

Summary:

- Out of **613** functional Surveillance sentinel sites, **594 (96.9%)** have submitted reports this week.
- A total of **657,338** new consultations, **288,219 (43.8%)** were due to Surveillance targeted diseases. That included **152,854 (53%)** males and **135,365 (47%)** females. Also, **133,106 (46.2%)** under five years old and **155,113 (53.8%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **197,588 (30.1%)** cases out of total new consultations, Acute Diarrheal Diseases **35,707 (5.4%)** cases out of total new consultations, and Pneumonia **49,475 (7.5%)** cases out of total new consultations.
- A total of **255** deaths were reported this week, of which **87 (34.1%)** deaths were due to Surveillance targeted diseases, which include **78** Pneumonia deaths, **03** COVID-19 deaths, **03** suspected **Measles** deaths, **02** Suspected Meningitis/ Severely Ill Child deaths, and **01** Pregnancy-related death.
- In addition, during this week **11 outbreaks** were reported (**04 Suspected Pertussis** outbreaks were reported from **Kapisa, Ghor, Urozgan and Zabul** Provinces, **04 Suspected Pneumonia** outbreaks were reported from **Paktika, Kunar and Badakhshan** provinces, **02 Suspected Chickenpox** outbreaks were reported from **Herat and Urozgan** Provinces, **01 Suspected Scabies** outbreak was reported from **Urozgan** province).
- Moreover, **194** COVID-19 confirmed cases and **588** suspected **Measles** cases reported at national level.

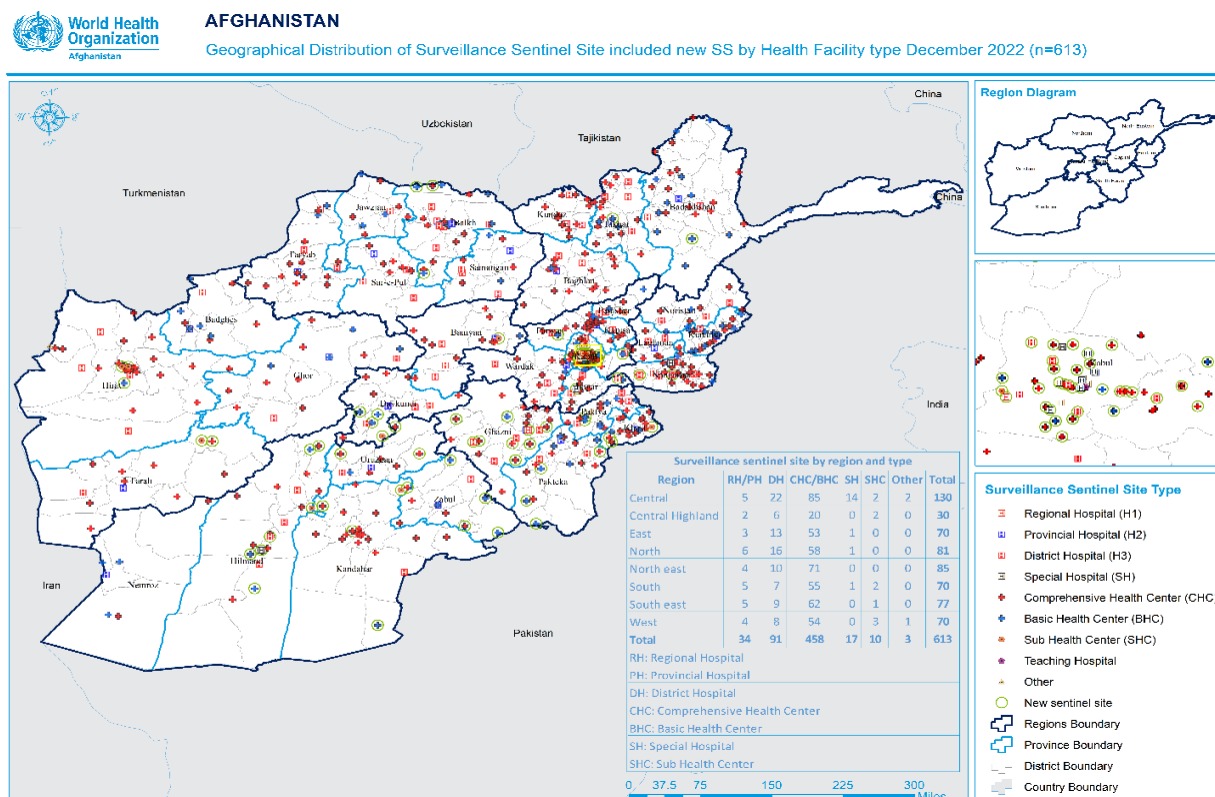
Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2023

Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ Special Hospital	SHC	Other	Total
Total Health Facilities (HF)	8	27	91	437	900	36	1,106	2,093	4,698
HF covered by NDSR-Plus	8	26	90	348	111	17	10	3	613

Indicator – based Surveillance (IBS):

The indicator-based surveillance component of NDSR, report 17 priority conditions/infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and the corresponding weeks 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: A

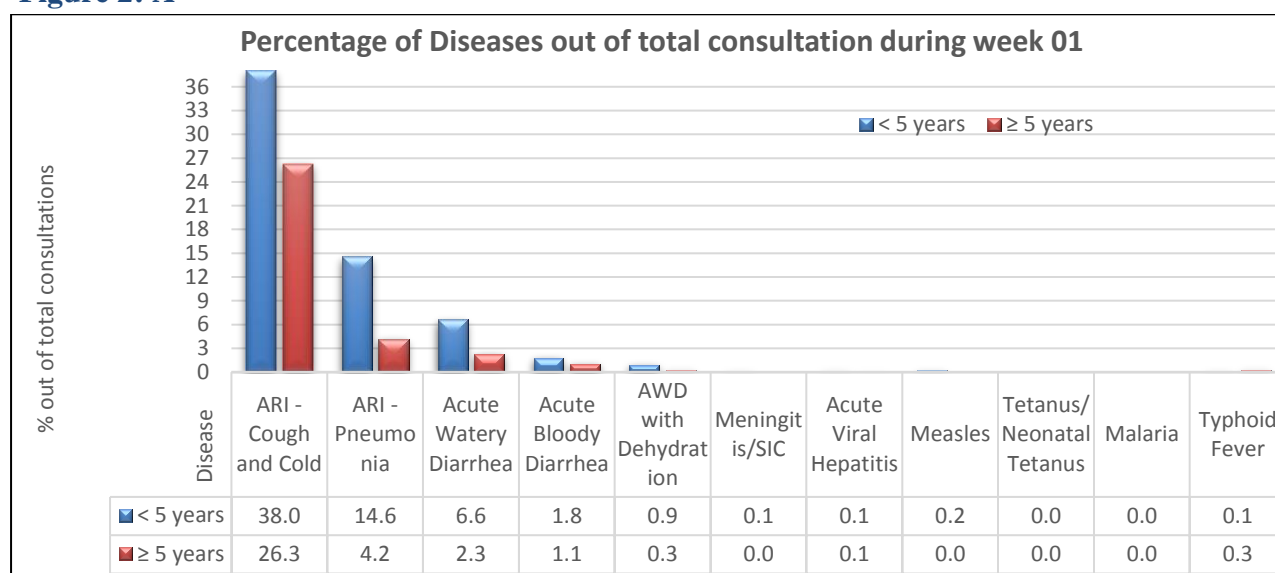


Figure 2: B

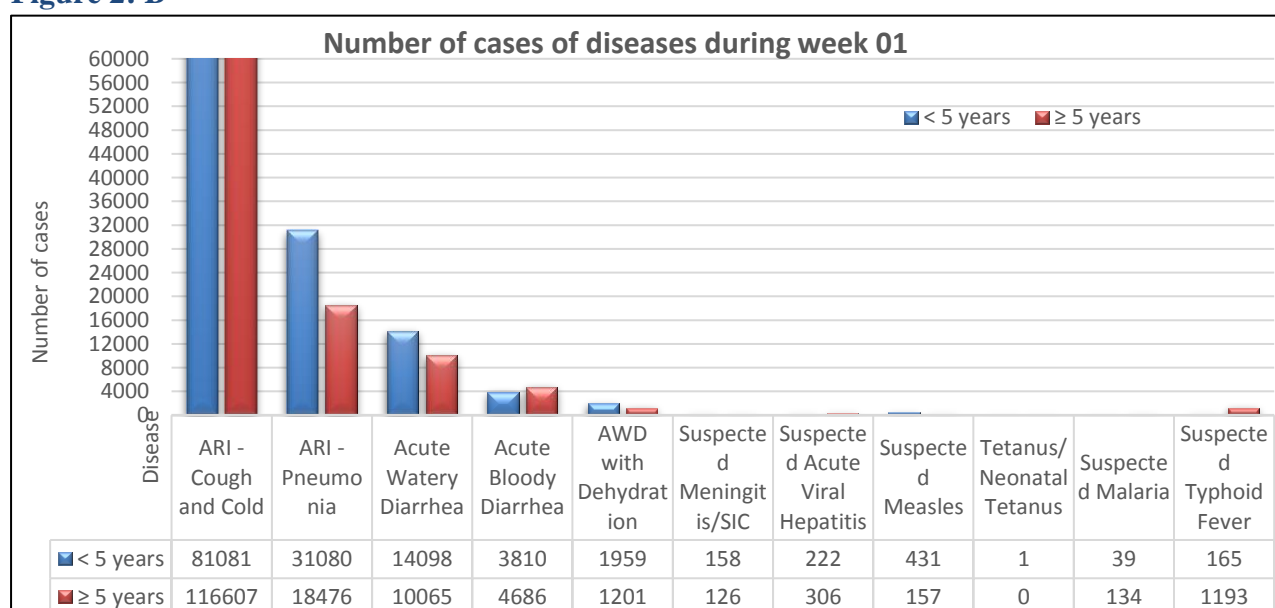


Table 2: Cases and deaths due to VPDs by age group during week 01st 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	431	157	588	3	0	3	0.51
Suspected Pertussis	16	13	29	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

