



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-22nd

Date: 26 May to 01 June 2019

Summary:

- Out of 651 functional Surveillance sentinel sites, 631(96.9%) have submitted reports this week.
- Out of a total 542,611 new consultations, 185,157(34.1%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 90,261 cases, 16.6% out of total new consultations and Pneumonia, 15,077 cases, 2.8% out of total new consultations) and Acute Diarrheal Diseases, 75,780 cases, 13.9% out of total new consultations.
- A total of 220 deaths were reported this week, of which 37 were due to Surveillance targeted diseases, which includes 27 Pneumonia deaths, 05 Meningitis deaths, 03 Acute Diarrheal Deaths and 02 Hemorrhagic fever deaths.
- Total of 22 outbreaks reported this week; of which 18 were CCHF outbreaks reported from Herat, Kabul, Badakhshan, Ghazni, Helmand, Jawzjan, Kandahar, Kapisa, Kunduz, Nangarhar and Parwan provinces, 02 Chickenpox outbreaks reported from Herat and Kapisa provinces, one Measles outbreak reported from Paktika province and one Pertussis outbreak reported from Jawzjan province.

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

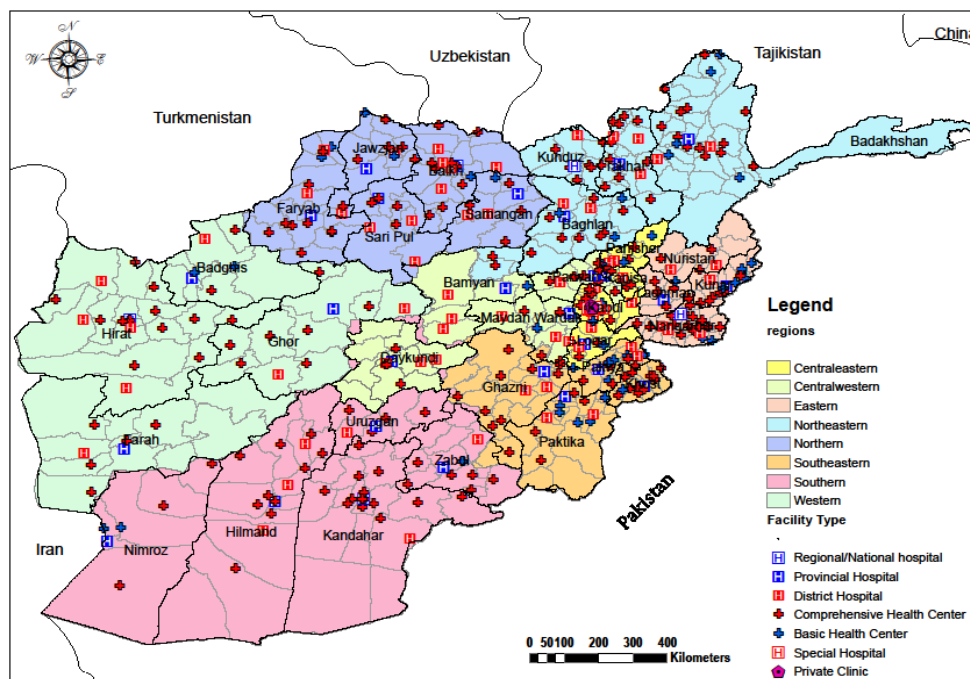


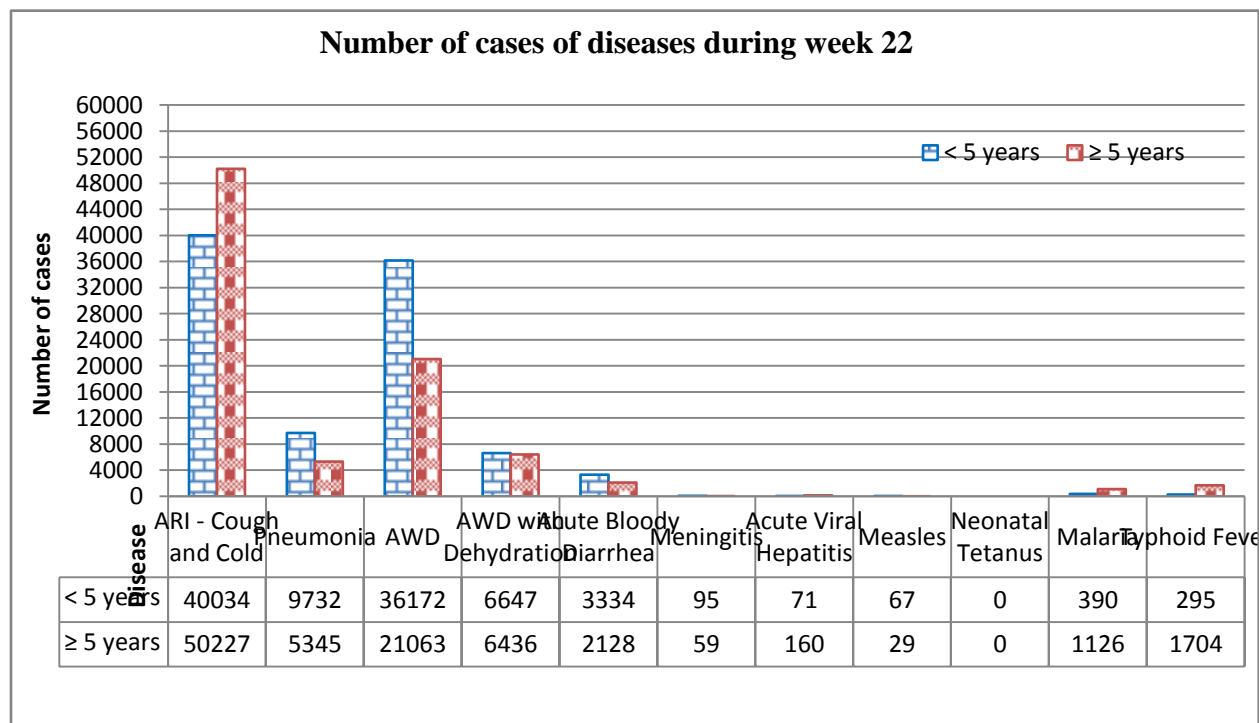
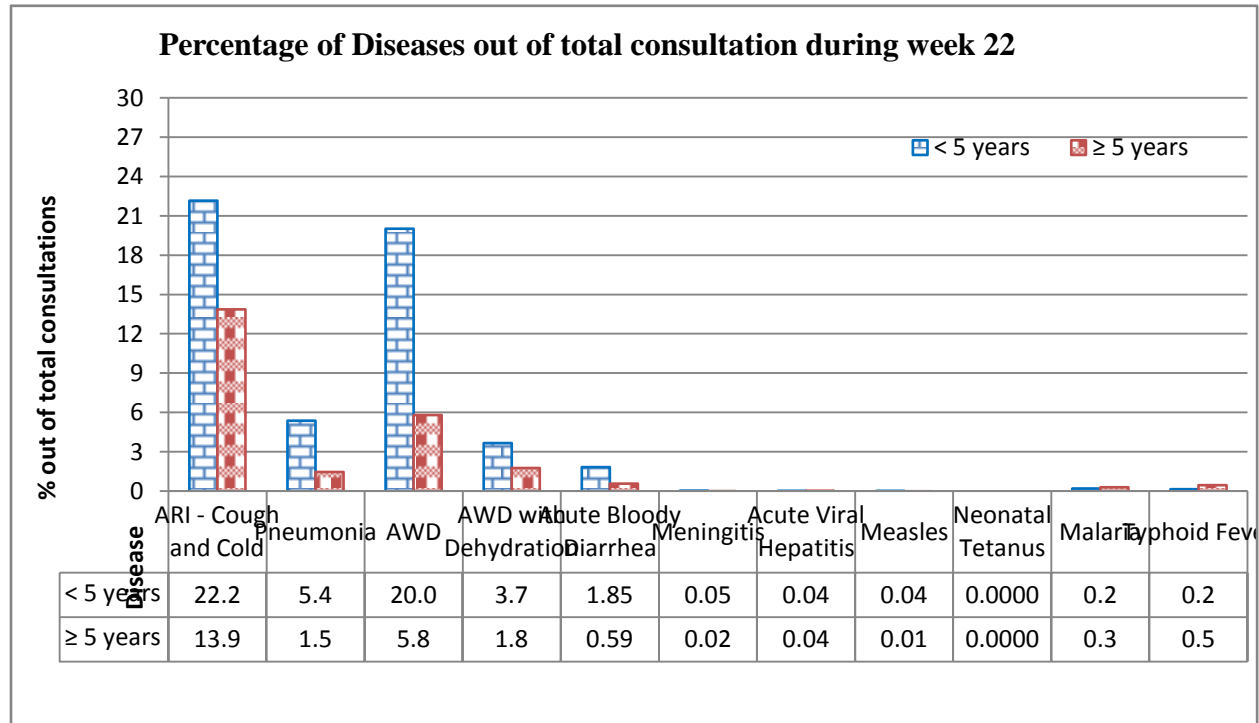
Table 1: Coverage of NDSR Surveillance System

