



National Disease Surveillance
& Response (NDSR)

Weekly Epidemiological Report-04th

Date: 19 to 25 Jan 2020

Summary:

- Out of 530 functional Surveillance sentinel sites, 495(93.4%) have submitted reports this week.
- A total of 498,887 new consultations, 189,354(38%) were due to Surveillance targeted diseases.
- The main causes of consultations this week were ARI (Cough & Cold), 133,017 cases, 26.7% out of total new consultations and Pneumonia, 31,860 cases, 6.4% out of total new consultations, Acute Diarrheal Diseases, 23,051 cases, 4.7% out of total new consultations.
- A total of 283 deaths were reported this week, of which 68 were due to Surveillance targeted diseases, which includes 56 Pneumonia deaths, 05 Meningitis deaths, 05 Pregnancy-related deaths reported from Mazar Sharif, Sharan, Gormoch, Fatema ul Zahra and Geeti hospitals/sentinel sites, one Acute Viral Hepatitis death and one Neonatal tetanus death.
- A total of 02 suspected Chickenpox outbreaks reported this week from Khost and Baghlan provinces.

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

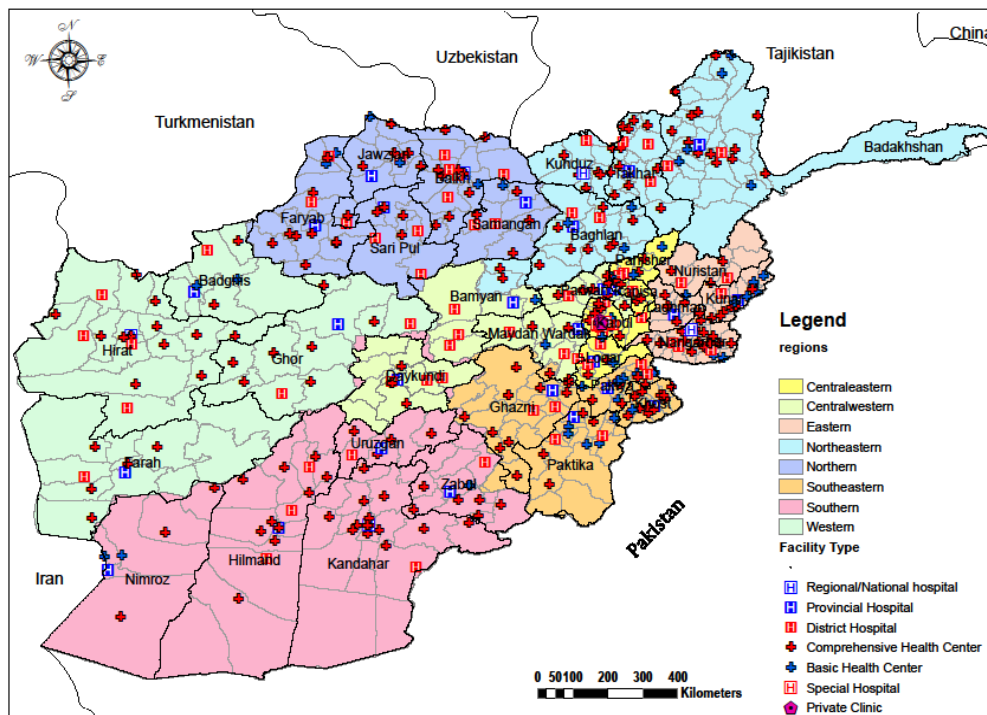


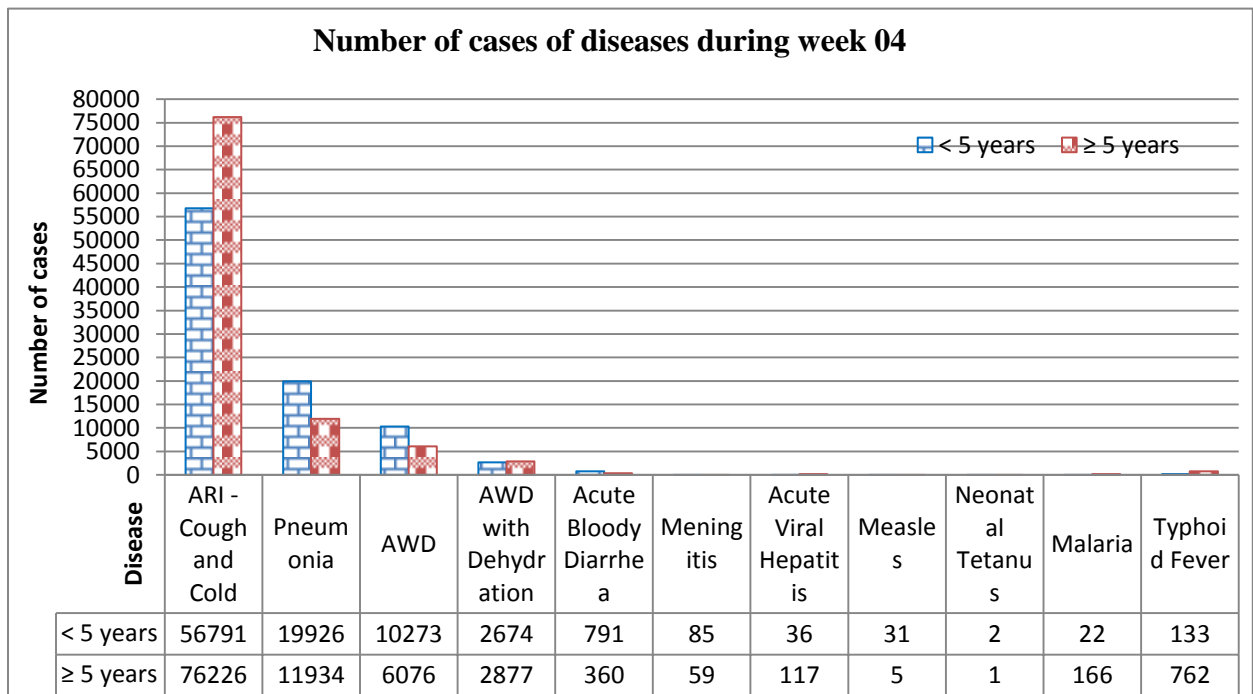
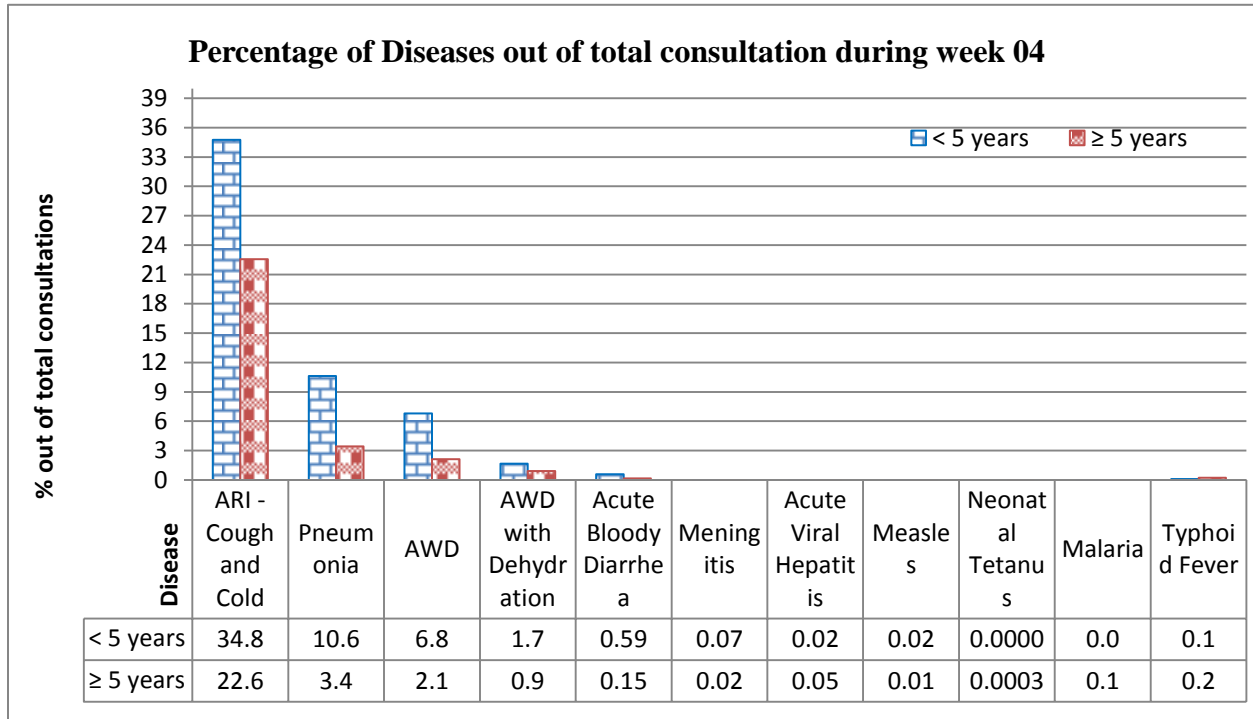
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Sub center	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1075	1171	3,718
HF covered by NDSR-Plus	32	77	387	12	19	3	530

