



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-16<sup>th</sup>

Date: 14 to 20 April 2019

### Summary:

- Out of 650 functional Surveillance sentinel sites, 631(97%) have submitted reports this week.
- Out of a total of 550,349 new consultations, 181,288(32.9%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 107,048 cases, 19.5% out of total new consultations and Pneumonia, 19,386 cases, 3.5% out of total new consultations) and Acute Diarrheal Diseases, 51,775 cases, 9.3% out of total new consultations.
- A total of 236 deaths were reported this week, of which 42 were due to Surveillance targeted diseases, which includes 25 Pneumonia deaths, 06 Meningitis deaths, 03 Acute Diarrheal Disease deaths, 03 Acute Viral Hepatitis deaths, 02 Pregnancy related deaths reported from Kunduz and Sharan sentinel sites, 02 Measles deaths and 01 Hemorrhagic fever death.
- Total of 09 outbreaks reported this week; of which 04 were suspected CCHF outbreaks reported from Kabul, Faryab and Herat provinces, 02 Scabies outbreaks reported from Logar and Jawzjan provinces, 01 suspected Measles outbreak reported from Bamiyan province, 01 probable Diphtheria outbreak reported from Nuristan province and 01 Chickenpox outbreak reported from Herat province.

Figure 1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility

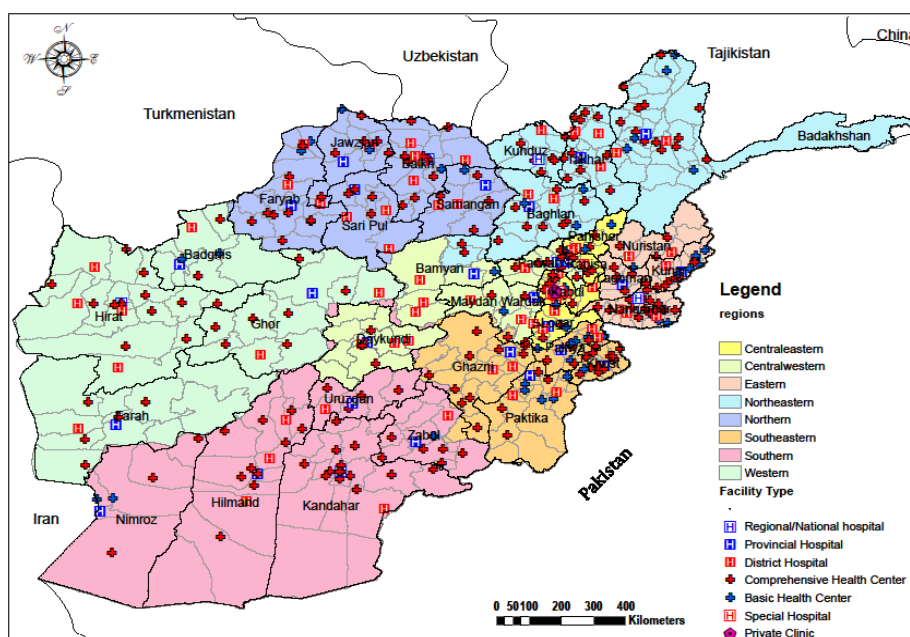


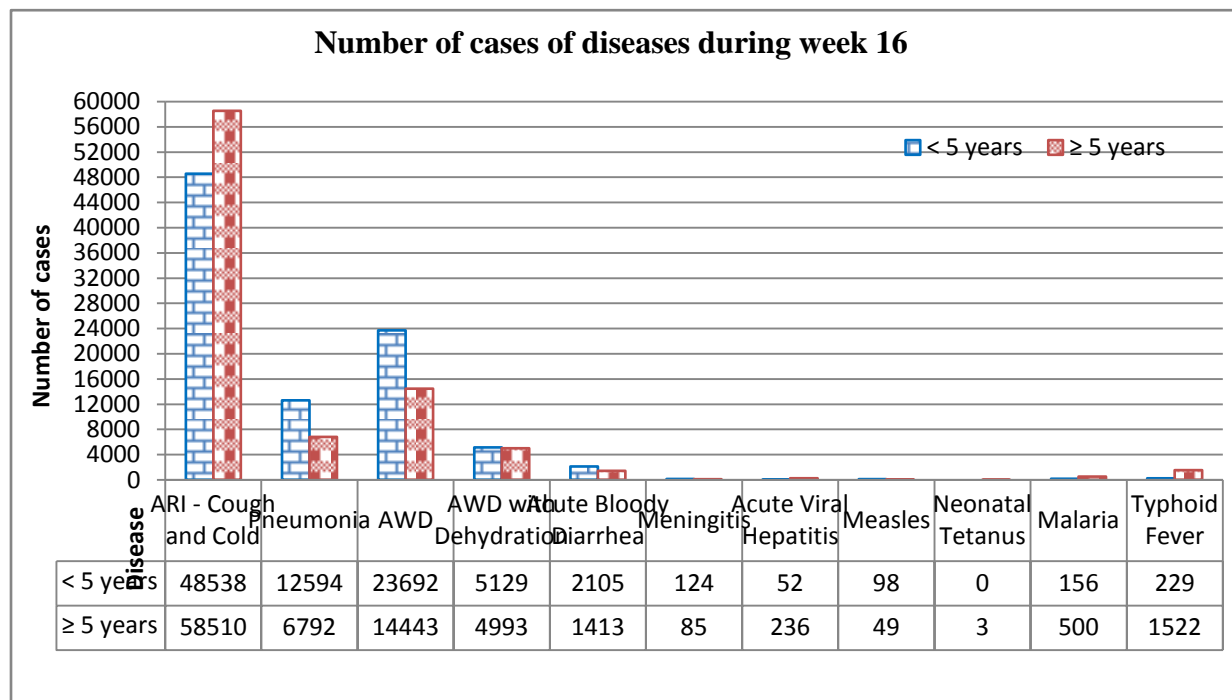
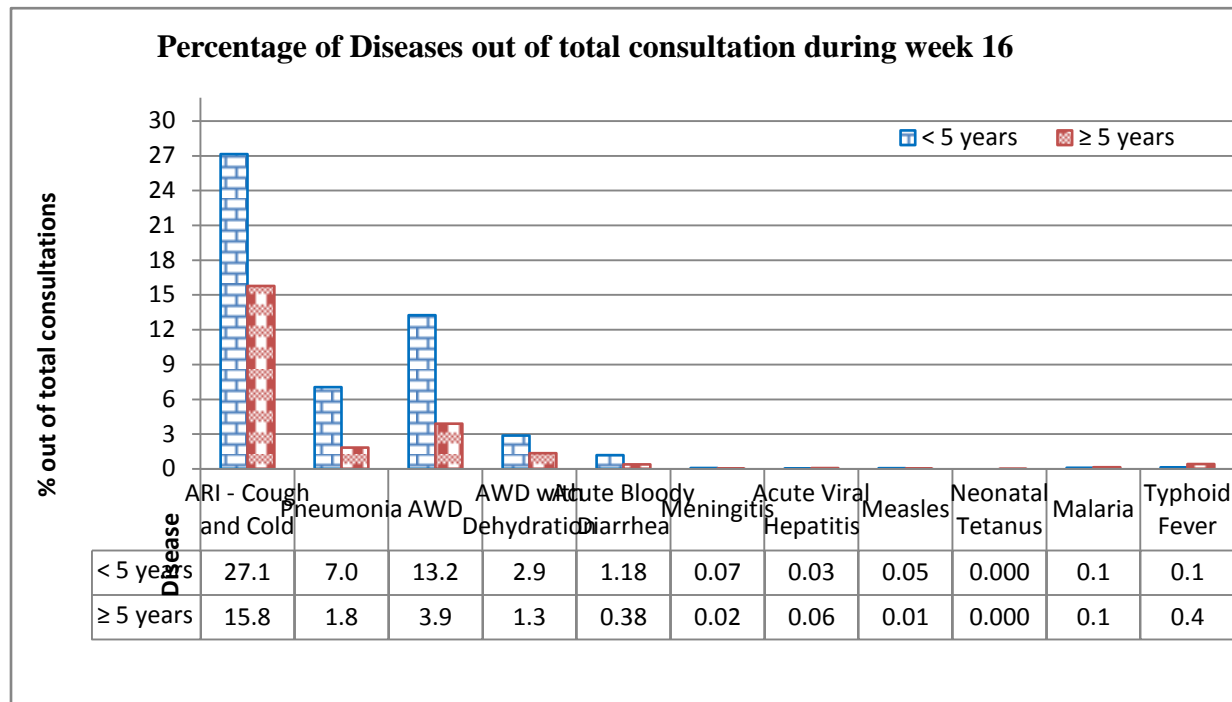
Table 1: Coverage of NDSR Surveillance System

