



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report–29th

Date: 14 to 20 July 2019

Summary:

- Out of 651 functional Surveillance sentinel sites, 628 (96.5%) have submitted reports this week.
- Out of a total 569,191 new consultations, 198,107(34.8%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were Acute Diarrheal Diseases, 98,712 cases, 17.4% out of total new consultations, ARI (Cough & Cold, 81,749 cases, 14.1% out of total new consultations and Pneumonia, 12,669 cases, 2.2% out of total new consultations).
- A total of 265 deaths were reported this week, of which 51 were due to Surveillance targeted diseases, which includes 27 Pneumonia deaths, 09 Acute Diarrheal Disease deaths, 07 Pregnancy related deaths reported from Mazar sharif, Lashkar gah, Maimana and Jawzjan sentinel sites, 05 Meningitis deaths, 02 Hemorrhagic deaths and 01 Acute Viral Hepatitis death.
- Total of 30 outbreaks reported this week; of which 24 were CCHF outbreaks reported from Herat, Kabul, Kunduz, Parwan and Faryab provinces, 04 Dog bite/suspected Rabies outbreaks reported from Paktika, Kapisa and Khost provinces, 01 Pertussis outbreak reported from Paktika province and 01 Mass psychogenic illness outbreak reported from Daikundi province.

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

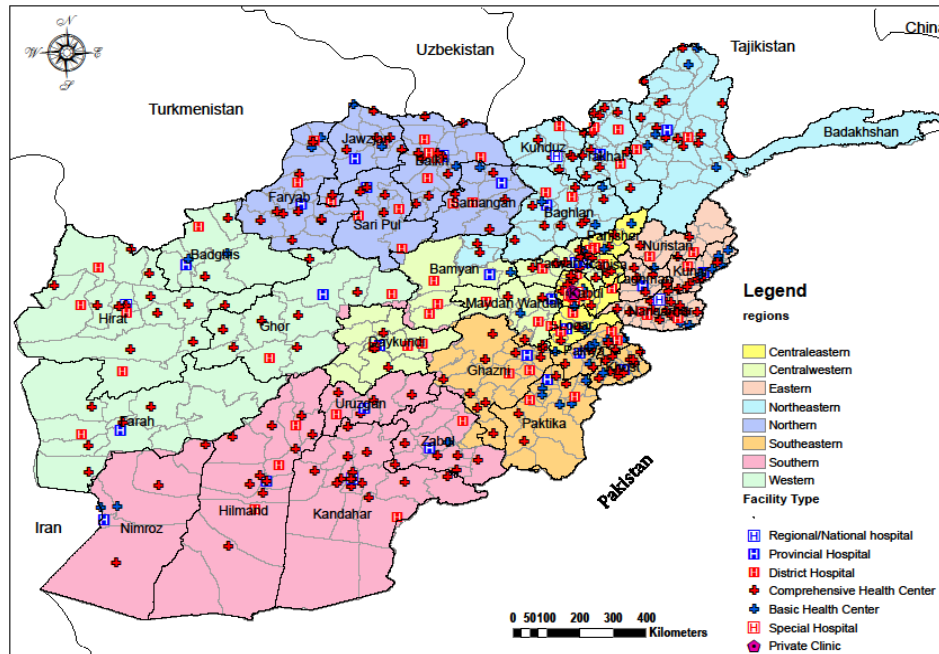


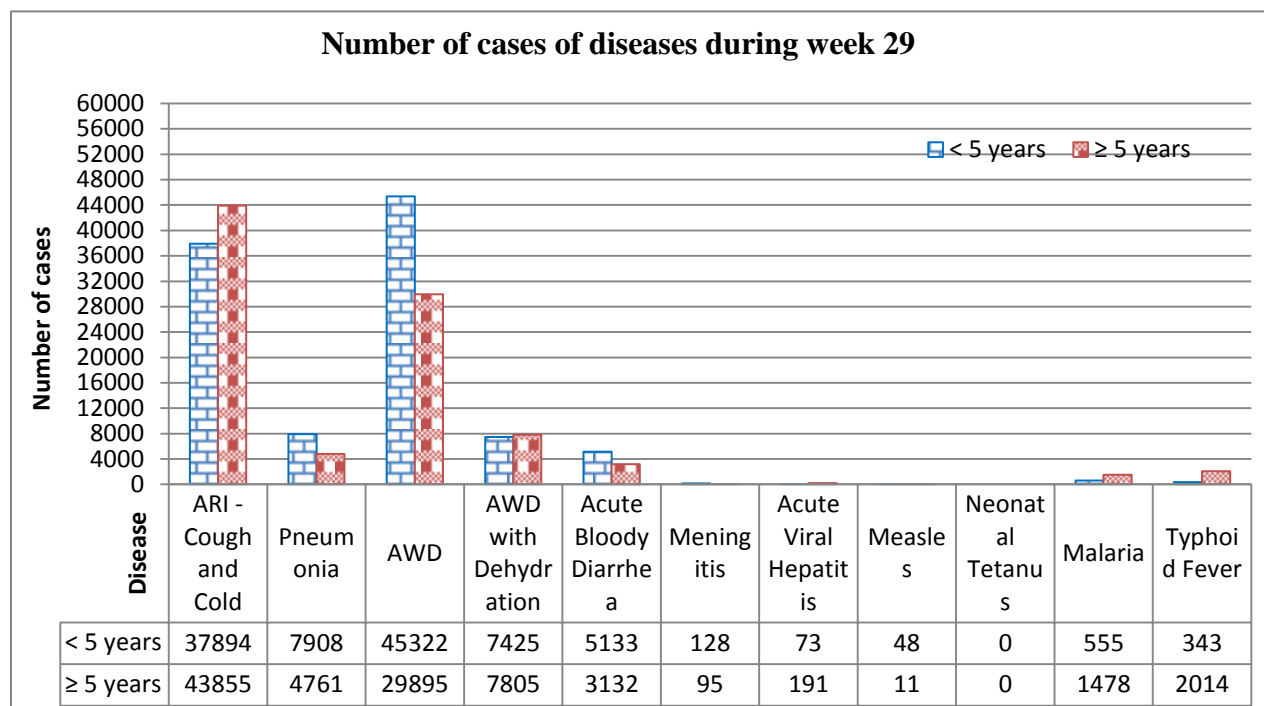
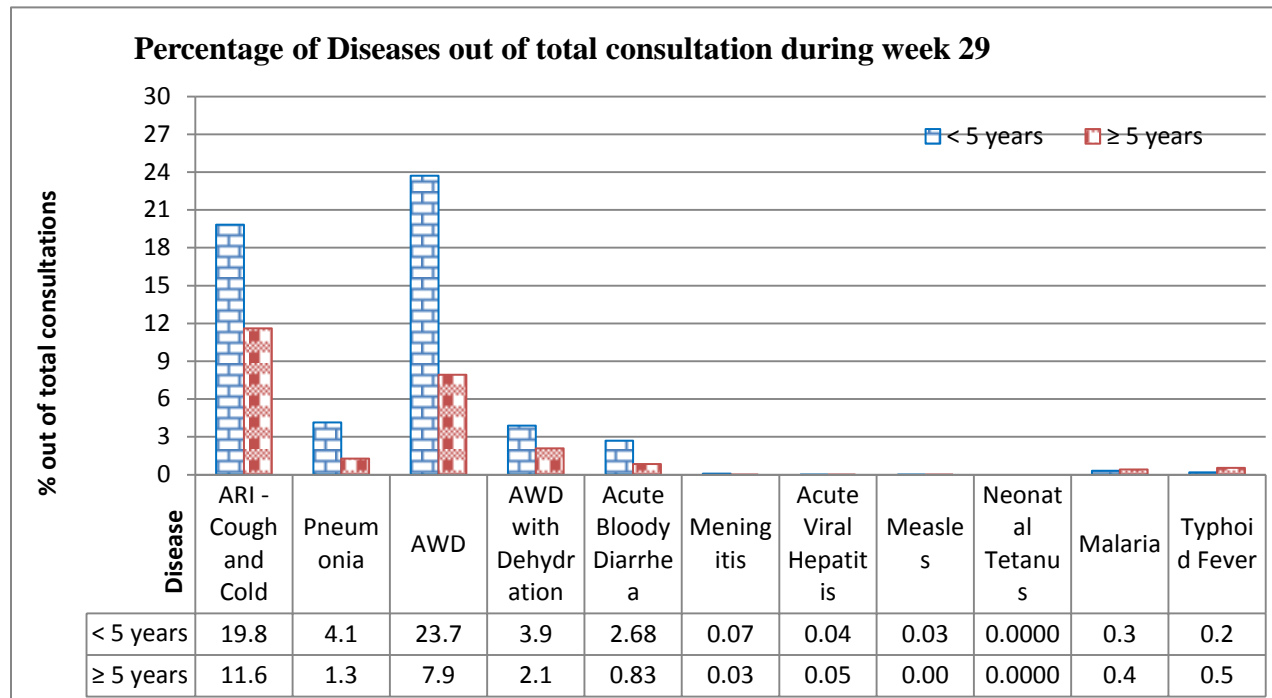
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	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

