



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report–36<sup>th</sup>

Date: 30<sup>th</sup> Aug to 05<sup>th</sup> Sep 2020

### Summary:

- Out of 513 functional Surveillance sentinel sites, 493(96.1%) 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, 72,411 cases, 16.1% out of total new consultations, ARI (Cough & Cold), 80,319 cases, 17.8% out of total new consultations and Pneumonia, 11,119 cases, 2.5% out of total new consultations.
- A total of 203 deaths were reported this week, of which 45 were due to Surveillance targeted diseases, which includes 20 Pneumonia deaths, 09 Meningitis deaths, 07 Acute Diarrheal Disease deaths, 04 Acute Viral Hepatitis deaths, 03 Pregnancy related deaths and 02 Hemorrhagic fever deaths.
- A total of 11 outbreaks reported this week; of which 08 CCHF cases reported from Herat, Kabul, Kandahar and Paktya provinces, one Tick bite outbreak reported from Herat province, one Scabies outbreak reported from Khost province and one Food Poisoning outbreak reported from Laghman province and 233 COVID-19 confirmed cases reported from different provinces.

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

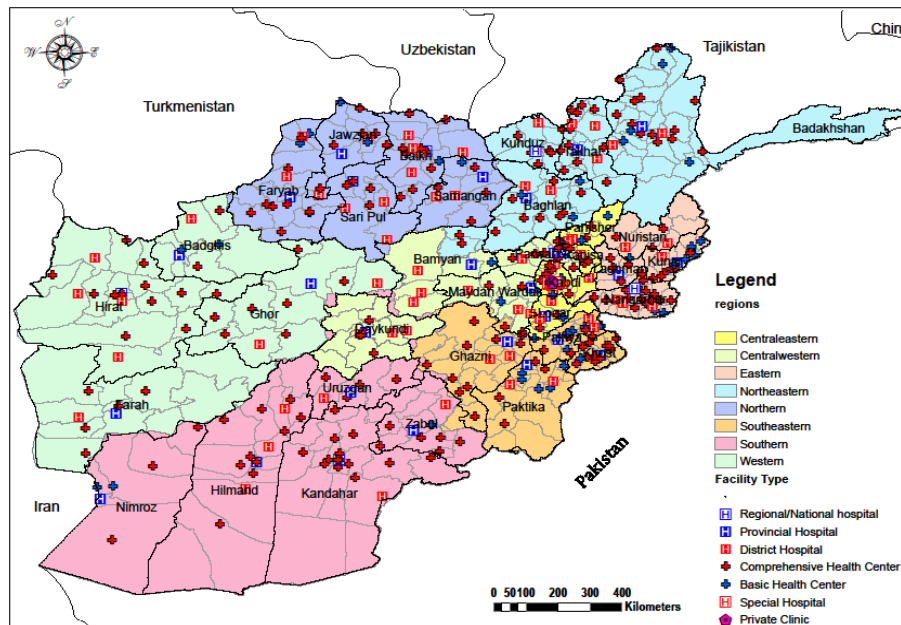


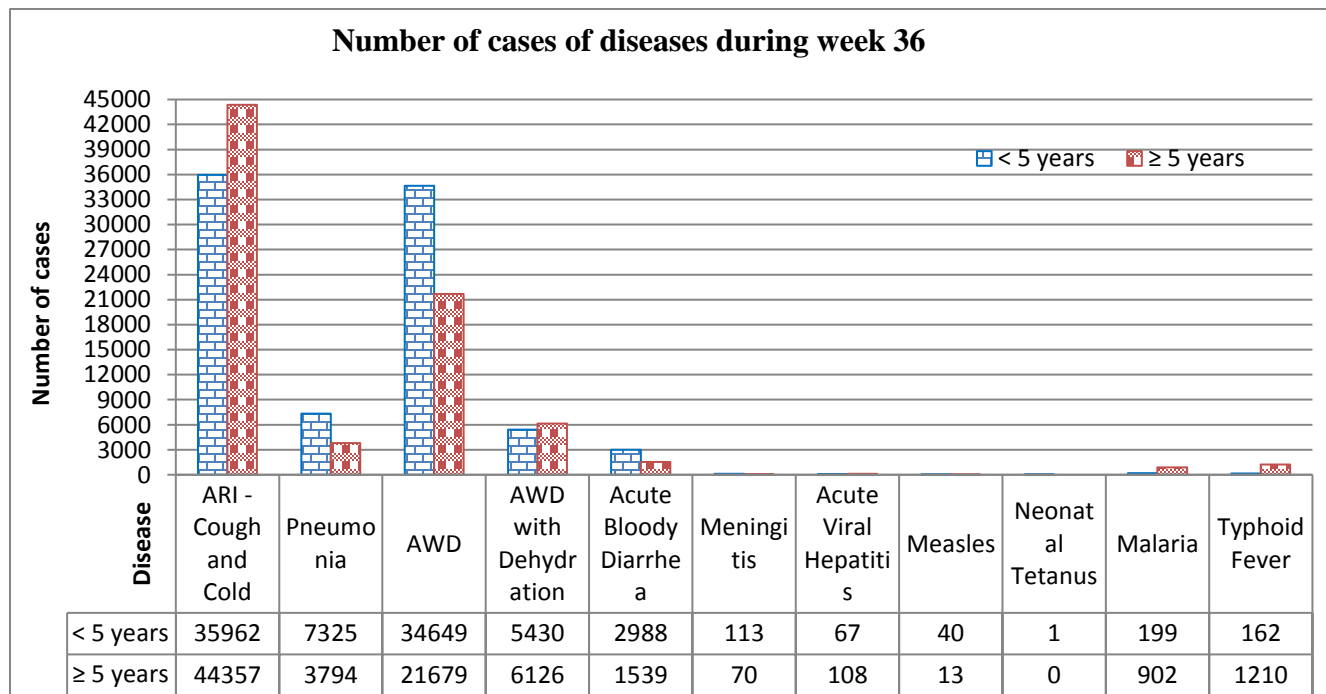
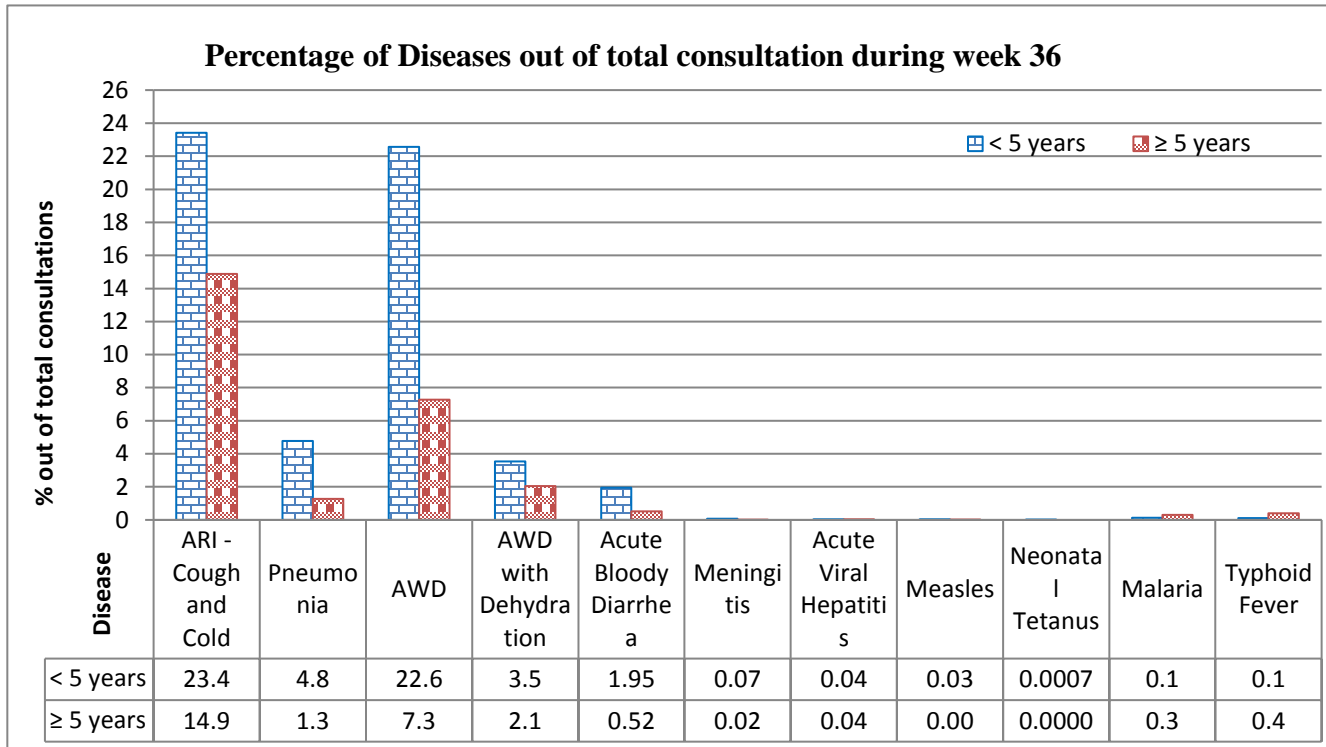
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	<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**

