



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-10th

Date: 01 to 07 Mar 2020

Summary:

- Out of 520 functional Surveillance sentinel sites, 495(95.2%) have submitted reports this week.
- A total of 480,321 new consultations, 173,214 (36.1%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 119,138 cases, 24.8% out of total new consultations and Pneumonia, 24,606 cases, 5.1% out of total new consultations, Acute Diarrheal Diseases, 27,829 cases, 5.8% out of total new consultations.
- A total of 264 deaths were reported this week, of which 60 were due to Surveillance targeted diseases, which includes 55 Pneumonia deaths, 02 Pregnancy related deaths, one Meningitis death, one Acute Watery Diarrhea death and one Acute Viral Hepatitis death.
- A total of 06 outbreaks reported this week; of which 02 confirmed COVID 19 outbreaks with 7 cases reported from Herat and Samangan provinces, suspected Scabies outbreaks reported from Laghman and Daikundi provinces, one Pertussis outbreak reported from Kapisa province and one suspected Dog bite/suspected Rabies outbreak reported from Parwan province.

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

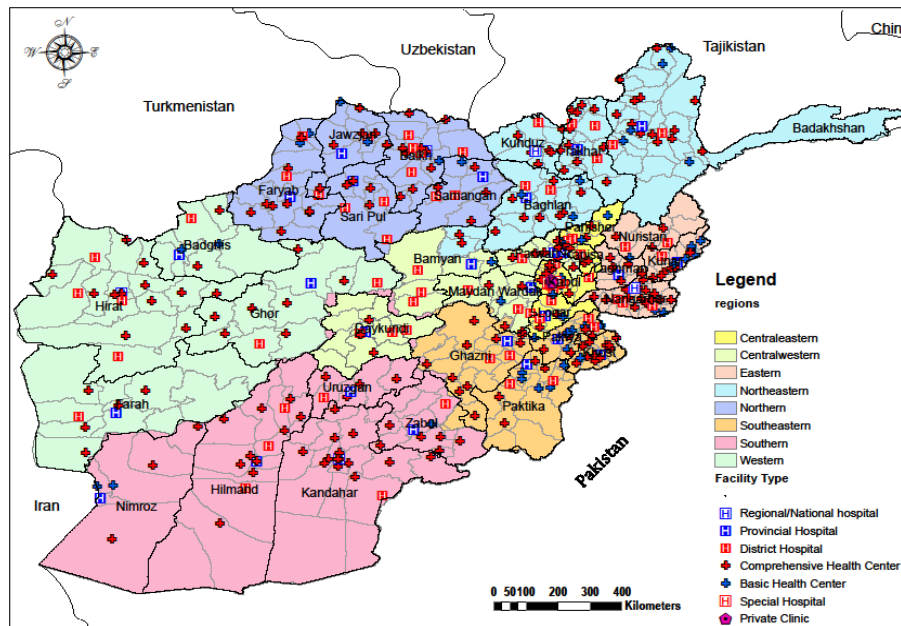


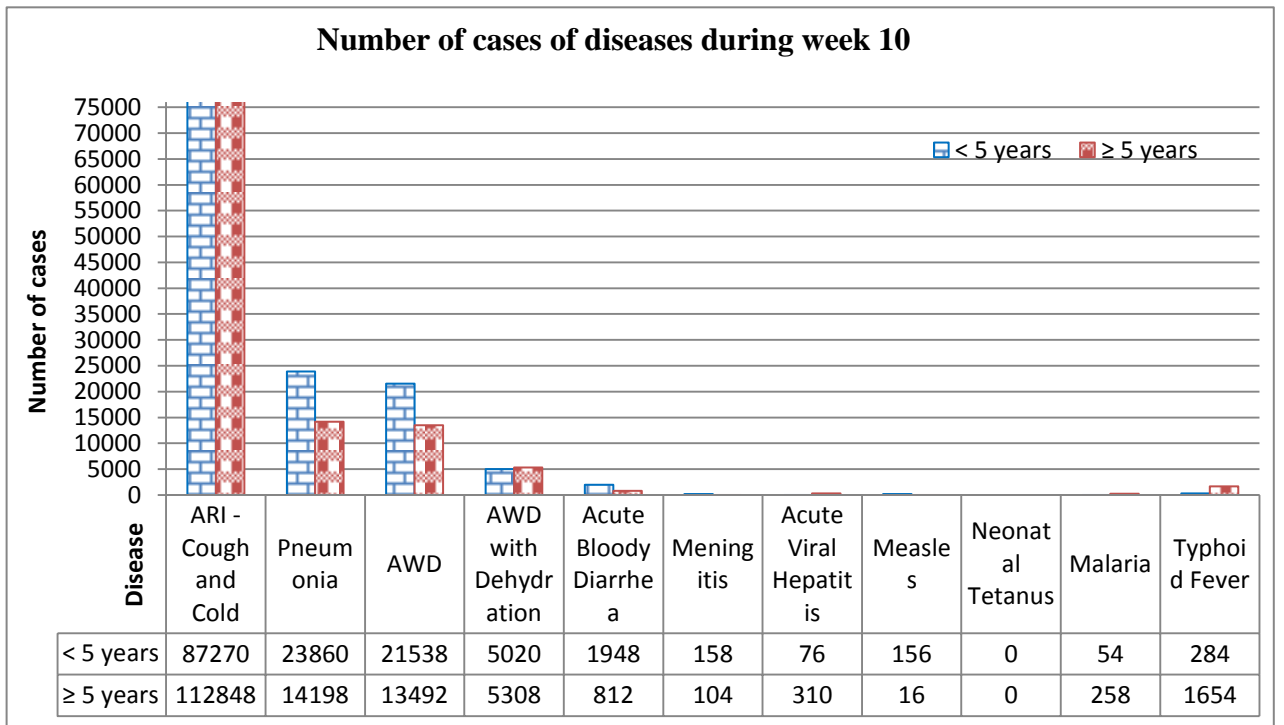
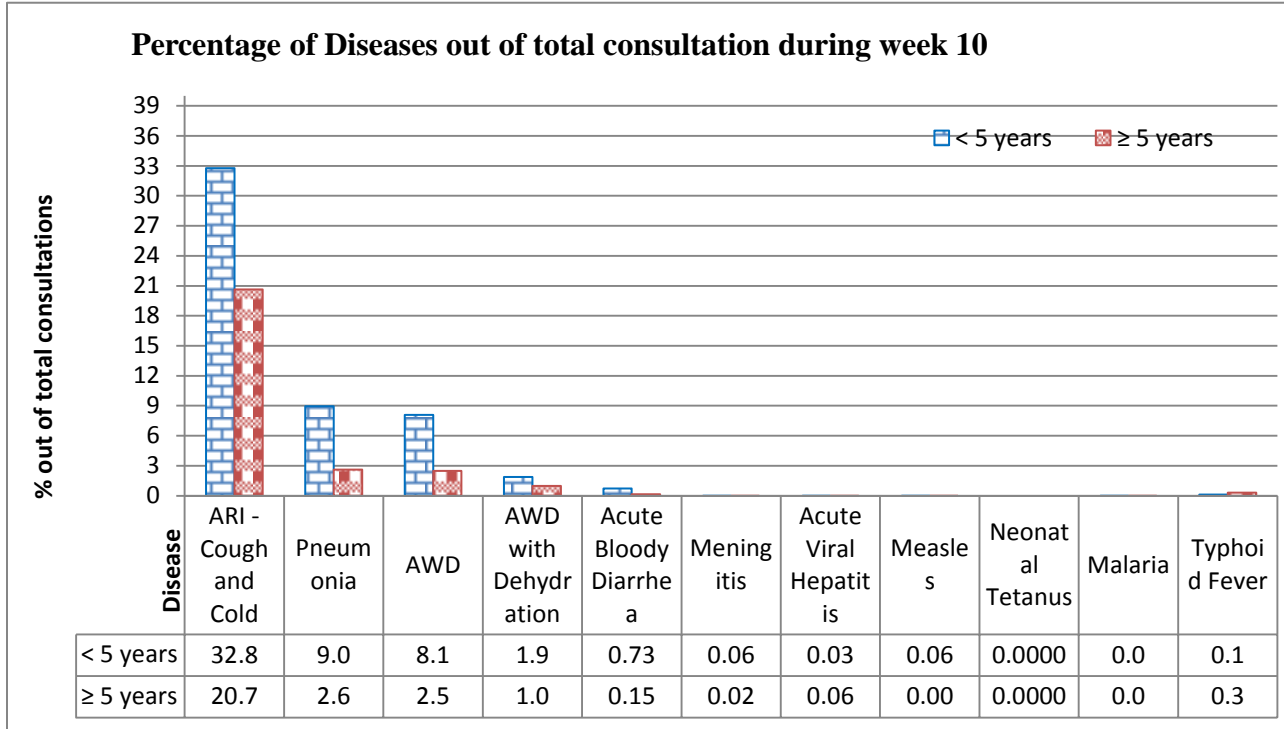
Table 1: Coverage of NDSR Surveillance System

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

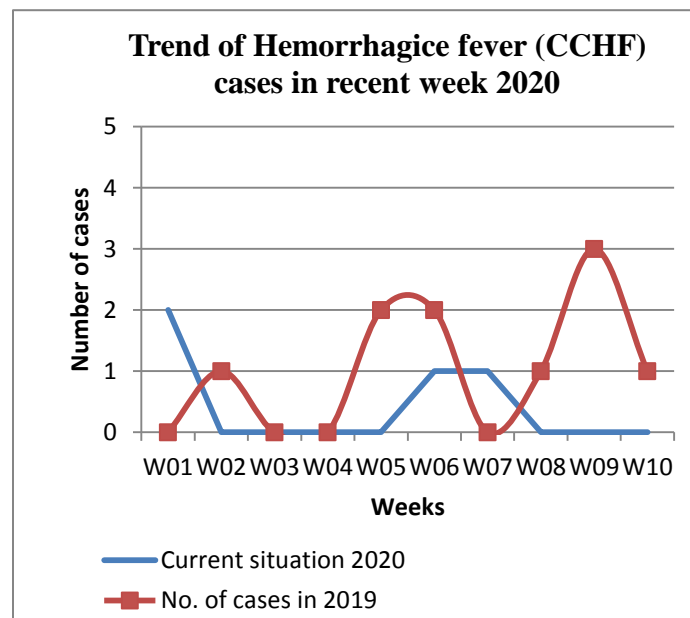
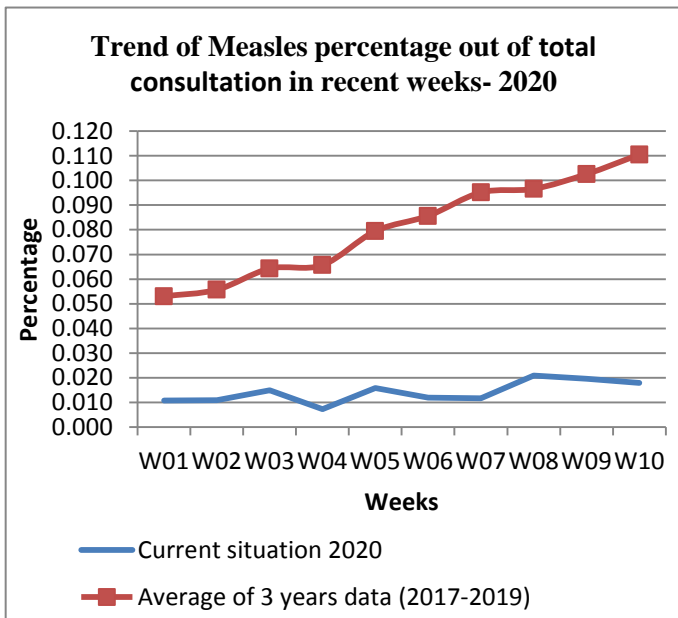
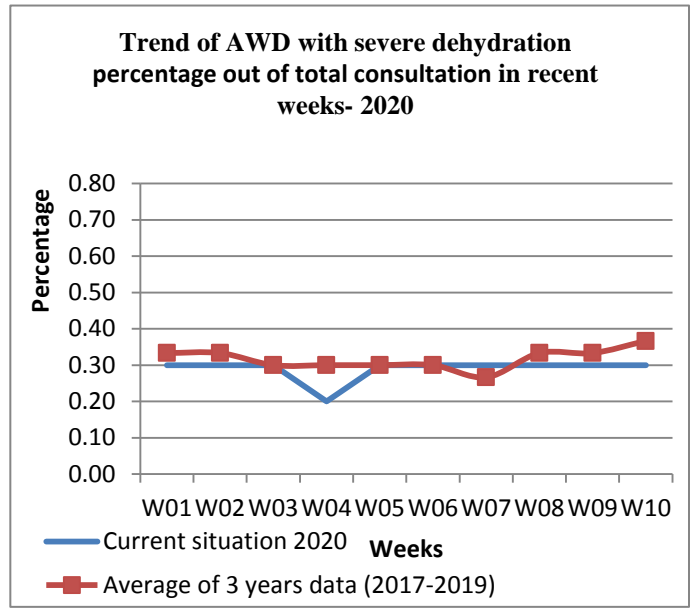
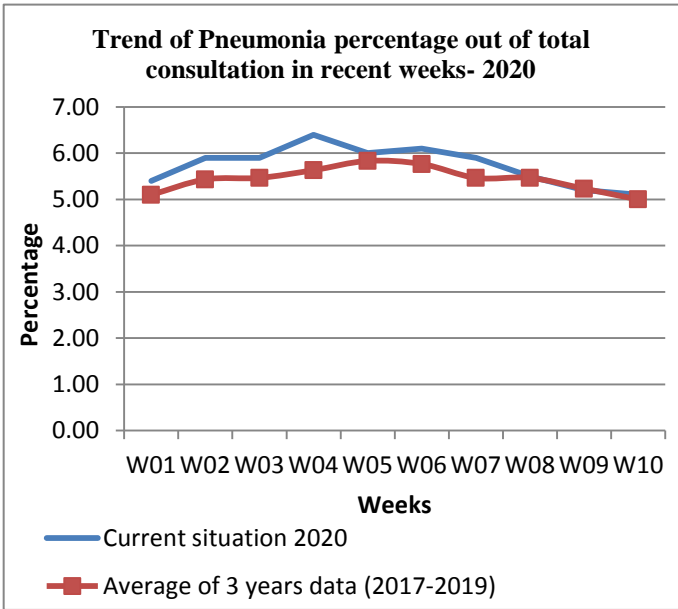


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 10th 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	156	16	172	0	0	0	0.00
Diphtheria	2	0	2	0	0	0	0.00

Seasonal Diseases:



During week 10th total of 06 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Confirmed COVID-19 Outbreaks							
Reported date	Province	Travel history	Isolation wards	Confirmed cases	Total deaths	Number of recovered cases	Recommendation/Action take

22 Feb 2020	Herat	IR of Iran	Herat regional Hospital	5	0	0	Total 07 confirmed COVID-19 cases were reported from Herat and Samangan provinces the cases are isolated in the isolation wards of Herat regional hospital and Aibak Provincial Hospital, case management is underway for all the cases, and contact tracing is also started
06 Mar 2020	Samangan	IR of Iran	Aibak provincial Hospital	2	0	0	

Suspected Scabies Outbreak

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
23 Feb 2020	Daikundi	Neli	Central prison of Daikundi	16	0	In this week 02 suspected Scabies outbreaks were reported from Daikundi and Laghman provinces, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well.
2 March 2020	Laghman	Mehtarlam	Pahlawan baba	18	0	

Suspected Pertussis Outbreak

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
2 March 2020	Kapisa	Hesawal kohistan	Nomaz jai	0	12	12	0	NA	NA	In this week 01 suspected Pertussis outbreak was reported from Kapisa province. 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.

Figure 3: Outbreaks investigated during the week 10th, 2020

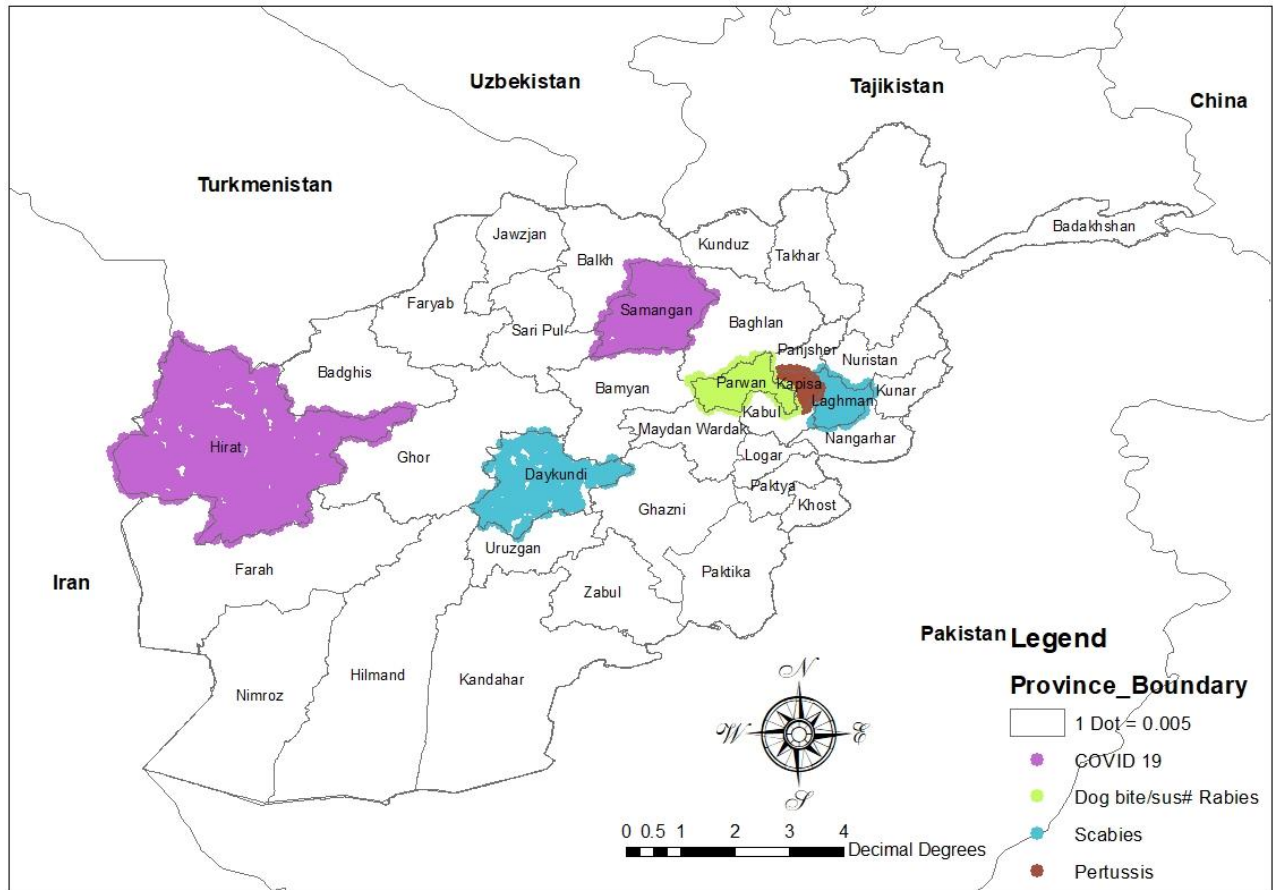


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 07 March 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Measles	10	2	157	1
Dog bites/Suspected Rabies	5	0	58	0
Pertussis	5	0	32	0
Scabies	5	0	240	0
CCHF	4	0	4	1
Chickenpox	4	0	64	0
Pneumonia	2	0	208	46
COVID 19	2	2	7	0
Mumps	1	0	51	0
Acute Bloody diarrhea	1	0	120	0
Acute Viral Hepatitis	1	0	10	0
Leishmaniasis	1	1	12	0
Grand Total	41	5	963	48

Laboratory surveillance:

A total of 190 different specimens/samples were received by CPHL, out of which 04 specimens were positive for COVID-19 while the rest are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiological week 10th, 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, 368(10%) Severe Acute Respiratory Infections cases were reported and 76% of them were among under 5 years old. The proportion of SARI cases was same compared to week 9th, 2020. Three 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 (65%), followed by Bamyan (25.3%) and Kabul (24.6%). In this Epidemiological week, our field staff sent 56 SARI and 36 ILI specimens to the National Influenza Center (NIC)

Surveillance activities on COVID-19 Surveillance

Still NIC received 165 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 cases.

Surveillance screening teams screened all the passengers which returned from China, Iran, Italy and South Korea, still more than 91012 people 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, passengers with signs and symptoms should be isolated in the selected hospitals and passengers without signs and symptoms should be home quarantined
- Exit screening of passengers from Herat, Nimroz and Farah provinces 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 172 suspected Measles cases, 12 suspected Pertussis cases and two suspected Diphtheria cases, 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.