



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-14th

Date: 31 Mar to 06 April 2019

Summary:

- Out of 649 functional Surveillance sentinel sites, 626(96.4%) have submitted reports this week.
- Out of a total of 567,156 new consultations, 186,621(32.9%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 116,182 cases, 20.5% out of total new consultations and Pneumonia, 22,954 cases, 4% out of total new consultations) and Acute Diarrheal Diseases, 44,614 cases, 7.9% out of total new consultations.
- A total of 231 deaths were reported this week, of which 42 were due to Surveillance targeted diseases, which includes 34 Pneumonia deaths, 03 Pregnancy related deaths reported from Rabia balkhi, Lashkargah and Shaheed Ahmad shah Masood sentinel sites, 03 Meningitis deaths, one Acute Watery Diarrhea death and one Hemorrhagic fever death.
- Total of 11 outbreaks reported this week; of which 04 were Measles outbreaks reported from Urozgan, Zabul, Laghman and Herat, 03 CCHF outbreaks reported from Parwan, Wardak and Herat provinces, 03 Dog bite/suspected Rabies outbreaks reported from Khost and Parwan provinces and one Chickenpox outbreak reported from Herat province.

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

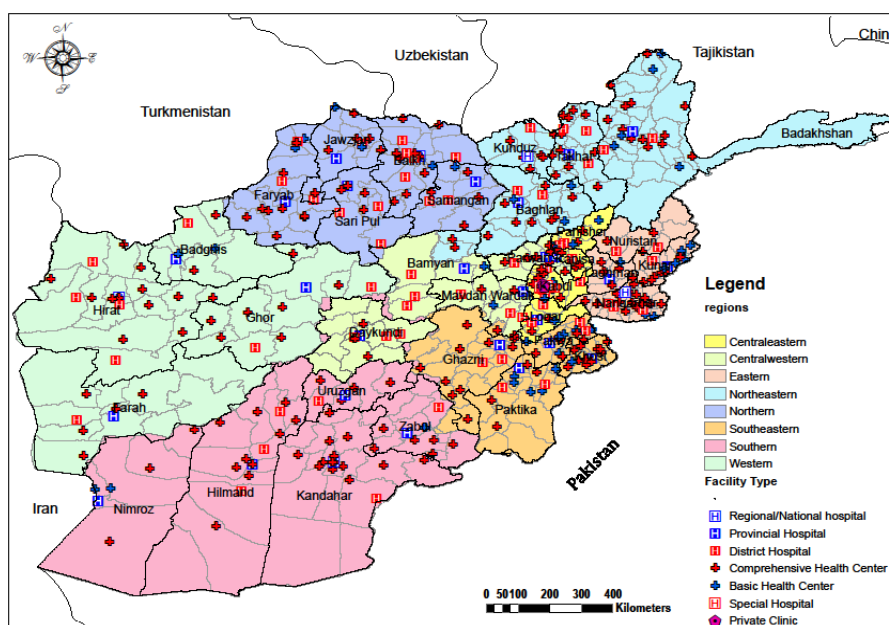


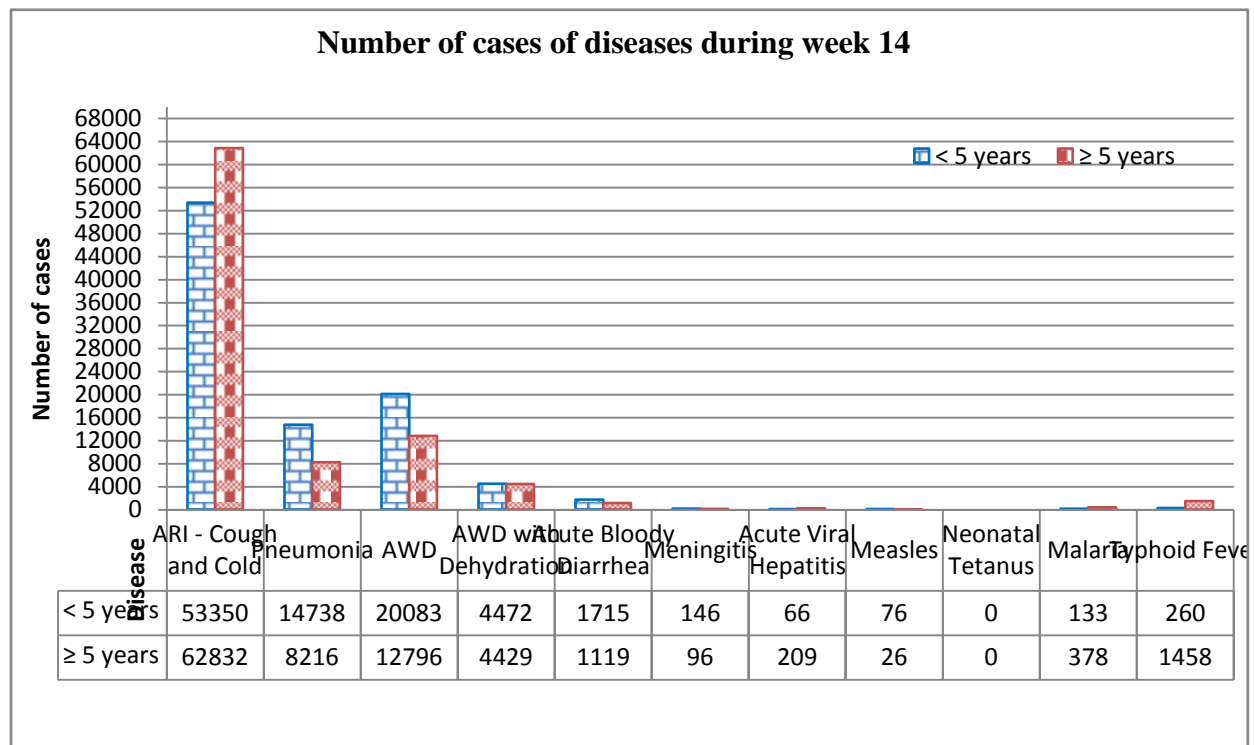
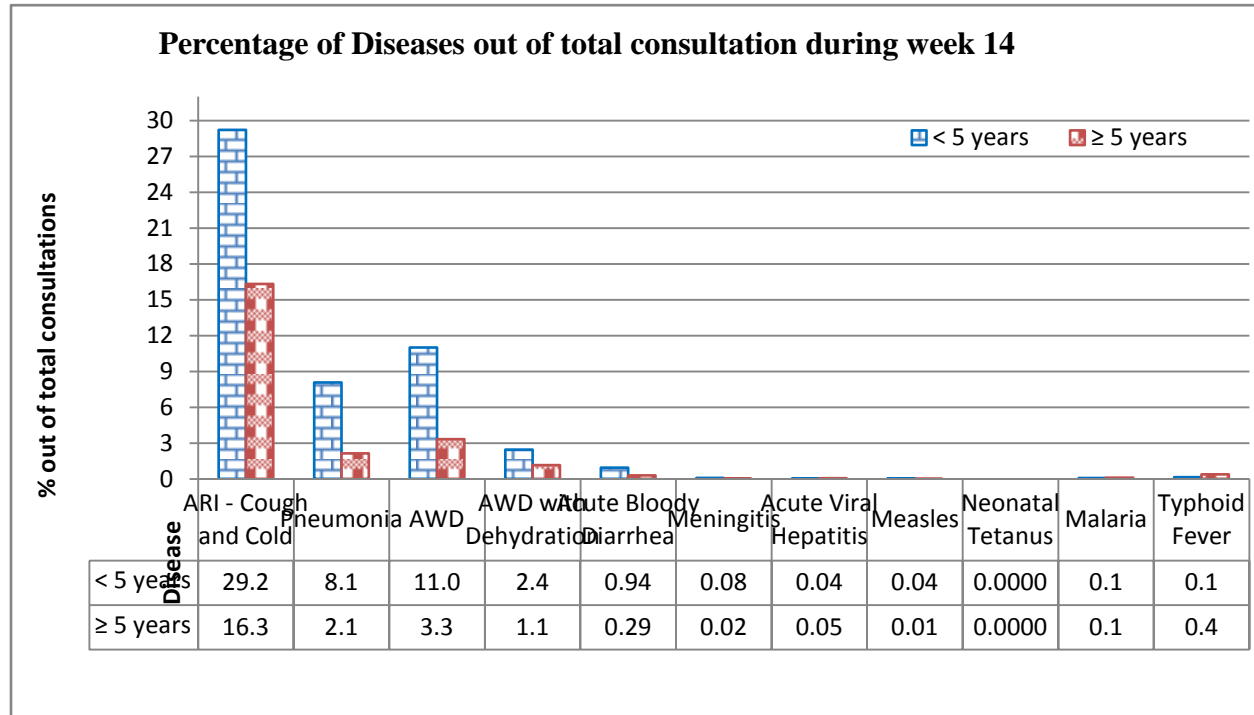
Table 1: Coverage of NDSR Surveillance System

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	UN	1,676
HF covered by NDSR-Plus	32	77	451	1	50	13	25	649

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

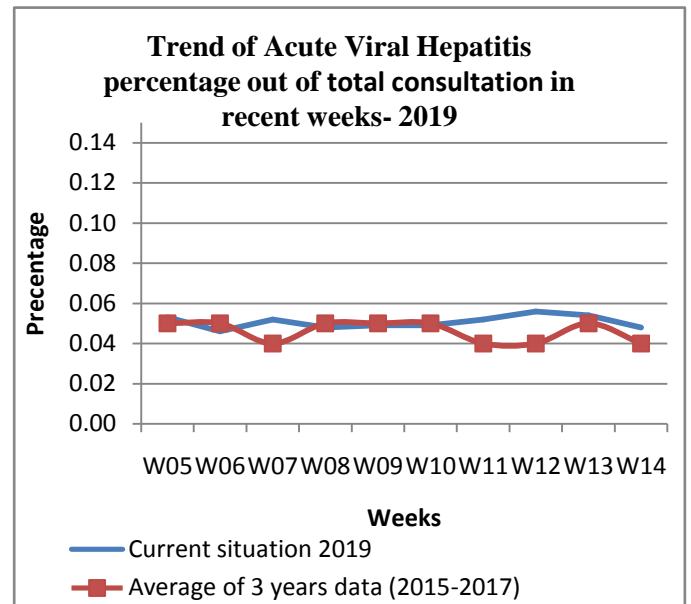
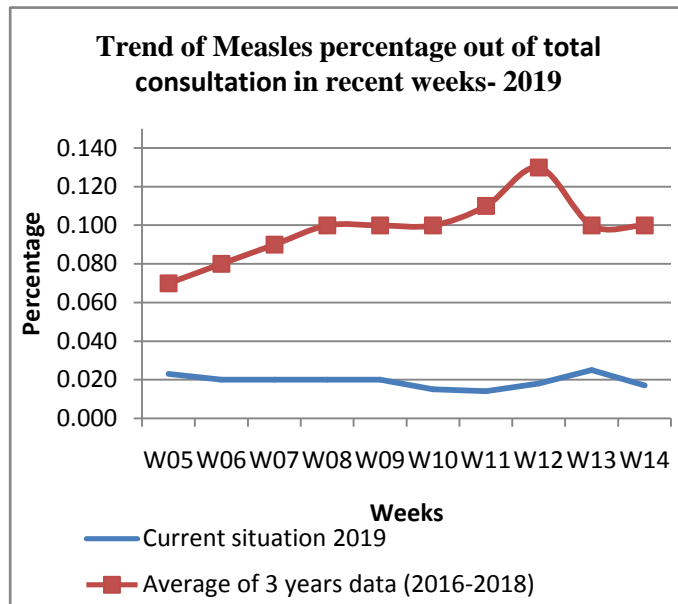
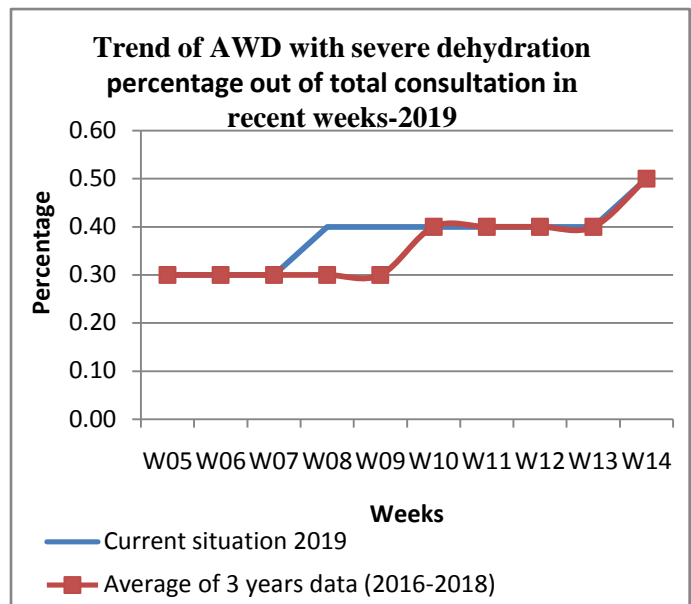
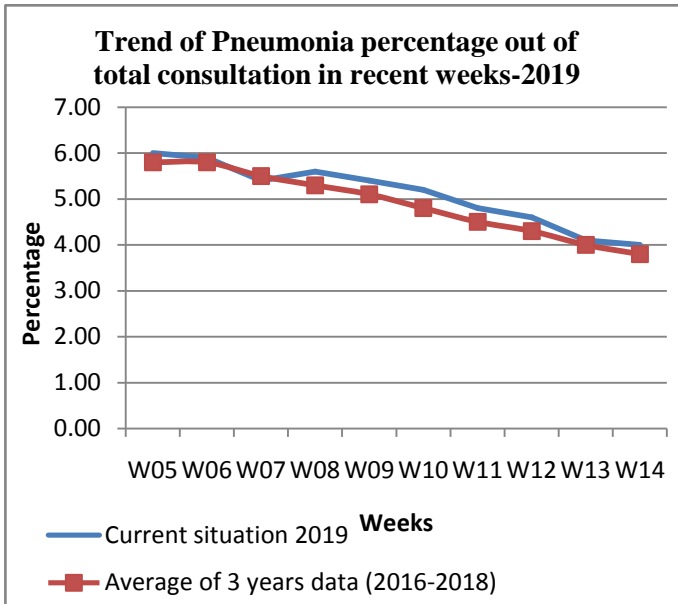


Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 14th, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	76	26	102	0	0	0	0.00
Pertussis	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 14th total of 11 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Suspected Measles outbreak										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation / Action take
30 March	Urozgan	Chinartoo	Seea Ghar	5	6	11	0	60%	78	In this week Four Measles outbreaks were 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.
3 April 2019	Zabul	Shinkai	Dewalak	4	4	8	0	0%	17	
2 April 2019	Herat	Enjil	Camps	4	3	7	0	0%	60	
31 March 2019	Laghman	Baadpakh	AkhunzadganShahgulian	5	1	6	0	65%	80	
Suspected CCHF Outbreak										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
4 April 2019	Parwan	Bagram	QalaPaizib	1	1	30 Y	House wife	During this week Three suspected CCHF cases were reported from Parwan, Wardak and Herat provinces, had probable contact with animals or the tissues of the animal, case management was done, health education sessions was conducted. Case Fatality rate for CCHF was 33.3% (per 100) in this week		
5 April 2019	Wardak	Behsud	Along	1	0	20 Y	Student			
4 April 2019	Herat	Enjil	Diwancha	1	0	18 Y	Farmer			
Suspected Dog bite/suspected Rabies Outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
31 March 2019	Parwan	JabelSaraj	Deh Bala	1	7	8	0	In this week Three Dog bite/suspected Rabies outbreaks were reported from Khost and Parwan provinces, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well.		
2 April 2019	Khost	Gurboz	Waro	0	1	1	0			
6 April 2019	Khost	Tani	Pirbad Shah	0	1	1	0			
Suspected Chickenpox Outbreak										

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
3 April 2019	Herat	Gulran	Qashoqzai Achakzai	1	7	8	0	In this week one Chickenpox outbreak was reported from Herat 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 14th, 2019