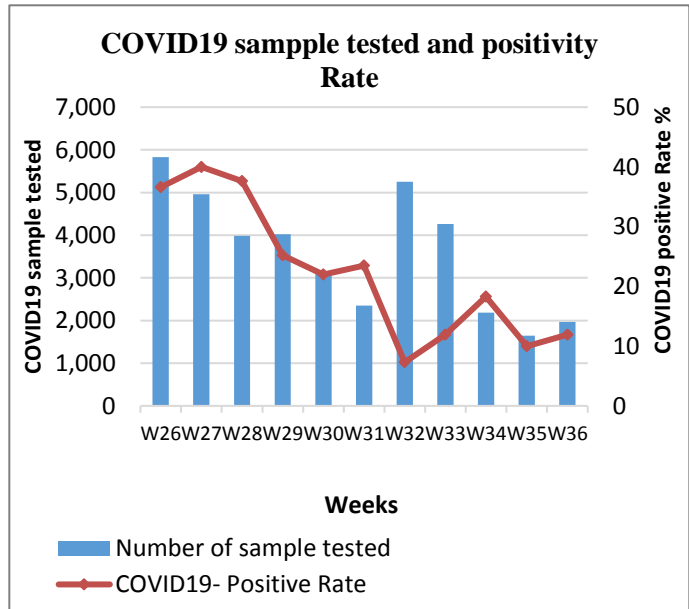
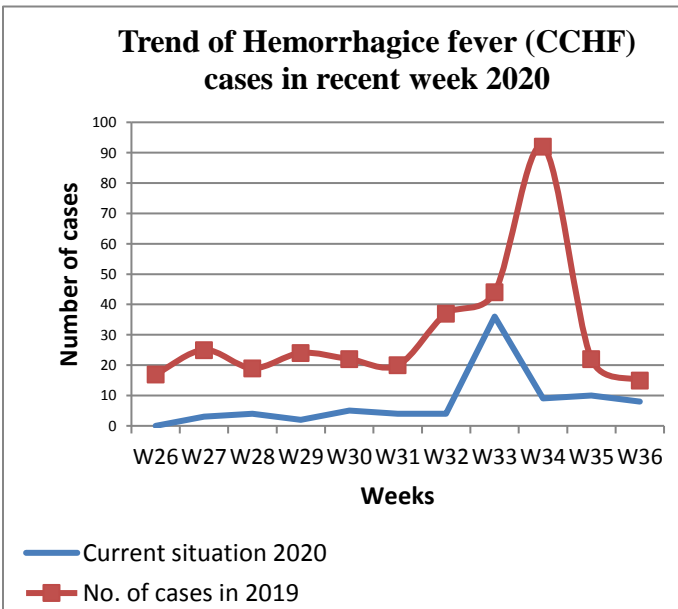
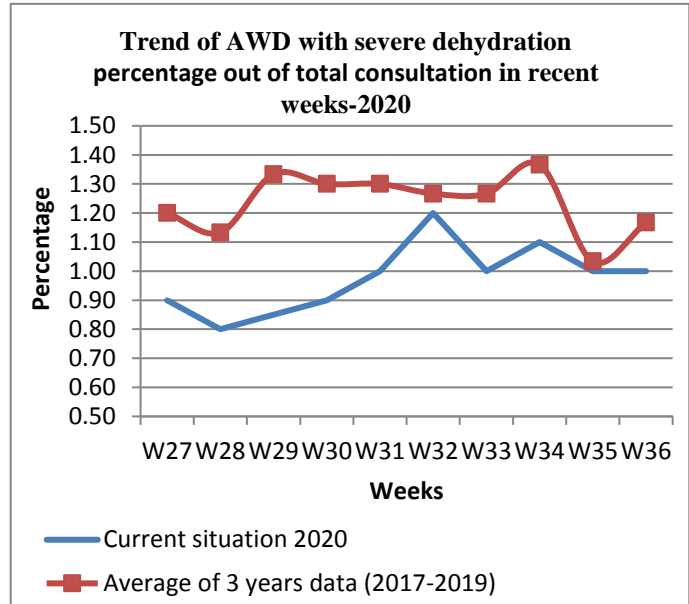
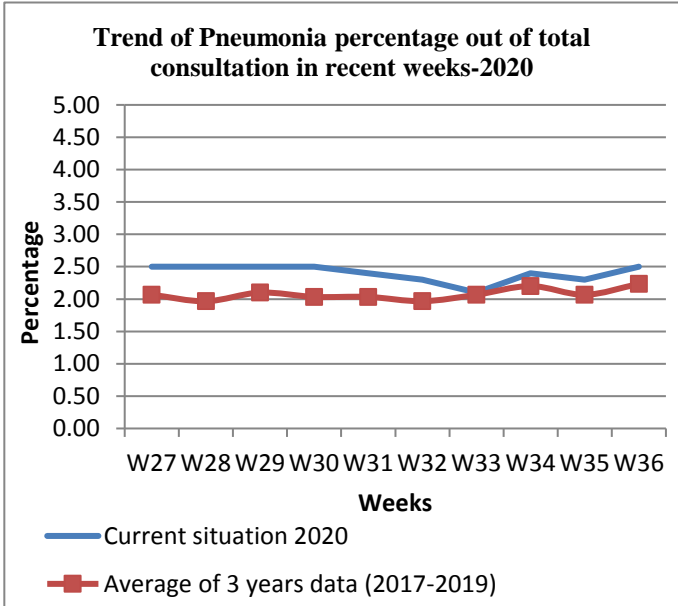


## Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 36<sup>th</sup> 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	40	13	53	0	0	0	0
Neonatal tetanus	1	0	1	0	0	0	0.00

### Seasonal Diseases:



During week 36<sup>th</sup> total of (11) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Suspected CCHF Outbreaks								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
31 August 2020	Herat	Injil	Chongar	1	1	45	Housewife	During this week 08 suspected CCHF cases were reported from Herat, Kabul, Paktya and Kandahar 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. Two deaths were reported due to CCHF in this week Case Fatality rate for CCHF was 25% (per 100) in this week
01 September 2020	Herat	Farga	A-11	1	0	18	Butcher	
02 September 2020	Herat	City	Polrangina	1	1	45	Butcher	
02 September 2020	Herat	Emamshnor	Nawabad	1	0	26	Farmer	
30 August 2020	Paktia	0	Gardiz	1	0	50	Animal dealer	
30 August 2020	Kabul	Chahar Dihi	District 13	1	0	16	Animal dealer	
03 September 2020	Kabul	Binhesar	District 08	1	0	40	Jobless	
01 September 2020	Kandahar	Center	Center	1	0	35	Other	

Suspected Tick bite / Outbreak						
Date	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
25 August	Herat	Area 09	Minaret camp	27	0	In this week one suspected Tick bite outbreak was reported from Herat province, the outbreak was investigated, preventive measures such insecticide spray was used in the affected houses, also case management (symptomatic treatment of the cases was given), and health education session was conducted as well.

Suspected Scabies/ Outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
30 August 2020	Khost	Gurbz	Makha	55	0	In this week one clinical Scabies outbreak was reported from Khost province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted in the affected villages.

Suspected Food poisoning / Outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take

02 September 2020	Laghman	Qarghaee	Moh. Ali khass	24	0	In this week one suspected Food poisoning outbreak was reported from Laghman province from a wedding party, the outbreak was investigated, samples were collected and shifted to CPHL, case management was done (Symptomatic treatment) for all the cases, and health education session was conducted as well.
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Figure 3: Outbreaks investigated during the week 36<sup>th</sup>, 2020

