



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-11th

Date: 08 to 14 Mar 2020

Summary:

- Out of 520 functional Surveillance sentinel sites, 496(95.4%) have submitted reports this week.
- A total of 488,179 new consultations, 174,785 (36.6%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 120,169 cases, 25.1% out of total new consultations and Pneumonia, 23,258 cases, 4.9% out of total new consultations, Acute Diarrheal Diseases, 29,774 cases, 6.2% out of total new consultations.
- A total of 240 deaths were reported this week, of which 36 were due to Surveillance targeted diseases, which includes 32 Pneumonia deaths, 02 Meningitis deaths, one Acute Bloody Diarrhea death and one Pregnancy related death.
- A total of 16 outbreaks reported this week; of which 11 COVID-19 outbreaks with 42 confirmed cases reported from Herat, Kabul, Samangan, Logar, Balkh, Badghis, Farah, Kandahar, Zabul, Kapisa, and Daikundi provinces, 03 suspected CCHF outbreaks reported from Wardak, Kunduz and Helmand provinces, one Pertussis outbreak report from Paktya province and one Chickenpox outbreak report from Daikundi province.

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

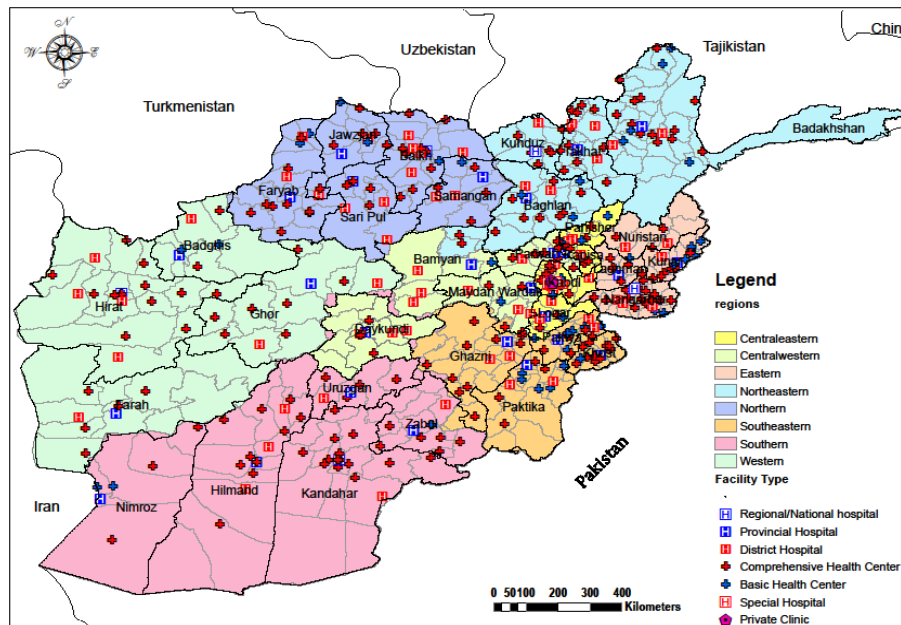


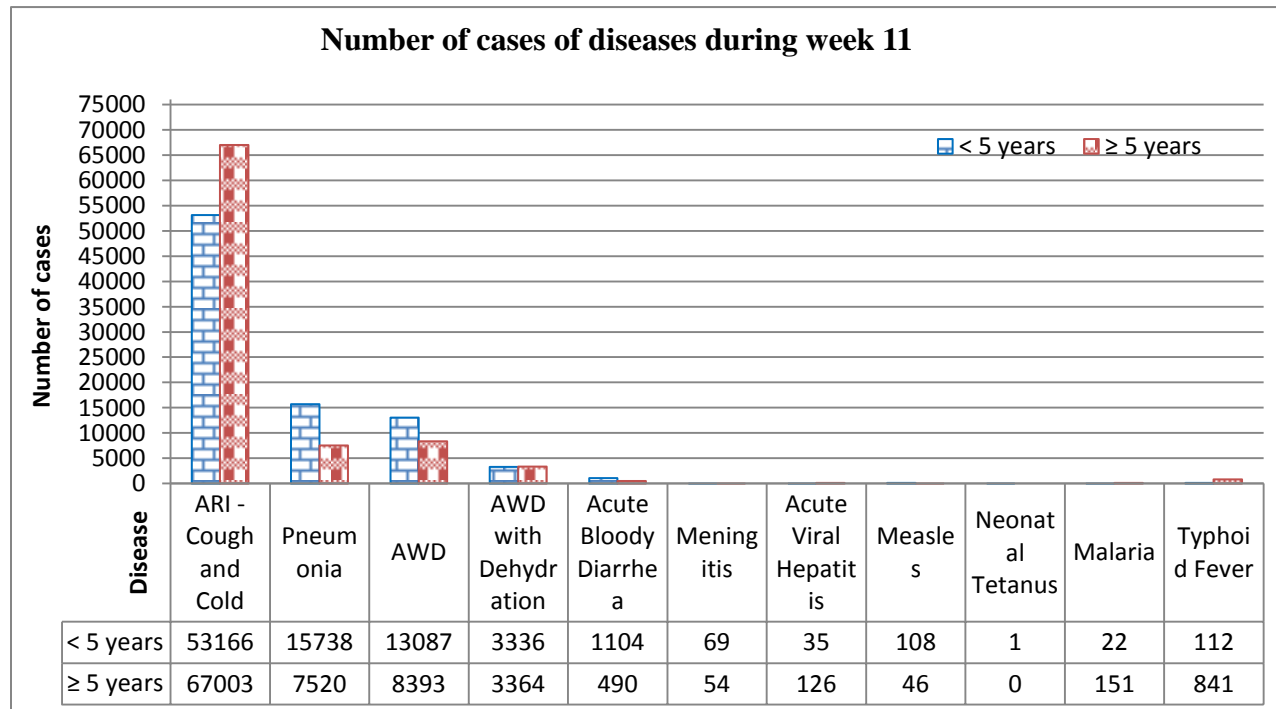
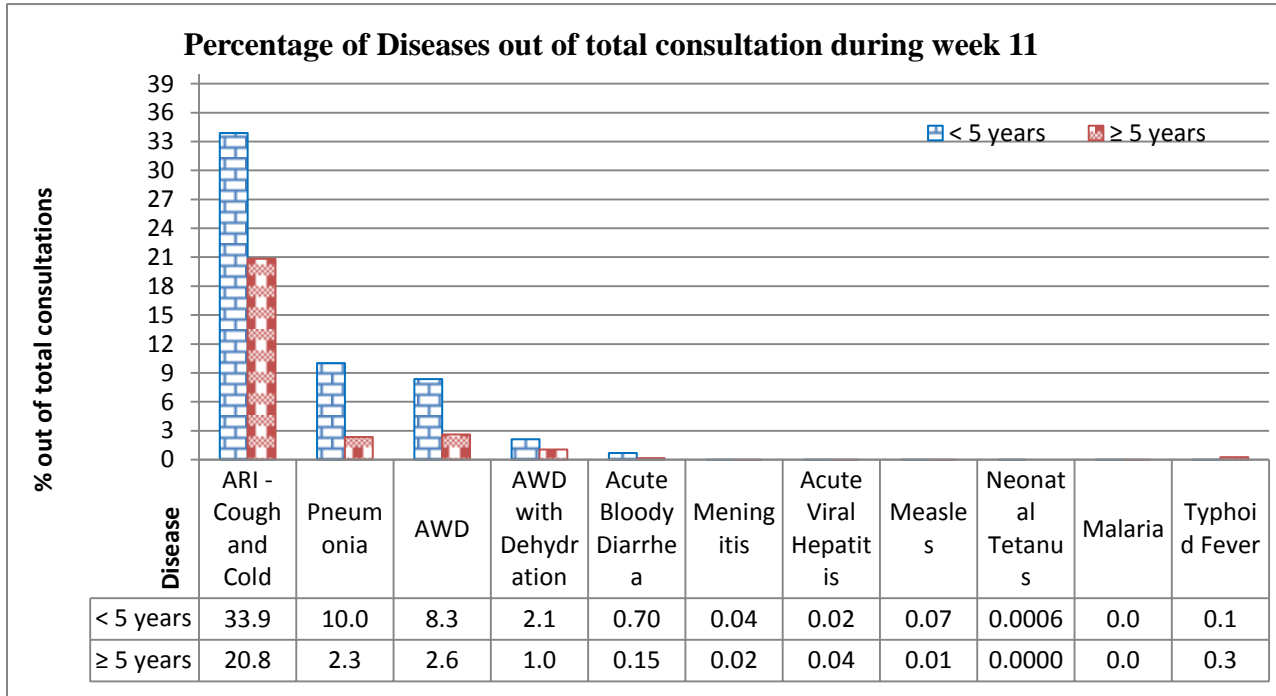
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	3,718
HF covered by NDSR-Plus	32	77	396	12	3	520