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	UN	<b>1,676</b>
HF covered by NDSR-Plus	32	77	452	1	50	13	25	<b>650</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**

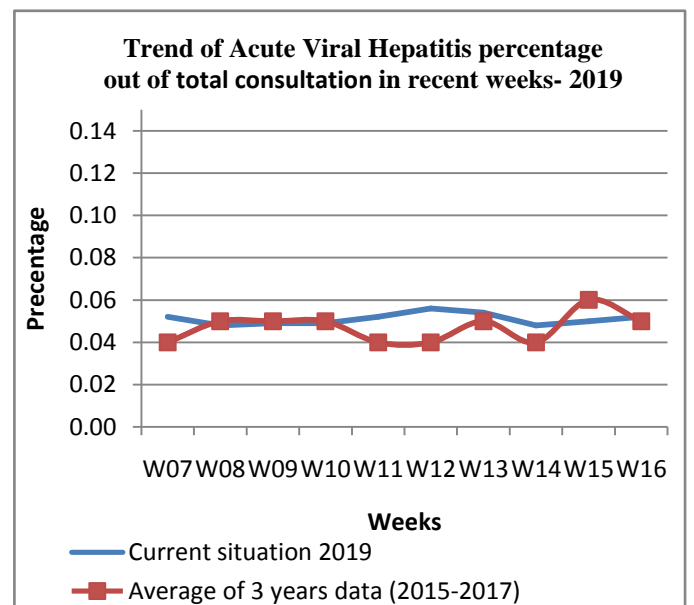
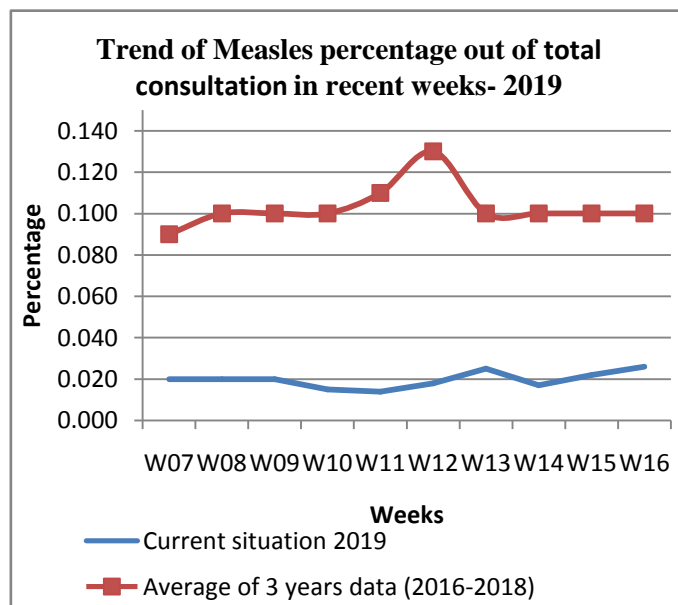
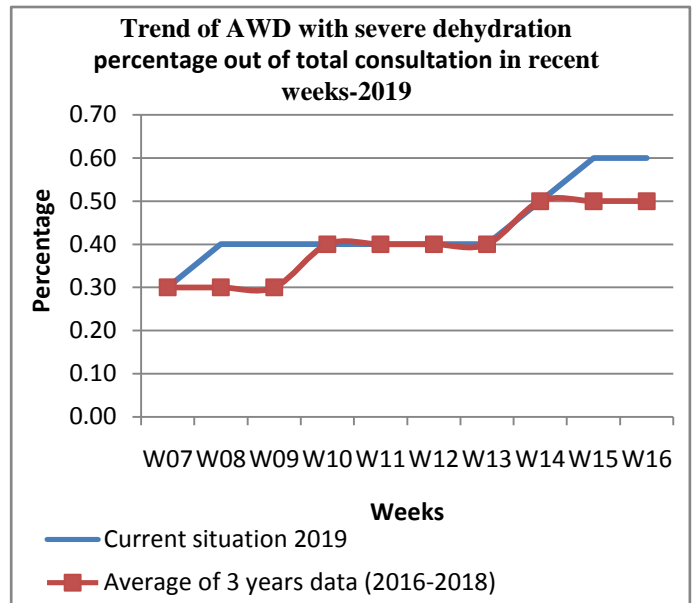
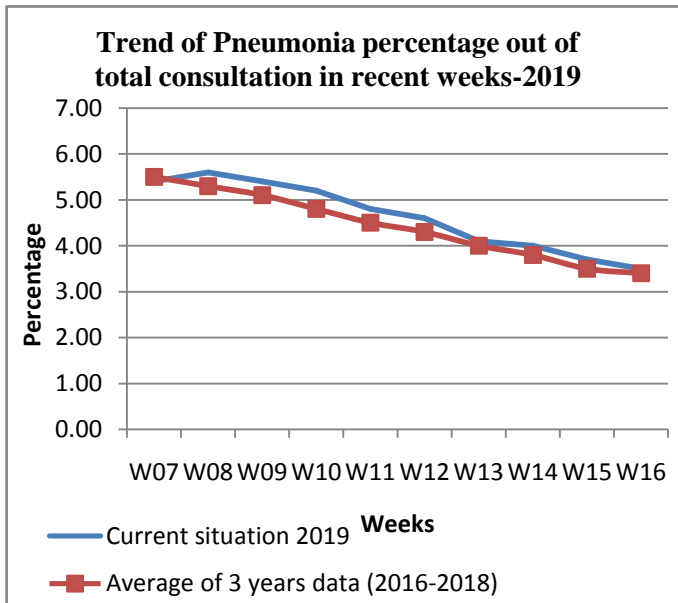


