

Summary:

- Out of 513 functional Surveillance sentinel sites, 487(95%) have submitted reports this week.
- A total of 431,794 new consultations, 158,035 (36.6%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 87,170 cases, 20.2% out of total new consultations, Pneumonia, 13,727 cases, 3.2% out of total new consultations and Acute Diarrheal Diseases, 54,526 cases, 12.6% out of total new consultations.
- A total of 226 deaths were reported this week, of which 49 were due to Surveillance targeted diseases, which includes 27 Pneumonia deaths, 06 Acute Diarrheal Disease deaths, 06 Meningitis deaths, 06 Pregnancy related deaths, 02 Acute Viral Hepatitis deaths and 02 Hemorrhagic fever deaths.
- A total of 14 outbreaks reported this week; of which 13 CCHF cases reported from Kabul, Herat, Balkh, Faryab and Helmand provinces, 01 suspected Measles outbreak reported from Nangarhar province and 141 COVID-19 confirmed cases reported from different provinces.

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

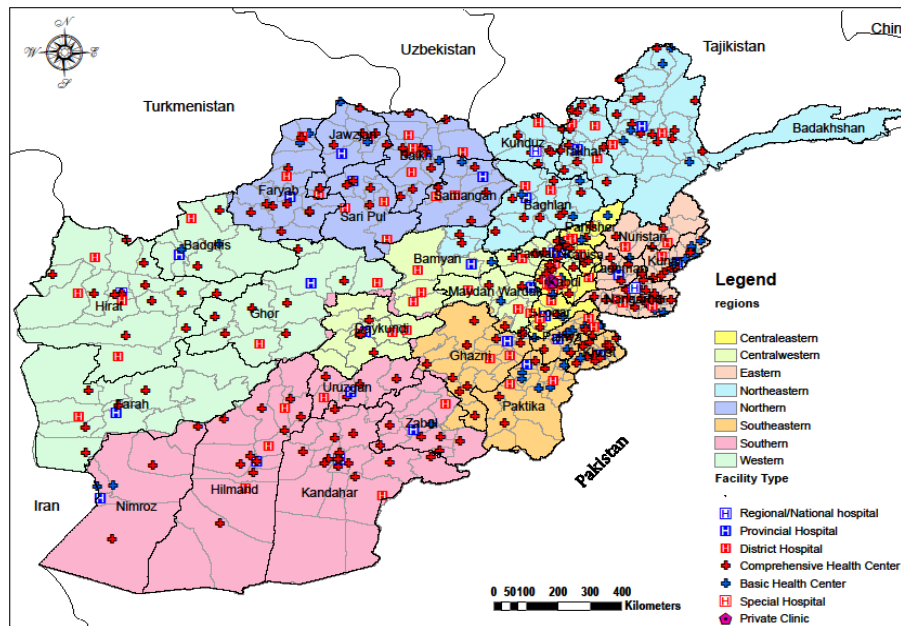


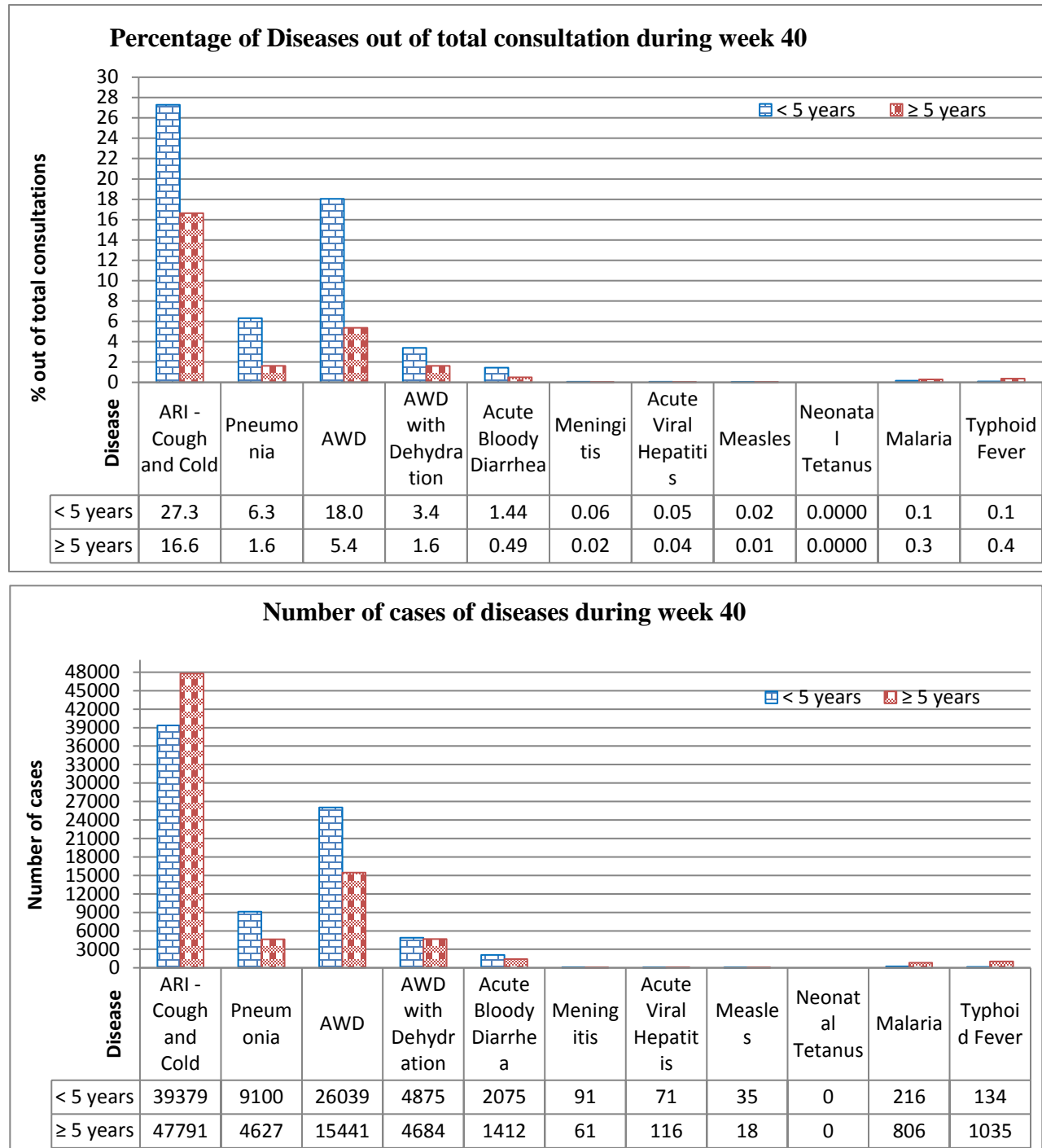
Table 1: Coverage of NDSR Surveillance System