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

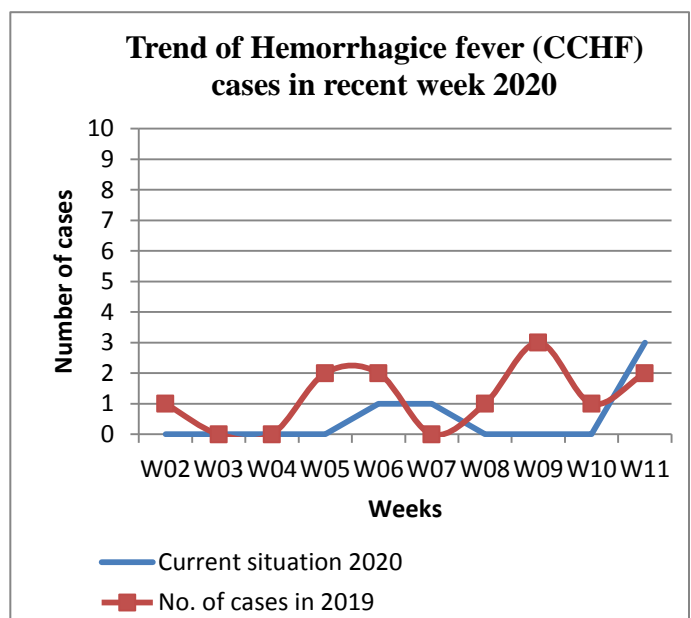
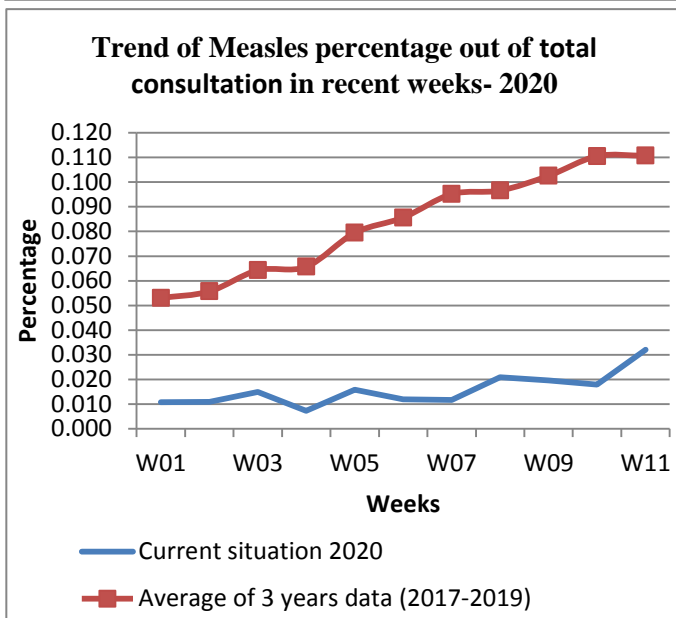
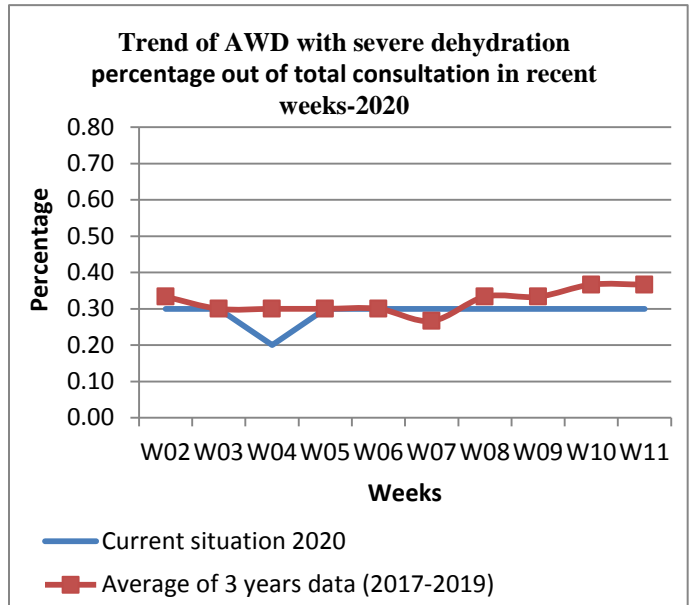
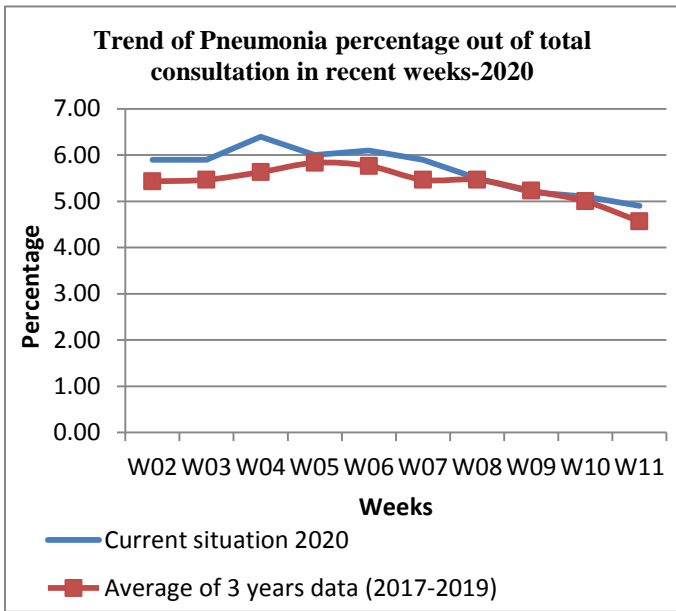


