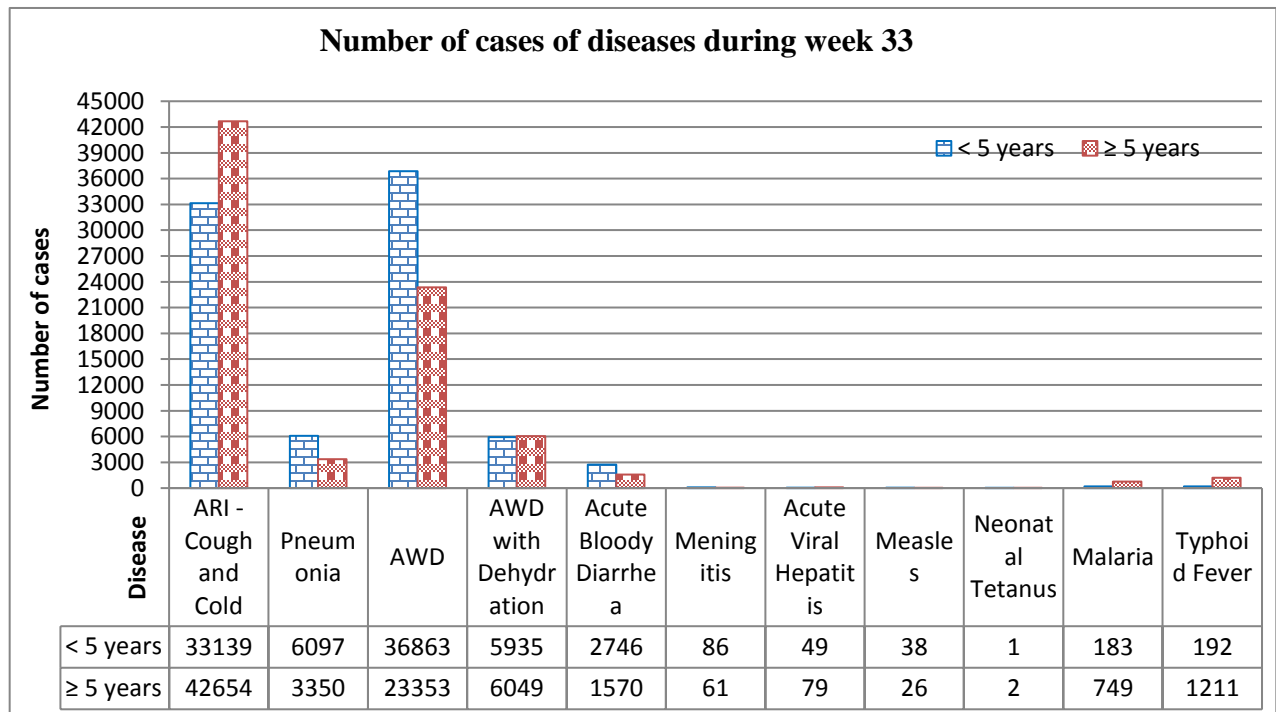
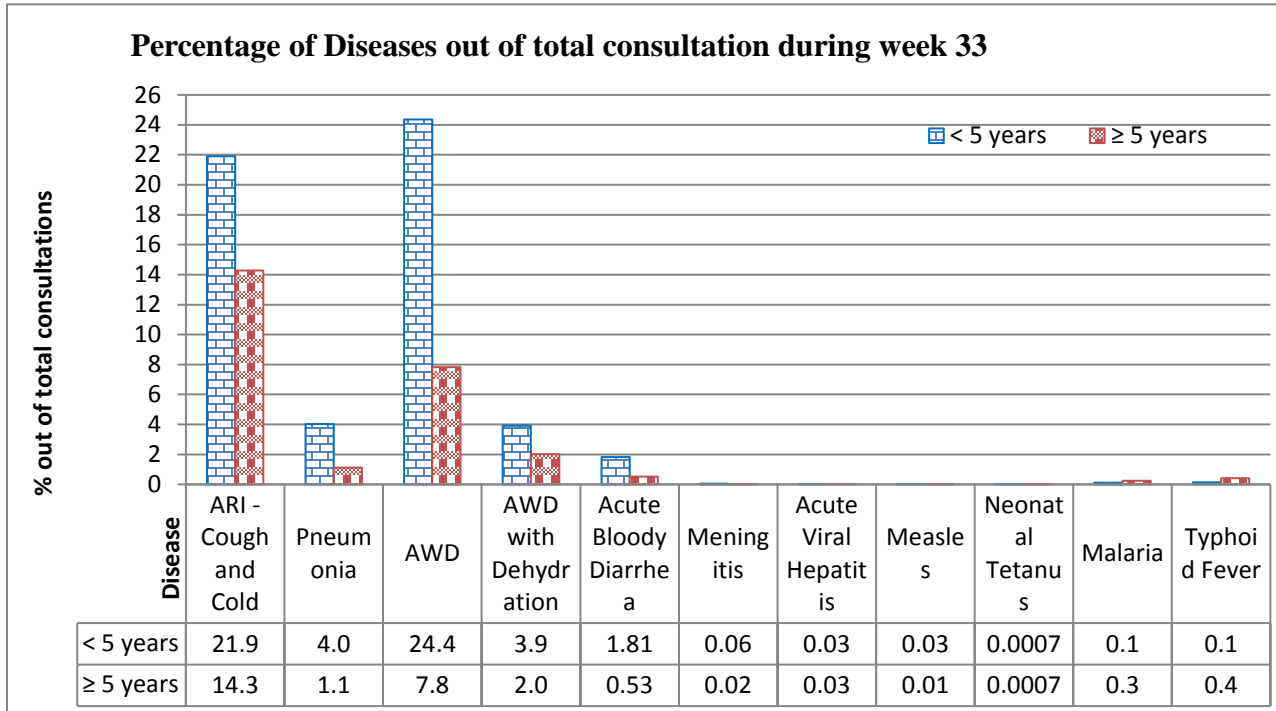
Table 1: Coverage of NDSR Surveillance System