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	389	12	3	513

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

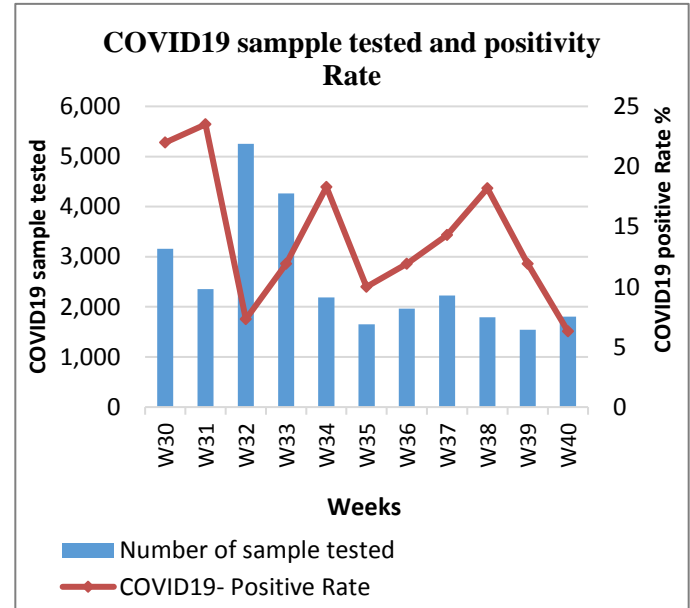
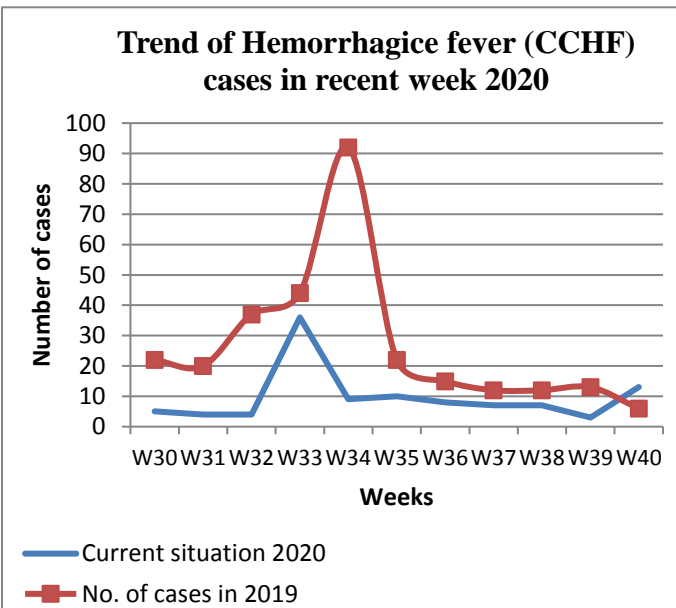
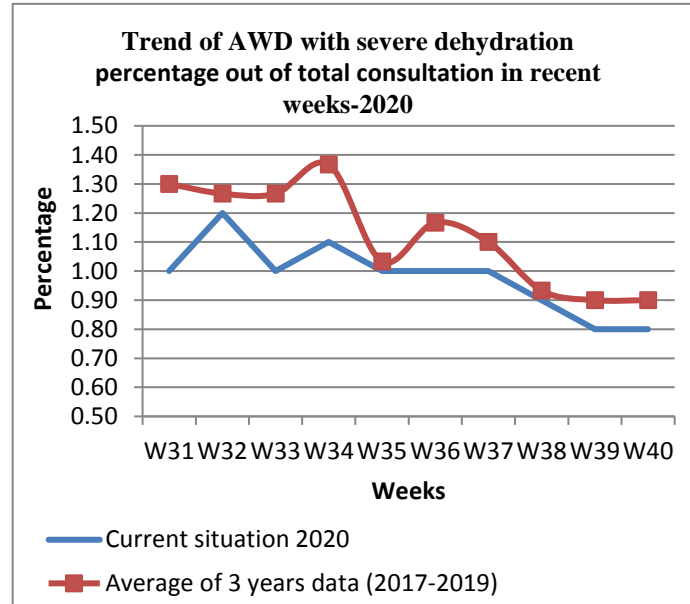
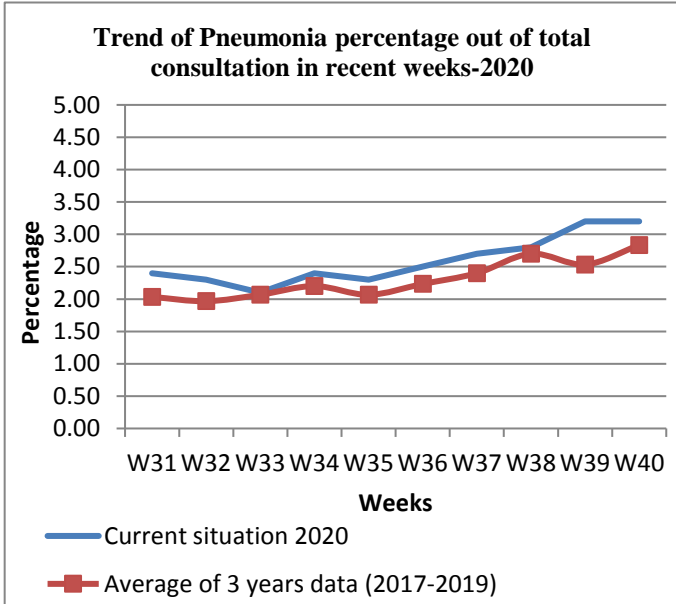


