



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-09th

Date: 23 to 29 Feb 2020

Summary:

- Out of 520 functional Surveillance sentinel sites, 488(93.4%) have submitted reports this week.
- A total of 511,741 new consultations, 187,316 (36.6%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 130,193 cases, 25.4% out of total new consultations and Pneumonia, 26,552 cases, 5.2% out of total new consultations, Acute Diarrheal Diseases, 29,109 cases, 5.7% out of total new consultations.
- A total of 271 deaths were reported this week, of which 65 were due to Surveillance targeted diseases, which includes 58 Pneumonia deaths, 04 Meningitis deaths, 02 Measles deaths and one Acute Watery Diarrhea death.
- A total of 03 outbreaks reported this week; of which 02 suspected Measles outbreaks reported from Helmand and Farah provinces and 01 suspected Leishmaniasis outbreak reported from Laghman province.

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

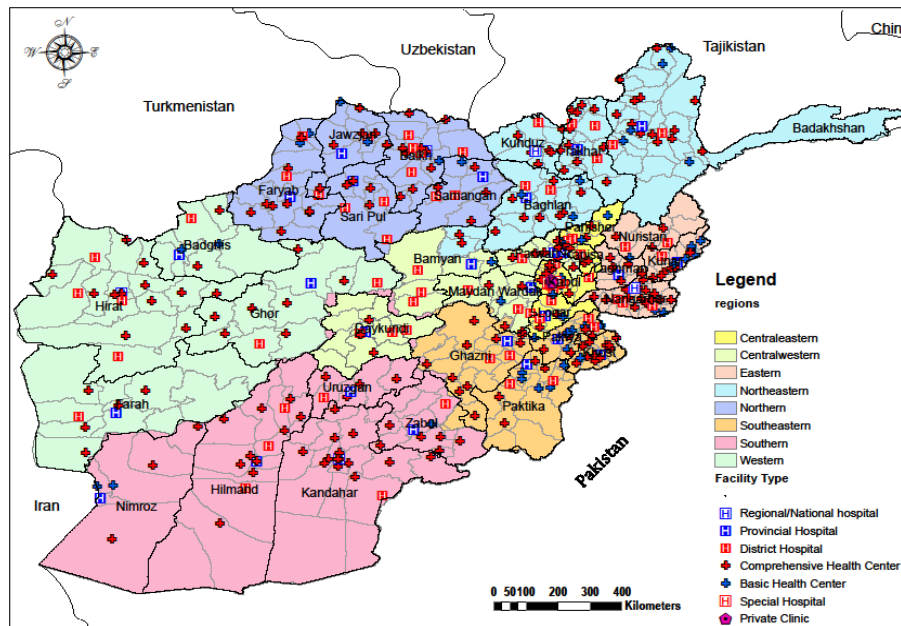


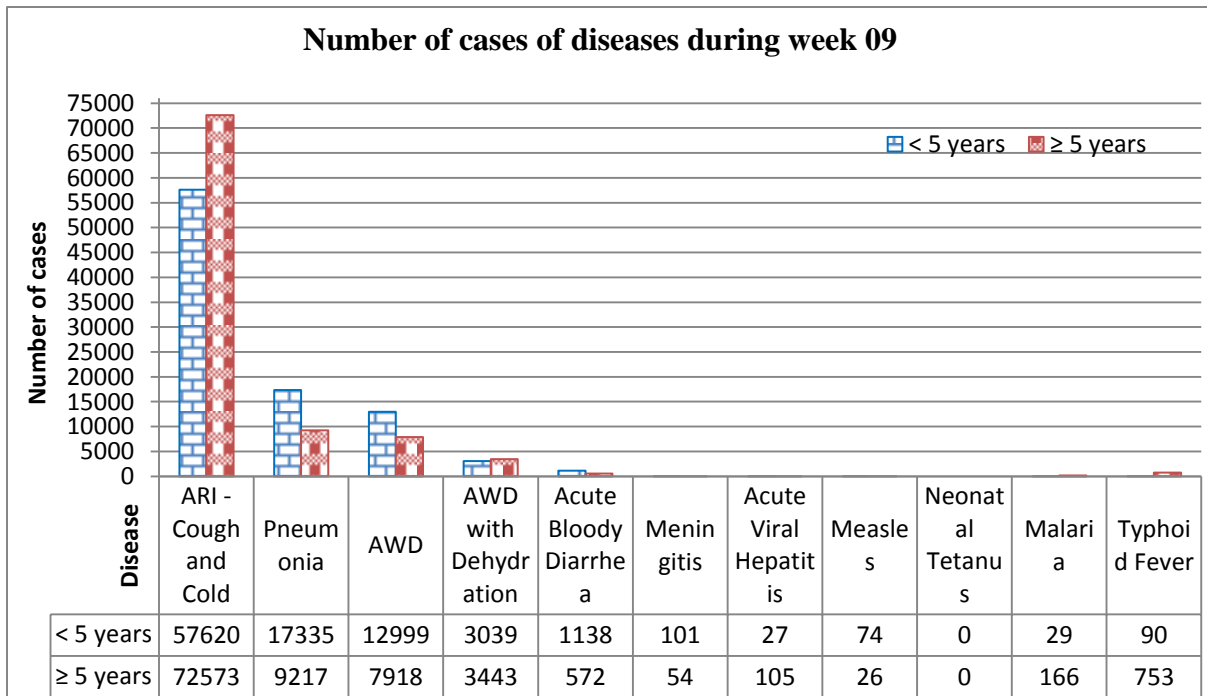
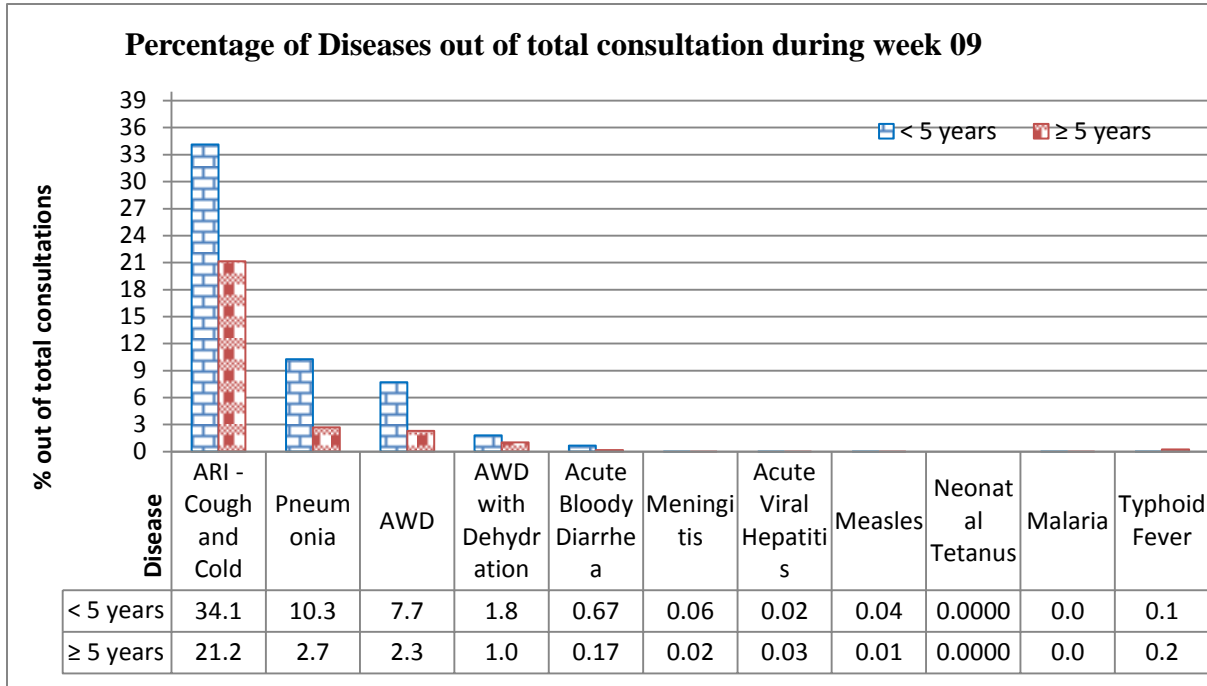
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	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

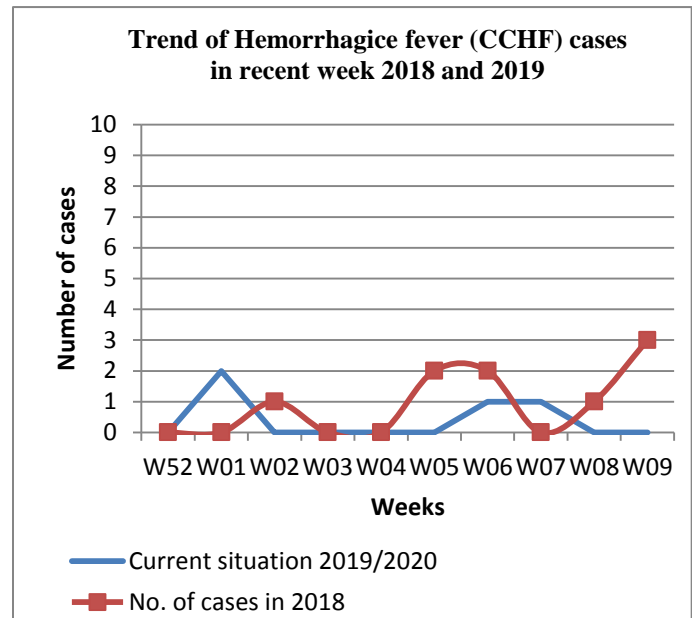
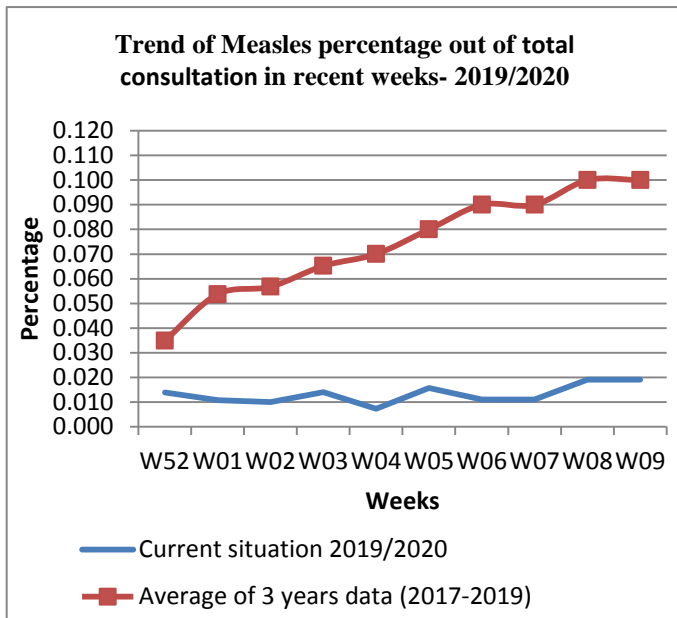
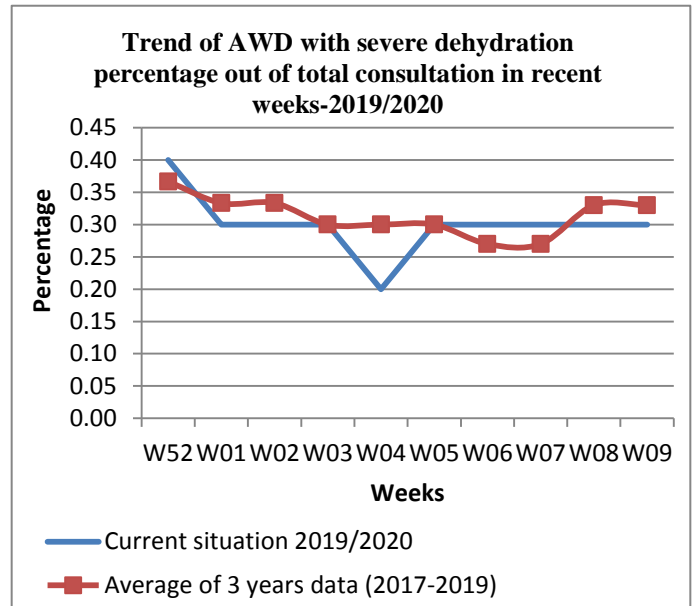
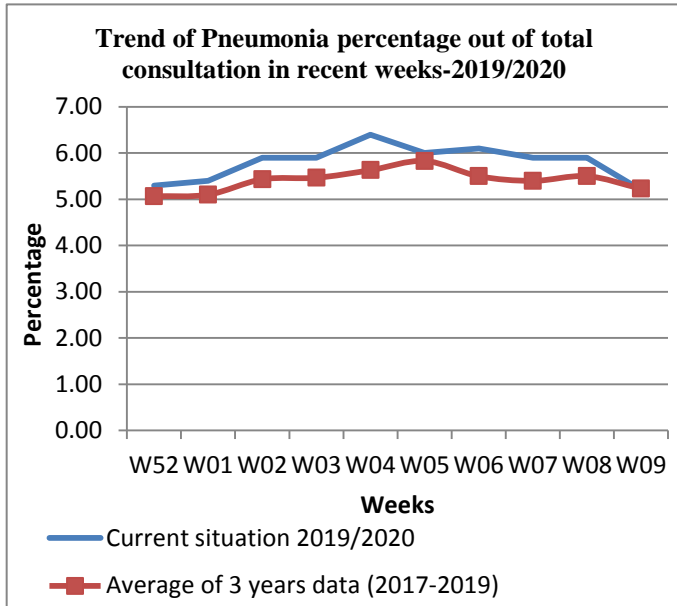


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 09th 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	74	26	100	2	0	2	2.00
Diphtheria	0	1	1	0	0	0	0.00

Seasonal Diseases:



During week 09th total of 03 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Suspected Measles Outbreaks

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
25 Feb 2020	Helmand	Nahreseraj	Bandi Barq	4	3	7	0	35 %	Low	In this week 02 Measles outbreaks were reported from Helmand and Farah provinces. The cases were investigated, case management was done for all the cases, vaccination plan was prepared for the surrounding villages eligible children, and health education session was conducted as well.
18 Feb 2020	Farah	Farah Center	Kandahar	8	3	11	0	56 %	Low	

Suspected Leishmaniasis Outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
26 Feb 2020	Laghman	Baadpakh	Garooch	12	0	In this week one Leishmaniasis outbreak was reported from Laghman province, the outbreaks 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 09th, 2020

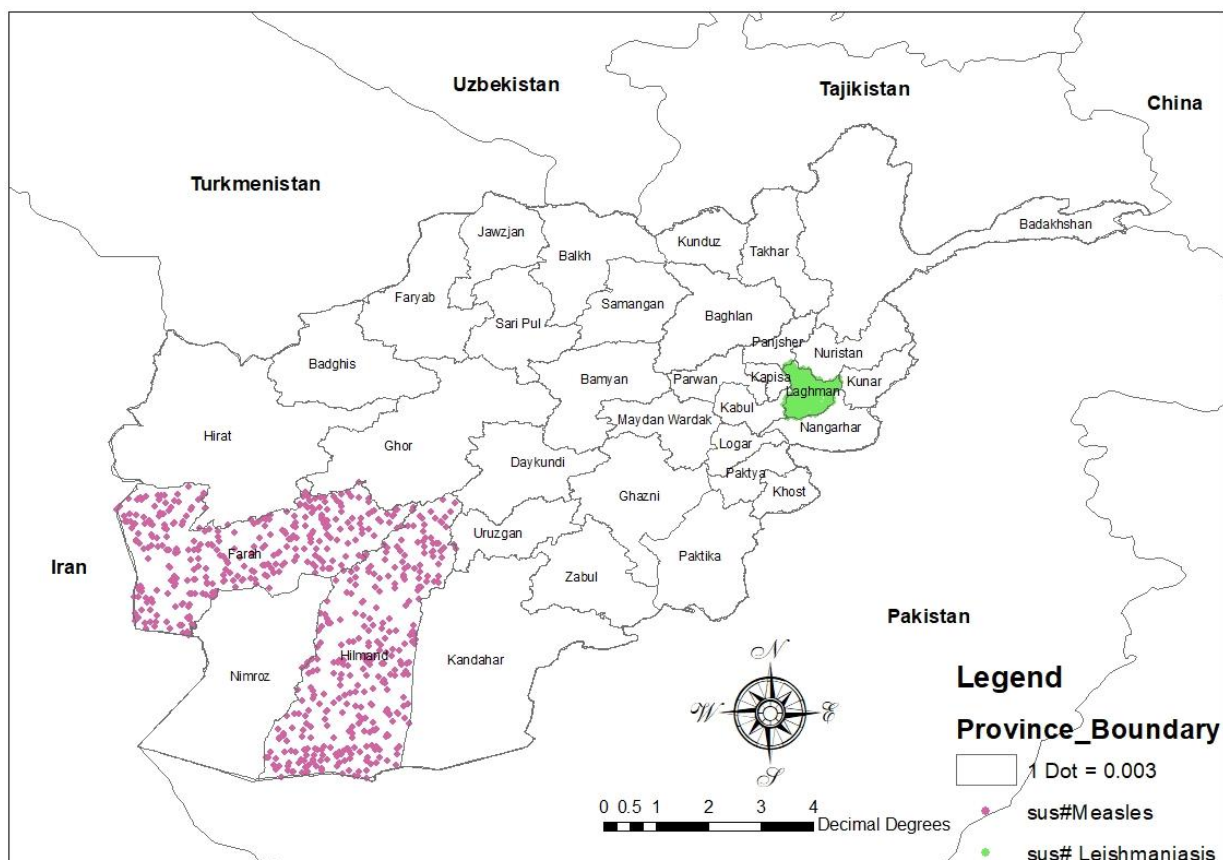


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 22 Feb 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	10	2	157	1
Chickenpox	4	0	64	0
Dog bites/Suspected Rabies	4	0	53	0
CCHF	4	0	4	1
Pertussis	4	0	20	0
Scabies	3	0	206	0
Pneumonia	2	0	208	46
Acute Viral Hepatitis	1	0	10	0
Mumps	1	0	51	0
Acute Bloody diarrhea	1	0	120	0
Leishmaniasis	1	1	12	0
Grand Total	35	3	905	48

Laboratory surveillance:

A total of 229 different specimens/samples were received by CPHL, out of which 07 specimens were positive for COVID-19, 02 specimens were positive for Measles and 152 specimens were negative COVID19 while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

Influenza Surveillance activity In Epidemiological week 9th, 2020, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyān, Baghlan, Nangarhar, and Paktya). Out of all new hospital admission, 393(9.9%) Severe Acute Respiratory Infections cases were reported and 77% of them were among under 5 years old. The proportion of SARI cases were slightly decreased compared to week 8th, 2020. Nine 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 (50%), followed by Kabul (28%), Paktya (16%) and Balkh (13.3 %). In this Epidemiological week, our field staff sent 54 SARI and 37 ILI specimens to the National Influenza Center (NIC).

Surveillance activities on Novel Coronavirus 2019 Surveillance

Still NIC received 161 specimens for suspected COVID-19. Out of which seven samples are confirmed for COVID 19 by rtPCR (5 from Herat province and 2 from Samangan province). The cases have been isolated in the isolation wards and contact tracing have been continuing till 14 days of their last contact with the case.

Surveillance screening team screened all the passengers which returned from China, Iran, Italy and South Korea, still more than 91012 person are screened , all screened passengers have been checked for fever and their contact detail recorded for additional follow up, and health education are conducted for them.

Recommendations:

- Community surveillance for COVID-19 should be strengthened in all public and private health facilities and CHW should also report these cases.
- SARI(Severe Acute Respiratory Infection) surveillance in adults (>18 years) should be started and lab samples from those cases which are not responded with antibiotic during 48 hours should be collected.
- Mobile health teams in big cities should be established for community awareness, lab sampling and fumigation.
- Screening for the passengers coming from China, Iran, Italy and South Korea countries should be strengthened in all international airports and ground crossing borders in Afghanistan.
- Exit screening of passengers from Herat, Nimroz and Farahprovinces should be started
- 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 118 suspected Measles cases and one suspected Diphtheria case, further prevention and control measures should be conducted by EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.