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 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.

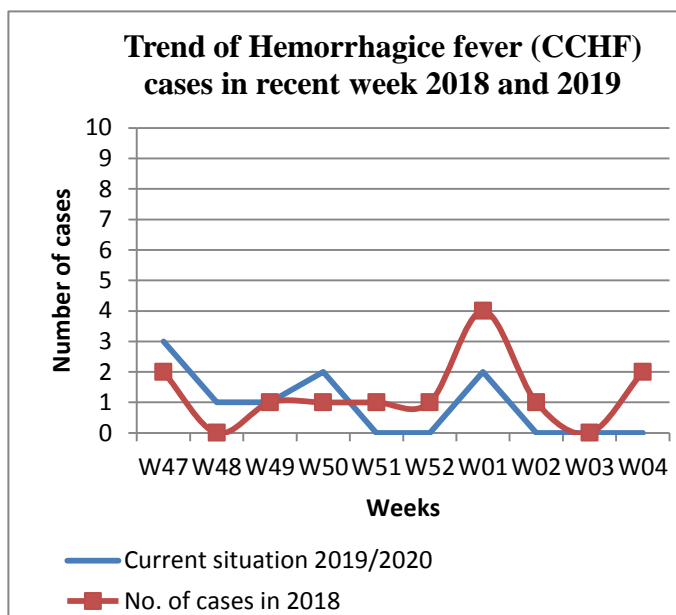
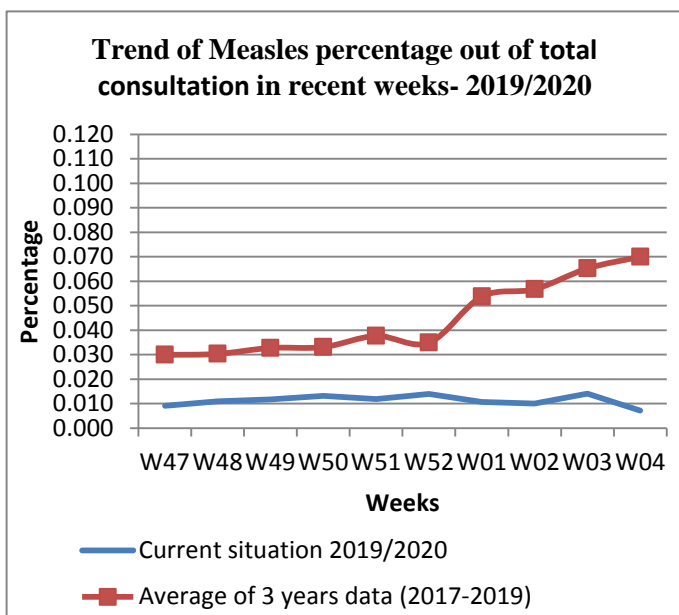
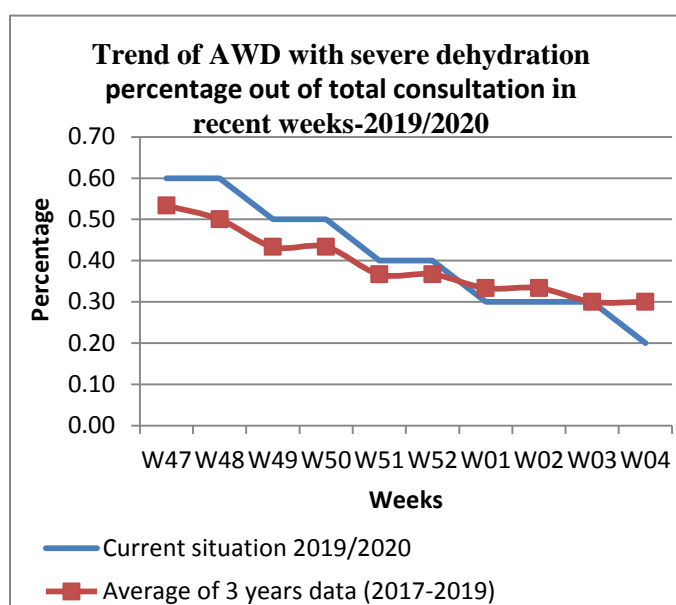
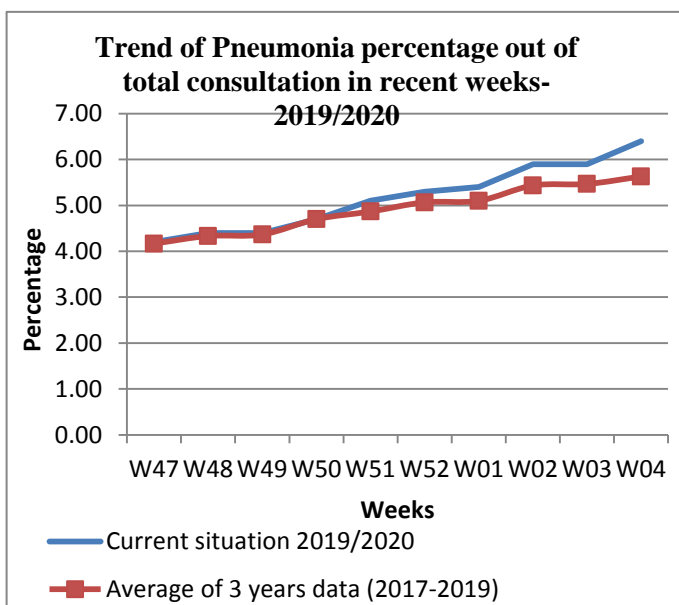
Figure 2: NDSR targeted diseases



Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 04th 2020

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	31	5	36	0	0	0	0.00
Neonatal tetanus	2	0	2	1	0	1	33.33
Tetanus	0	1	1	0	0	0	0.00

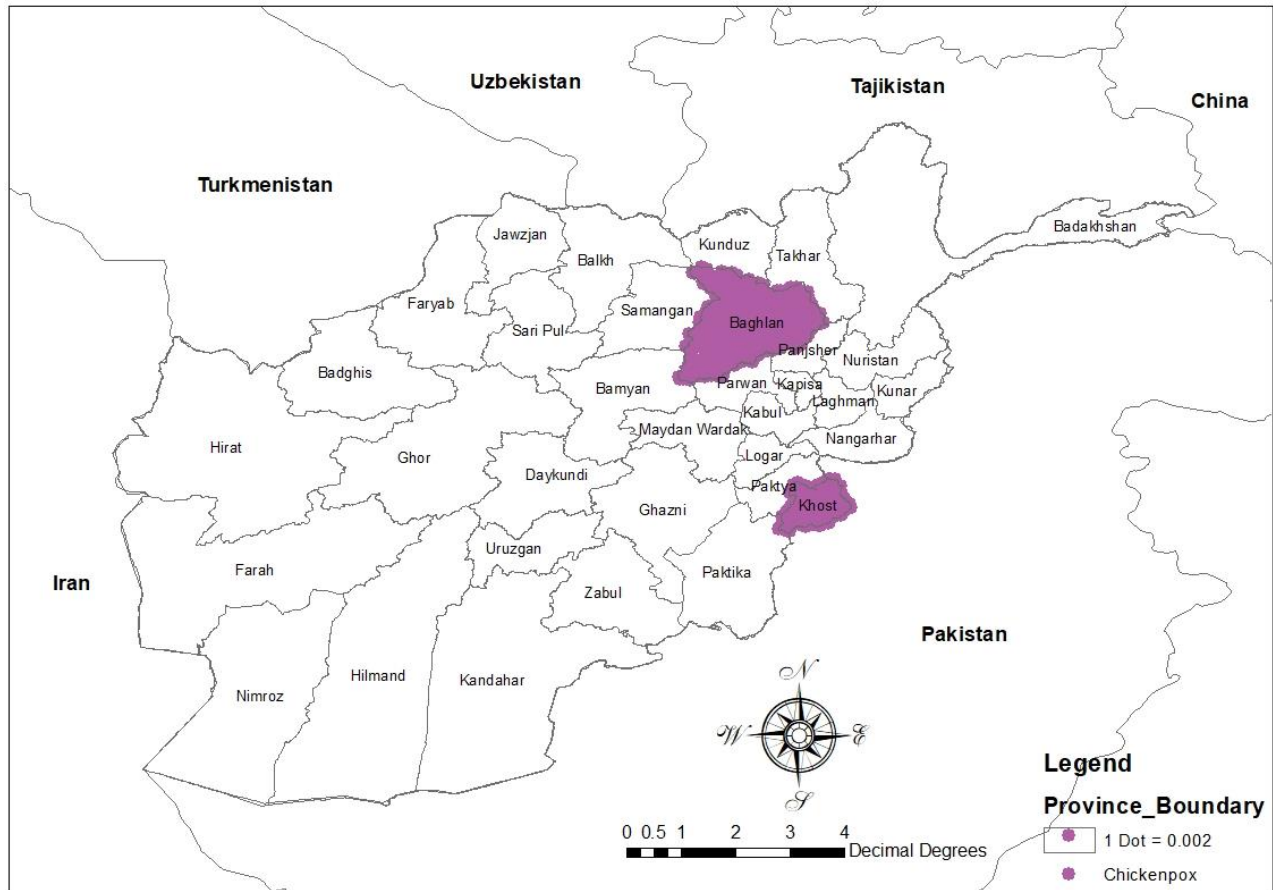


Seasonal Diseases:

During week 04th total of 02 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

suspected Chickenpox Outbreaks						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
17-Jan-2020	Khost	Matoon	Darash	11	0	In this week 02 suspected Chickenpox outbreaks reported form Khost and Baghlan provinces, the outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted as well.
