



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-08th

Date: 16 to 22 Feb 2020

Summary:

- Out of 520 functional Surveillance sentinel sites, 490(94.2%) have submitted reports this week.
- A total of 501,332 new consultations, 181,535 (36.2%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 124,115 cases, 24.8% out of total new consultations and Pneumonia, 28,955 cases, 5.8% out of total new consultations, Acute Diarrheal Diseases, 26,953 cases, 5.4% out of total new consultations.
- A total of 316 deaths were reported this week, of which 54 were due to Surveillance targeted diseases, which includes 47 Pneumonia deaths, 03 Meningitis deaths, 02 Pregnancy-related deaths reported from Rabia Balkhi NH and Zaranj-Nimroz PH sentinel sites and 02 Acute Viral Hepatitis deaths.
- In this week one suspected Measles outbreak reported from Kabul province, Pul-e-charkhi prison.

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

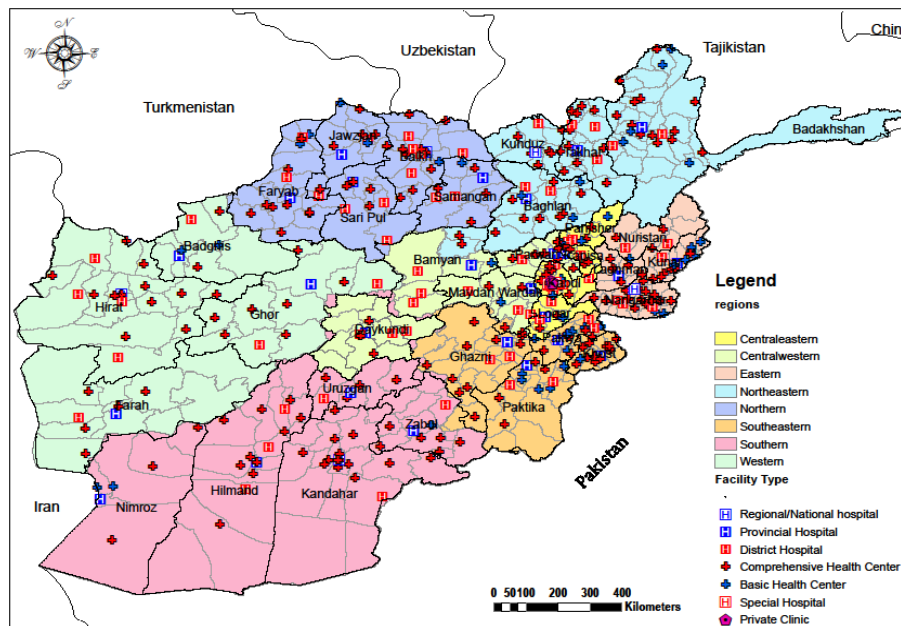


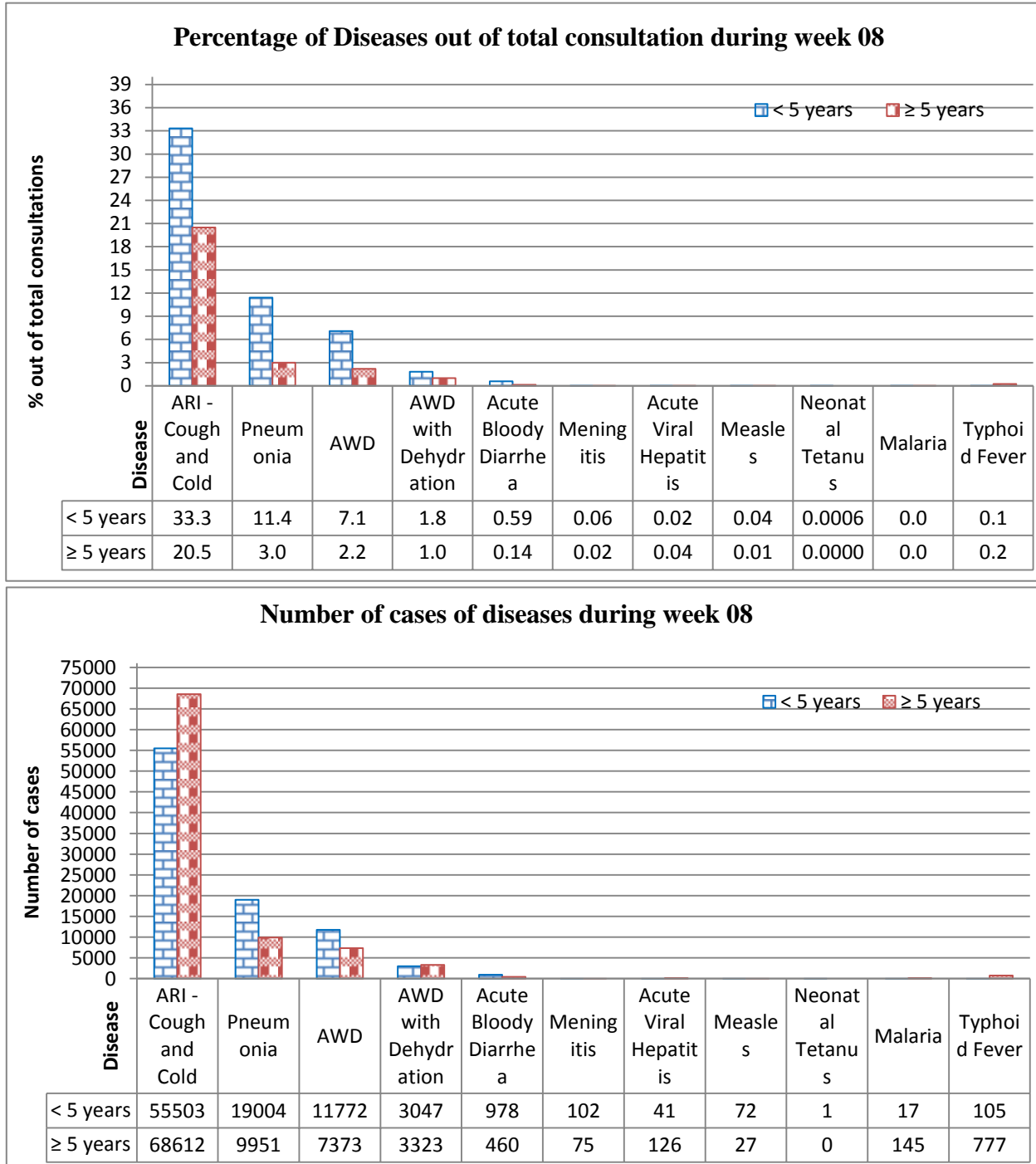
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	3,718
HF covered by NDSR-Plus	32	77	396	12	3	520

Indicator – based Surveillance:

The Indicator-based surveillance component of NDSR report 16 priority conditions/infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and the 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

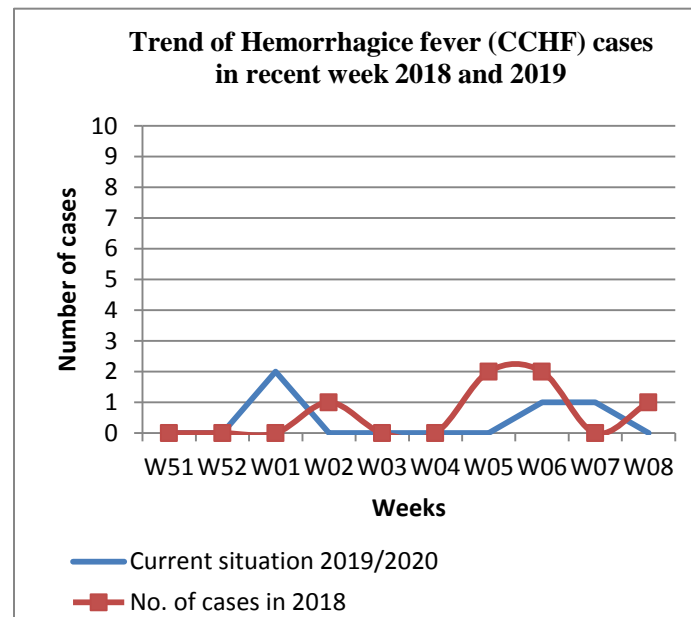
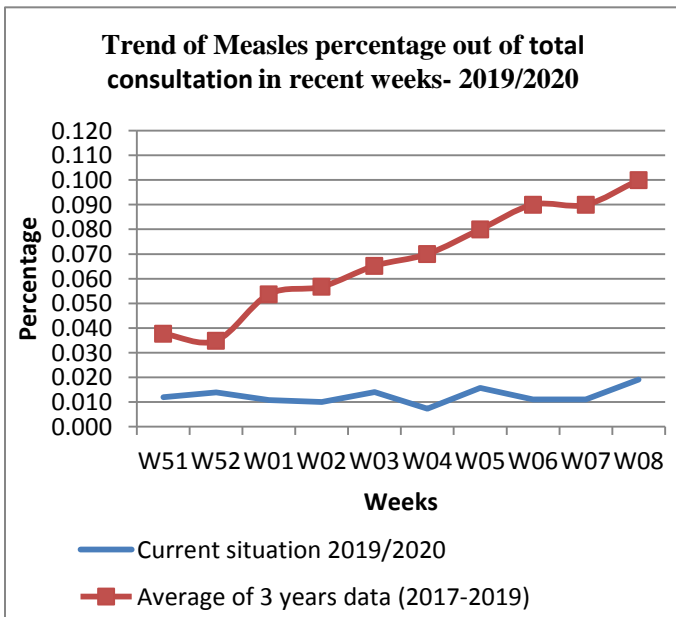
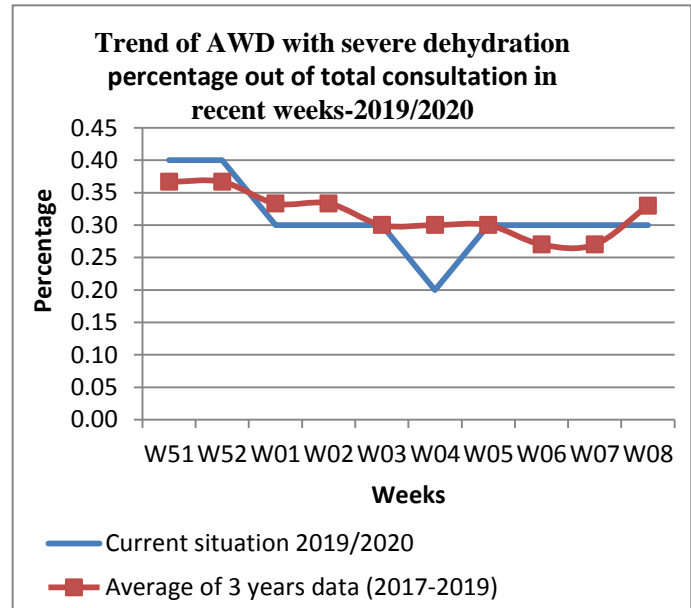
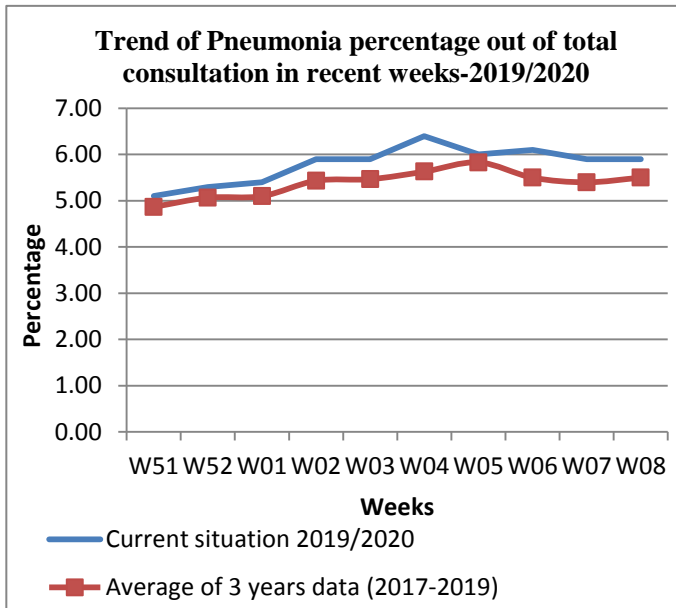


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 08th 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	72	27	99	0	0	0	0.00
Neonatal tetanus	1	0	1	0	0	0	0.00

Seasonal Diseases:



During week 08th total of 01 outbreak 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
16 Feb 2020	Kabul	District 9	Pule charkhi	28	32	60	1	70%	Low	In this week one Measles outbreak was reported from Kabul Pul-e-charkhi prison. The cases were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding eligible children in the mentioned prison, and health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 08th, 2020

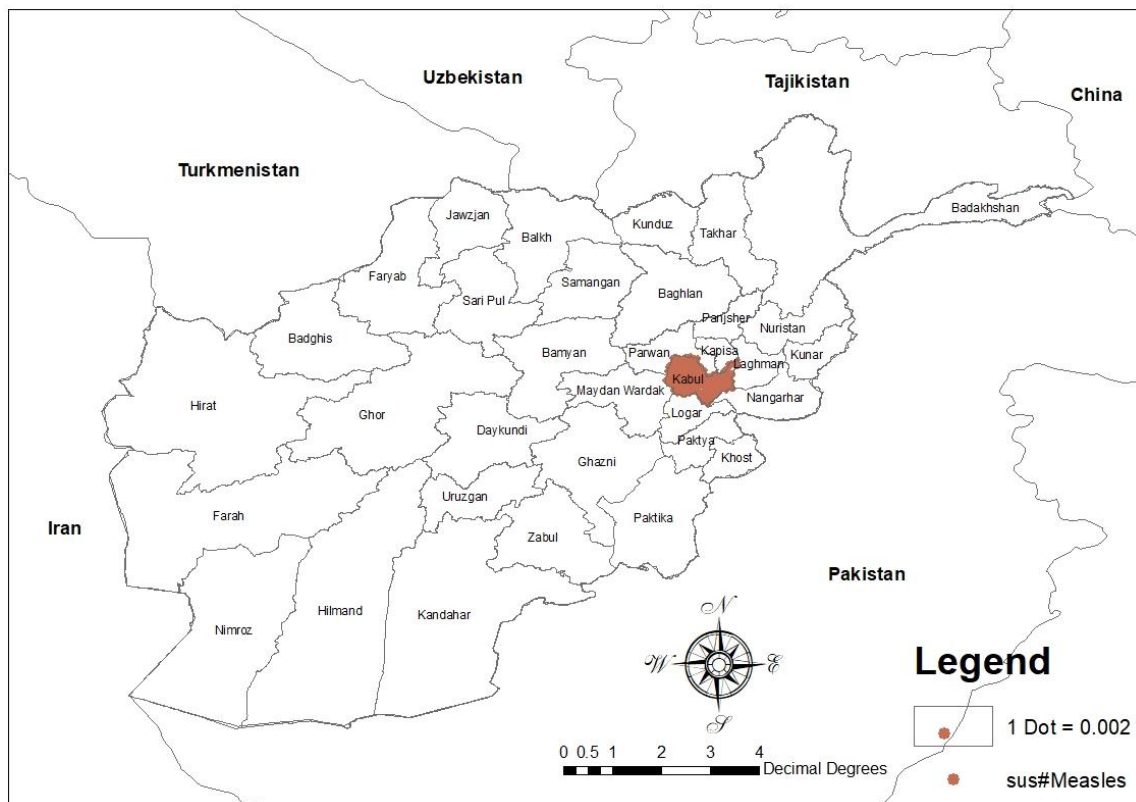


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 22 Feb 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	8	2	139	1
CCHF	4	0	4	1
Chickenpox	4	0	64	0
Pertussis	4	0	20	0
Dog bites/Suspected Rabies	4	0	53	0
Scabies	3	0	206	0
Pneumonia	2	0	208	46
Mumps	1	0	51	0
Acute Bloody diarrhea	1	0	120	0
Acute Viral Hepatitis	1	0	10	0
Grand Total	32	2	875	47

Laboratory surveillance:

In this week a total of 162 different specimens/samples were received by CPHL, out of which 58 specimens were negative and 01 specimen was positive for COVID-19 and 02 specimens were positive for Measles while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiological week 8th, 2020, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admission, 375(10%) Severe Acute Respiratory Infections cases were reported and 73% of them were among under 5 years old. The proportion of SARI cases was increased compared to week 7th, 2020. Eight SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (52%), followed by Kabul (20%) and Paktia (18%). In this Epidemiological week, our field staff sent 58 SARI and 35 ILI specimens to the National Influenza Center (NIC).

Surveillance activities on Novel Coronavirus 2019 Surveillance

During week 08, our NIC received specimens from suspected COVID-19. Out of which only one sample was confirmed for COVID 19 by rtPCR from Herat province. The case has been isolated in the isolation ward of Herat Regional Hospital and contact tracing for this confirmed case has been continuing till 14 days of their last contact with the case.

In this week, our screening team totally screened passengers of which of them returned from china and Iran. All screened passengers have been checked for fever and their contact detail recorded for additional follow up.

Recommendations:

- All the public and private health facilities should receive the surveillance new case definition of COVID-19 from the provincial surveillance officers to report the suspected cases
- Screening for the passengers coming from China and Iran countries should be strengthened in all international airports and ground crossing borders in Afghanistan
- Health education session on COVID-19 should be conducted in all public and private HFs in the provinces
- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **EPI:** As the system detected 159 suspected Measles cases/one death and 01 Neonatal tetanus case, further investigation should be conducted by EPI team.
- **RH:** 02 Pregnancy related deaths were reported from Rabia Balkhi NH and Zarang-Nimroz PH /sentinel sites 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.