



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–26th

Date: 23 to 29 June 2019

Summary:

- Out of 651 functional Surveillance sentinel sites, 619(95%) have submitted reports this week.
- Out of a total 575,989 new consultations, 196,451(34.1%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were Acute Diarrheal Diseases, 91,709 cases, 15.9% out of total new consultations, ARI (Cough & Cold, 86,799 cases, 15.1% out of total new consultations and Pneumonia, 13,198 cases, 2.3% out of total new consultations).
- A total of 254 deaths were reported this week, of which 49 were due to Surveillance targeted diseases, which includes 26 Pneumonia deaths, 07 Acute Diarrheal Disease deaths, 6 Pregnancy related deaths reported from Sharan, Maimana, Shar now, Lashkar gah and Urozgan sentinel sites, 06 Meningitis deaths, 02 Acute Viral Hepatitis deaths, one Hemorrhagic fever death and one Measles death.
- Total of 19 outbreaks reported this week; of which 17 were CCHF outbreaks reported from Herat, Kabul, Balkh, Badghis, Kapisa, Helmand, Logar, Parwan and Zabul provinces, one Measles outbreak reported from Kandahar province and one Ringworm outbreak reported from Kunar province.

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

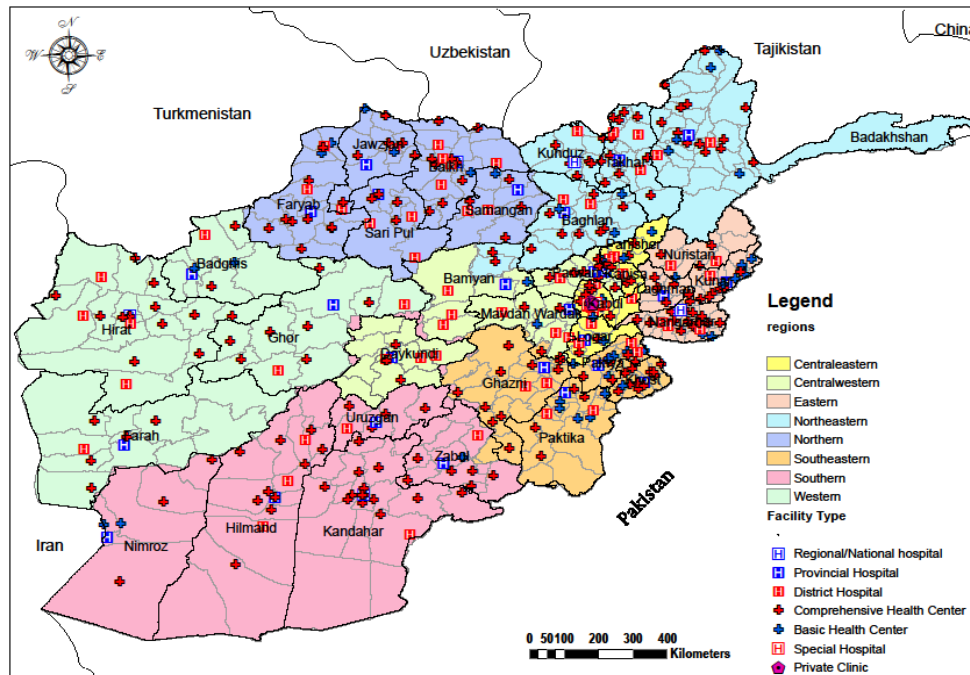


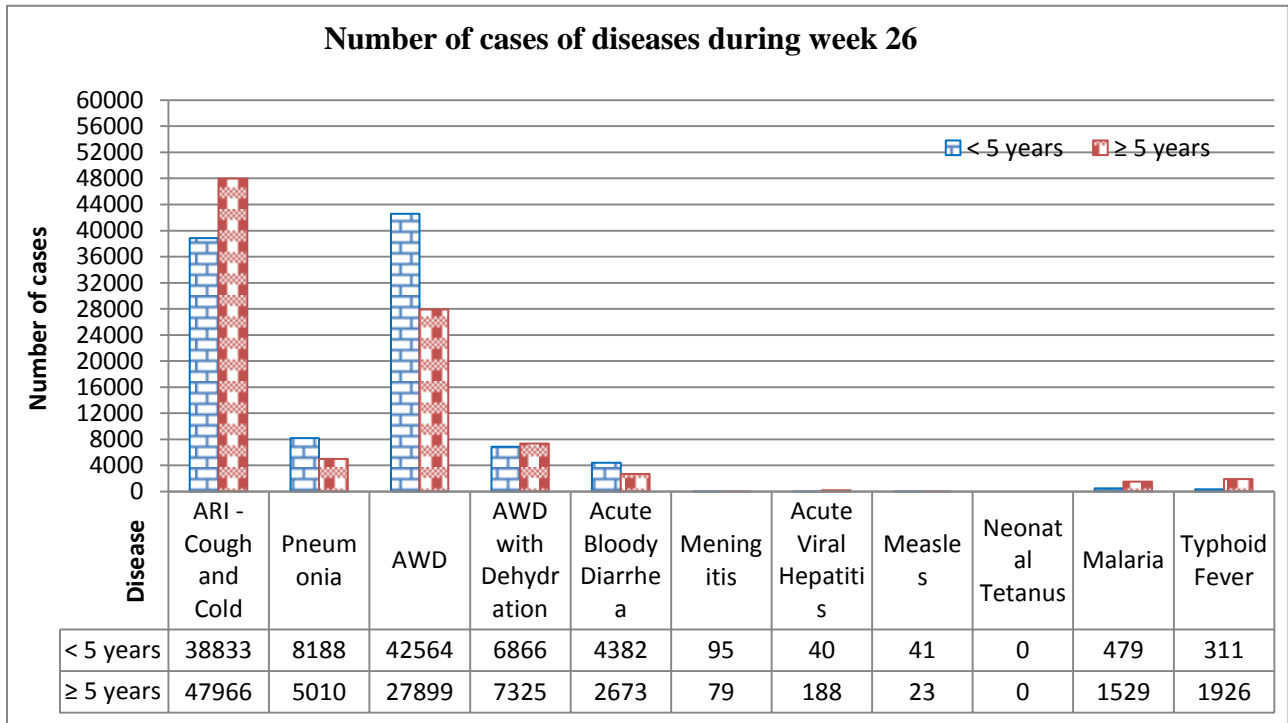
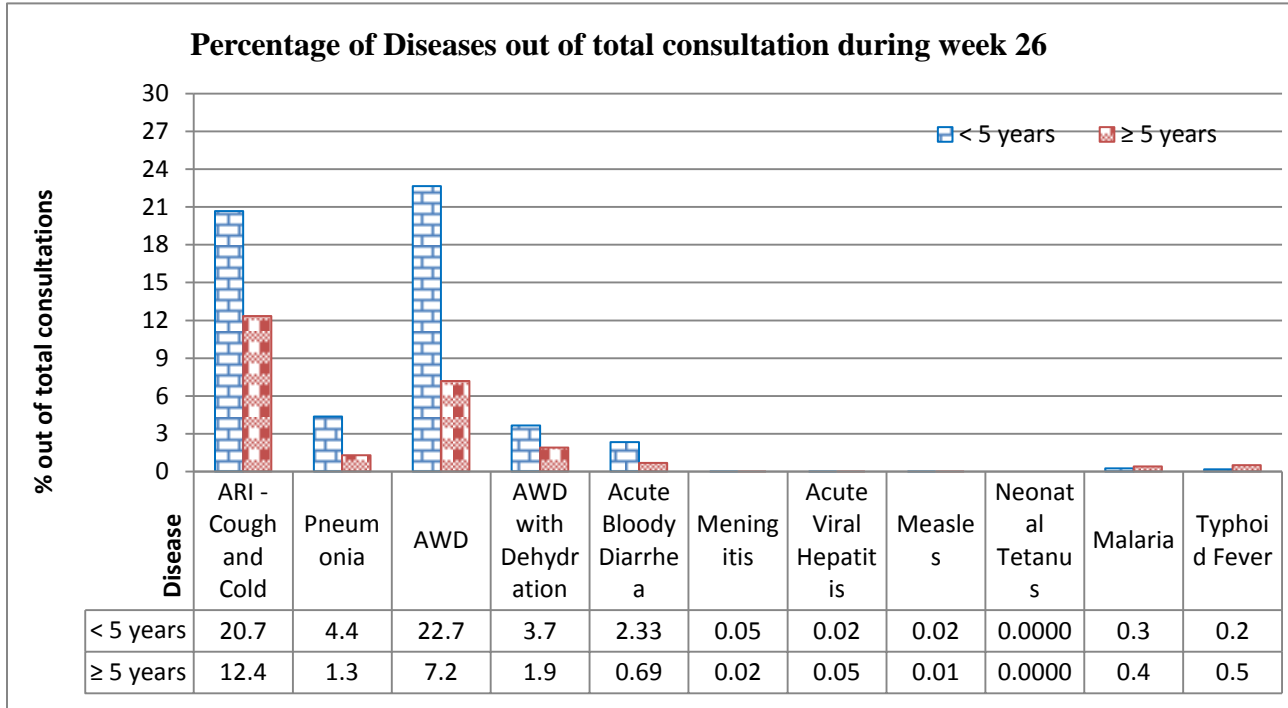
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Subcenter	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	1017	2,693
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.