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

**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**

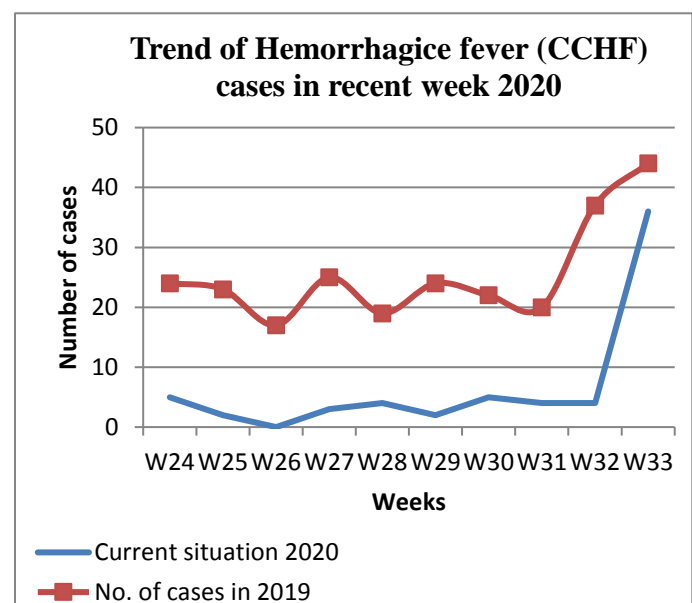
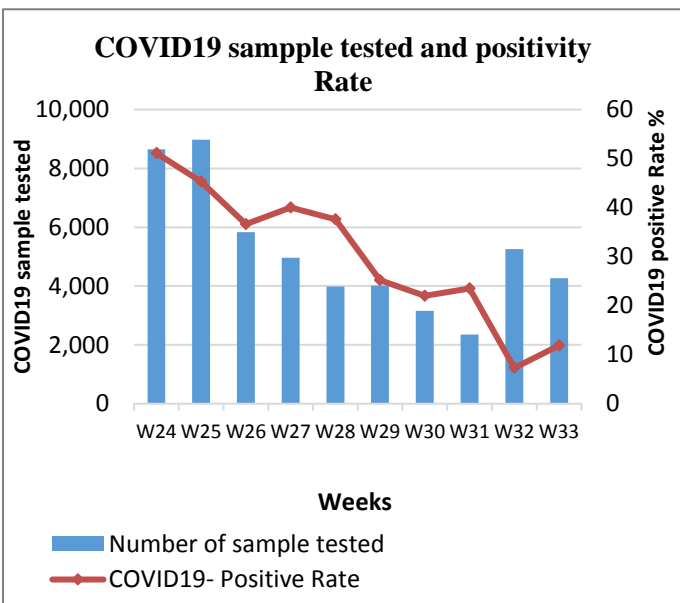
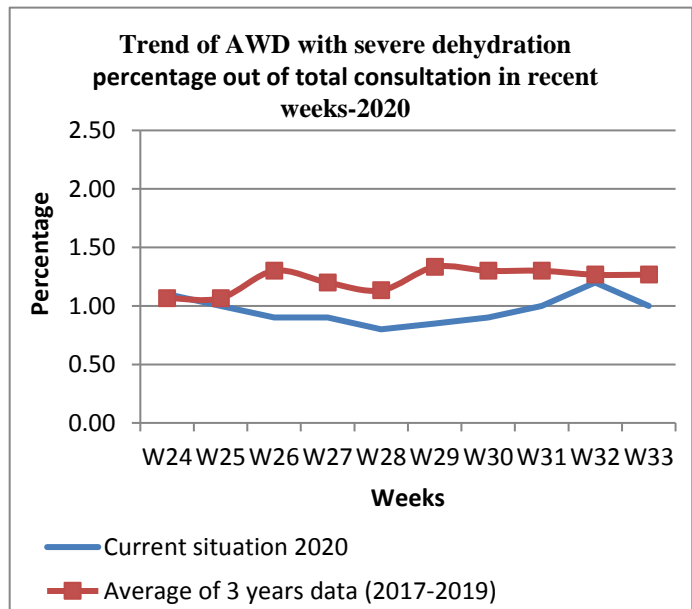
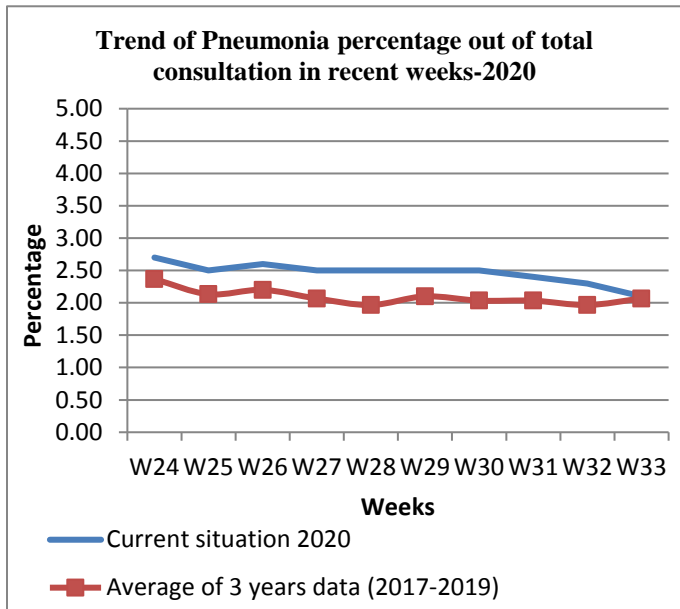


## Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 33<sup>rd</sup> 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	38	26	64	0	0	0	0.00
Tetanus	0	2	2	0	0	0	0.00
Neonatal tetanus	1	0	1	0	0	0	0.00