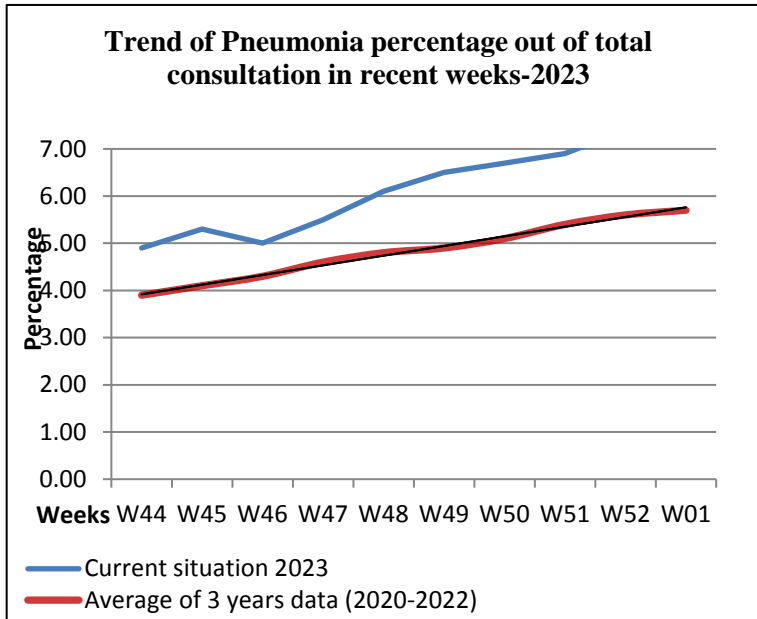


Figure 3: B

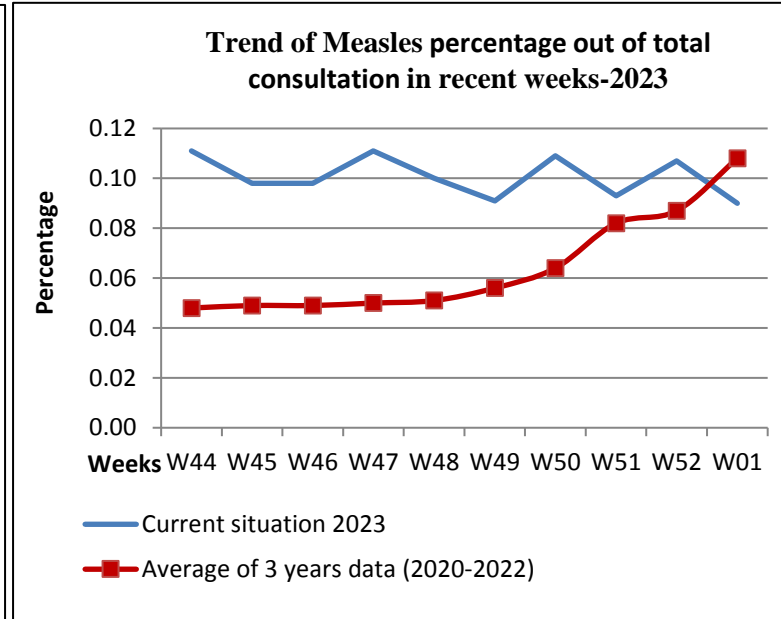


Figure 3: C

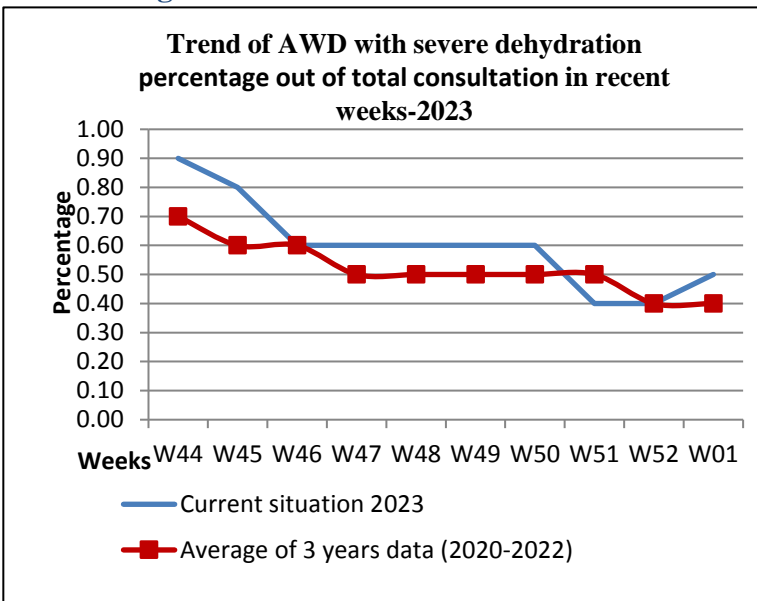


Figure 3: D

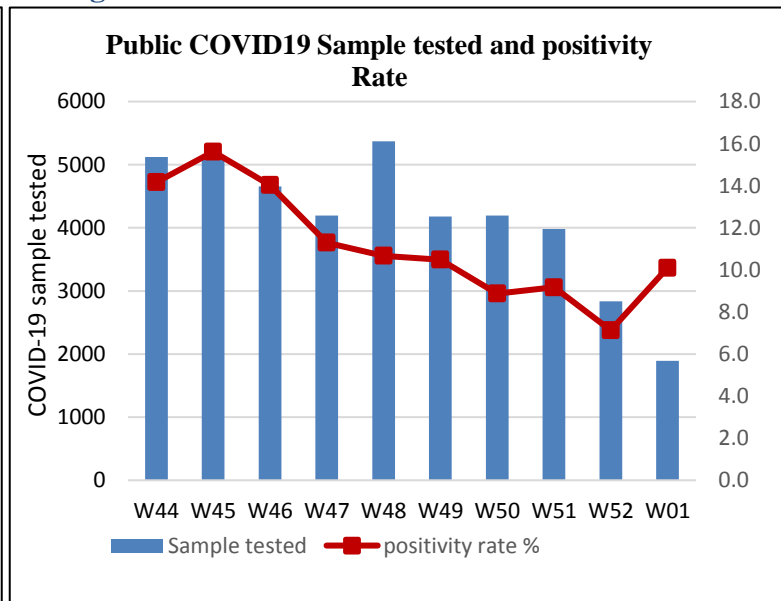


Table 3: Outbreaks in week 01st 2023:

Suspected Pertussis outbreaks from (Kapisa, Ghor, Urozgan and Zabul) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
01/01/2023	Kapisa	Nijrab	Kohyan	4	0	During this week 04 suspected Pertussis outbreaks were reported from Kapisa, Ghor, Urozgan and Zabul provinces, case management was done. Health education session was conducted for all the cases.
01/01/2023	Ghor	Taywara	Kilgo	8	0	
03/01/2023	Urozgan	Tarinkot	Sahibzada	9	0	
01/01/2023	Zabul	shajpoy	sparsang	8	0	

Suspected Pneumonia outbreaks from (Paktika, Kunar and Badakhshan) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
01/01/2023	Paktika	Ziruk	Kesham/Aslam Khan	36	3	During This Week 04 Suspected Pneumonia Outbreaks Were Reported from Paktika, Kunar and Badakhshan Provinces, Case Management Was Done. Health Education Session Was Conducted for All the Cases.
01/01/2023	Kunar	Asadabad Center (Different District)	Khas Kunar CHC (Different Village)	74	0	
03/01/2023		Khas Kunar (Different Village)	Asadabad PH (Different District)	28	0	
01/01/2023	Badakhshan	Sharei Bazarg	Freistak	89	2	

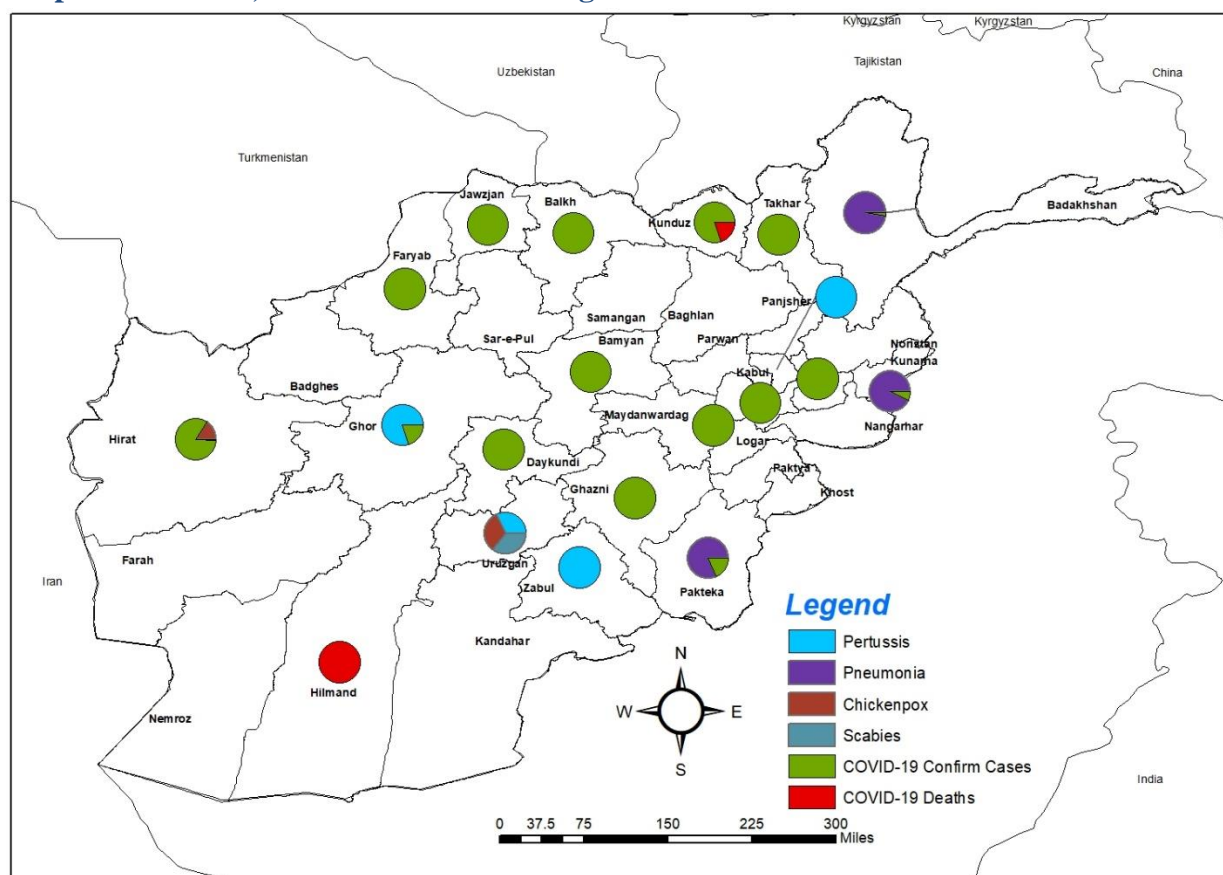
Suspected chickenpox outbreaks from (Herat and Urozgan) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
07/01/2023	Herat	Injil	Robat e kabuliha	14	0	During this week 02 suspected chickenpox outbreaks were reported from Herat and Urozgan provinces, case management was done. Health education sessions were conducted for all the cases.
01/01/2023	Urozgan	Tarinkot	Yakilanga	9	0	

Suspected Scabies outbreak from (Urozgan) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
04/01/2023	Urozgan	Tarinkot	Aborda	10	0	During this week 01 suspected Scabies outbreak was reported from Urozgan province, case management was done. Health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 07 Jan 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	0	0	0	0
CCHF	0	0	0	0
Dog bites/Suspected Rabies	0	0	0	0
Pertussis	4	0	29	0
Acute Watery Diarrhea	0	0	0	0
Food Poisoning	0	0	0	0
Unknown Poisoning	0	0	0	0
Scabies	1	0	10	0
Chickenpox	2	0	23	0
Leishmaniosis	0	0	0	0
Cat bite suspected rabies	0	0	0	0
Mumps	0	0	0	0
Diphtheria	0	0	0	0
Pneumonia	4	0	227	0
Dengue fever	0	0	0	0
Skin disease	0	0	0	0
Anthrax	0	0	0	0
Confirmed Malaria	0	0	0	0
Acute Viral Hepatitis (AVH)	0	0	0	0
COVID-19	1	1	194	3
Grand Total	11	1	483	3

Figure 4: COVID-19, Suspected Pertussis, Suspected Pneumonia, Suspected Chickenpox, Suspected Scabies, cases and deaths during the week 01st 2023



Laboratory surveillance:

A total of **2728** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **194** specimens were confirmed for COVID-19, **13** specimens were confirmed for **Measles**, **06** specimens were confirmed for **Acute Viral Hepatitis** and **04** specimens were confirmed for **Malaria** (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 1st 2023, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 503 (9.7 %) Severe Acute Respiratory Infections cases were reported and 79 % were under 5 years old. The proportion of SARI cases were slightly increased compared to week 52th 2022. 06 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (50 %), Kapisa (47.1 %), and Bamyan (23.2%) provinces. During this Epi-week, our field staff shipped 54 SARI and 36 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **1891** specimens were tested for suspected COVID-19. Out of which **194** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 10.25 % in this week, which increased 3.06% compared to the previous week.
- Out of **194** confirmed cases, **483** contacts of **176** confirmed cases were traced that were mostly family members with an average of 3 contacts per one case, and will be continued until 14 days of their last contact with the confirmed cases. Also, surveillance screening teams screened all the passengers at the points of entry for fever. In addition, health education was conducted for them, about **24,337** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- COVID-19 case positivity rate increased this week
- Measles cases are still a public health concern in the country, this week 588 measles cases were reported to the surveillance system
- ARI pneumonia cases are on the increasing trend compared to last weeks and the same weeks of the previous year (this week there were four ARI Pneumonia outbreaks with 5 deaths at the national level)
- Weak response system to outbreaks at the national level

Recommendations:

- COVID-19 preventive and control measures should be strengthened
- Public awareness regarding ARI pneumonia prevention and control is needed
- Vaccine preventable diseases (especially Measles and Pertussis vaccination and preventive measures) should be strengthened.

- The measles response strategy should be reviewed in order to respond to the current measles epidemic situation
- RRTs establishment at the provincial and national level is needed, to timely investigate and respond the outbreaks
 - **EPI:** As the surveillance system detected **588** suspected Measles cases with 03 death at the national level, so further prevention and control measures should be conducted by the EPI team.
- The findings should be analyzed further at different levels and appropriate actions to be taken by the concerned departments.