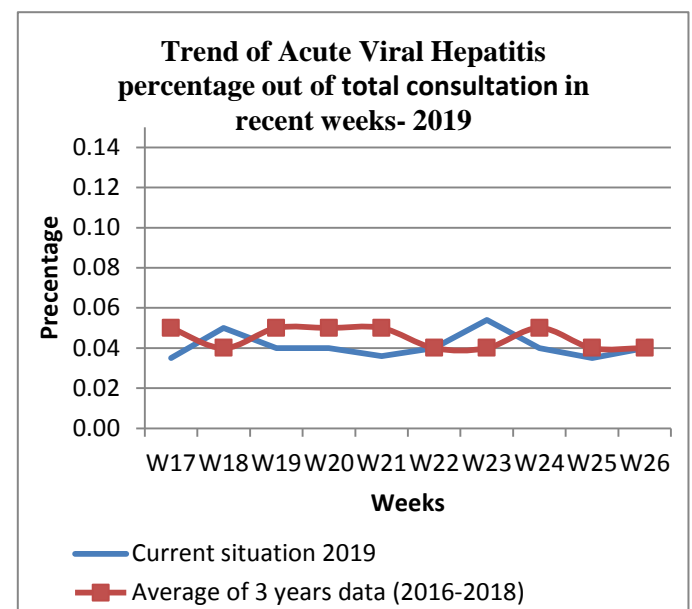
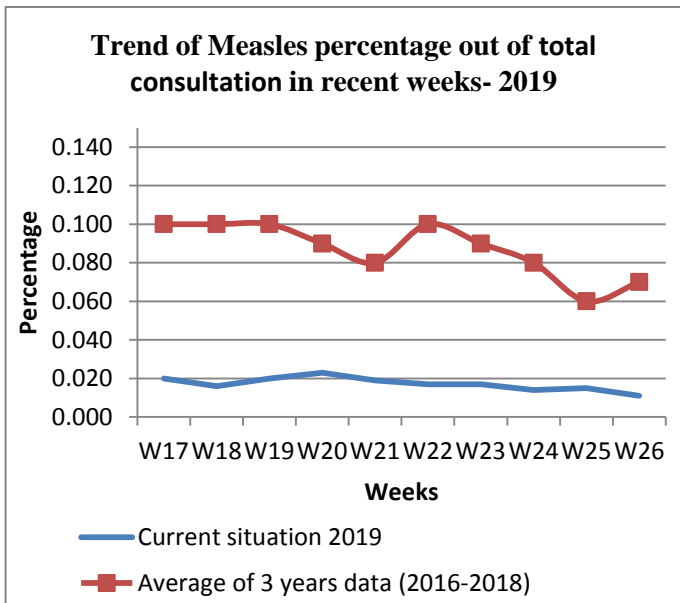
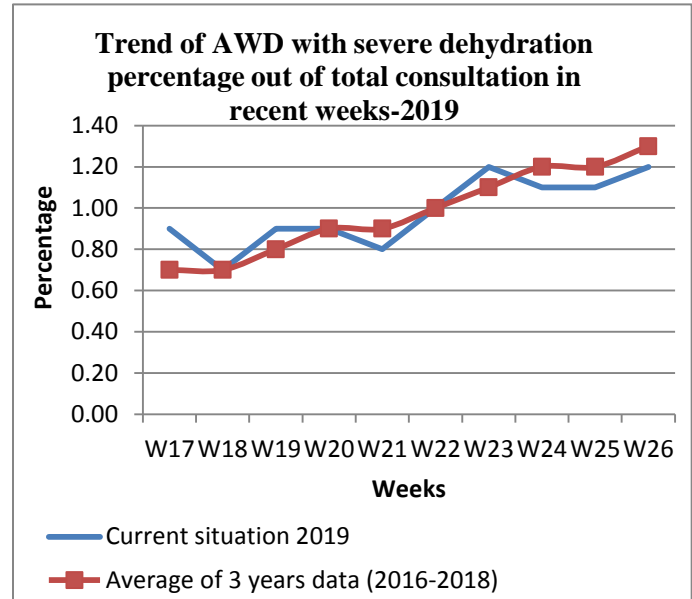
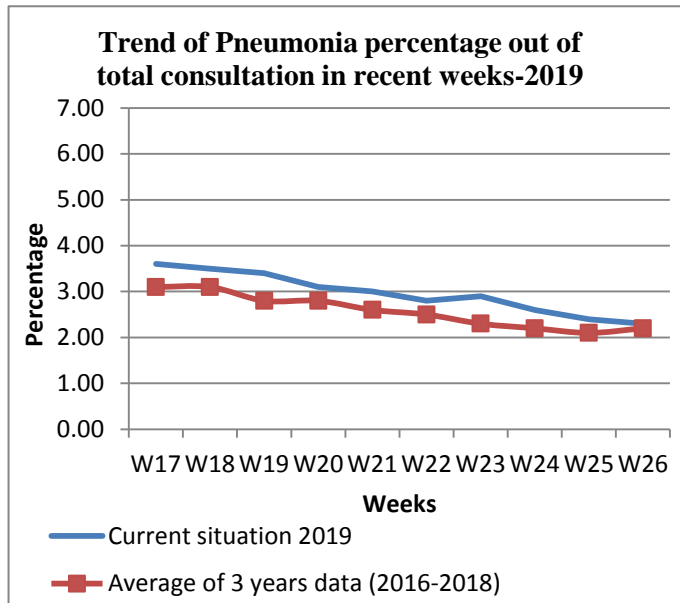
Figure 2: NDSR targeted diseases



Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 26th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	41	23	64	1	0	1	1.56
Pertussis	1	0	1	0	0	0	0.00



Seasonal Diseases:

During week 26th total of 19 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			
24 June 2019	Logar	Baraki Barak	Akhond Khil	1	0	16 Y	Housewife	During this week 17 suspected CCHF cases were reported from Herat, Kabul, Logar, Kapisa, Balkh, Parwan, Helmand, Zabul and Badghis 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 5.9% (per 100) in this week			
25 June 2019	Kapisa	Hesa-e-doum	Murad	1	0	16 Y	Farmer				
26 June 2019	Kabul	District 7	Sai rahi Alawuddin	1	0	18 Y	Bucher				
26 June 2019	Kapisa	Mahmudra qi	Qorutak	1	0	14 Y	Student				
26 June 2019	Balkh	Mazar-e-sharif	Balkh	1	0	35 Y	Peon				
26 June 2019	Kabul	District 16	Qala zaman khan	1	0	35 Y	Butcher				
28 June 2019	Parwan	Charikar	Qala kohna	1	0	32 Y	Animal dealer				
29 June 2019	Kabul	Paghman	Arghandi	1	1	45 Y	Shepherd				
29 June 2019	Hirat	Injel	Shahr	1	0	45 Y	Guard				
29 June 2019	Helmand	Baghran	Baghni	1	0	50 Y	Housewife				
29 June 2019	Zabul	Khak afghan	Alom	1	0	16 Y	Housewife				
23 June 2019	Hirat	City	Jakan	1	0	20 Y	Daily wage Worker				
13 June 2019	Badghis	Marghab	Morghab	1	0	18 Y	Farmer				
26 June 2019	Hirat	City	Pain ab	1	0	28 Y	Worker				
26 June 2019	Hirat	City	Area 5th	1	0	45 Y	Butcher				
27 June 2019	Hirat	Injil	Dastgard	1	0	20 Y	Butcher				
27 June 2019	Hirat	Injil	Polie hashimi	1	0	12 Y	Child				
Measles outbreak											
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths			coverage %	Vaccination
27 June 2019	Kandahar	Daman	Andar Abad	5	2	7	0	60 %	31	In this week one Measles outbreak reported from Kandahar province, the outbreak was investigated, case management was done for all the cases, and	

										health education session was conducted.
Ring Worm outbreak										
Reported date	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
23 June 2019	Kunar	Sawkay	Sawkay Ruzantoon	36	0	In this week one Ringworm 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				