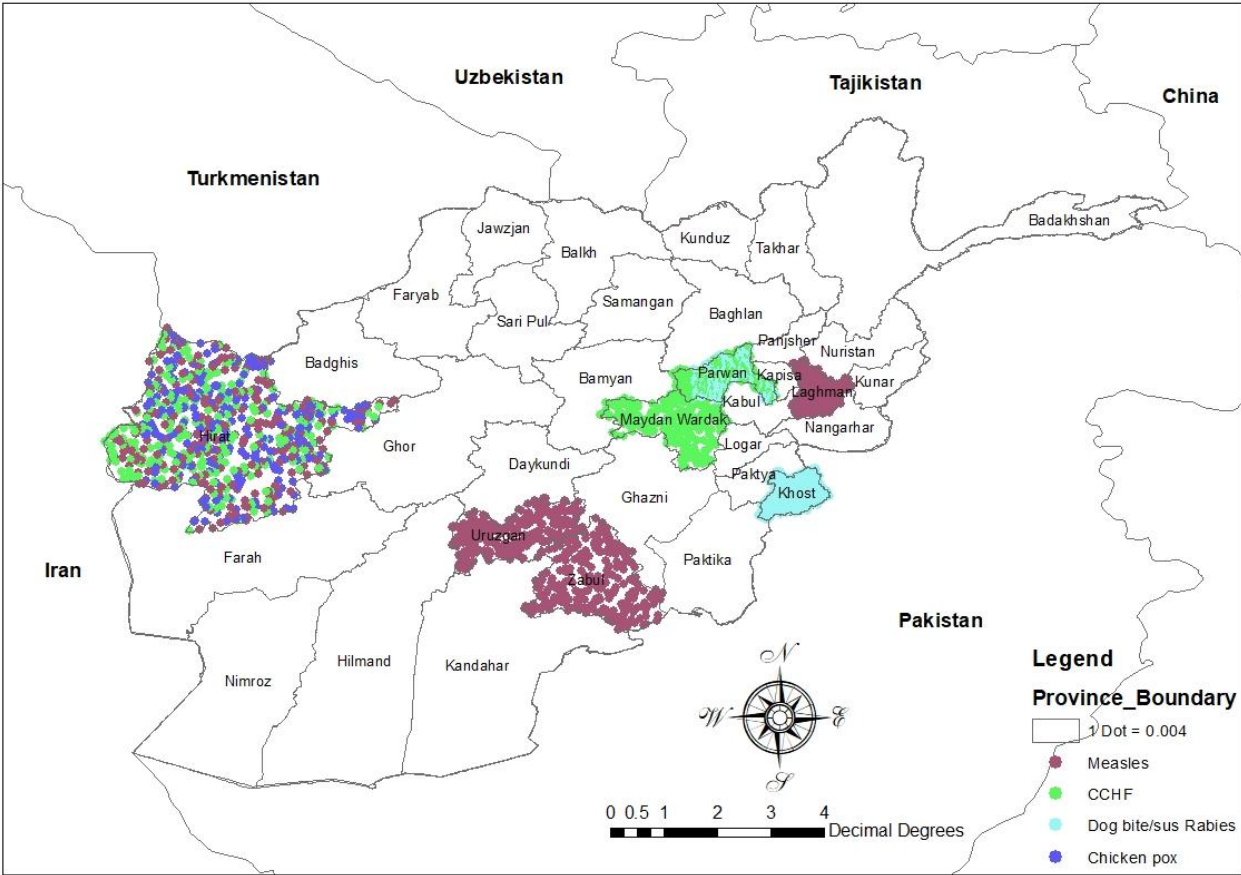


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 06 April 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	17	1	17	1
Measles	14	6	103	0
Dog bites/Suspected Rabies	7	2	47	1
Chickenpox	6	0	78	0
Scabies	4	0	185	0
Pertussis	3	0	33	0
Leishmaniasis	3	2	85	0
Coal Poisoning	2	0	8	2
Unknown Hemorrhagic	1	0	9	1
Acute Viral Hepatitis	1	1	33	0
ARI	1	0	629	0
Pneumonia	1	0	51	3
Grand Total	60	12	1278	8

Laboratory surveillance:

In this week a total of 92 different specimens/samples were received by CPHL, out of which 21 specimens were positive and 13 specimens were negative for Measles and 04 specimens were positive for Rubella while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiologic week 14, 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, 217(6.4%) Sever Acute Respiratory Infections cases were reported and 52% of them were among under 5 years old. The proportion of SARI cases was increased than week 13, 2019. There was 1 SARI associated death reported in this week in under 2 year child.

In EPI week 14, our National Influenza Center (NIC) received 41 SARI and 28 ILI specimens from all 9 surveillance sites.

Recommendations:

The increase in the cases and deaths due to ARI-Pneumonia/SARI and the natural events related deaths are the cause of concern; this should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.