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 11th 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	108	46	154	0	0	0	0.00
Neonatal tetanus	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 11th total of 12 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Confirmed COVID-19 Outbreaks								
Reported date	Province	Isolation wards	Confirmed cases	Travel history to infected countries	Total deaths	Number of recovered cases	Recommendation/Action take	
22 Feb to 18 March 2020	Herat	Herat regional Hospital	22	21	0	1	Total 42 confirmed COVID-19 cases were reported from Herat, Kabul, Samangan, Logar, Balkh, Badghis, Farah, Kandahar, Zabul, Kapisa and Daikundi provinces the cases are isolated in the isolation wards, case management is underway for all the cases, and contact tracing is also conducted, still two case are recovered	
22 Mar 2020	Kabul	Afghan Japan Hospital	2	1	0	0		
06 March 2020	Samangan	Aibak provincial Hospital	4	3	0	0		
15 March 2020	Logar	Nayeb Aminullah Khan 100 Beds Hospital	3	3	0	0		
13 March 2020	Balkh	Mazar-i- Sharif Hospital RH	3	2	1	0		
13 March 2020	Badghis	Qala-e-Naw Hospital PH	1	1	0	0		
22 Mar 2020	Farah	Farah PH	2	2	0	0		
22 Mar 2020	Kandahar	Ainomena Hospital	1	0	0	0		
22 Mar 2020	Zabul	Zabul PH	2	1	0	0		
12 March 2020	Kapisa	Mahmood Raqi Hospital	1	1	0	0		
13 March 2020	Daikundi	Daikundi Hospital PH	1	1	0	1		
Suspected CCHF Outbreaks								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
12 March 2020	Wardak	Diy mardard	Shahumakhail	1	0	22 Y	Worker	During this week 03 suspected CCHF cases were reported from, Wardak, Helmand and Kunduz provinces, had probable contact with animals or the tissues of the animal, case management was done, health education sessions were conducted. No death was reported
7 March 2020	Helmand	Kajaki	Zamindawar	1	0	12 Y	Other	
8 March 2020	Kunduz	Qalai zal	Aqtapa	1	0	17 Y	Housewife	
Suspected Pertussis Outbreak								

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
10 March 2020	Paktia	Zurmat	Kolago	5	0	5	0	40 %	NA	In this week One Suspected Pertussis outbreak was reported from Paktia province, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, health education session was conducted as well.

Suspected Chickenpox Outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
23 Feb 2020	Daikundi	Central prison	Central prison of Daikundi	16	0	In this week 01 suspected Chickenpox outbreak was reported from Daikundi province, the outbreaks were investigated, case management was done for all the cases, and health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 11th, 2020