Figure 3: Outbreaks investigated during the week 26th, 2019

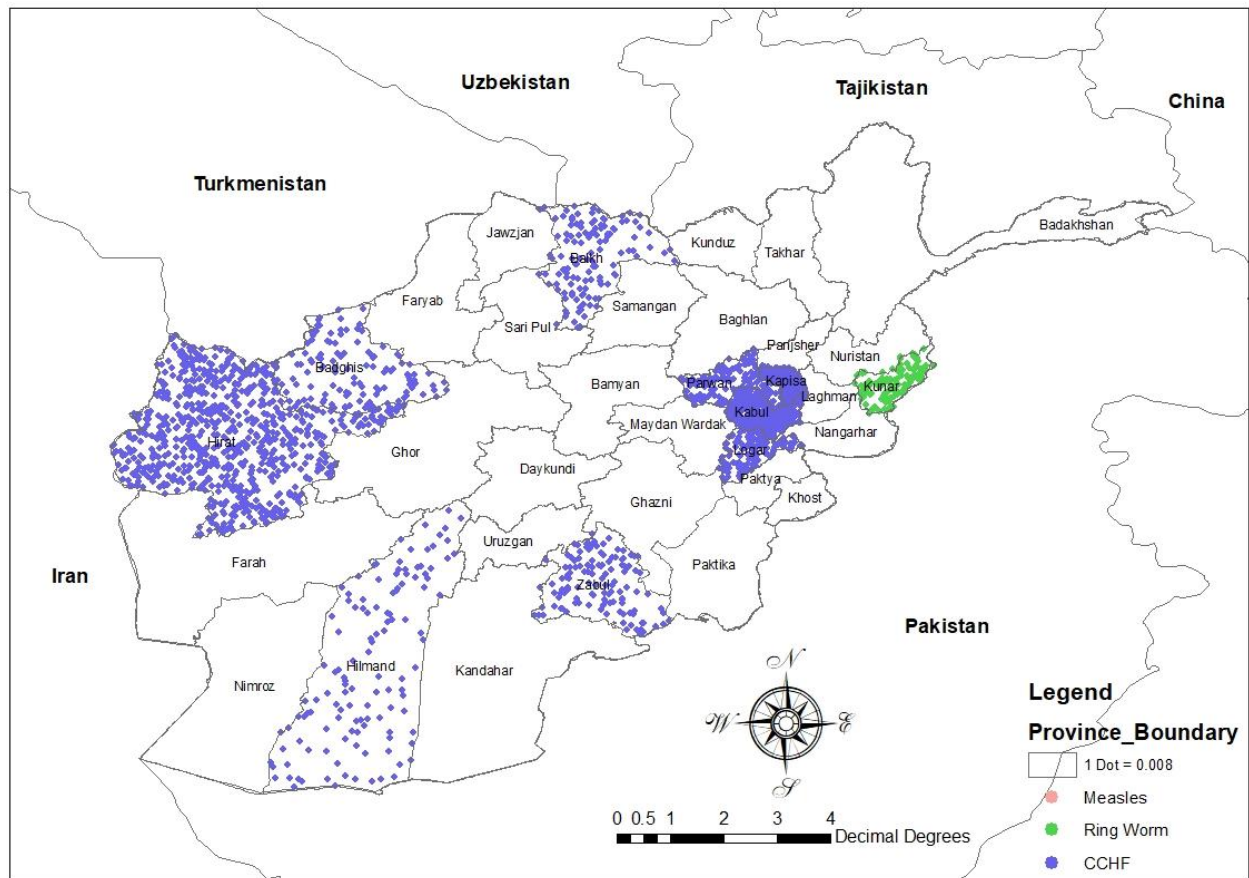


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 29 June 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	164	20	168	22
Measles	21	15	188	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
Mass psychogenic Illness	1	0	12	0
Pneumonia	1	0	51	3
Mushroom poisoning	1	0	9	0
ARI	1	0	629	0
Ring Worm	1	0	36	0
Acute Viral Hepatitis	1	1	33	0
Unknown Hemorrhagic	1	0	9	2
Grand Total	251	41	2241	33

Laboratory surveillance:

In this week a total of 19 different specimens/samples were received by CPHL, out of which 03 specimens were positive for Measles and 01 specimen was positive for CCHF while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 26, 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, 128 (3.3%) Severe Acute Respiratory Infections cases were reported and 66 % of them were among under 5 years old. The proportion of SARI cases was slightly decreased compared to week 25, 2019. Two SARI associated deaths were reported in this week.

At the provincial level, the top sentinel site with highest proportion of SARI cases were Kabul (25%) followed by Kapisa (23%) and Bamyan 11.3%).

In Epi week 26, our influenza surveillance assistants collected 27 SARI and 18 ILI specimens and sent them to the National Influenza Center.

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 17 suspected CCHF cases in this week, further prevention and control measures can be conducted by CDC/MAIL.
- **RH:** 06 pregnancy related deaths were reported which need the follow up by assigned maternal death review committees.
- **EPI:** As the system detected 65 vaccine preventable diseases suspected cases (Measles 64 cases, Pertussis 01 case), further investigation should be conducted by EPI team.
- **Lab surveillance:** 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