



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-25<sup>th</sup>

Date: 16 to 22 June 2019

### Summary:

- Out of 651 functional Surveillance sentinel sites, 624(95.8%) have submitted reports this week.
- Out of a total 589,745 new consultations, 198,791(33.7%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were Acute Diarrheal Diseases, 91,961 cases, 15.6% out of total new consultations, ARI (Cough & Cold) 88,293 cases, 15% out of total new consultations and Pneumonia, 13,964 cases, 2.4% out of total new consultations).
- A total of 238 deaths were reported this week, of which 31 were due to Surveillance targeted diseases, which includes 21 Pneumonia deaths, 05 Pregnancy related deaths reported from Rabila balkhi, Lashkar gah and Sharan sentinel sites, 03 Meningitis deaths, one Acute Watery Diarrhea with Dehydration death, and one Acute Viral Hepatitis death.
- Total of 24 outbreaks reported this week; of which 22 were CCHF outbreaks reported from Kabul, Herat, Ghazni, Nangarhar, Balkh, Faryab, Kapisa, Panjshir and Parwan provinces, one Measles outbreak reported from Khost province and one Diphtheria outbreak reported from Kabul province.

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

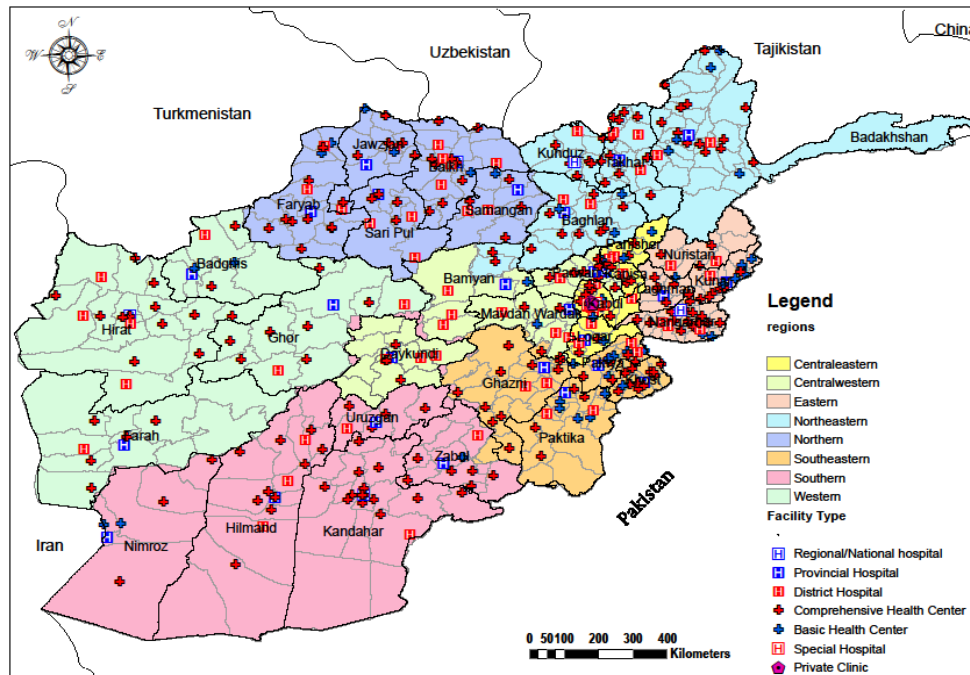


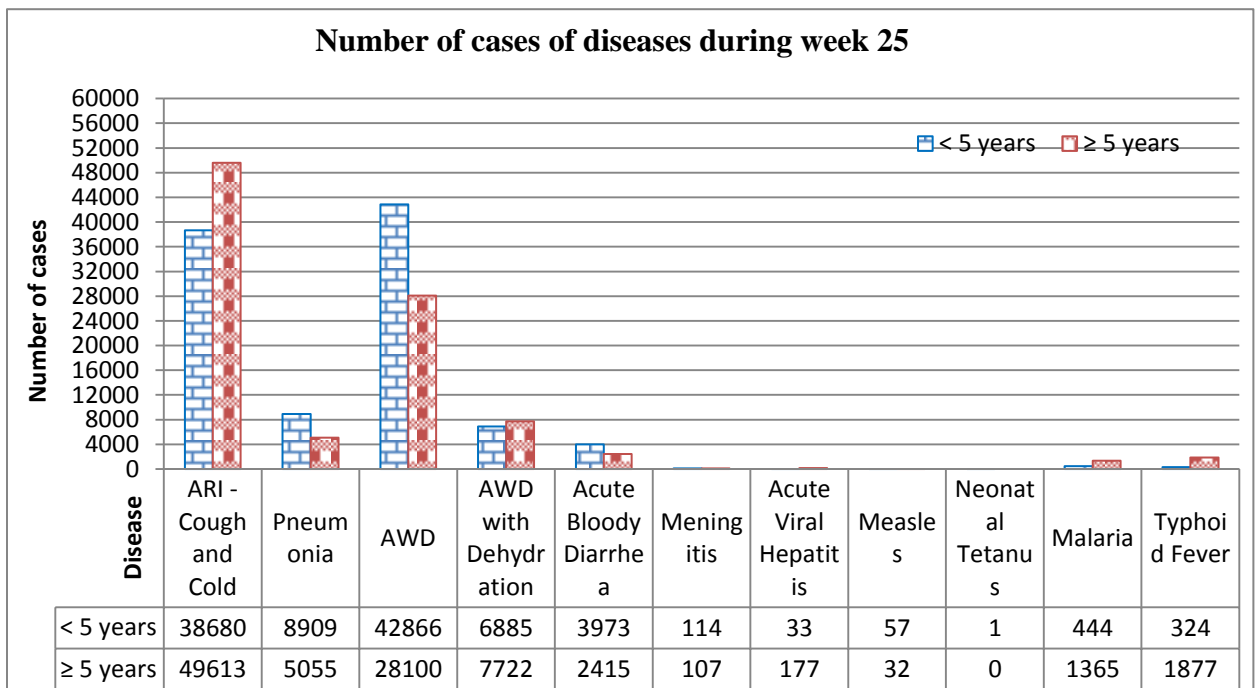
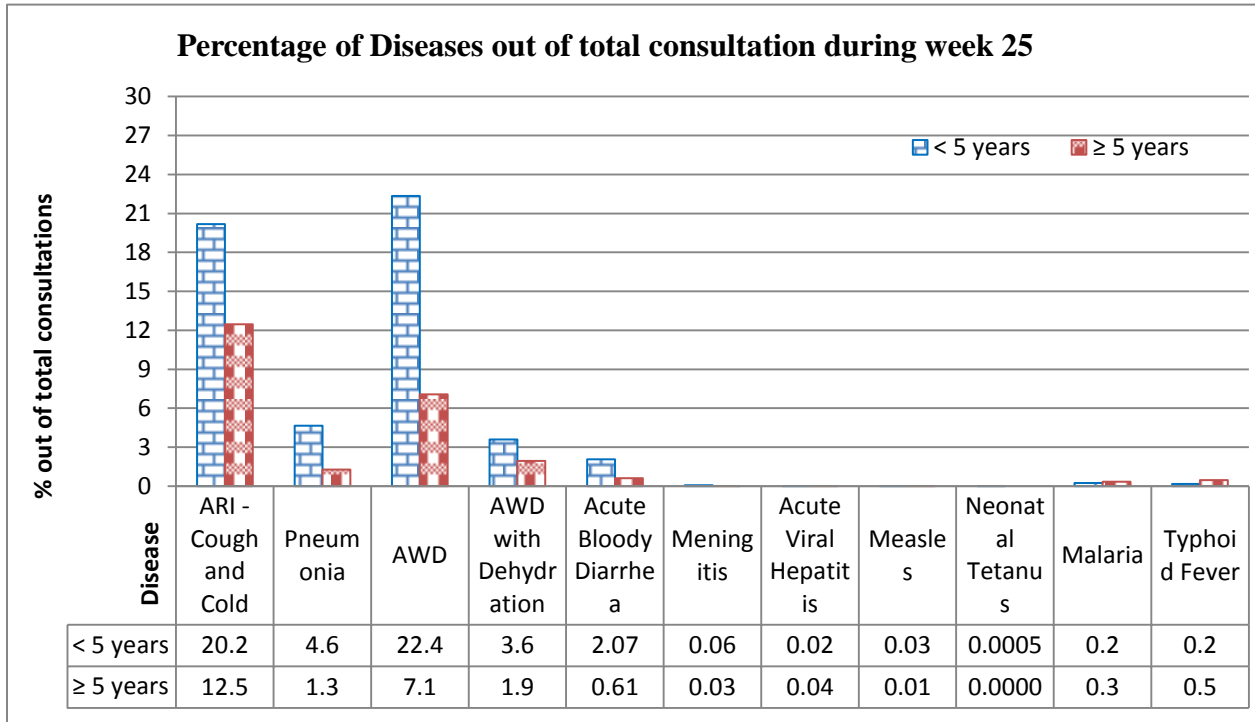
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Subcenter	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	1017	<b>2,693</b>
HF covered by NDSR-Plus	32	77	453	1	50	13	25	<b>651</b>