### Seasonal Diseases:



During week 33<sup>rd</sup> total of (36) CCHF cases detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Suspected CCHF Outbreaks								Recommendation/Action take
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	
05 August 2020	Kabul	District 7	Pol Hassan khan	1	0	52	Jobless	<p>During this week 36 suspected CCHF cases were reported from, Kabul, Herat, Kunduz, Balkh, Kandahar, Baghlan, Faryab, Kapisa, Logar, Nangarhar, Parwan, Takhar, Urozgan and Wardak provinces, the cases had probable contact with animals or the tissues of the animal, case management were done for all the cases and health education sessions were conducted.</p> <p>Case Fatality rate for CCHF was 5.6 % (per 100) in this week</p>
05 August 2020	Kabul	Bagrami	Bagrami	1	1	60	Daily wage worker	
05 August 2020	Kapisa	District 1	Namaz jay	1	0	22	Shopkeeper	
07 August 2020	Kabul	District 5	Khushal khan	1	0	55	Housewife	
07 August 2020	Balkh	Mazar-e-sharif	Marzar-e-sharif	1	0	54	Jobless	
06 August 2020	Kabul	District 13	Barhci	1	1	50	Daily wage worker	
11 August 2020	Kabul	Disrict 4	Taimani	1	0	36	Jobless	
12 August 2020	Balkh	Mazar-e-sharif	Mazar-e-sharif	1	0	60	Gov employee	
12 August 2020	Kabul	District 8	Qala cha	1	0	20	Student	
13 August 2020	Parwan	Charikar	Charikar	1	0	22	Shopkeeper	
11 August 2020	Wardak	Nerkh	Nerkh	1	0	19	Student	
09 August 2020	Kunduz	Kunduz	Kunduz city	1	0	22	Student	
10 August 2020	Kapisa	Kapisa	Kapisa	1	0	66	Housewife	
10 August 2020	Kabul	Khake-Jabar	Khak Jabar	1	0	19	Student	
12 August 2020	Nangarhar	Eisa khil	Sha joy	1	0	28	Police	
06 August 2020	Kabul	District 6	Darulaman	1	0	16	Housewife	
06 August 2020	Kabul	District 7	Chilstun	1	0	20	Health staff	
06 August 2020	Kabul	District 4	Taimani	1	0	55	Jobless	
05 August 2020	Logar	Mahmood raqi	Mahmood raqi	1	0	27	Student	
08 August 2020	Kabul	District 13	Compani	1	0	38	Jobless	
08 August 2020	Kabul	District 9	Qabul Boy	1	0	19	Butcher	
13 August 2020	Urozgan	Chora	Saprdar	1	0	30	Jobless	
13 August 2020	Kandahar	District 2	Hindo Chowk	1	0	40	Other	
13 August 2020	Kandahar	Reg	Jahan	1	0	60	Jobless	
10 August 2020	Takhar	Taluqan	Balak Aortabaz	1	0	45	Other	
11 August 2020	Kunduz	Kunduz	Imam sahib	1	0	53	Daily wage worker	
10 August 2020	Kunduz	Kunduz city	Hindo sozan	1	0	20	Daily wage worker	
11 August 2020	Baghlan	Shahri Jadid baghlan	Shahri Jadid baghlan	1	0	73	Housewife	
12 August 2020	Balkh	Mazar-e-sharif	Kamarband	1	0	33	Housewife	
12 August 2020	Balkh	Mazar-e-sharif	Dashti shor	1	0	38	Other	
14 August 2020	Faryab	Gurziwan	Qala Turdi	1	0	42	Farmer	
09 August 2020	Herat	Area 4	Badamorghan	1	0	16	Butcher	
10 August 2020	Herat	Area 17	Mahar kandaharian	1	0	17	Housewife	
07 August 2020	Herat	Area 17	Maharle wardak	1	0	23	Housewife	
13 August 2020	Herat	Area 7	Darb Iraq	1	0	22	Other	
15 August 2020	Herat	Area 7	Darb Iraq	1	0	30	Butcher	