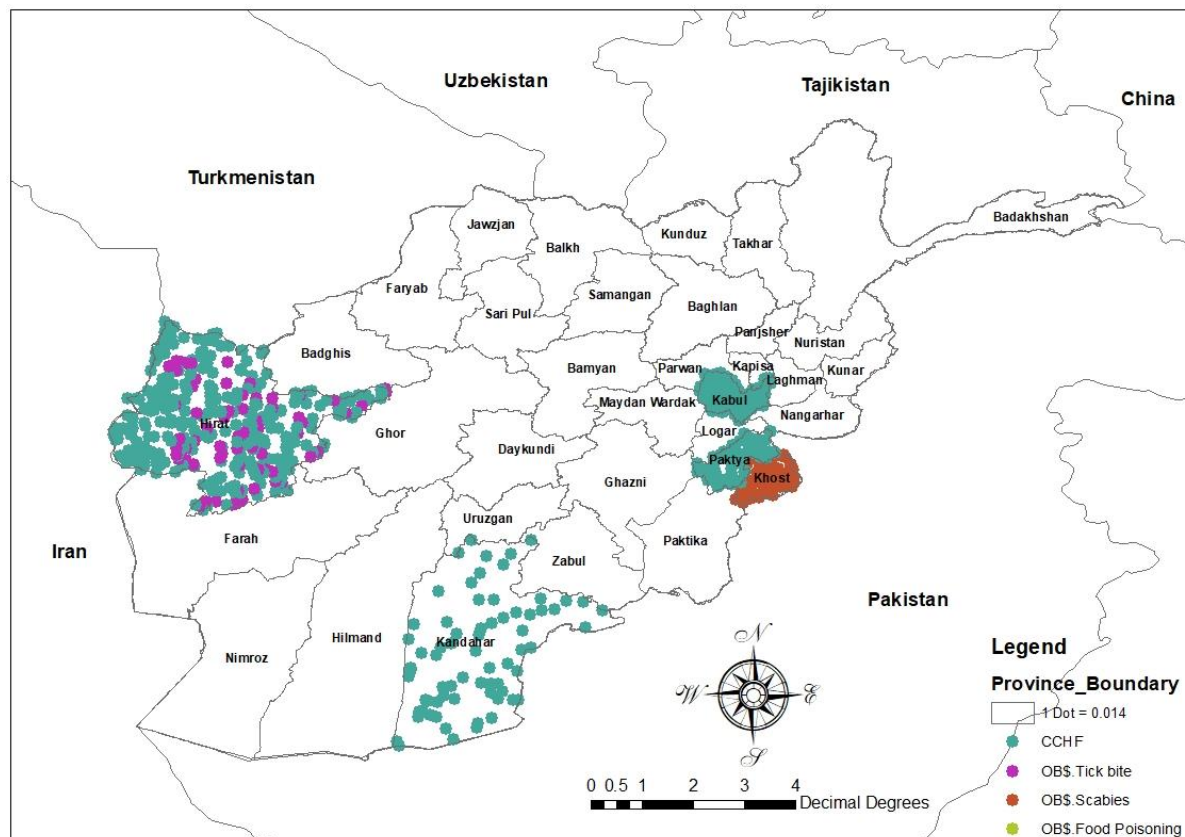


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 05<sup>th</sup> Sep 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
CCHF	138	10	140	12
Measles	24	2	278	3
Scabies	8	0	348	0
Pertussis	7	0	42	0
Chickenpox	7	0	137	0
Dog bites/Suspected Rabies	5	0	58	0
Pneumonia	2	0	208	46

Acute Bloody diarrhea	1	0	120	0
Leishmaniasis	1	1	12	0
Acute Viral Hepatitis	1	0	10	0
COVID 19	1	1	38398	1412
Mumps	1	0	51	0
Tick Bite	1	0	27	0
Food poisoning	1	0	24	0
<b>Total</b>	<b>198</b>	<b>14</b>	<b>39853</b>	<b>1473</b>

### Laboratory surveillance:

A total of 1,977 specimens were collected and shipped to CPHL. Out of which 233 specimens were confirmed for COVID 19 and 01 specimen was positive for CCHF.

### Influenza Surveillance activities:

In Epidemiological week 36th, 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, 107 (4%) Severe Acute Respiratory Infections cases were reported and 64% of them were among under 5 years old. The proportion of SARI cases was same as compared to week 35th, 2020. Two SARI associated deaths reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Bamyan (24%), Kabul (15%) and Kapisa(14%). In this Epidemiological week, our field staff sent 31 SARI and 11 ILI specimens to the National Influenza Center (NIC).

### COVID-19 Surveillance activities:

In this week 1,965 specimens for suspected COVID-19 were tested. Out of which 233 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in home quarantine,

Out of 618 contacts of 233 positive cases which were mostly family members with an average of 2 contacts per case, 150 Contacts were included in contact tracing process. And will be continued till 14 days of their last contact with the cases.

Also surveillance screening teams screened all the passengers in the points of entry for fever, and health education was conducted for them, about 216,677 passengers have been screened for COVID-19 in the point of entry of nine provinces (Kabul, Herat, Paktika, Balkh, Farah, Nimroz, Kandahar, Nangarhar and Kunduz provinces).

Data collection system from the private labs and COVID-19 clinical cases is established

### Challenges:

- Shortage of Lab consumable for conducting rtPCR for COVID-19 cases in public labs
- Under-reporting of COVID-19 cases from public/ private HFs, and community
- 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 CCHF cases by public and public HFs

### Recommendations:

- Regular supply of VTM and other consumable for all public labs for conducting rtPCR tests for COVID-19 cases
  - COVID-19 clinical cases reporting should be strengthened in all public and private health facilities and CHW should also report the cases
  - Contact tracing for all contacts of the lab confirmed cases should be implemented by the BPHS implementer NGOs
  - CCHF clinical cases reporting should be strengthened in all public and private health facilities
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- **EPI:** As the system detected 53 suspected Measles cases and 01 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.