**Indicator – based Surveillance:**

The Indicator-based surveillance component of NDSR reports 15 priority infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and 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**

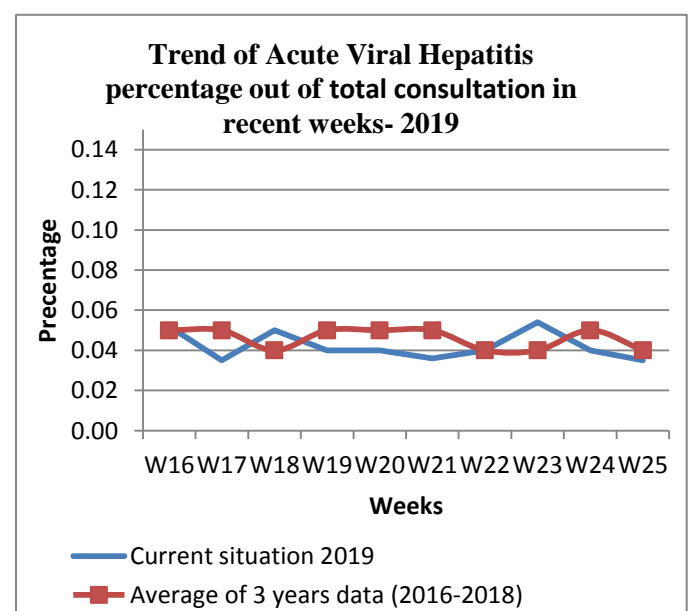
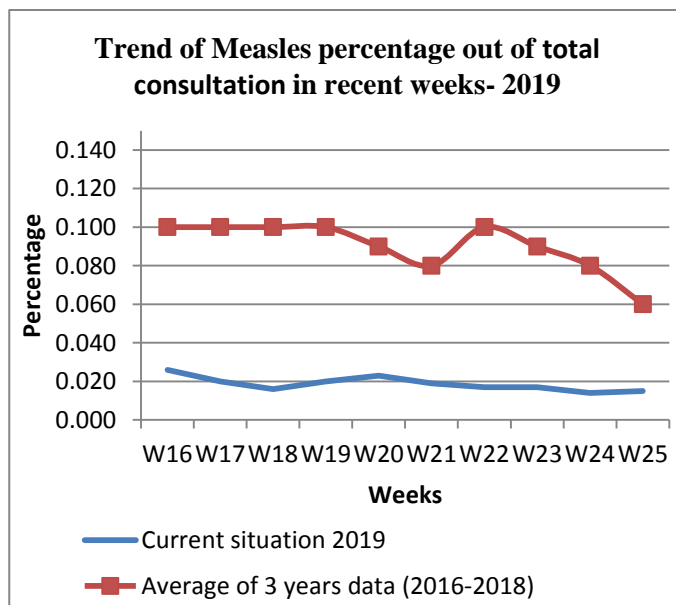
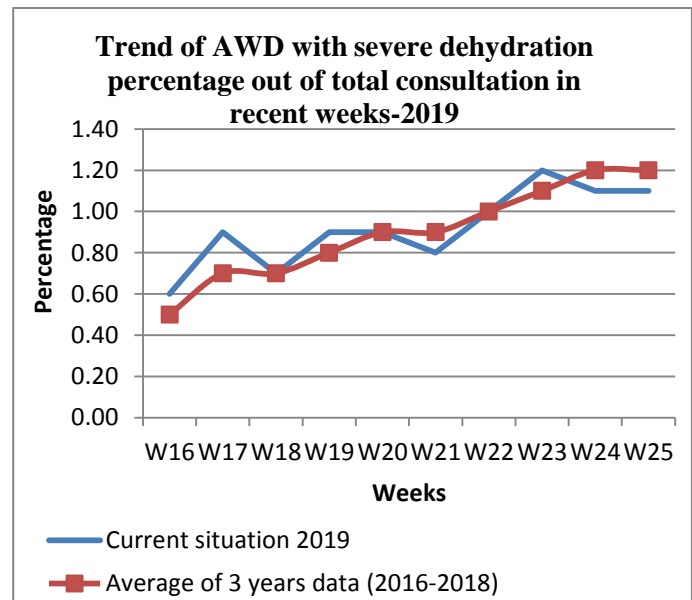