15-Jan-2020	Baghlan	Deh salah	Dezak	25	0	

Figure 3: Outbreaks investigated during the week 04th, 2020



Disease/Event	No. of outbreaks	No. of Lab confirmed outbreaks	No. of cases	No. of Deaths
Scabies	3	0	206	0
Pertussis	3	0	7	0
Chickenpox	3	0	42	0
Dog bites/Suspected Rabies	2	0	32	0
CCHF	2	0	2	0
Measles	2	0	11	0
Grand Total	15	0	300	0

Table 2: Updates on the outbreaks reported during 2020 (29 Dec 2019 to 25 Jan 2020)

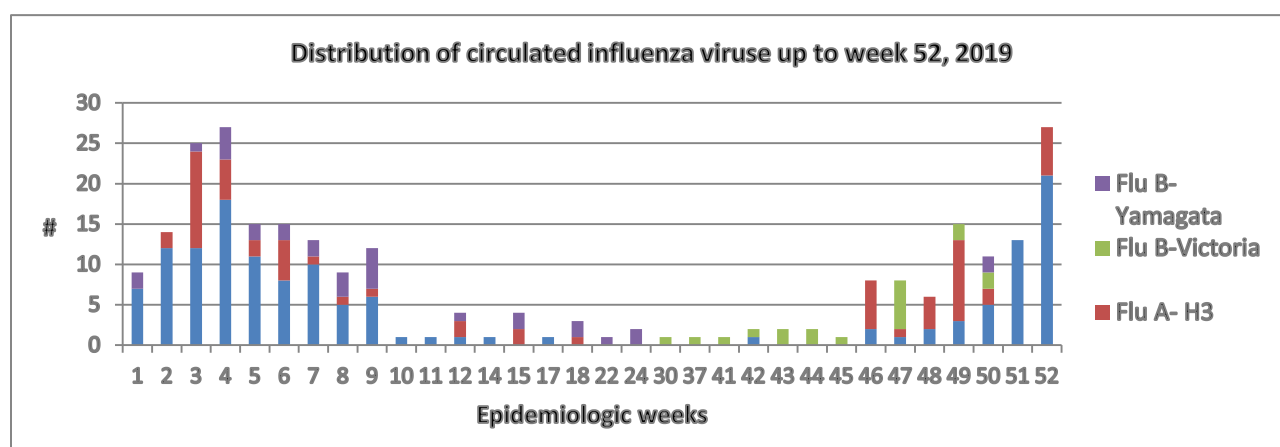
Laboratory surveillance:

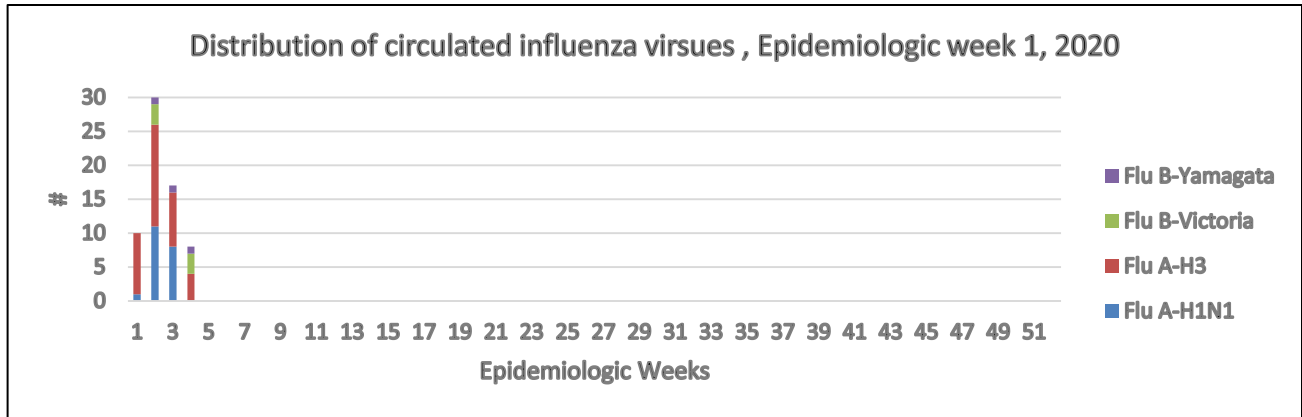
In this week a total of 125 different specimens/samples were received by CPHL, all specimens are under process. (Follow up by the CPHL is going on).

Influenza Surveillance activity

In Epidemiological week 4th, 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, **354(9%)** Severe Acute Respiratory Infections cases were reported and **66%** of them were among under 5 years old. The proportion of SARI cases was decreased as compared to week 3rd, 2020. **Four** 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 (34%)**, followed by Kabul (33%) and Paktia (24%). In this Epidemiological week, our field staff sent 57 SARI and 36 ILI specimens to the National Influenza Center (NIC).

In week 04 , our NIC confirmed 08 influenza seasonal cases including 04 Flu-A H3 , 01 Flu-B Yamagata and 03 Flu-B Victoria .





Preparedness on Novel Coronavirus 2019:

Following surveillance activities have been taken to prevent and control of nCOV 2019 in the country :

1. The case definition for nCOV 2019 was translated on local language, shared with health care workers and surveillance officers
2. In all international airports and ground crossing borders, screening for passengers coming from China has been started
3. National and international media are screened regularly
4. The update of nCOV 2019 data at the global level is compiled and regularly shared with MOPH leadership and other stakeholders

Recommendations:

- Screening for passengers coming from China should be strengthened In all international airports and ground crossing borders in Afghanistan.
- The big proportion of cases and deaths due to ARI-Pneumonia/SARI is still the cause of concern.
- **EPI:** As the system detected 36 suspected Measles, 02 suspected Neonatal Tetanus, and 01 Tetanus cases, further prevention, and control measures should be conducted by EPI team.
- **RH:** 05 Pregnancy-related deaths were reported from Mazar Sharif, Sharan, Gormoch, Fatema ul Zahra and Geeti hospitals/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.