



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–18th

Date: 28 April to 04 May 2019

Summary:

- Out of 651 functional Surveillance sentinel sites, 623(95.6%) have submitted reports this week.
- Out of a total of 559,525 new consultations, 186,246(33.3%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 103,854 cases, 18.6% out of total new consultations and Pneumonia, 19,623 cases, 3.5% out of total new consultations) and Acute Diarrheal Diseases, 59,460 cases, 10.6% out of total new consultations.
- A total of 188 deaths were reported this week, of which 34 were due to Surveillance targeted diseases, which includes 23 Pneumonia deaths, 05 Pregnancy related deaths reported from Lashkar gah, Rabia balkhi, Nangarhar and Kundoz sentinel sites, 04 Meningitis deaths, one Typhoid fever death and one Hemorrhagic fever death.
- Total of 12 outbreaks reported this week; of which 06 were CCHF outbreaks reported from Kabul, Balkh, Faryab, Herat, Kapisa and Nangarhar provinces, 03 Food poisoning outbreaks reported from Herat, Paktika and Parwan provinces, one Typhoid fever outbreak reported from Kundoz province, one Mumps outbreak reported from Badakhshan province and one Chickenpox outbreak reported from Kunar province.

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

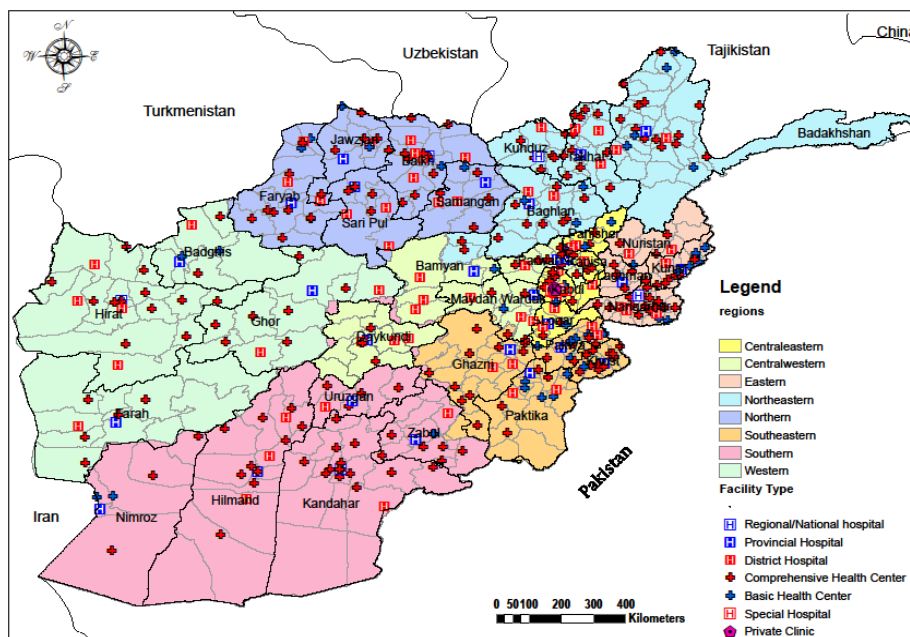


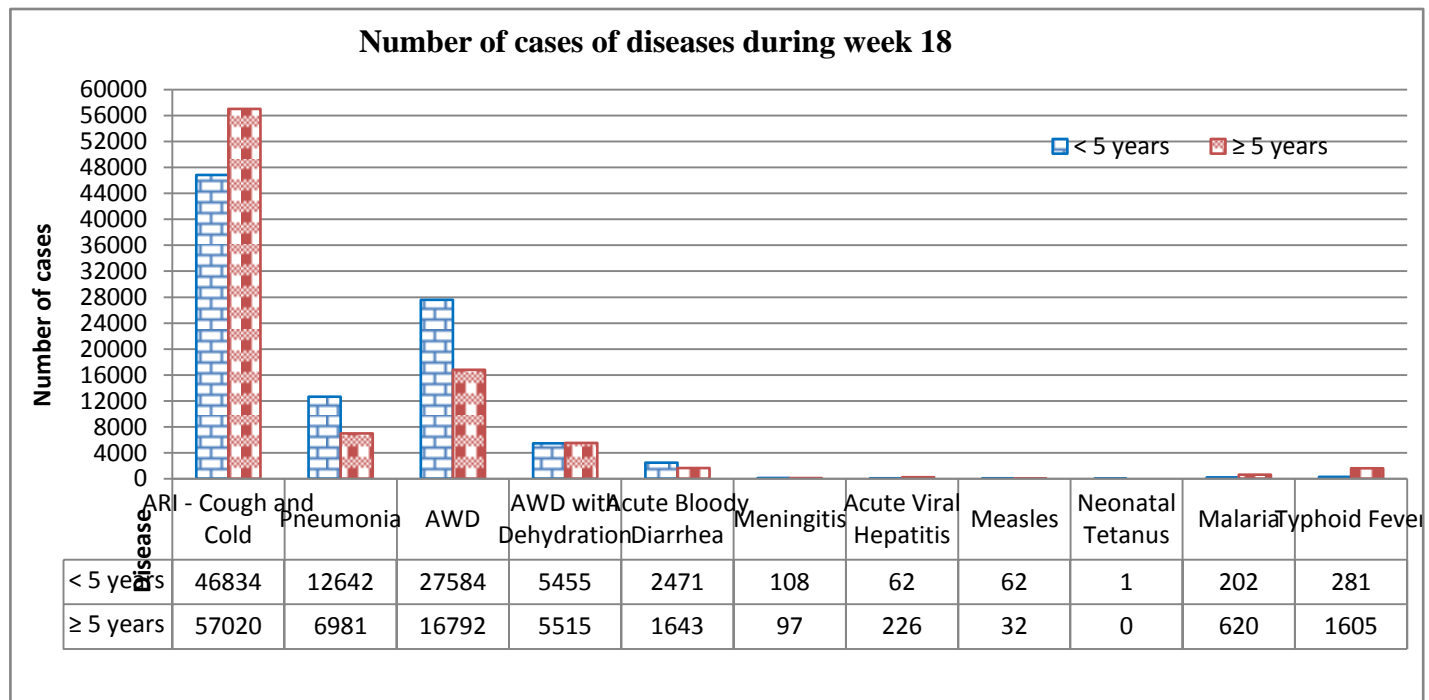
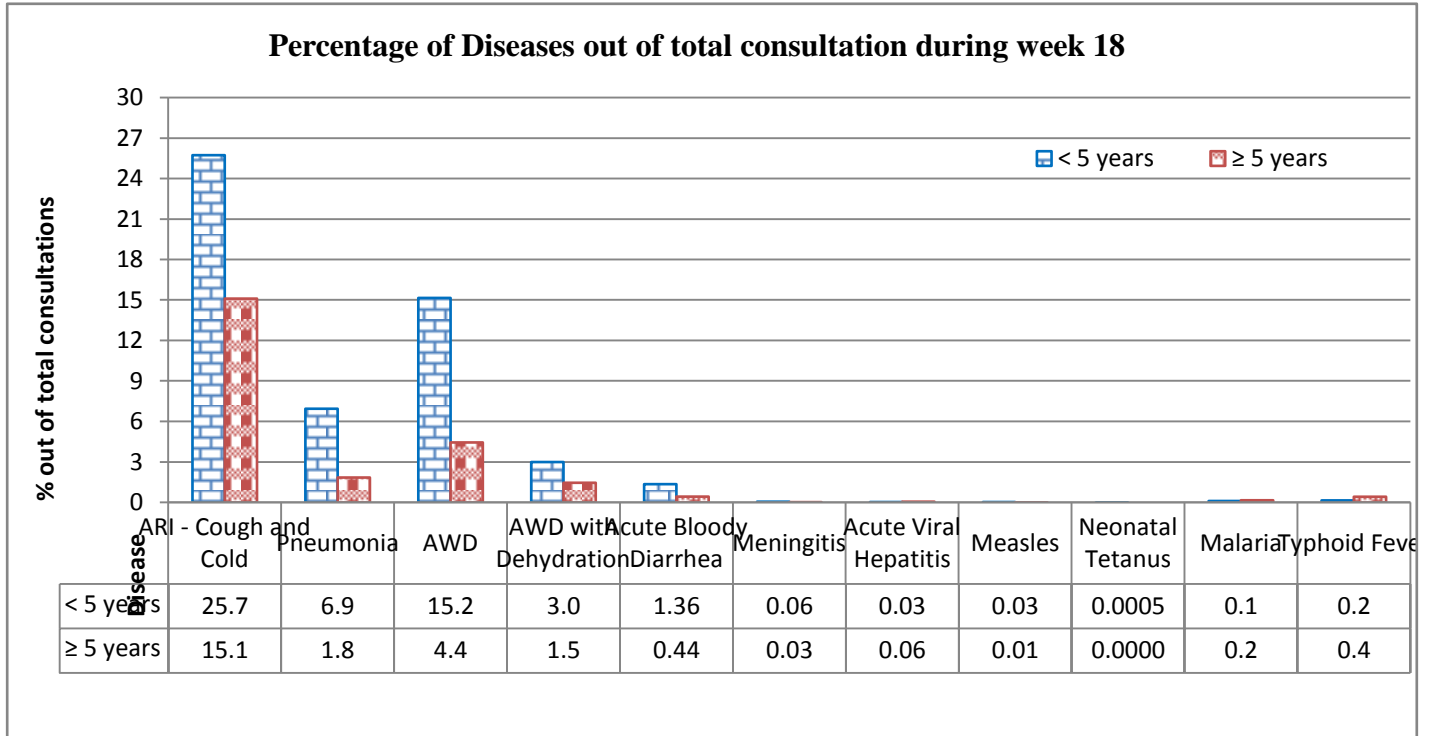
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Sub center	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	1017	1,676
HF covered by NDSR-Plus	32	77	453	1	50	13	25	651

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

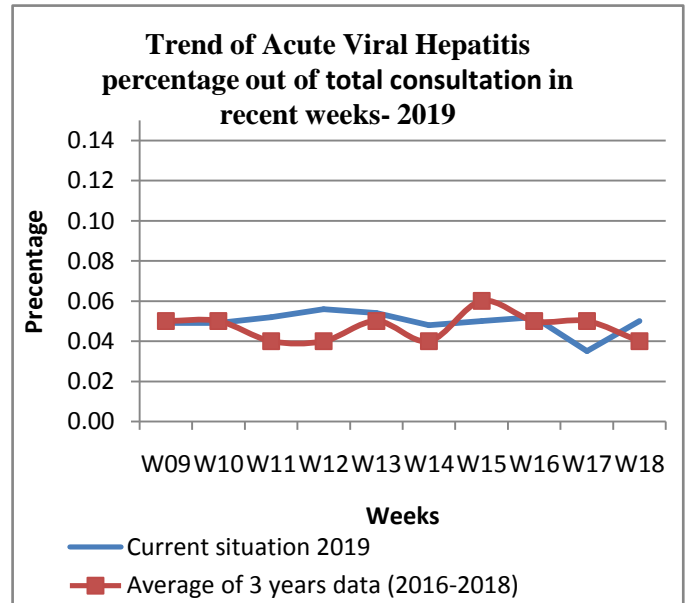
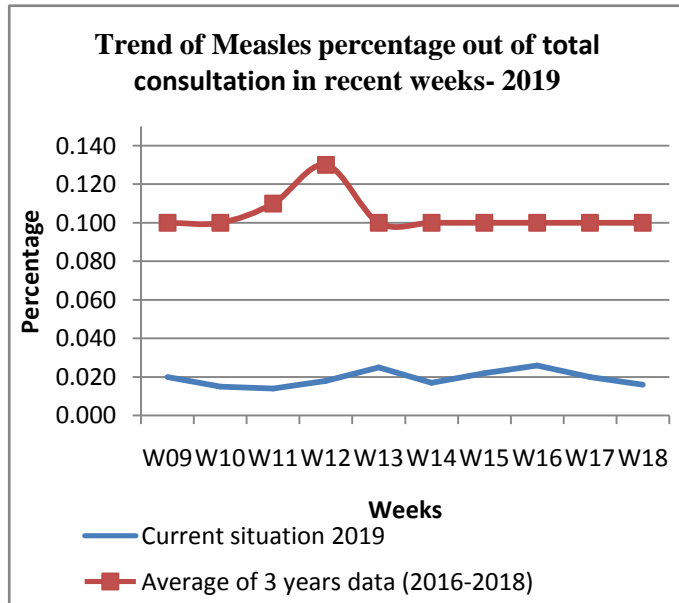
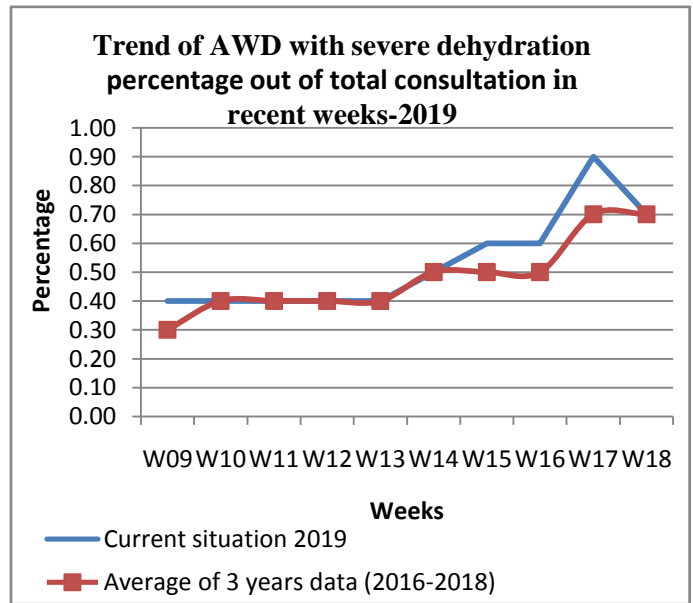
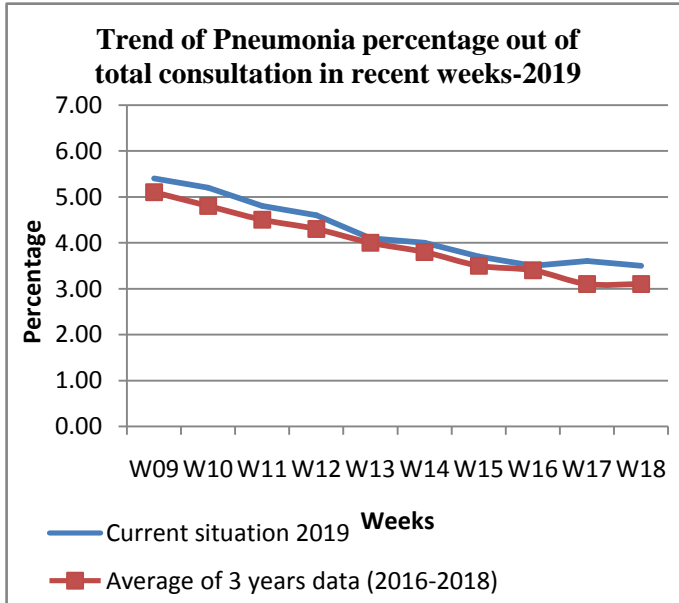


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 18th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	62	32	94	0	0	0	0.00
Pertussis	1	0	1	0	0	0	0.00
Neonatal tetanus	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 18th total of 12 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Suspected CCHF Outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
23 April 2019	Kabul	District 5	Company	1	0	33 Y	Worker	During this week six suspected CCHF cases were reported from Kabul, Faryab, Kapisa, Nangarhar, Balkh and Herat provinces, had probable contact with animals or the tissues of the animal, case management was done, health education sessions were conducted. Case Fatality rate for CCHF was 11.1% (per 100) in this week
24 April 2019	Balkh	District 4	Shahr	1	0	19 Y	Butcher	
30 April 2019	Kapisa	Hesa Awal	Shirkhan khil	1	1	30 Y	Butcher	
4 May 2019	Nangarhar	Goshta	Dawar khil	4	0	25Y-13Y-10Y-11 Y	Housewife & Farmer	
3 May 2019	Faryab	Pashton kot	Qezilaul	1	0	65 Y	Farmer	
30 April 2019	Herat	Enjil	Ab Jalil	1	0	23 Y	Farmer	
Food and Mushroom poisoning Outbreaks								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
28 April 2019	Herat	City	Ansari	35	0	In this week two Food poisoning and one Mushroom poisoning outbreaks were reported from Herat, Paktika and Parwan provinces, the outbreaks were investigated, case management was done for all the cases, and health education session was conducted as well		
1 May 2019	Paktika	Urozgan	Sor Kamar	30	0			
28 April 2019	Parwan	Bagram	Dahana Maydan	9	0			
Typhoid fever outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
28 April 2019	Kunduz	Khanabad	Payenda mohammad	72	0	In this week Typhoid fever outbreak reported from Kunduz province, the outbreaks were investigated, case management was done for all the cases, and health education session was conducted as well		
Chickenpox outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
29 April 2019	Kunar	Dara-e-Pach	Kandal Bys High school	47	0	In this week one Chickenpox outbreak was reported from Kunar province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.		

Mumps outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
29 April 2019	Badakhs han	Argo	Ganda cheshma	92	0	In this week one Mumps outbreak was reported from Badakhshan province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 18th, 2019

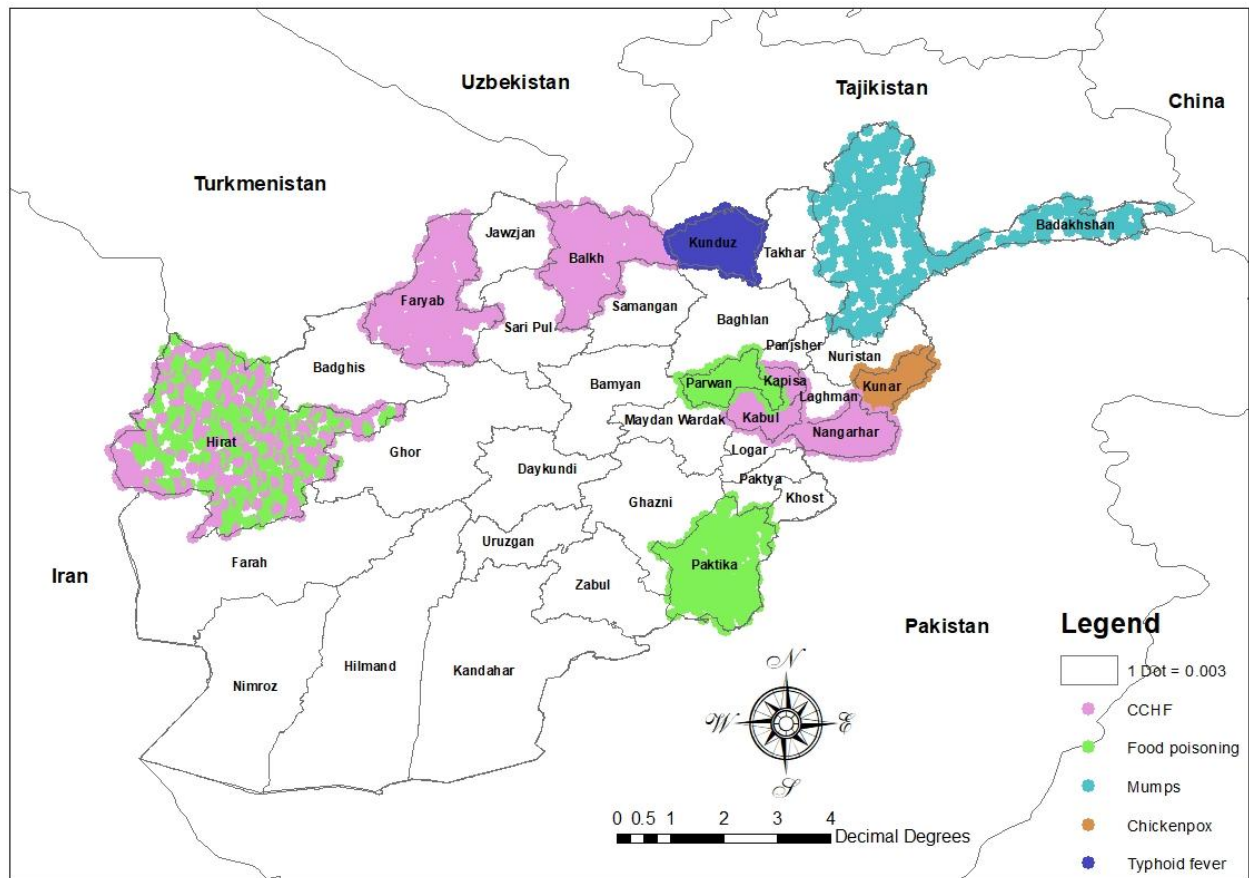


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 04 May 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	33	2	36	4
Measles	15	10	149	0
Chickenpox	9	0	192	0
Dog bites/Suspected Rabies	9	2	57	1

Scabies	6	0	279	0
Pertussis	3	0	33	0
Leishmaniasis	3	2	85	0
Food poisoning	2	0	65	0
Coal Poisoning	2	0	8	2
Pneumonia	1	0	51	3
Unknown Hemorrhagic	1	0	9	2
Acute Viral Hepatitis	1	1	33	0
Mushroom poisoning	1	0	9	0
Typhoid Fever	1	0	72	0
Mumps	1	0	92	0
ARI	1	0	629	0
Diphtheria	1	0	1	0
Grand Total	90	17	1800	12

Laboratory surveillance:

In this week a total of 72 different specimens/samples were received by CPHL, out of which 09 specimens were positive for measles, 02 specimens were positive for Rubella and 05 specimens were positive for food poisoning (E Coli, Ewingella Americana, Shigella flexneri and Aeromonas Hydrophila pathogens were isolated) while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 18, 2019, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyana, Paktya, Nangarhar, and Baghlan). Out of all new hospital admission, 146(4.1%) Sever Acute Respiratory Infections cases were reported and 60% of them were among under 5 years old. The proportion of SARI cases was decreased than week 17 2019. However, there were 5 SARI associated death reported in this week and majority were among under 5 year children.

In EPI week 18, our National Influenza Center (NIC) received 29 SARI and 19 ILI specimens from all 9 surveillance sites, the results are pending.

Recommendations:

- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- EPI: As the system detected 01 suspected pertussis and 01 tetanus cases, therefore further investigation should be conducted by EPI team.
- Reproductive Health Department: In week 18, 05 pregnancy related deaths were reported which needs to be follow up by assigned maternal death review committees.
- 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