

National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report–24<sup>th</sup>

Date: 09 to 15 June 2019

### Summary:

- Out of 651 functional Surveillance sentinel sites, 627(96.3%) have submitted reports this week.
- Out of a total 569,235 new consultations, 197,288(34.7%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 90,552 cases, 15.9% out of total new consultations, Pneumonia, 14,720 cases, 2.6% out of total new consultations) and Acute Diarrheal Diseases, 87,642 cases, 15.4% out of total new consultations.
- A total of 226 deaths were reported this week, of which 37 were due to Surveillance targeted diseases, which includes 24 Pneumonia deaths, 06 Hemorrhagic fever deaths, 02 Meningitis deaths, 02 Acute Diarrheal Deaths, 02 Pregnancy related deaths reported from Herat RH and Urozgan PH sentinel sites and 01 Measles death.
- Total of 28 outbreaks reported this week; of which 24 were CCHF outbreaks reported from Kabul, Herat, Ghazni, Nangarhar, Balkh, Kunduz, Paktika, Parwan and Takhar provinces, 03 Dog bite/suspected Rabies outbreaks reported from Kapisa, Khost and Parwan provinces and one Mumps outbreak reported from Parwan province.

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

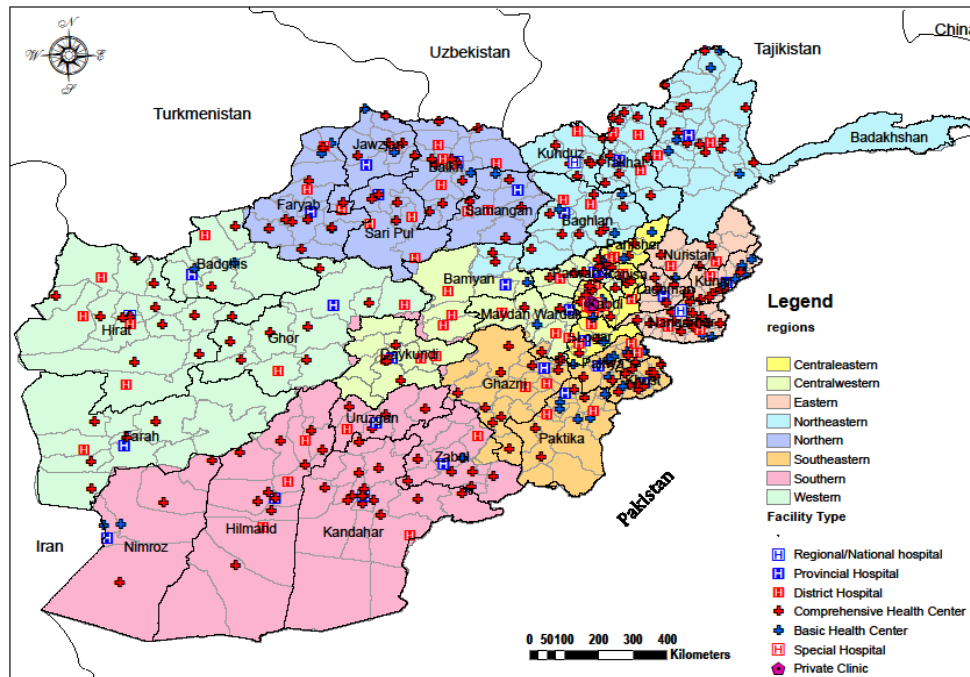


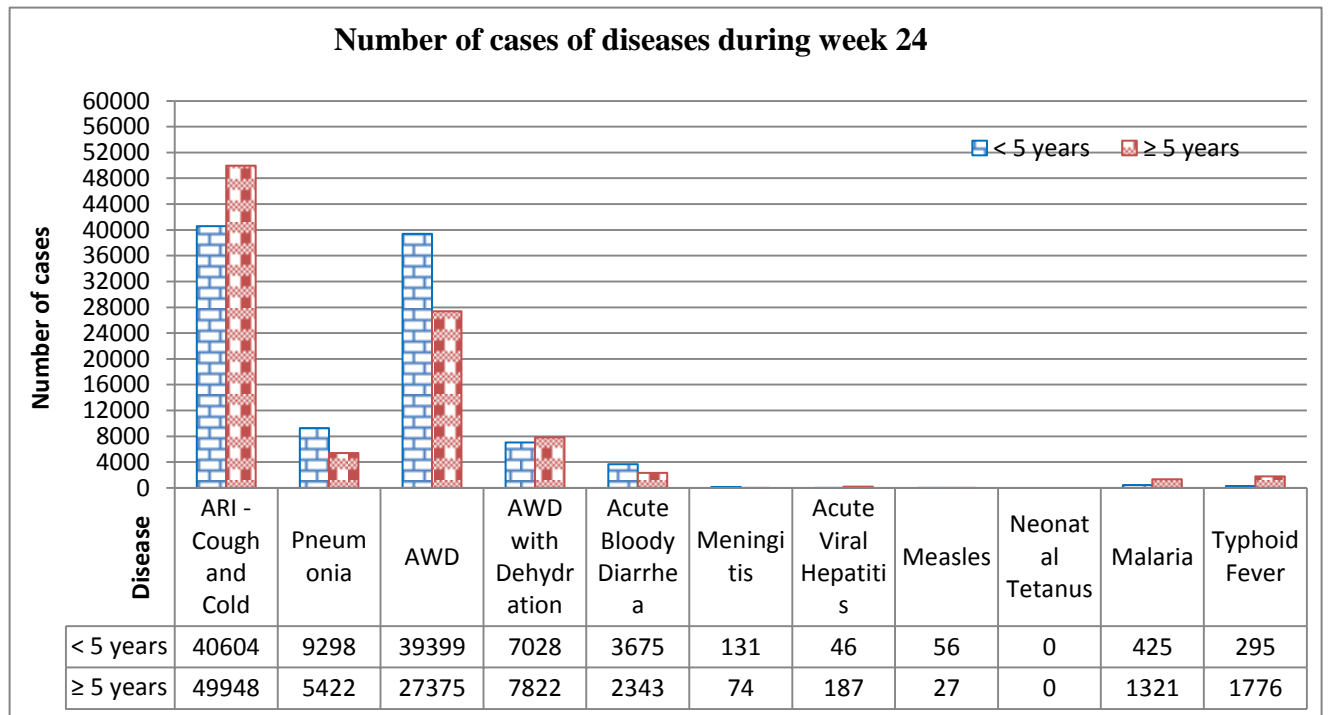
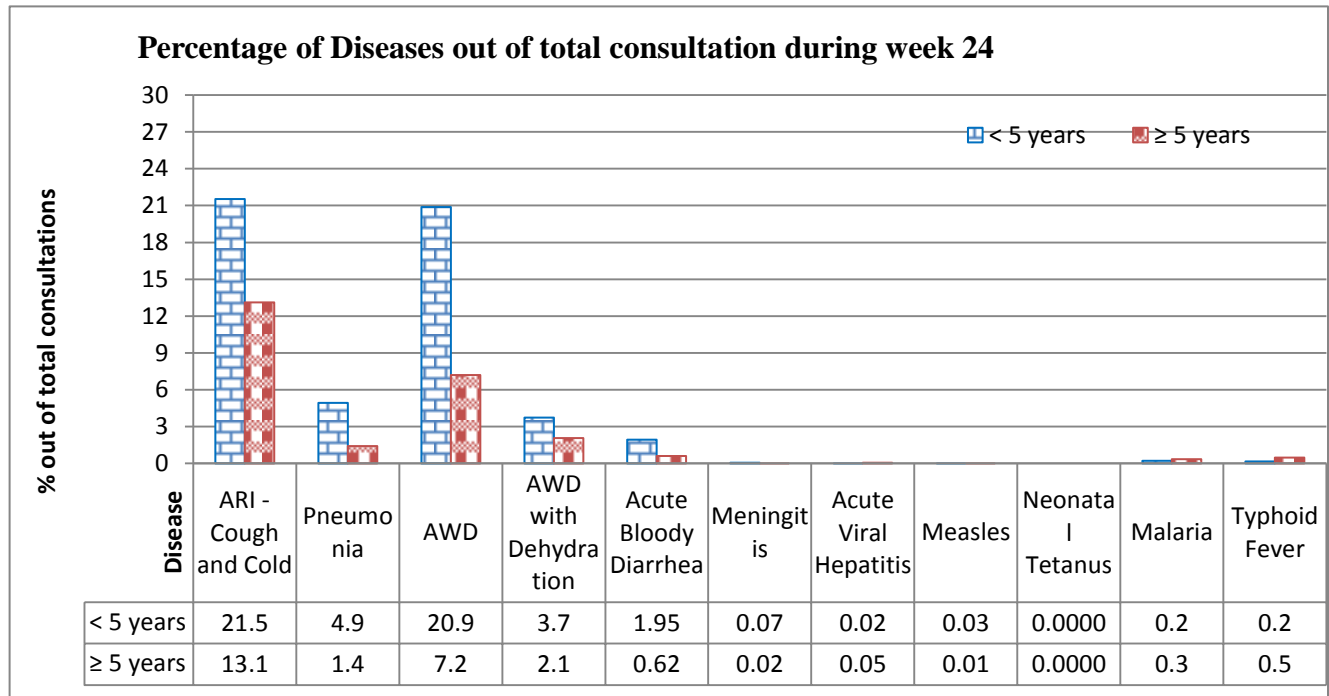
Table 1: Coverage of NDSR Surveillance System

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**

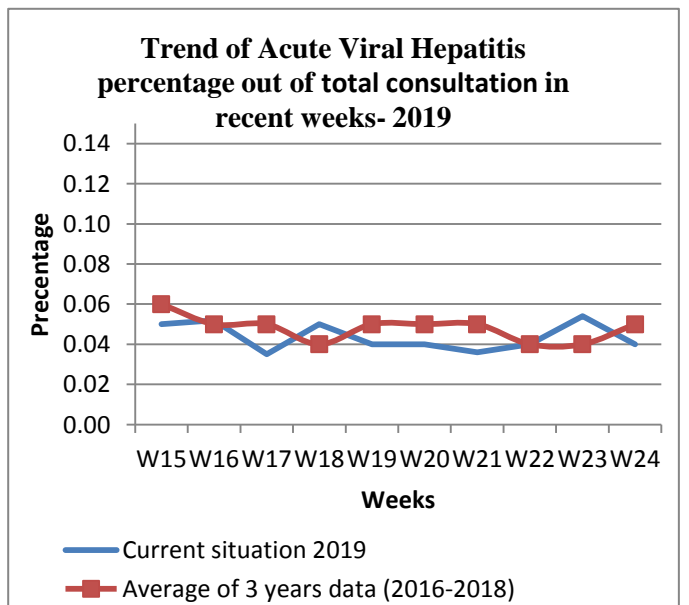
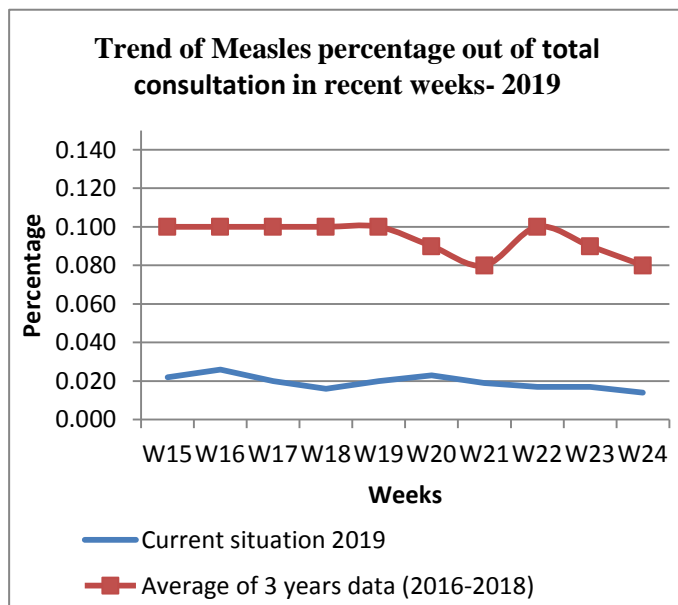
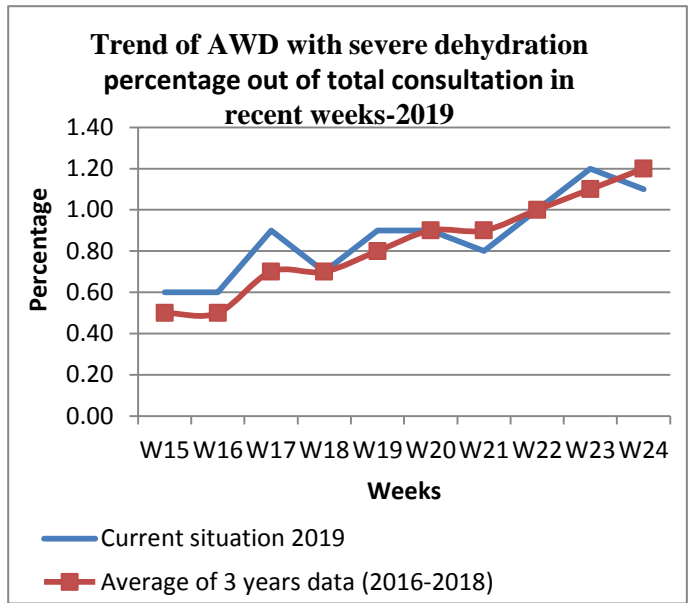
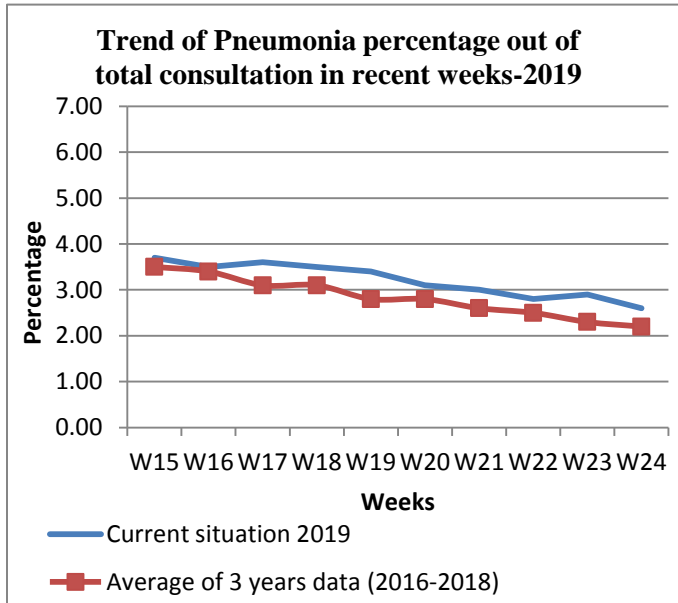


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 24<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	56	27	83	1	0	1	1.20
Pertussis	0	3	3	0	0	0	0.00
Diphtheria	0	1	1	0	0	0	0.00

### Seasonal Diseases:



During week 24<sup>th</sup> total of 28 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
9 June 2019	Paktika	Khair kot	Bak khia	1	0	70 Y	Farmer	During this week 24 suspected CCHF cases were reported from Kabul Herat, Ghazni, Nangarhar, Balkh, Kundoz, Paktika and Takhar 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 25% (per 100) in this week
9 June 2019	Kabul	Bagrami	Kamari	1	0	46 Y	Butcher	
9 June 2019	Balkh	District 9	Karti Adalat	1	0	15 Y	Student	
9 June 2019	Kabul	District 5	Company	1	0	95 Y	Jobless	
9 June 2019	Kabul	District 5	Company	1	0	20 Y	Butcher	
9 June 2019	Kabul	Deh Sabez	Khaja chesht	1	0	22 Y	Butcher	
9 June 2019	Kabul	District 17	Sarekotal	1	1	48 Y	Butcher	
10 June 2019	Takhar	Rustaq	Langar	1	0	60 Y	Animal Dealer	
11 June 2019	Ghazni	Markaz	City	1	1	45 Y	Housewife	
12 June 2019	Parwan	Charekar	City	1	1	50 Y	Farmer	
12 June 2019	Kabul	District 8	Karta-e-Now	1	0	35 Y	Housewife	
12 June 2019	Kabul	Bagrami	But khak	1	0	20 Y	Butcher	
12 June 2019	Kabul	District4	Tahiya Maskan	1	0	20 Y	Shepherd	
12 June 2019	Kabul	District 13	Barchi	1	0	17 Y	Student	
12 June 2019	Kabul	District 8	Binihesar	1	0	48 Y	Animal Dealer	
15 June 2019	Ghazni	Markaz	Khaja Miry	1	0	33 Y	Butcher	
9 June 2019	Nangarhar	Sourkhroad	Bar Shikhmesri	1	0	65 Y	Butcher	
9 June 2019	Nangarhar	Rodat	Bandah	1	0	26 Y	Farmer	
13 June 2019	Hirat	City	Area 5th	1	1	45 Y	Housewife	
12 June 2019	Hirat	injl	Robat trokan	1	0	23 Y	Butcher	
12 June 2019	Hirat	Injl	Karizak	1	0	19 Y	Worker	
15 June 2019	Hirat	Kuhsan	Tae Kham	1	1	18 Y	Housewife	
9 June 2019	Kunduz	Dashte Archi	Khan	1	1	27 Y	Housewife	
9 June 2019	Paktika	Khair kot	Bak khia	1	0	70 Y	Farmer	

Dog bite/suspected Rabies outbreaks						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
7 June 2019	Khost	Tani	Tekhil	1	0	In this week three Dog bite/suspected Rabies outbreaks were reported from Khost, Kapisa and Parwan provinces, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well
15 June 2019	Kapisa	Kohistan 2	Khamroba	5	0	
10 June 2019	Parwan	Sia Gerd	Qemchaq	5	0	

Mumps Outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
15 June 2019	Parwan	Bagram	Barikab Village	5	0	In this week one Mumps outbreak was reported from Parwan province, the outbreaks 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 24<sup>th</sup>, 2019

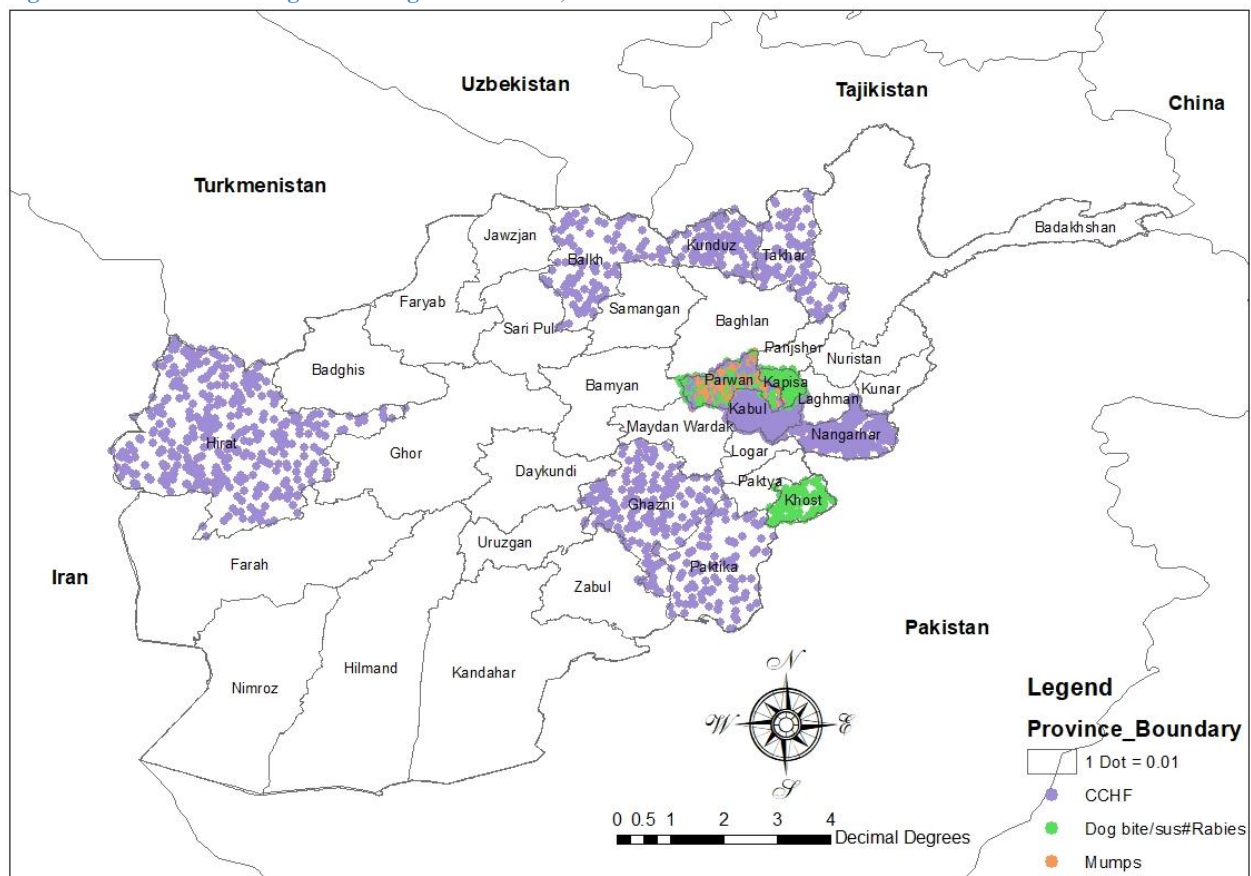


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 15 June 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	125	11	128	15
Measles	19	14	175	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
Mumps	2	0	107	0
Food poisoning	2	0	65	0
Coal Poisoning	2	0	8	2
Mushroom poisoning	1	0	9	0
Unknown Hemorrhagic	1	0	9	2
Acute Viral Hepatitis	1	1	33	0
Acute Watery Diarrhea	1	0	28	0
Typhoid Fever	1	0	72	0
Pneumonia	1	0	51	3
Mass psychogenic Illness	1	0	12	0
ARI	1	0	629	0
Diphtheria	1	0	1	0
<b>Grand Total</b>	<b>208</b>	<b>31</b>	<b>2151</b>	<b>26</b>

### Laboratory surveillance:

In this week a total of 123 different specimens/samples were received by CPHL, out of which 10 specimens were positive for Measles and 08 specimens were positive for CCHF while the rest are under process. (Follow up by the CPHL is going on).

### Influenza Surveillance activity

In Epidemiologic week 24, 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, 126 (3.4%) Severe Acute Respiratory Infections cases were reported and 65 % of them were among under 5 years old. The proportion of SARI cases was slightly increased compared to week 23, 2019. Three SARI associated deaths were reported in this week.

In week 24, our NIC received 29 SARI and 19 ILI samples of which 3 samples from Bamyan were positive for Influenza B viruses.

### Recommendations:

- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **CDC/MAIL:** The system detected 24 suspected CCHF cases in this week while 08 of them were died, therefore further prevention and control measures can be conducted by CDC/MAIL.
- **RH:** 02 pregnancy related deaths were reported from Herat and Urozgan provinces which need to be followed by the assigned maternal death review committees.
- **EPI:** As the system detected 03 suspected pertussis cases therefore further investigation 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