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

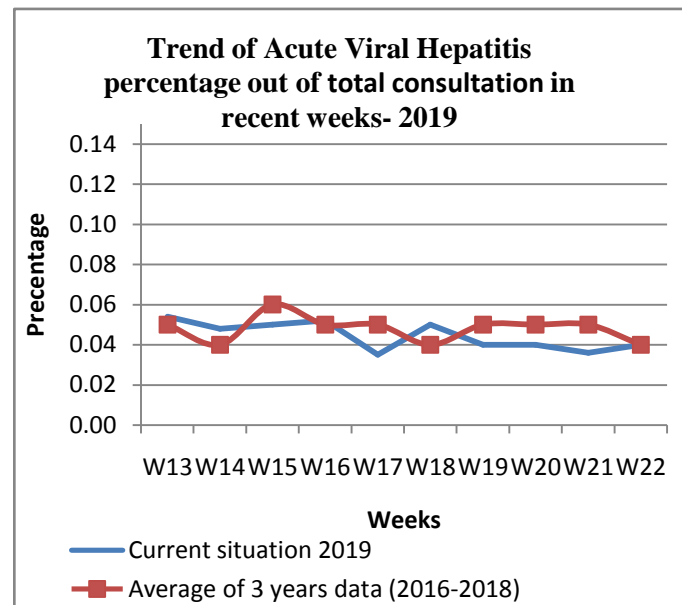
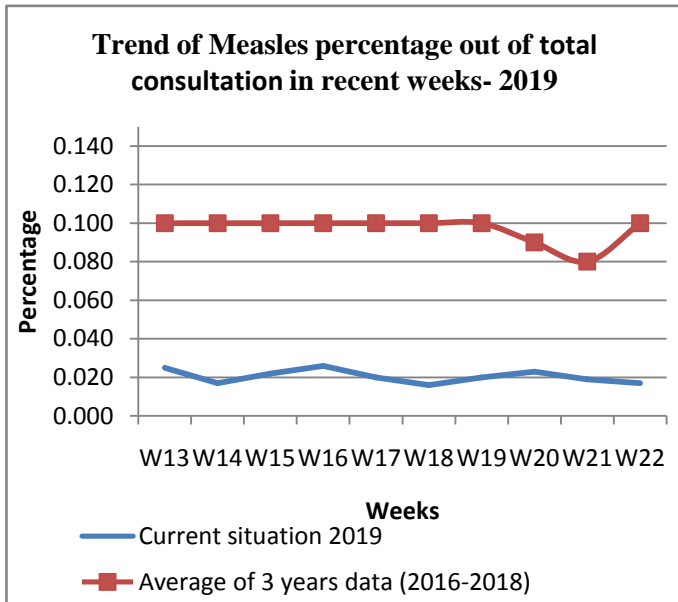
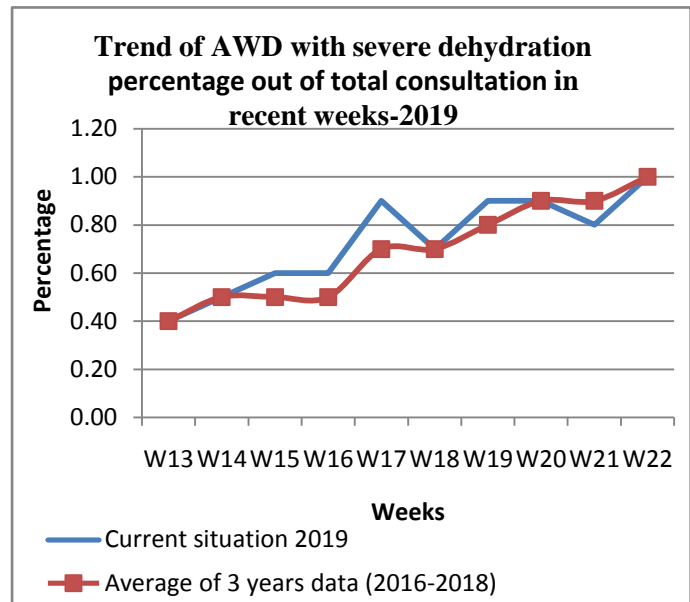
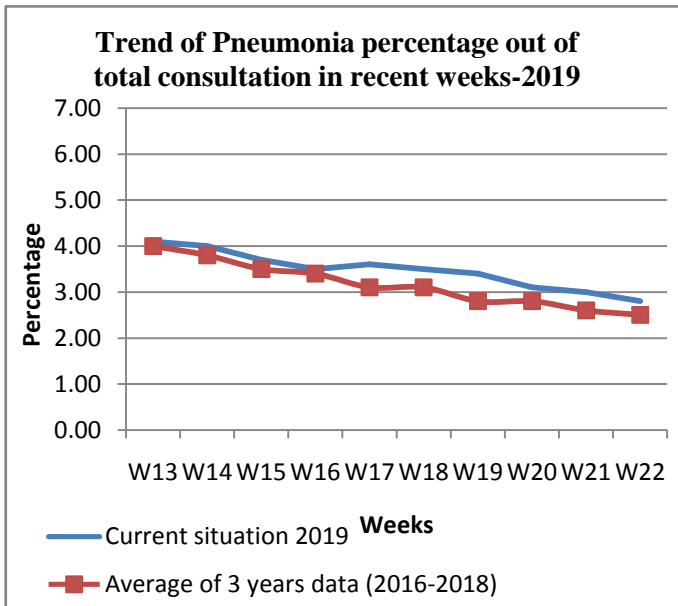


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 22nd, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	67	29	96	0	0	0	0.00
Pertussis	6	11	17	0	0	0	0.00

Seasonal Diseases:



During week 22nd total of 22 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	
26 May 2019	Parwan	Said khil	Incho	1	0	38 Y	Butcher	During this week 18 suspected CCHF cases were reported from Kabul, Herat, Parwan, Badakhshan, Kandahar, Kundoz, Nangarhar, Kapisa, Jawzjan, Ghazni and Helmand 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 5.5% (per 100) in this week	
26 May 2019	Badakhshan	Nasi	Saida	1	0	50 Y	Housewife		
27 May 2019	Kandahar	District 7	Ghazi kalay	1	0	24 Y	Trader		
27 May 2019	Kabul	District 5	Kutasangi	1	0	84 Y	Free work		
28 May 2019	Kunduz	Kunduz city	Chilamazar	1	0	62 Y	Teacher		
29 May 2019	Nangarhar	Kaka	UN	1	1	60 Y	Housewife		
30 May 2019	Kapisa	Mahmmodr aqui	Dortafan	1	0	35 Y	Shepherd		
31 May 2019	Jawzjan	Drazaf	Qulat	1	0	17 Y	Famer		
1 June 2019	Ghazni	Bazar	Ali lala	1	0	65 Y	Animal dealer		
1 June 2019	Kabul	District4	Tank logar	1	0	24 Y	Butcher		
26 May 2019	Helmand	Kajaki	De baba	1	0	40 Y	Housewife		
27 May 2019	Hirat	Hirat city	Karti are 2	1	0	26 Y	Skin dealer		
27 May 2019	Hirat	Injil	Tork abad	1	0	20 Y	Farmer		
27 May 2019	Hirat	Injil	Shoshk rabat	1	0	48 Y	Farmer		
29 May 2019	Hirat	Gulran	Hasan abad	1	0	55 Y	Housewife		
29 May 2019	Hirat	Injil	Noor	1	0	50 Y	Farmer		
29 May 2019	Hirat	Hirat city	Darbe Kandahar	1	0	20 Y	Butcher		
29 May 2019	Hirat	Hirat city	Darbe Kandahar	1	0	33 Y	Bucher		
Chickenpox outbreaks									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
27 May 2019	Hirat	Gulran	Karizkhoshk	11	0	In this week two Chickenpox outbreaks were reported from Khost province, the outbreaks were investigated, case			
27 May 2019	Kapisa	Kohband	Dornama	18	0				

						management was done for all the cases, and health education session was conducted as well
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Measles Outbreak										
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Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
27 May 2019	Pakitika	Shakhil	Kanizaka	4	1	5	0	40%	Low	In this week one Measles outbreak was investigated, 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.

Pertussis Outbreak										
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Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
27 May 2019	Jawzjan	Aqucha	Chilmetra area	4	2	6	0	62%	Low	In this week one Pertussis outbreak was investigated, 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.