Vaccine-Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 40th 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	35	18	53	0	0	0	0.0
Tetanus	0	2	2	0	0	0	0.0

Seasonal Diseases:



During week 40th total of (14) outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below

Suspected CCHF Outbreaks										
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take		
24 Sep 2020	Balkh	Mazar-e-sharif	Aqcha	1	0	35	Daily wage worker	<p>During this week 13 suspected CCHF cases were reported from Kabul, Herat, Balkh, Faryab and Helmand provinces, the cases had probable contact with animals or the tissues of the animal, case management was done for all the cases and health education sessions were conducted.</p> <p>Two deaths were reported from CCHF in this week</p> <p>The cases fatality rate in this week was 15.4%</p>		
26 Sep 2020	Kabul	District 12	Arzan Qemat	1	0	50	Butcher			
01 Oct 2020	Kabul	District 12	Barchi	1	0	50	Other			
03 Oct 2020	Kabul	District 11	Khair khana	1	0	19	Student			
04 Oct 2020	Balkh	Mazar-e-sharif	Mazar-e-sharif	1	0	32	Daily wage worker			
02 Oct 2020	Kabul	District 06	Arzan qemat	1	0	16	Other			
02 Oct 2020	Kabul	Deh sabz	Bagrami	1	0	40	Daily wage worker			
02 Oct 2020	Faryab	Maimana	Khawaja sabz posh	1	0	35	Other			
29 Sep 2020	Helmand	Lashkargah	Boost Qala	1	1	17	Student			
29 Sep 2020	Helmand	Washir	Seyapeshta	1	0	15	Housewife			
27 Sep 2020	Faryab	Kohistan	Guzari	1	0	35	Farmer			
27 Sep 2020	Herat	Area-6	Pul Rangina	1	0	30	Cooker			
01 Oct 2020	Herat	Area-12	Emamfakhr	1	1	22	Student			

Suspected Measles / Outbreaks										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Total deaths	coverage %	Vaccination	Recommendation/Action take
27 Sep 2020	Nangarhar	Khiwa	Shitlaw	5	5	10	0	50 %	148	<p>In this week One Measles outbreak was reported from Nangarhar province. The cases 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.</p>