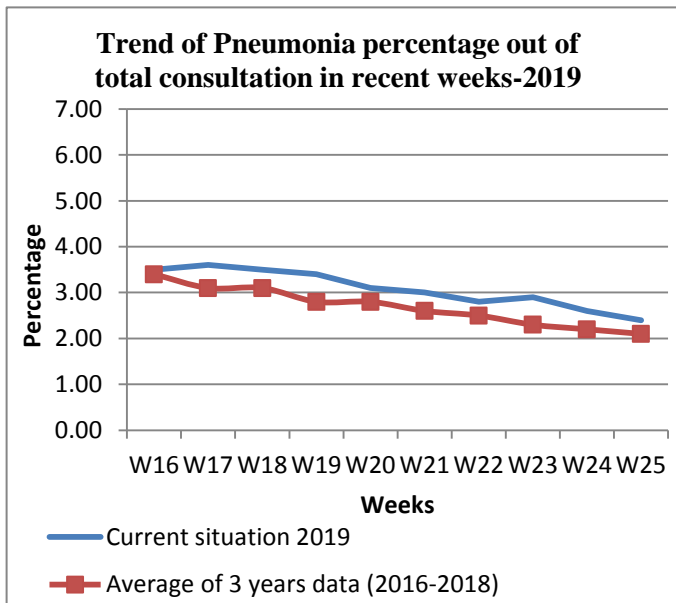


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 25<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	57	32	89	0	0	0	0.00
Pertussis	5	1	6	0	0	0	0.00
Diphtheria	1	0	1	0	0	0	0.00
Neonatal tetanus	1	0	1	0	0	0	0.00

### Seasonal Diseases:



During week 25<sup>th</sup> total of 24 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

CCHF Outbreaks								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
21 June 2019	Ghazni	Center	Shams	2	1	40 Y and 30 Y	Butcher	During this week 23 suspected CCHF cases were reported from Kabul Herat, Ghazni, Nangarhar, Balkh, Panjshir, Parwan, Kapisa, and Faryab provinces, had probable contact with animals or the tissues of the animal, case management was done, and health education sessions were conducted. Case Fatality rate for CCHF was 4.3% (per 100) in this week
16 June 2019	Kabul	District 13	Company	1	0	35 Y	Animal Dealer	
17 June 2019	Panjshir	Khenj	Pawat	1	0	25 Y	Butcher	
18 June 2019	Parwan	Markaz	Tutum Dara Bala	1	0	50 Y	Housewife	
20 June 2019	Kabul	District 16	Qala Zaman khan	1	0	27 Y	Butcher	
20 June 2019	Kabul	District 10	Char Qala Wazir Abad	1	0	26 Y	Butcher	
20 June 2019	Kabul	District 5	Kota-e-Sangi	1	0	15 Y	Shopkeeper	
20 June 2019	Kapisa	Hesa Dowom	Sufatullah Khil	1	0	50 Y	Farmer	
22 June 2019	Balkh	Markaz	Zeraat	1	0	20 Y	Butcher	
22 June 2019	Nangarhar	Kama	Qala Zarghon	1	0	17 Y	Butcher	
22 June 2019	Parwan	Sid khil	Rahmat Khan	1	0	41 Y	Farmer	
17 June 2019	Faryab	Maimana city	Tandorak	1	0	28 Y	Housewife	
17 June 2019	Hirat	Guzara	Syawshan	1	0	50 Y	Housewife	
17 June 2019	Hirat	Shindand	Dahe pahlawan	1	0	60 Y	Housewife	
18 June 2019	Hirat	City	Baghche Mostawfi	1	0	70 Y	Housewife	
19 June 2019	Hirat	Injil	Khan	1	0	45 Y	Farmer	
19 June 2019	Hirat	Injil	Rabat	1	0	26 Y	Worker	
19 June 2019	Hirat	City	Shlabafan	1	0	65 Y	Shepherd	
20 June 2019	Hirat	Guzara	Saywshan	1	0	25 Y	Worker	
20 June 2019	Hirat	Guzara	Malan	1	0	17 Y	Housewife	
20 June 2019	Hirat	Zarghon	Joye Mahle Shai	1	0	45 Y	Housewife	
20 June 2019	Hirat	Injil	Khosh rod	1	0	35 Y	Housewife	

Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
17 June 2019	Khost	Gharshin	Noorzai	4	2	6	0	58 %	Low	In this week one Measles outbreak reported from Khost province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well

Diphtheria Outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
21 June 2019	Kabul	District 4	Baraki	1	0	In this week one Diphtheria outbreak was reported from Kabul province, the outbreak was investigated, case management was done, and health education session was conducted as well