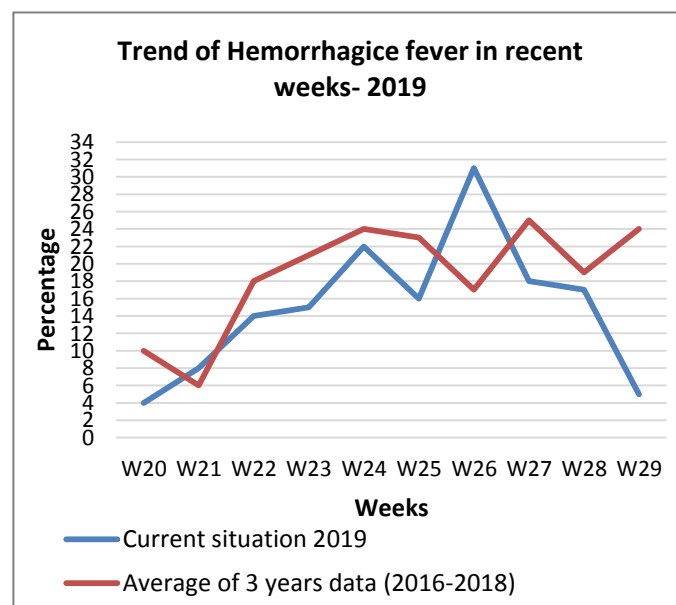
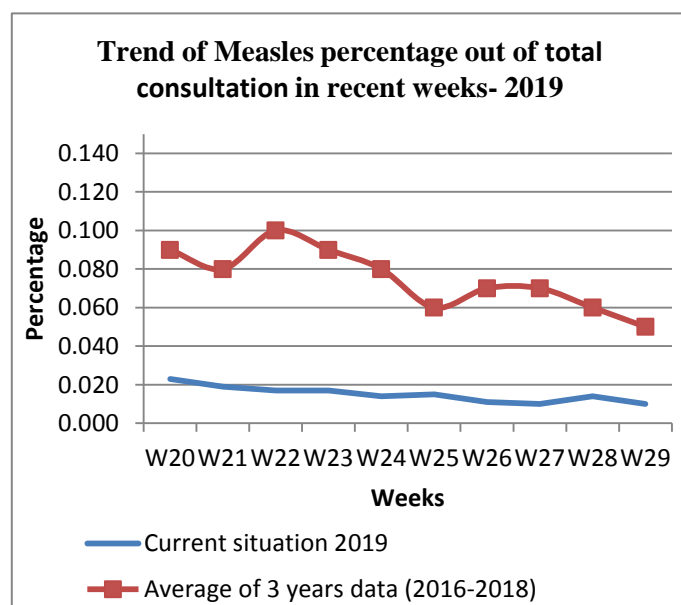
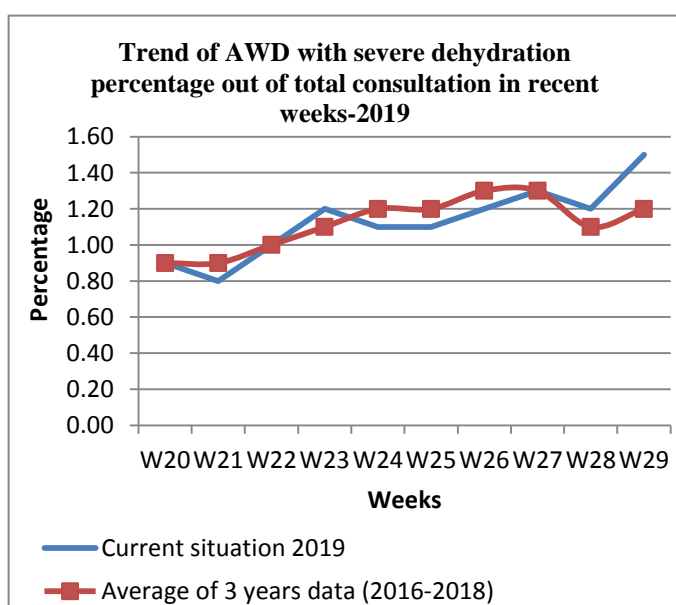
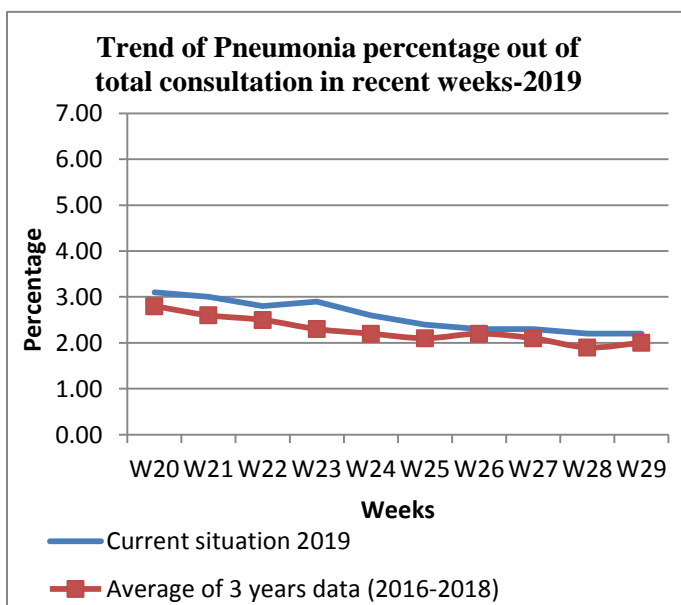


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 29th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	48	11	59	0	0	0	0.00
Pertussis	3	0	3	0	0	0	0.00

Seasonal Diseases:



During week 29th total of 30 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
14 July 2019	Kabul	District 13	Barchi	1	0	23 Y	Student	<p>During this week 24 suspected CCHF cases were reported from Herat, Kabul, Kunduz, Parwan and Faryab provinces, had probable contact with animals or the tissues of the animal, case management was done for all the cases and health education sessions were conducted.</p> <p>Case Fatality rate for CCHF was 8.3% (per 100) in this week</p>
15 July 2019	Parwan	Bagram	Qalandar khail	1	0	35 Y	Housewife	
15 July 2019	Kabul	District 11	Qasaba	1	0	22 Y	Student	
16 July 2019	Faryab	Bazar	Khafara	1	0	14 Y	Animal dealer	
16 July 2019	Kabul	Distrcit 13	Arzan Qemat	1	0	19 Y	Butcher	
18 July 2019	Kabul	Distrcit 13	Barchi	1	0	34 Y	Jobless	
19 July 2019	Kabul	District 5	Company	1	0	19 Y	Butcher	
19 July 2019	Parwan	Charikar	Markaz	1	0	19 Y	Butcher	
20 July 2019	Kabul	District 5	Charai qambar	1	0	17 Y	Animal dealer	
13 July 2019	Kunduz	Chardara	Qaryah-Qasab	1	1	55 Y	Farmer	
14 July 2019	Kunduz	Kunduz city	Pule Alchin	1	1	15 Y	Housewife	
15 July 2019	Faryab	Khowja sabez posh	Kata qishlaq	1	0	12 Y	Student	
17 July 2019	Hirat	Injil	Hadvan	1	0	13 Y	Shepherd	
17 July 2019	Hirat	Pashton zarghon	Sang kah	1	0	50 Y	Housewife	
17 July 2019	Hirat	Robat sangi	Gavmish	1	0	60 Y	Farmer	
17 July 2019	Hirat	Pashton zarghon	Momra	1	0	31 Y	Farmer	
17 July 2019	Hirat	Injil	Karizak	1	0	38 Y	Housewife	
13 July 2019	Hirat	Guzrara	Sargangal	1	0	25 Y	Shepherd	
15 July 2019	Hirat	Shindand	Bazar	1	0	16 Y	Shepherd	
17 July 2019	Hirat	Injil	Now abad	1	0	60 Y	Farmer	
17 July 2019	Hirat	City	Area 7 th	1	0	63 Y	Farmer	
18 July 2019	Hirat	City	Shalbfan	1	0	17 Y	Daily wage Worker	
17 July 2019	Hirat	Obe	Maljan	1	0	25 Y	Housewife	

20 July 2019	Hirat	Injil	Bland shahi	1	0	34 Y	Daily wage Worker			
Dog bite/suspected Rabies outbreaks										
Reported dated	Province	District	Village	Total cases		Total deaths		Recommendation/Action take		
18 July 2019	Paktika	Sharan	Shahkariz	5		0		In this week Four Dog bite/suspected Rabies outbreaks were reported from Paktika, Khost and Kapisa provinces the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well.		
18 July 2019	Paktika	Sharan	Shahkariz	5		0				
18 July 2019	Khost	Sabari	Bodkhana	5		0				
17 July 2019	Kapisa	Tagab	Sediq khil	3		0				
Pertussis outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
15 July 2019	Paktika	Sharan	New sharan	4	5	9	0	100 %	unknown	In this week one Pertussis outbreaks was reported from Paktika province, the outbreak was investigated, case management was done for all the cases and health education session was conducted as well
Mass Psychogenic outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
15 July 2019	Daykundi	Nili	Chardar Dasht	129	0	In this week one suspected Mass psychogenic illness outbreak was reported from Daykundi province the outbreak 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 29th, 2019

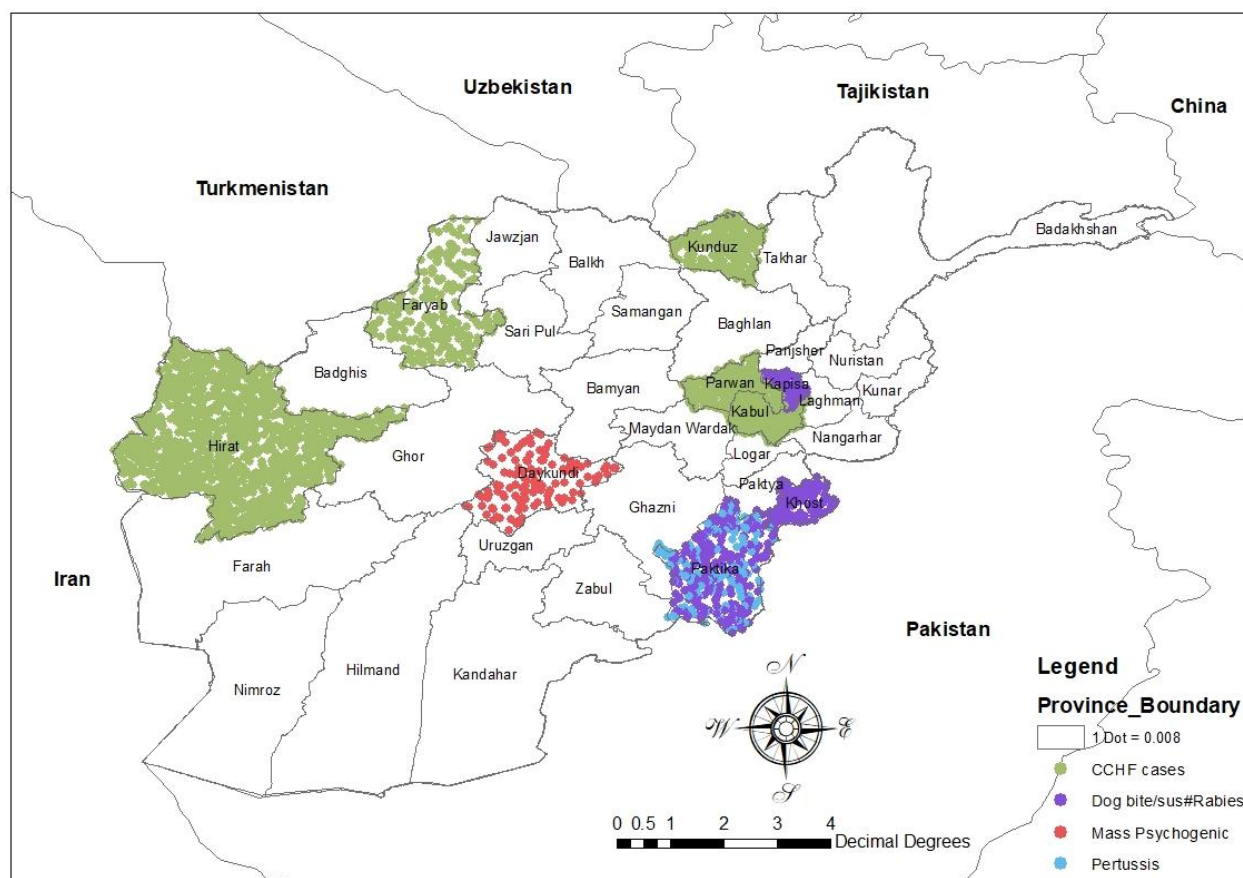


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 20 July 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	232	20	236	29
Dog bites/Suspected Rabies	26	2	129	2
Measles	23	16	211	2
Chickenpox	13	1	256	0
Pertussis	10	0	84	0
Scabies	7	0	320	0
Food poisoning	4	0	110	0
Mass psychogenic Illness	4	0	192	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
Grand Total	336	42	2607	40

Laboratory surveillance:

In this week a total of 76 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 29, 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, 130 (3.5%) Severe Acute Respiratory Infections cases were reported and 69 % of them were among under 5 years old. The proportion of SARI cases was slightly increased compared to week 28 2019.

Six 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 (23%) followed by Kapisa (16%) and Bamyan (9%). In week 29, our SARI ILI focal points collected and sent 25 SARI and 18 ILI specimens to the National Influenza center in CPHL. All of them are under process, in previous week no new influenza virus detected.

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 24 suspected CCHF cases in this week, therefore further prevention and control measures can be conducted by CDC/MAIL.
- **EPI:** As the system detected 59 suspected Measles and 03 suspected Pertussis cases, further investigation can be conducted by EPI team.
- **RH:** 07 pregnancy related deaths were reported which need the follow up by the assigned maternal death review committees.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments