



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report–28<sup>th</sup>

Date: 07 to 13 July 2019

### Summary:

- Out of 651 functional Surveillance sentinel sites, 625(96%) have submitted reports this week.
- Out of a total 590,046 new consultations, 201,214(34.1%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were Acute Diarrheal Diseases, 99,509 cases, 16.9% out of total new consultations, ARI (Cough & Cold, 83,689 cases, 14.2% out of total new consultations and Pneumonia, 13,129 cases, 2.2% out of total new consultations).
- A total of 275 deaths were reported this week, of which 55 were due to Surveillance targeted diseases, which includes 39 Pneumonia deaths, 06 Meningitis deaths, 05 Acute Diarrheal Disease deaths, 02 Pregnancy related deaths reported from Rabia Balkhi sentinel site, 02 Hemorrhagic fever deaths and one Measles death.
- Total of 27 outbreaks reported this week; of which 19 were CCHF outbreaks reported from Herat, Takhar, Kabul, Kapisa, Parwan, Ghor, Kunduz, Nangarhar, Ghazni, Faryab and Balkh provinces, 03 Dog bite/suspected Rabies outbreaks reported from Kapisa and Parwan provinces, 02 Pertussis outbreaks reported from Kabul province, 02 Mass psychogenic outbreaks reported from Badakhshan and Bamyan provinces and one Food Poisoning outbreak reported from Kunar province.

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

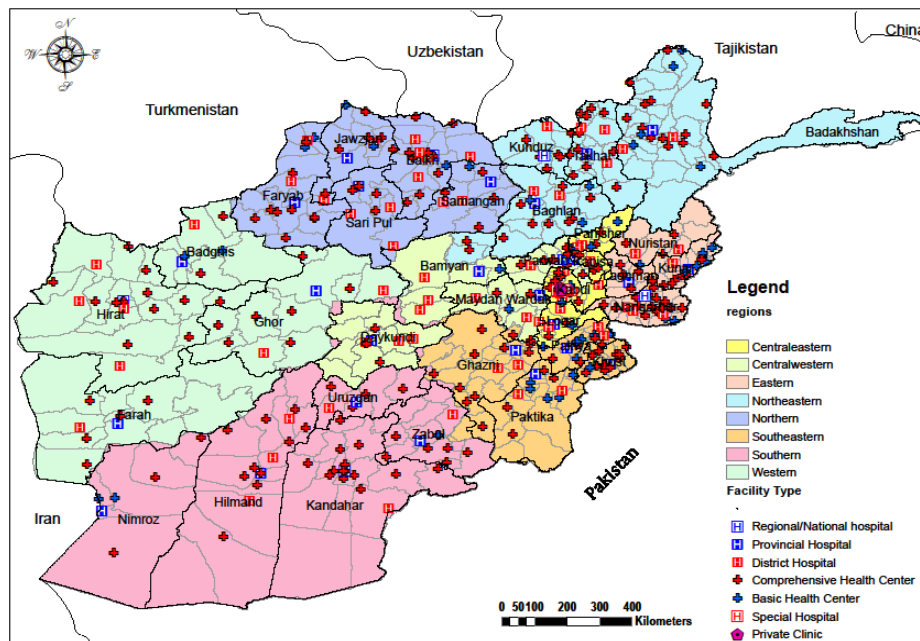


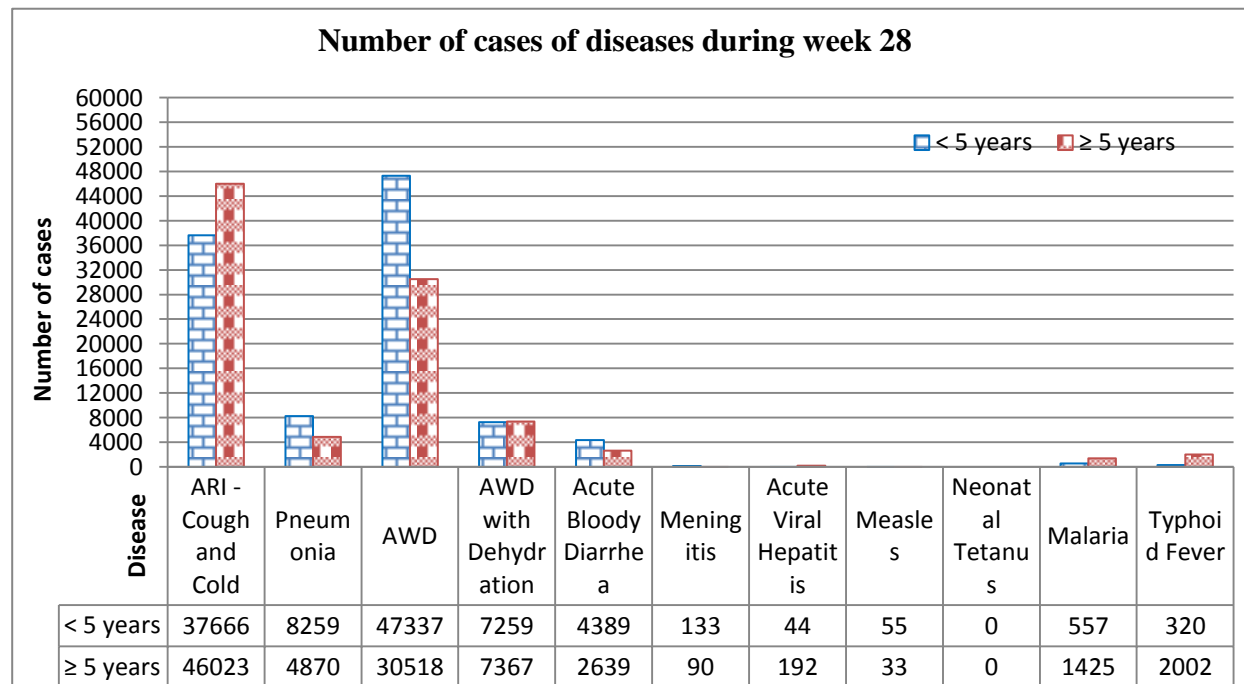
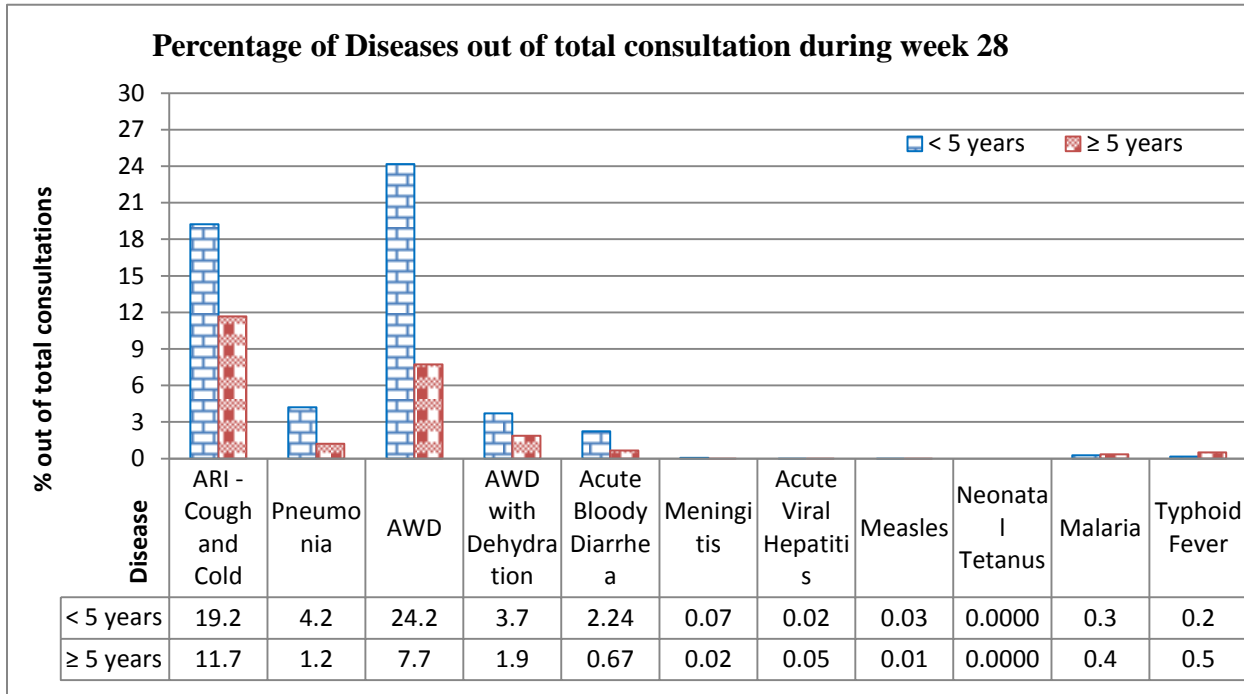
Table 1: Coverage of NDSR Surveillance System

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**

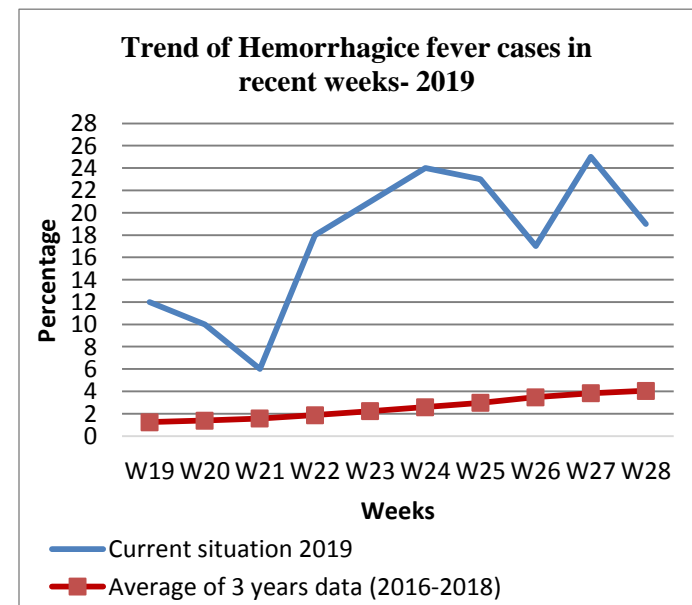
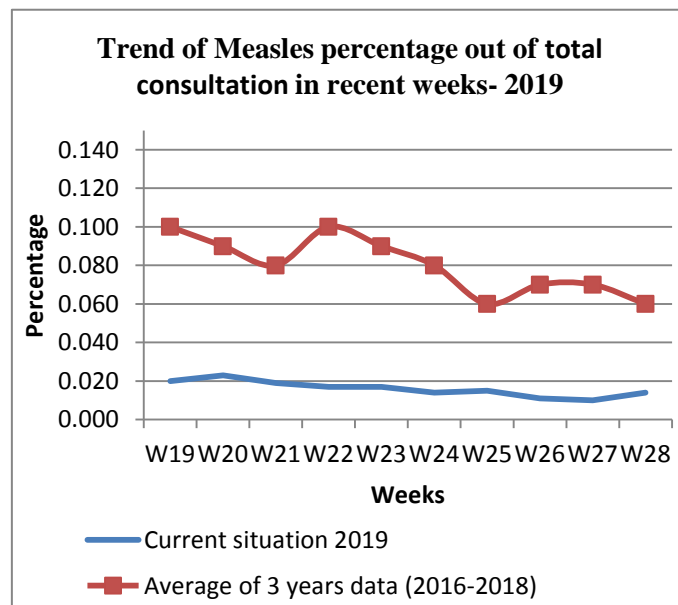
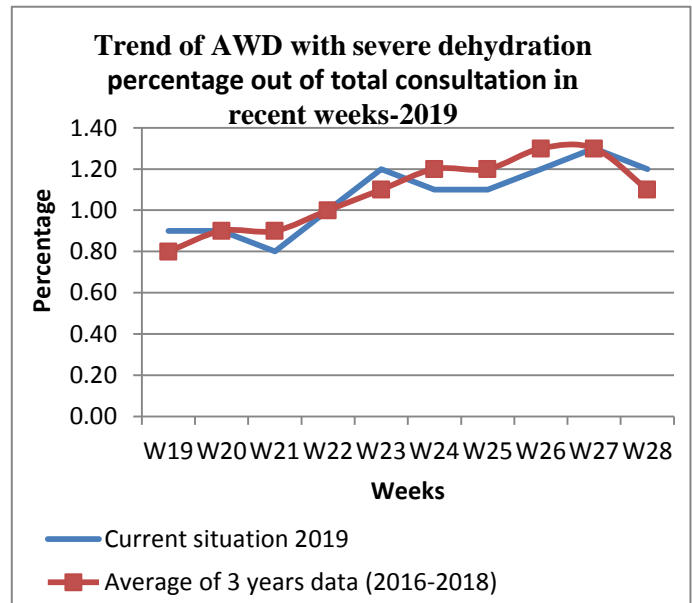
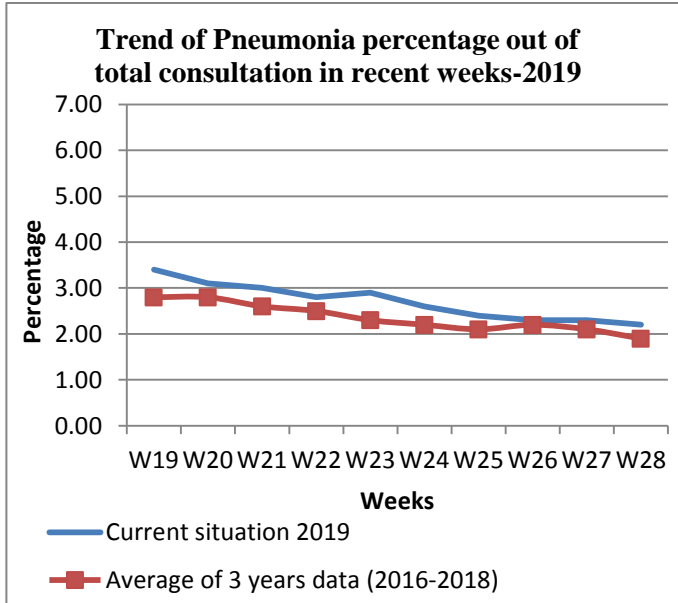


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 28<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	55	33	88	0	1	1	1.14
Suspected Pertussis	2	0	2	0	0	0	0.00

### Seasonal Diseases:



During week 28<sup>th</sup> total of 27 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	
7 July 2019	Kapisa	Kohistan 2	Jamal Agha	1	1	70 Y	Farmer	During this week 19 suspected CCHF cases were reported from Kabul, Herat, Kapisa, Takhar, Balkh, Ghazni, Parwan, Nangarhar, Kaundoz, Faryab and Ghor 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 10.5% (per 100) in this week	
7 July 2019	Kabul	District 6	Qala zaman khan	1	0	20 Y	Worker		
7 July 2019	Takhar	Khwaja bahawuddin	Ganjgar	1	0	48 Y	Farmer		
8 July 2019	Kabul	District 16	Char Qala	1	0	48 Y	Farmer		
9 July 2019	Balkh	Daulat abad	Jaw rab	1	1	15 Y	Shopkeeper		
9 July 2019	Kapisa	Kohistan 1	Panah khil	1	0	20 Y	Farmer		
10 July 2019	Ghazni	Markaz	Shahr	1	0	20 Y	Butcher		
13 July 2019	Parwan	Markaz	Khalifa safa	1	0	28 Y	Butcher		
13 July 2019	Takhar	Rustaq	Najeeb Shar	1	0	60 Y	Animal dealer		
13 July 2019	Takhar	Chahr Dara	Qaraiya Qasab	1	0	45 Y	Animal dealer		
8 July 2019	Nangarhar	Dehballa	Shikha	1	0	45 Y	Housewife		
9 July 2019	Kunduz	Immam sahib	Qalami gozar	1	0	25 Y	Worker		
10 July 2019	Faryab	Khwaja sabspush	Badghisy	1	0	36 Y	Farmer		
9 July 2019	Hirat	Guzara	Sargangal	1	0	28 Y	Farmer		
9 July 2019	Hirat	Guzara	Kaja alam	1	0	70 Y	Farmer		
9 July 2019	Hirat	City	Baghe dasht	1	0	23 Y	Butcher		
10 July 2019	Hirat	Injil	Emam shash noor	1	0	18 Y	Farmer		
12 July 2019	Hirat	Injil	Karizak	1	0	19 Y	Farmer		
9 July 2019	Ghor	Firoozkoh	Pir haji	1	0	12 Y	Shopkeeper		
Dog bite/suspected Rabies outbreaks									
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take			
11 July 2019	Kapisa	Tagab	Bodrab	5	0	In this week Three suspected Dob bite/sus.Rabies outbreaks were			

11 July 2019	Kapisa	Alasay	Alasay	8	0	reported from Kapisa and Parwan provinces the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well.
11 July 2019	Parwan	Bagram	Dawlat shahee	8	0	

#### Pertussis outbreaks

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
7 July 2019	Kabul	District 13	Barchi	1	0	1	0	unknown	unknown	In this week Two Pertussis outbreaks was reported from Kabul province, the outbreaks were investigated, case management was done for all the cases, and health education session was conducted as well
8 July 2019	Kabul	Dehsabz	Bakhtyar an	1	0	1	0	unknown	unknown	

#### Mass Psychogenic outbreaks

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
11 July 2019	Bamyan	Yakawlang	Mahrof girls high school	6	0	In this week Two suspected Mass psychogenic outbreaks were reported from Bamyan and Badakhshan provinces the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well.
6 July 2019	Badakhshan	Daryem	Munji	45	0	

#### Food Poisoning outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
12 July 2019	Kunar	Sawkay	Gato Qala	22	0	In this week one Food Poisoning outbreak was reported from Kunar 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 28<sup>th</sup>, 2019

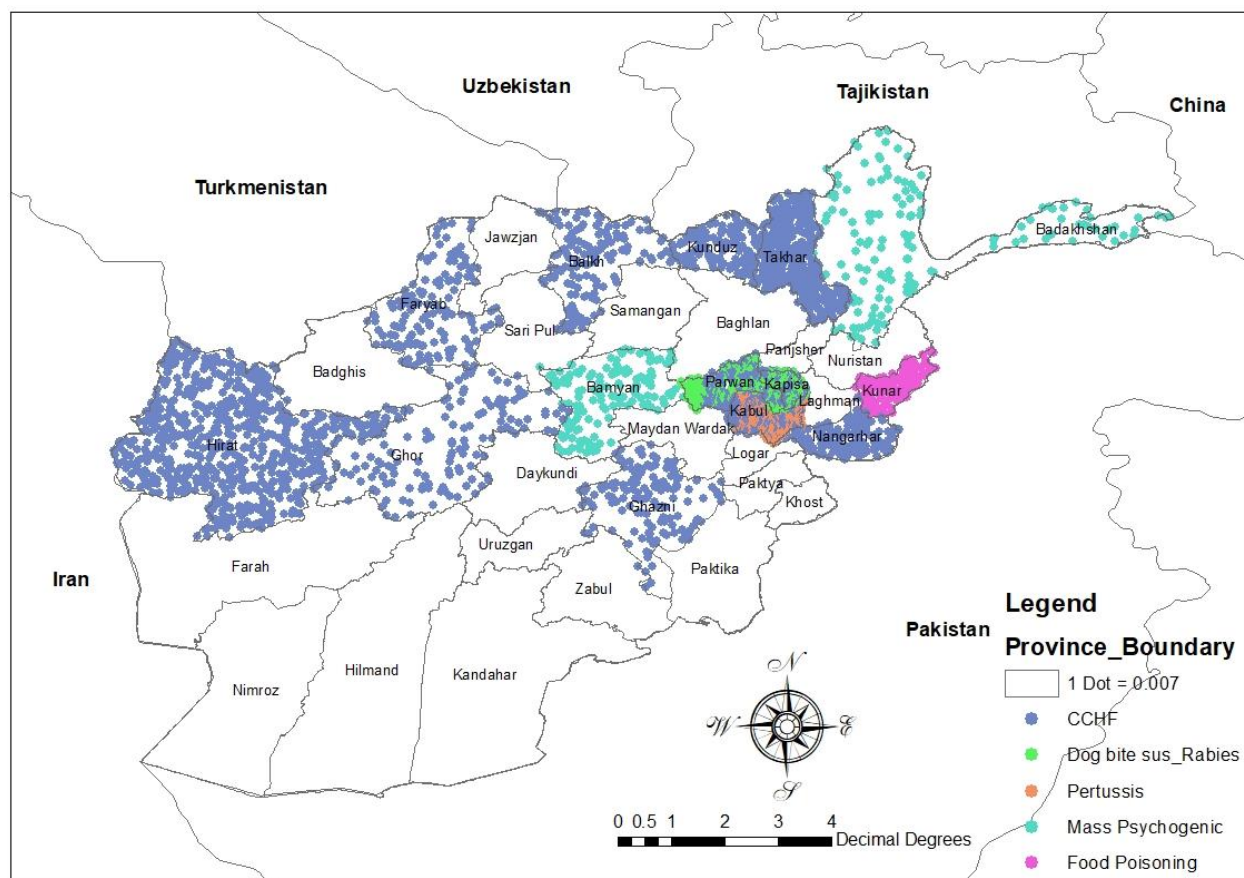


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 13 July 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	208	20	212	27
Measles	23	16	211	2
Dog bites/Suspected Rabies	22	2	111	2
Chickenpox	13	1	256	0
Pertussis	9	0	75	0
Scabies	7	0	320	0
Food poisoning	4	0	110	0
Mass psychogenic Illness	3	0	63	0
Leishmaniasis	3	2	85	0
Mumps	2	0	107	0
Coal Poisoning	2	0	8	2
Diphtheria	2	0	2	0
Ring Worm	1	0	36	0

Mushroom poisoning	1	0	9	0
Typhoid Fever	1	0	72	0
ARI	1	0	629	0
Acute Watery Diarrhea	1	0	28	0
Acute Viral Hepatitis	1	1	33	0
Pneumonia	1	0	51	3
Unknown Hemorrhagic	1	0	9	2
<b>Grand Total</b>	<b>306</b>	<b>42</b>	<b>2427</b>	<b>38</b>

### Laboratory surveillance:

In this week a total of 71 different specimens/samples were received by CPHL, out of which 03 specimens were positive for Measles while the rest are under process. (Follow up by the CPHL is going on).

### Influenza Surveillance activity

In Epidemiologic week 28, 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, 119 (3.2%) Severe Acute Respiratory Infections cases were reported and 67 % of them were among under 5 years old. The proportion of SARI cases was slightly decreased compare to week 27, 2019. Five SARI associated deaths were reported in this week.

At the provincial level, the top sentinel site with the highest proportion of SARI cases were Kabul (16%) followed by Kapisa (12%) and Bamyan (10%).

In week 28, our NIC received 26 SARI and 17 ILI specimens from all nine sites. The results are pending.

### Recommendations:

- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **CDC/MAIL:** The system detected 19 suspected CCHF cases in this week, therefore further prevention and control measures can be conducted by CDC/MAIL.
- **EPI:** As the system detected 88 suspected Measles and 02 suspected Pertussis cases, further investigation should be conducted by EPI team.
- **RH:** 02 pregnancy related deaths were reported which need the follow up by the assigned maternal death review committees.
- **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