Figure 3: Outbreaks investigated during the week 25<sup>th</sup>, 2019

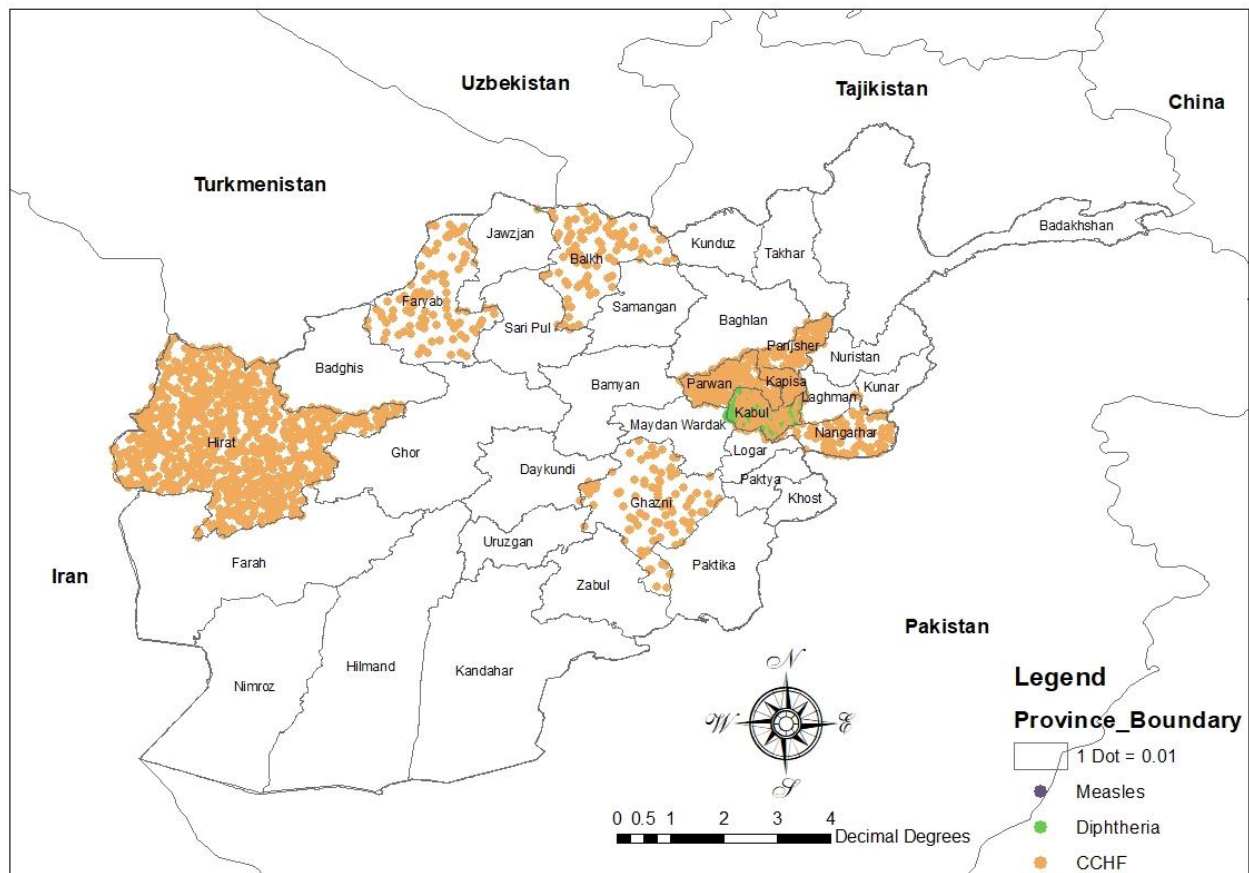


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 22 June 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	147	20	151	16
Measles	20	14	181	2
Dog bites/Suspected Rabies	19	2	90	2
Chickenpox	13	1	256	0
Scabies	7	0	320	0
Pertussis	7	0	73	0
Leishmaniasis	3	2	85	0
Food poisoning	2	0	65	0
Mumps	2	0	107	0
Coal Poisoning	2	0	8	2
Diphtheria	2	0	2	0
Acute Watery Diarrhea	1	0	28	0
Typhoid Fever	1	0	72	0
Unknown Hemorrhagic	1	0	9	2
Pneumonia	1	0	51	3
Mushroom poisoning	1	0	9	0
ARI	1	0	629	0
Mass psychogenic Illness	1	0	12	0
Acute Viral Hepatitis	1	1	33	0
<b>Grand Total</b>	<b>232</b>	<b>40</b>	<b>2181</b>	<b>27</b>

#### Laboratory surveillance:

In this week a total of 81 different specimens/samples were received by CPHL, out of which 06 specimens were positive for CCHF, 02 specimens were positive for Measles and 02 specimens were positive for Rubella while the rest are under process. (Follow up by the CPHL is going on).

#### Influenza Surveillance activity

In Epidemiologic week 25, 2019, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Paktya, Nangarhar, and Baghlan). Out of all new hospital admission, 122 (3.4%) Sever Acute Respiratory Infections cases were reported and 62 % of them were among under 5 years old. The proportion of SARI cases was the same as week 24. Two SARI associated deaths were reported in this week.

In week 25, our NIC received 29 SARI samples and 19 ILI samples from the field which are under process.

### Recommendations:

- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **CDC/MAIL:** As the system detected 23 suspected CCHF cases in this week, therefore further prevention and control measures can be conducted by CDC/MAIL.
- **RH:** 05 pregnancy related deaths were reported which needs to be follow up by assigned maternal death review committees.
- **EPI:** As the system detected 97 vaccine preventable diseases suspected cases (Measles 89 cases, Pertussis 6 cases, Diphtheria 1 case and neonatal tetanus 1 case), therefore further investigation should be conducted by EPI team.
- More coordination with the lab about the typhoid samples testing and culture for detection of MDR cases should be considered.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments