



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report–19<sup>th</sup>

Date: 05 to 11 May 2019

### Summary:

- Out of 651 functional Surveillance sentinel sites, 622(95.2%) have submitted reports this week.
- Out of a total of 547,601 new consultations, 184,471(33.7%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 98,872 cases, 18.1% out of total new consultations and Pneumonia, 18,453 cases, 3.4% out of total new consultations) and Acute Diarrheal Diseases, 63,716 cases, 11.7% out of total new consultations.
- A total of 206 deaths were reported this week, of which 32 were due to Surveillance targeted diseases, which includes 19 Pneumonia deaths, 07 Meningitis deaths, 02 Acute Watery Diarrhea with severe dehydration, 02 Pregnancy related deaths reported from Nayeaminullah khan and Kundoz sentinel sites, one Acute Viral Hepatitis death and one Hemorrhagic fever death.
- Total of 19 outbreaks reported this week; of which 12 were CCHF outbreaks reported from Kabul, Herat, Paktika, Kandahar, Kundoz, Nuristan and Nangarhar provinces, 03 Dog bite/suspected Rabies outbreaks reported from Khost province, one Mass psychogenic outbreak reported from Parwan province, one Measles outbreak reported from Daikundi provinces, one Pertussis outbreak reported from Badakhshan province and one Scabies outbreak reported from Takhar province.

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

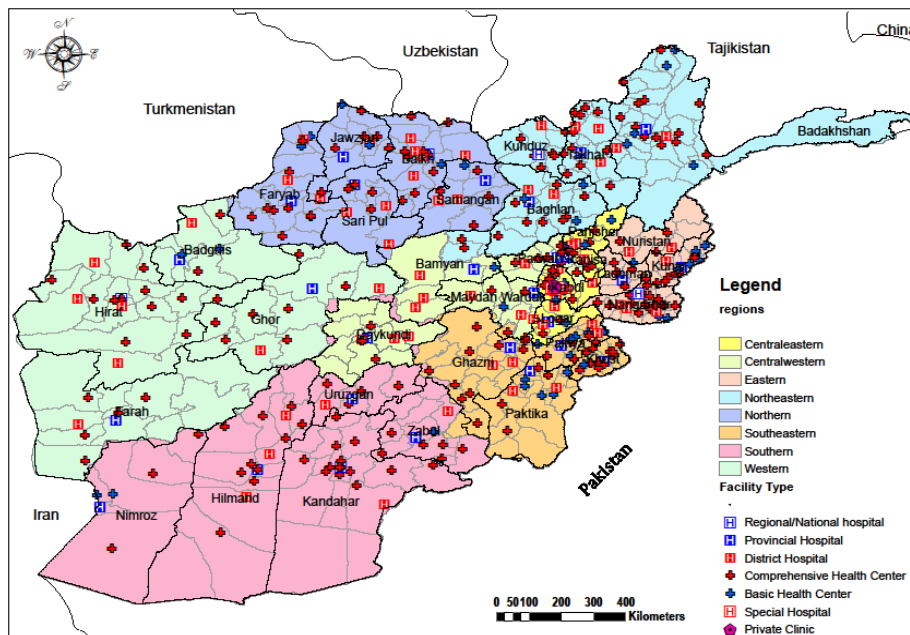


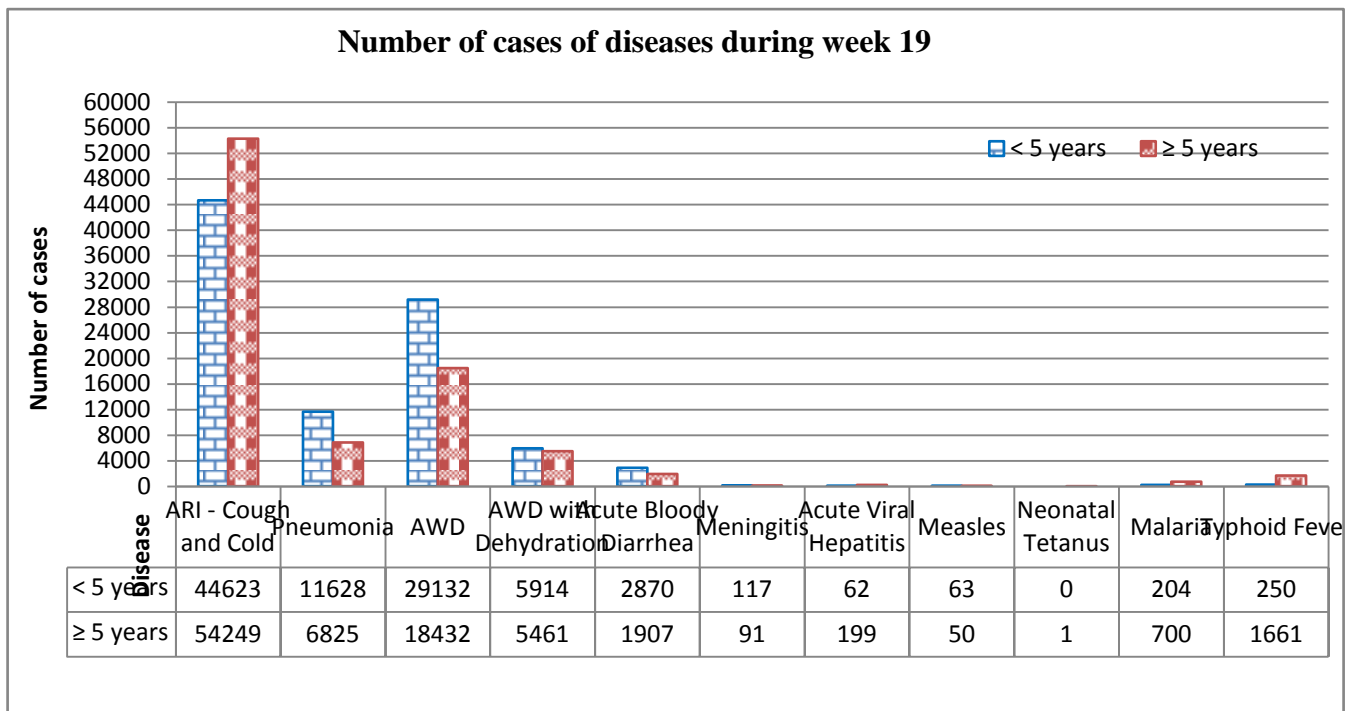
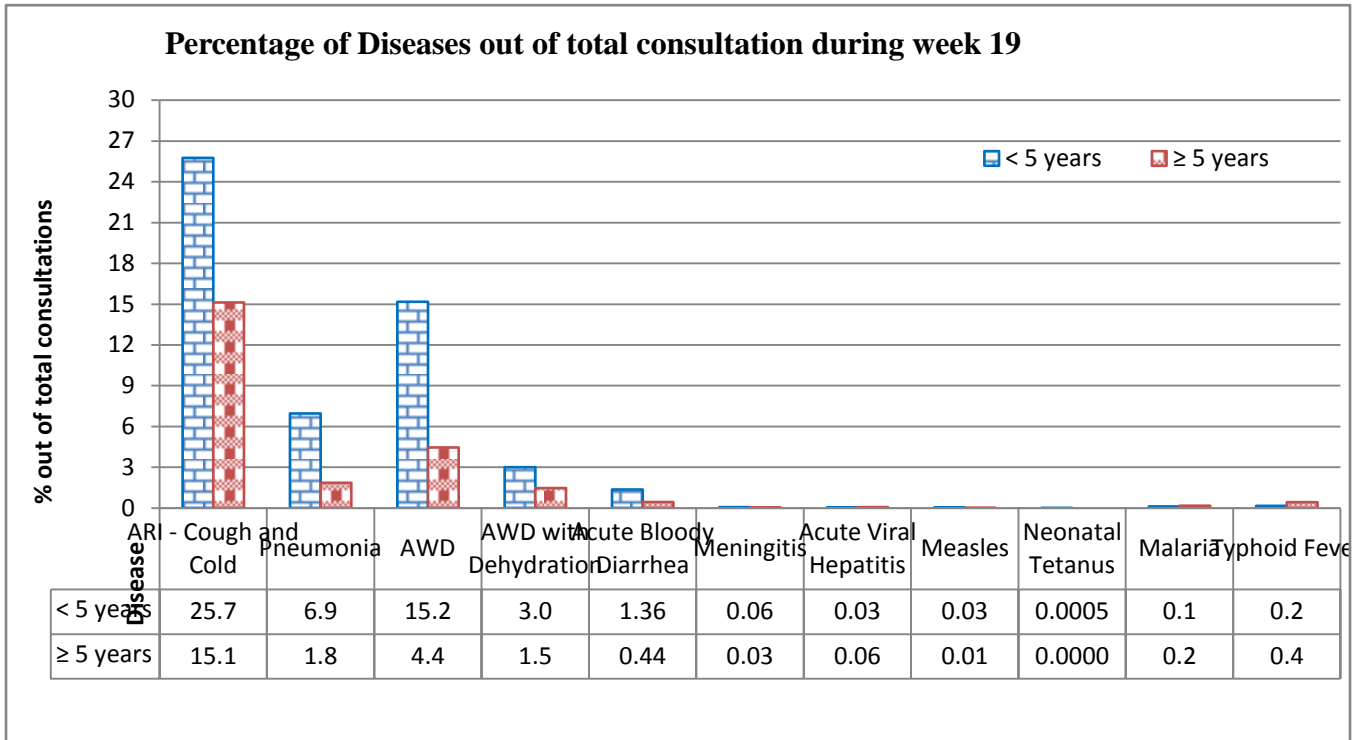
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Sub center	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	1017	<b>1,676</b>
HF covered by NDSR-Plus	32	77	453	1	50	13	25	<b>651</b>

**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**

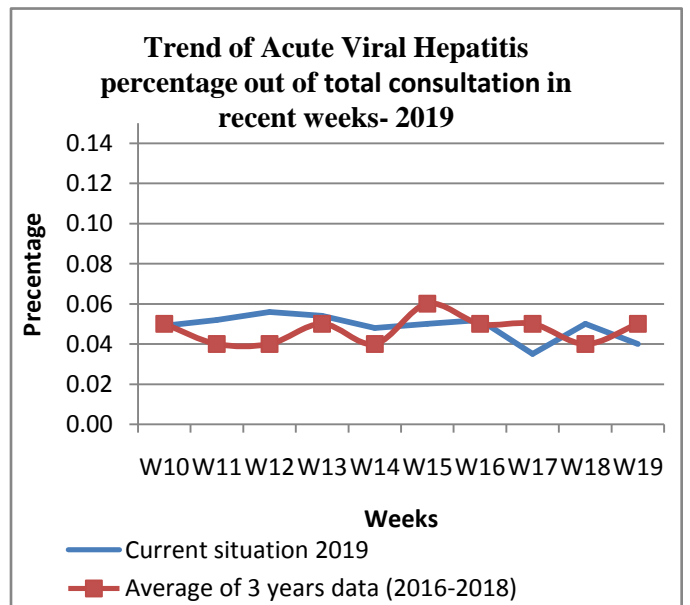
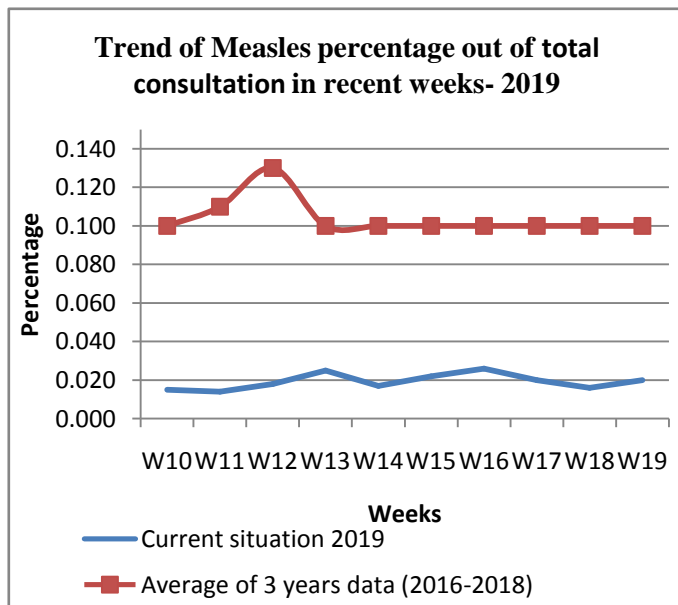
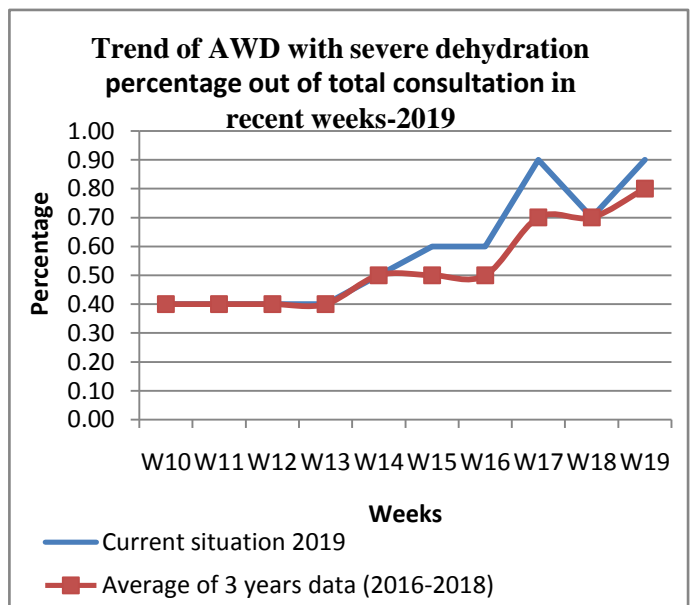
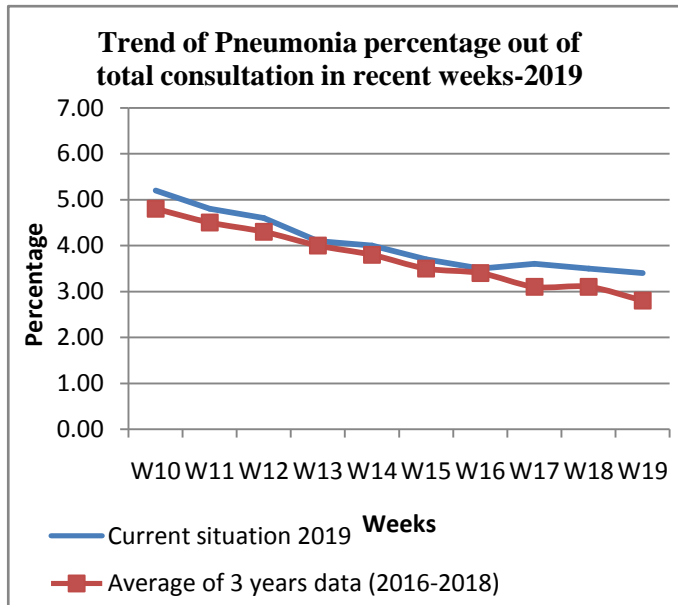


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 19<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	63	50	113	0	0	0	0.00
Pertussis	7	1	8	0	0	0	0.00
Neonatal tetanus	0	1	1	0	0	0	0.00

### Seasonal Diseases:



During week 19<sup>th</sup> total of 19 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
5 May 2019	Kabul	District 5	Kota-e-Sangi	1	0	20 Y	Student	During this week 12 suspected CCHF cases were reported from Kabul, Herat, Paktika, Kandahar, Kundoz, Nuristan and Nangarhar provinces, had probable contact with animals or the tissues of the animal, case management was done, health education sessions were conducted. Case Fatality rate for CCHF was 16.7% (per 100) in this week
7 May 2019	Kabul	District 11	KhairKhana	1	0	25	Butcher	
7 May 2019	Paktika	Orgon	Khana Dar	1	0	18 Y	Student	
6 May 2019	Kabul	District 5	QalaKashif	1	0	30 Y	Butcher	
6 May 2019	Kabul	District 16	Qala Zaman khan	1	0	48 Y	Worker	
8 May 2019	Kandahar	0	0	1	0	45 Y	Other	
11 May 2019	Kunduz	District 1	Naw abad KhajaMashal	1	0	25 Y	Butcher	
9 May 2019	Nuristan	Wama	Korder	1	0	5 Y	Child	
11 May 2019	Nangarhar	Sourkhroad	Hajisahiba	1	0	45 Y	Butcher	
5 May 2019	Hirat	Guzara	Sawristan	1	1	21 Y	Housewife	
10 May 2019	Hirat	Injil	Bozdan	1	0	40 Y	Housewife	
9 May 2019	Kunduz	Kunduz city	3 Area	1	1	18 Y	Butcher	
Dog bite/suspected Rabies Outbreaks								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
6 May 2019	Khost	Gurboz	Shamir	1	0	In this week Three Dog bite/suspected Rabies outbreaks were reported from Khost province, the outbreaks were investigated, case management was done for all the cases, and health education session was conducted as well		
1 May 2019	Khost	Matoon	Worgha	1	0			
1 May 2019	Khost	Mandozai	Dogoona	1	0			
Mass Psychogenic outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take		
7 May 2019	Parwan	Shikh Ali	Dahana-e-Robot girl high school	12	0	In this week one Mass Psychogenic outbreak reported from Parwan province, the outbreak was investigated, case management was done for all the cases and health education session was conducted as well		

Scabies outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
5 May 2019	Takhar	Farkhar	Puli Darbawo	41	0	In this week one Scabies outbreak was reported from Takhar province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.				
Suspected Pertussis outbreak										
Reported date	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
7 May 2019	Badakhshan	Keshum	Khashak Dara	0	4	4	0	0%	0%	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.
Suspected Measles Outbreak										
Reported date	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
7 May 2019	Daikundi	Kitty	Talkh Boota	0	6	6	2	0%	0%	In this week one Measles outbreak was reported, investigation was conducted, case management was done for all the cases, vaccination plan was made for the surrounding villages eligible children, health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 19<sup>th</sup>, 2019

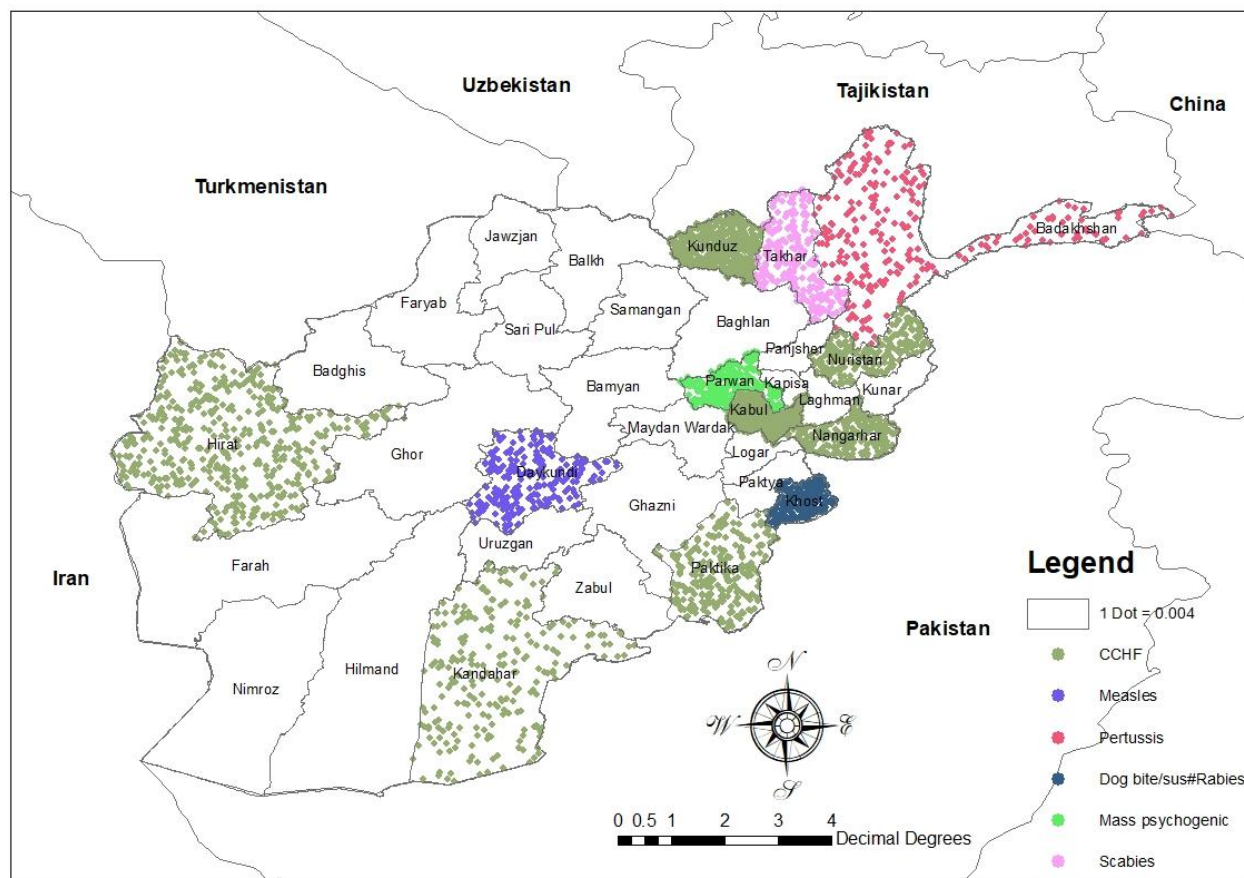


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 11 May 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	45	7	48	6
Measles	16	10	155	2
Dog bites/Suspected Rabies	12	2	60	1
Chickenpox	9	0	192	0
Scabies	7	0	320	0
Pertussis	4	0	37	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
Diphtheria	1	0	1	0

Mumps	1	0	92	0
Unknown Hemorrhagic	1	0	9	2
Mass psychogenic Illness	1	0	12	0
Mushroom poisoning	1	0	9	0
Pneumonia	1	0	51	3
ARI	1	0	629	0
<b>Grand Total</b>	<b>109</b>	<b>22</b>	<b>1878</b>	<b>16</b>

### Laboratory surveillance:

In this week a total of 120 different specimens/samples were received by CPHL, out of which 11 specimens were positive for CCHF, 06 specimens were positive for measles and 02 water samples were positive for E-Coli, while the rest are under process. (Follow up by the CPHL is going on).

### Influenza Surveillance activity

In Epidemiologic week 19 , 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(3.7%) Sever Acute Respiratory Infections cases were reported and 62% of them were among under 5 years old. The proportion of SARI cases was decreased than week 18-2019.

However, there were 2 SARI associated deaths reported in this week and both of them were among under 2 year children.

In EPI week 19, our National Influenza Center (NIC) received 27 SARI and 18 ILI specimens from all 9 surveillance sites, During week 19, NIC was able to detect 2 Flu B and one Flu A H3 influenza viruses .

### Recommendations:

- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **EPI:** As the system detected 08 suspected pertussis and 01 Tetanus cases, therefore further investigation should be conducted by EPI team.
- **RH:** Reproductive Health Department: In week-19, 02 pregnancy related deaths were reported which needs to be followed up by assigned maternal death review committees.
- **Lab:** 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