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 16<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	98	49	147	1	1	2	1.36
Pertussis	1	0	1	0	0	0	0.00
Diphtheria	0	1	1	0	0	0	0.00
Tetanus	0	3	3	0	0	0	0.00

### Seasonal Diseases:



During week 16<sup>th</sup> total of 09 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		
18 April 2019	Kabul	District 4	Tahiya Maskan	1	1	28 Y	Housewife	During this week four suspected CCHF cases were reported from Kabul, Faryab and Herat 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 25% (per 100) in this week		
19 April 2019	Faryab	District 9	Shahr	1	0	35 Y	Worker			
19 April 2019	Kabul	Deh Sabz	Aziz Hutak	1	0	55 Y	Jobless			
20 April 2019	Herat	Gulran	Totichi	1	0	18 Y	Farmer			
Clinical Scabies Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take				
14 April 2019	Logar	Puli Alam	Prison	46	0	In this week two clinical Scabies outbreaks were reported from Logar and Jawzjan provinces, the outbreaks were investigated, case management was done for all the cases, health education sessions were conducted as well.				
14 April 2019	Jawzjan	Khanaqa	Torly	48	0					
Suspected Measles / Outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
15 April	Bamyan	Center of Bamyan	Dara Qazan	3	4	7	0	80%	Unknown	In this week one suspected Measles outbreak was reported from Bamyan province, the 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.

Probable Diphtheria / Outbreak								
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	Recommendation/Action take
15 April 2019	Nuristan	Daram	Mavy	0	1	1	0	In this week one probable Diphtheria outbreak was reported from Nuristan province, the outbreak was investigated, case management was done, health education session was conducted as well.

Clinical Chickenpox Outbreak						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
17 April 2019	Herat	City	High school	12	0	In this week one clinical Chickenpox outbreak was reported from Herat province, the outbreak was investigated, case management was done for all the cases, health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 16<sup>th</sup>, 2019