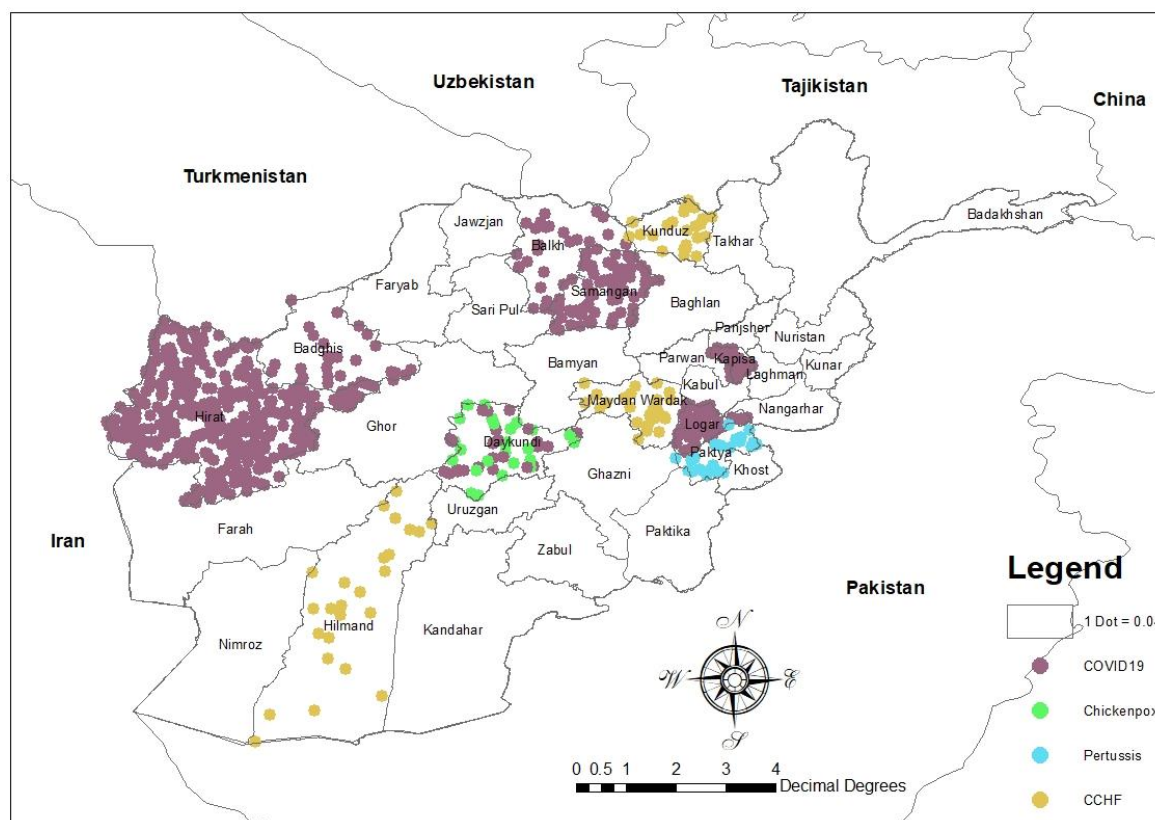


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 14 March 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	10	2	157	1
CCHF	7	0	7	1
COVID 19	11	11	41	1
Pertussis	6	0	37	0
Chickenpox	5	0	94	0
Dog bites/Suspected Rabies	5	0	58	0
Scabies	5	0	240	0
Pneumonia	2	0	208	46
Mumps	1	0	51	0
Acute Bloody diarrhea	1	0	120	0
Acute Viral Hepatitis	1	0	10	0
Leishmaniasis	1	1	12	0
Grand Total	55	14	1035	49

Laboratory surveillance:

A total of 203 different specimens/samples were received by CPHL, out of which 42 specimens were positive for COVID-19 while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiological week 11th, 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, 291 (10%) Severe Acute Respiratory Infections cases were reported and 72% of them were among under 5 years old. The proportion of SARI cases was same compared to week 10th, 2020. One SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (100%), followed by Kapisa (64%) and Bamyan (25%). In this Epidemiological week, our field staff sent 59 SARI and 32 ILI specimens to the National Influenza Center (NIC)

Surveillance activities on COVID-19 Surveillance

Still NIC received 449 specimens for suspected COVID-19. Out of which 42 samples are confirmed for COVID 19 by rtPCR (22 from Herat, 02 from Kabul, 03 from Logar, 02 from Farah, 03 from Balkh, 01 from Kandahar, 04 from Samangan, 01 from Daikundi, 01 from Kapisa, 01 from Badghis, 02 from Zabul provinces). The cases have been isolated in the isolation wards and contact tracing have been continuing till 14 days of their last contact with the cases.

Surveillance screening teams screened all the passengers which returned from China, Iran, Italy and South Korea, still more than 253596 people are screened, all screened passengers have been checked for fever and their contact detail recorded for additional follow up, and health education are conducted for them.

Recommendations:

- Community surveillance for COVID-19 should be strengthened in all public and private health facilities and CHW should also report these cases
- SARI (Severe Acute Respiratory Infection) surveillance in adults (>18 years) should be started and lab samples from those cases which are not responded with antibiotic during 48 hours should be collected.
- Mobile health teams in big cities should be established for community awareness, lab sampling and fumigation.
- Screening for the passengers coming from countries with local transmission should be strengthened in all international airports and ground crossing borders in Afghanistan, passengers with signs and symptoms should be isolated in the selected hospitals and passengers without signs and symptoms should be home quarantined
- Screening of passengers entering to all the provinces should be started in all 34 provinces
- Exit screening of passengers from Herat, Nimroz and Farah provinces should be started
- Health education session on COVID-19 should be conducted in all public and private HFs in the provinces
- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **EPI:** As the system detected 154 suspected Measles cases, 05 suspected Pertussis and 01 suspected Neonatal tetanus case, 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.