Figure 3: Outbreaks investigated during the week 33<sup>rd</sup>, 2020

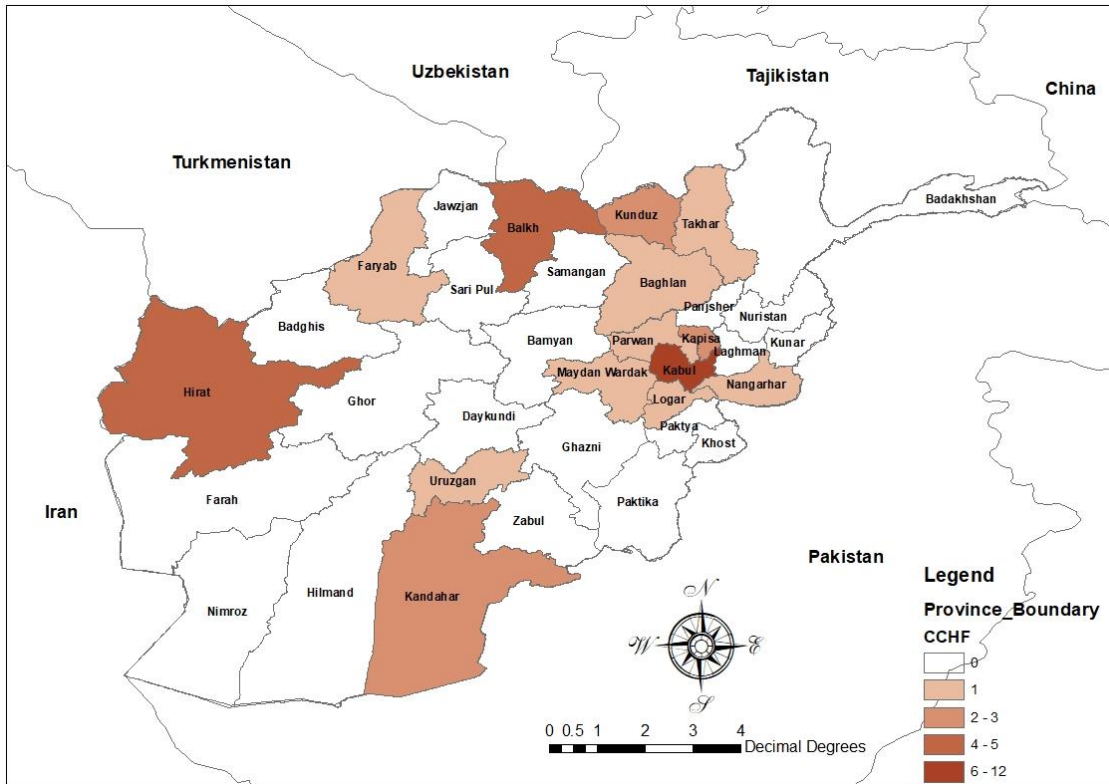


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 15 Aug 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
CCHF	92	0	94	7
Measles	24	2	278	3
Pertussis	7	0	42	0
Scabies	7	0	320	0
Chickenpox	6	0	103	0
Dog bites/Suspected Rabies	5	0	58	0
Pneumonia	2	0	208	46
Acute Bloody diarrhea	1	0	120	0
Acute Viral Hepatitis	1	0	10	0
COVID 19	1	1	34740	1063
Mumps	1	0	51	0
Leishmaniasis	1	1	12	0
<b>Grand Total</b>	<b>148</b>	<b>4</b>	<b>36036</b>	<b>1119</b>

#### Laboratory surveillance:

A total of 4,263 specimens for suspected COVID 19 were received by CPHL. Out of which 507 specimens were confirmed for COVID 19.

### **Influenza Surveillance activities:**

In Epidemiological week 33<sup>rd</sup>, 2020, 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, 101 (4%) Severe Acute Respiratory Infections cases were reported and 69% of them were among under 5 years old. The proportion of SARI cases was same as compared to week 32<sup>nd</sup>, 2020. There were no SARI associated deaths reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (17%), Bamyan (10%) and Kapisa (7%). In this Epidemiological week, our field staff sent 15 SARI and 11 ILI specimens to the National Influenza Center (NIC).

### **COVID-19 Surveillance activities:**

In this week 4,263 specimens for suspected COVID-19 were tested. Out of which 507 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in home quarantine, contact tracing has been started and will be continued till 14 days of their last contact with the cases.

Surveillance screening teams screened all the passengers in the points of entry, all of the screened passengers have been checked for fever, and health education are conducted for them.

### **Challenges:**

- No mandatory reporting of notifiable diseases by the public and private health facilities
- Inadequate numbers of SARI samples (Severe Acute Respiratory Infection) in adults ( $\geq 18$  years), in order to early detect COVID-19 cases.
- Poor follow-up for contacts of the lab confirmed cases for early detection of COVID-19 cases by the BPHS implementer NGOs.
- Under reporting of COVID-19 cases from public and private HFs, and community

### **Recommendations:**

- Establish legislation for notifiable diseases mandatory reporting from all public and private HFs
- SARI (Severe Acute Respiratory Infection) surveillance in adults ( $\geq 18$  years) should be strengthened and lab samples from those cases which are not responded with antibiotics during 48 hours should be collected for detection of suspected COVID-19 cases.
- Contact tracing for all contacts of the lab confirmed cases should be implemented by the BPHS implementer NGOs
- COVID-19 clinical cases reporting should be strengthened in all public and private health facilities and CHW should also report the cases
  
- **EPI:** As the system detected 64 suspected Measles and 03 Tetanus cases, further prevention and control measures should be conducted by EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.