Figure 3: Outbreaks investigated during the week 40th, 2020

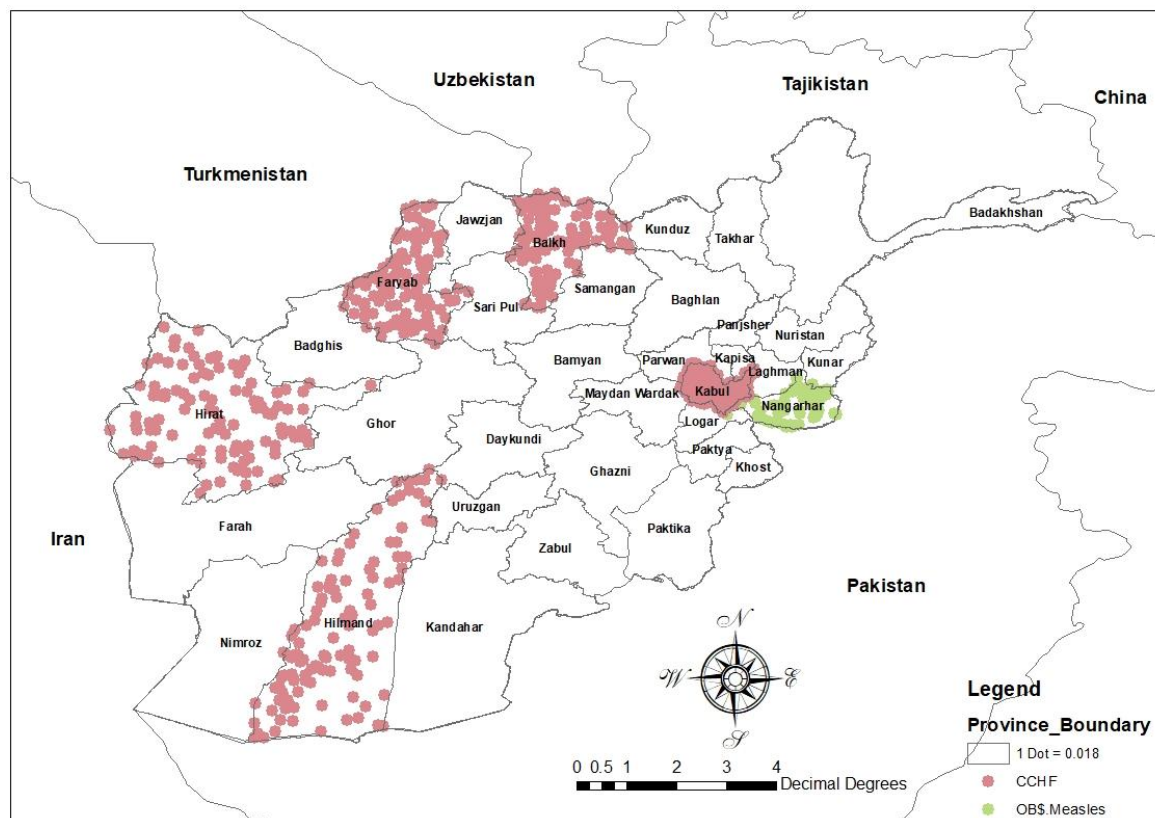


Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 06 Oct 2020)

Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
CCHF	168	10	170	14
Measles	26	2	300	3
Scabies	8	0	348	0
Pertussis	7	0	42	0
Chickenpox	7	0	137	0
Dog bites/Suspected Rabies	5	0	58	0
Pneumonia	2	0	208	46
Acute Bloody diarrhea	1	0	120	0
Leishmaniasis	1	1	12	0
Acute Viral Hepatitis	1	0	10	0
COVID 19	1	1	39548	1469
Mumps	1	0	51	0
Fly Bite	1	0	27	0
Food poisoning	1	0	24	0
Total	230	14	41055	1532

Laboratory surveillance:

A total of 1,841 specimens were collected and shipped to CPHL. Out of which 114 specimens were confirmed for COVID 19 and 03 specimens were confirmed for CCHF.

Influenza Surveillance activities:

In Epidemiological week 40th, 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, 149 (5.3%) Severe Acute Respiratory Infections cases were reported and 67% of them were among under 5 years old. The proportion of SARI cases was increased as compared to week 39th, 2020. Two SARI associated deaths reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (23%), Kapisa (21%) and Bamyan (19%). In this Epidemiological week, our field staff sent 23 SARI and 17 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week 1,802 specimens were tested for suspected COVID-19. Out of which 114 samples were confirmed for COVID 19 by rtPCR. The cases have been managed either in the isolation wards or in home quarantine,

Out of 408 contacts of 114 positive cases which were mostly family members with an average of 3.6 contacts per case, 82 Contacts were included in contact tracing process. And will be continued till 14 days of their last contact with the cases.

Also surveillance screening teams screened all the passengers in the points of entry for fever, and health education was conducted for them, about 193,703 passengers have been screened for COVID-19 in the point of entry of nine provinces (Kabul, Herat, Paktika, Balkh, Farah, Nimroz, Kandahar, Nangarhar and Kunduz provinces).

Challenges:

- In this week some provinces (Herat, Daikundi, Bamyan, Farah and Badakhshan) have the highest case positivity rate for COVID-19 compared to other provinces
- Shortage of Lab consumable for conducting rtPCR for COVID-19 cases in public labs
- Under-reporting of COVID-19 clinical cases from public and private HFs
- Poor follow-up for contacts of the lab confirmed cases for early detection of COVID-19 cases by the BPHS implementer NGOs.
- Duplication of surveillance functions among different departments of MoPH

Recommendations:

- Provinces with high case positivity rate for COVID-19 should strengthen the preventive and control measures
- Before coming the winter enough supply of VTM and other consumable for all provinces/public labs for conducting rtPCR tests should be provided
- COVID-19 clinical cases reporting should be strengthened in all public and private health facilities and CHW should also report the clinical cases
- Contact tracing for all contacts of the lab confirmed cases should be strengthening by the BPHS implementer NGOs
- All surveillance functions should be integrated under one umbrella

- **EPI:** As the surveillance system detected 53 suspected Measles cases and 02 Tetanus 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.