Figure 3: Outbreaks investigated during the week 22nd, 2019

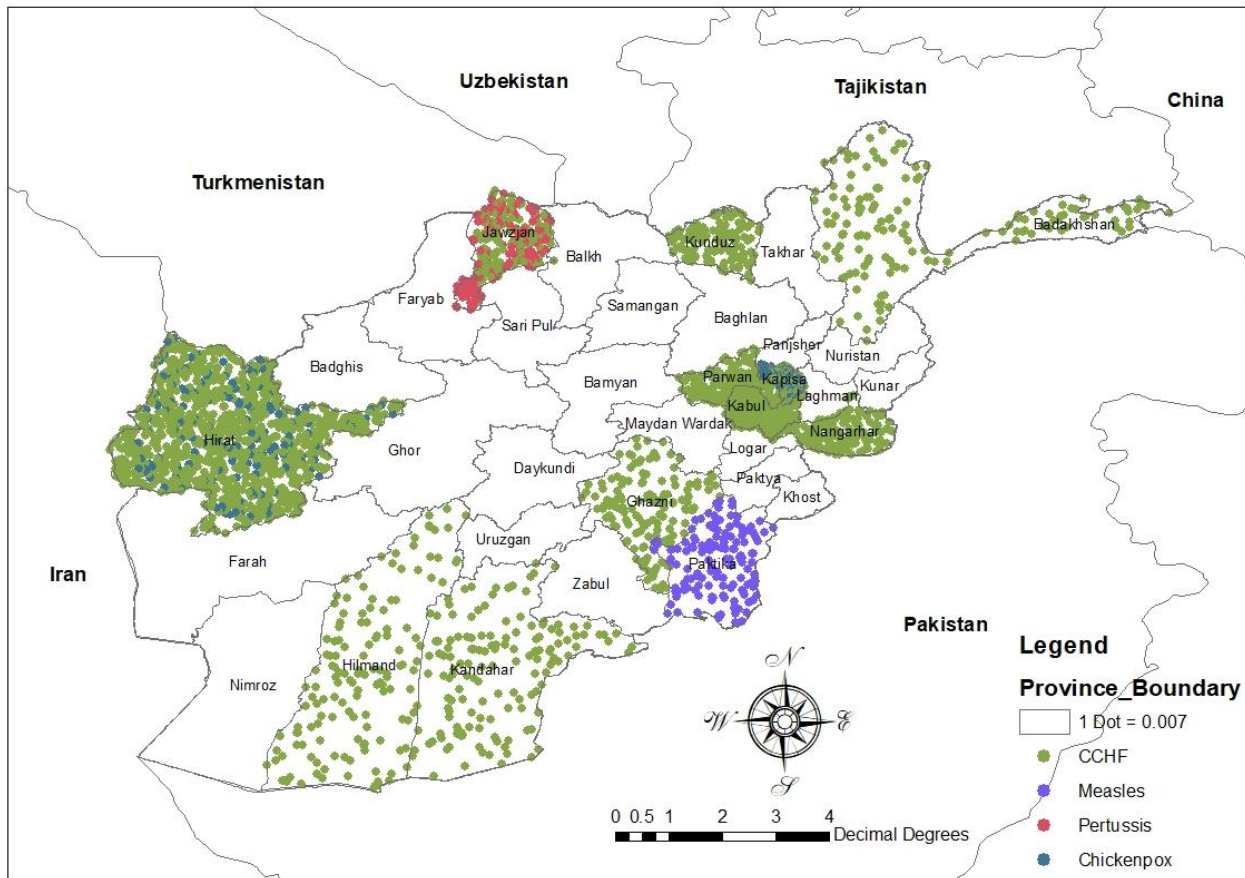


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 01 June 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	80	8	83	7
Measles	19	14	175	2
Dog bites/Suspected Rabies	13	2	61	2
Chickenpox	12	1	237	0
Scabies	7	0	320	0
Pertussis	6	0	52	0
Leishmaniasis	3	2	85	0
Food poisoning	2	0	65	0
Coal Poisoning	2	0	8	2
Typhoid Fever	1	0	72	0
Acute Viral Hepatitis	1	1	33	0
Pneumonia	1	0	51	3
Mumps	1	0	92	0
Unknown Hemorrhagic	1	0	9	2

Mass psychogenic Illness	1	0	12	0
Mushroom poisoning	1	0	9	0
Acute Watery Diarrhea	1	0	28	0
ARI	1	0	629	0
Diphtheria	1	0	1	0
Grand Total	154	28	2022	18

Laboratory surveillance:

In this week a total of 68 different specimens/samples were received by CPHL, out of which 05 specimens were positive for CCHF, 04 specimens were positive for measles and 04 specimens were positive for Chickenpox while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 22, 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, 111(3.2%) Sever Acute Respiratory Infections cases were reported and 63% of them were among under 5 years old. No SARI death was reported in this week.

In EPI week 22, our National Influenza Center (NIC) received 29 SARI and 19 ILI specimens from all 9 surveillance sites. No influenza virus was detected by our NIC in this week.

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 18 suspected CCHF cases in this week, therefore further prevention and control measures can be conducted by CDC/MAIL.
- EPI: As the system detected 17 suspected Pertussis cases, therefore further investigation can 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