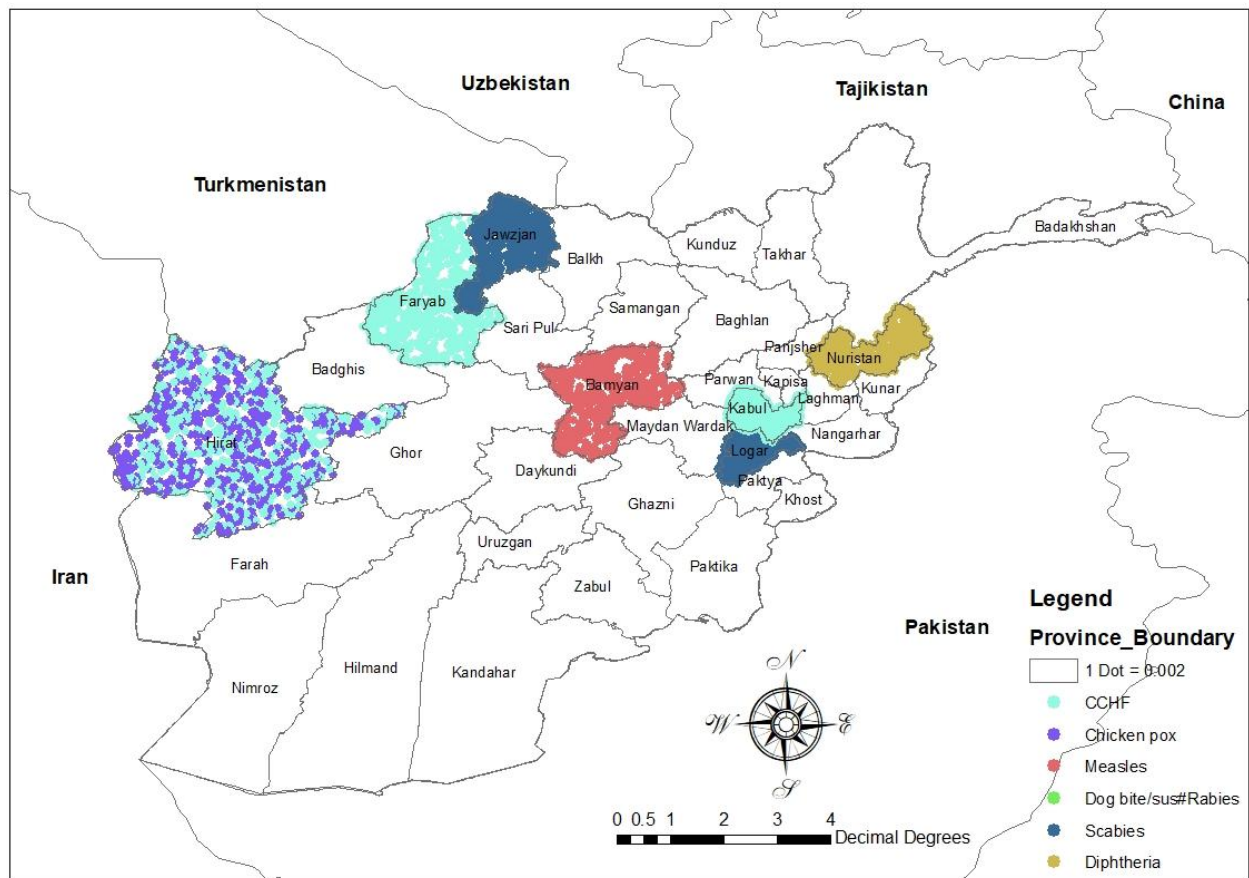


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 20 April 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	22	2	22	3
Measles	15	10	149	0
Chickenpox	8	0	145	0
Dog bites/Suspected Rabies	7	2	47	1
Scabies	6	0	279	0
Leishmaniasis	3	2	85	0
Pertussis	3	0	33	0
Coal Poisoning	2	0	8	2
Acute Viral Hepatitis	1	1	33	0
ARI	1	0	629	0
Unknown Hemorrhagic	1	0	9	1
Pneumonia	1	0	51	3
Diphtheria	1	0	1	0
<b>Grand Total</b>	<b>71</b>	<b>17</b>	<b>1491</b>	<b>10</b>

#### Laboratory surveillance:

In this week a total of 112 different specimens/samples were received by CPHL, out of which 03 specimens were positive and 08 specimens were negative for Measles, 02 specimens were positive for Rubella and 01 specimen was negative for Cholera while the rest are under process. (Follow up by the CPHL is going on).

#### Influenza Surveillance activity

In Epidemiologic week 16, 2019, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyān, Paktya, Nangarhar and Baghlan). Out of all new hospital admission, 148(4.6%) Sever Acute Respiratory Infections cases were reported and 64% of them were among under 5 years old. The proportion of SARI cases was decreased than week 15, 2019. There was 1 SARI associated death reported in this week and was among under 2 children.

In EPI week 16, our National Influenza Center (NIC) received 41 SARI and 29 ILI specimens from all 9 surveillance sites.

#### Recommendations:

The increase in the cases and deaths due to ARI-Pneumonia/SARI and the newly increasing trend of CCHF cases is the cause of concern; this should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.