

National Disease Surveillance
& Response (NDSR)NDSR Weekly Epidemiological Report 17th

Date: 23– 29 /04/ 2023

Summary:

- Out of **613** functional Surveillance sentinel sites, **595 (97.1%)** have submitted reports this week.
- A total of **544,337** new consultations, of which **212,048 (39%)** were due to Surveillance targeted diseases. That included **111,357 (52.5%)** males and **100,691 (47.5%) females**. Also, **99,849 (47.1%)** under five years old and **112,199 (52.9%)** five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**126,191 = 23.2%** cases out of total new consultations), Acute Diarrheal Diseases (**59,069 = 10.9%** cases out of total new consultations), and Pneumonia (**20,719 = 3.8%** cases out of total new consultations).
- A total of **234** deaths were reported this week, of which **72 (30.8%)** were due to surveillance-targeted diseases, which include **58 pneumonia** deaths, **03 COVID-19** deaths, **04 Suspected Meningitis/Severely Ill Child** deaths, **03 Acute Watery Diarrhea (AWD) with Dehydration** deaths, **02 Acute Bloody Diarrhea** deaths, and **02 Suspected Hemorrhagic fever** deaths.
- In addition, during this week, **08** outbreaks were reported: (**01 CCHF** outbreak was reported from **Kandahar** Province, **02 Suspected Measles** outbreaks were reported from **Laghman and Urozgan** Provinces, **02 Dog bites/ Suspected Rabies** were reported from **Parwan and Takhar** Provinces, **02 Suspected Pertussis** outbreaks were reported from **Paktya** and **01 Clinical Mumps** outbreak was reported from **Paktya**).
- Moreover, **1050** COVID-19 confirmed cases, **647** Suspected **Measles** cases were reported at national level.

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

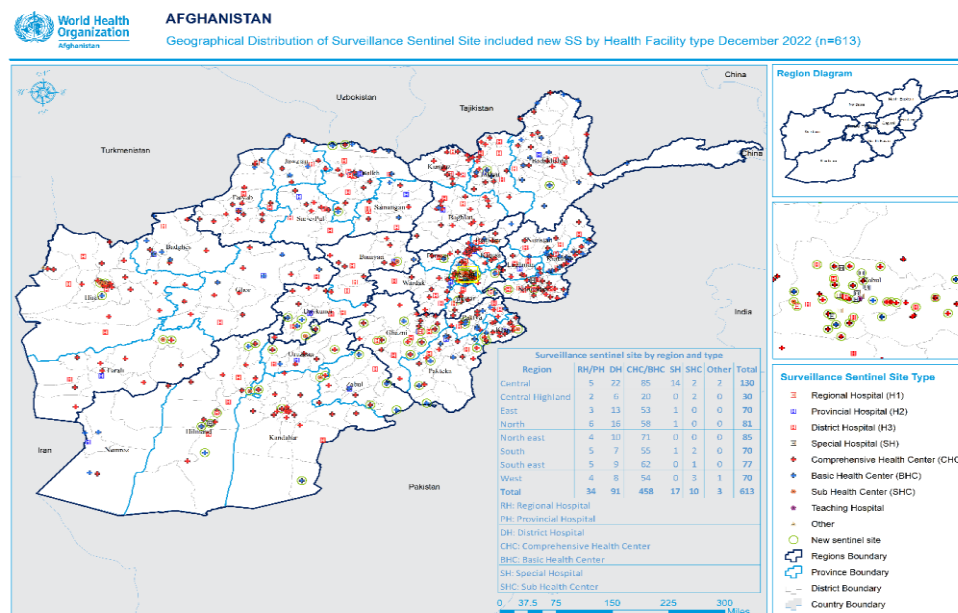
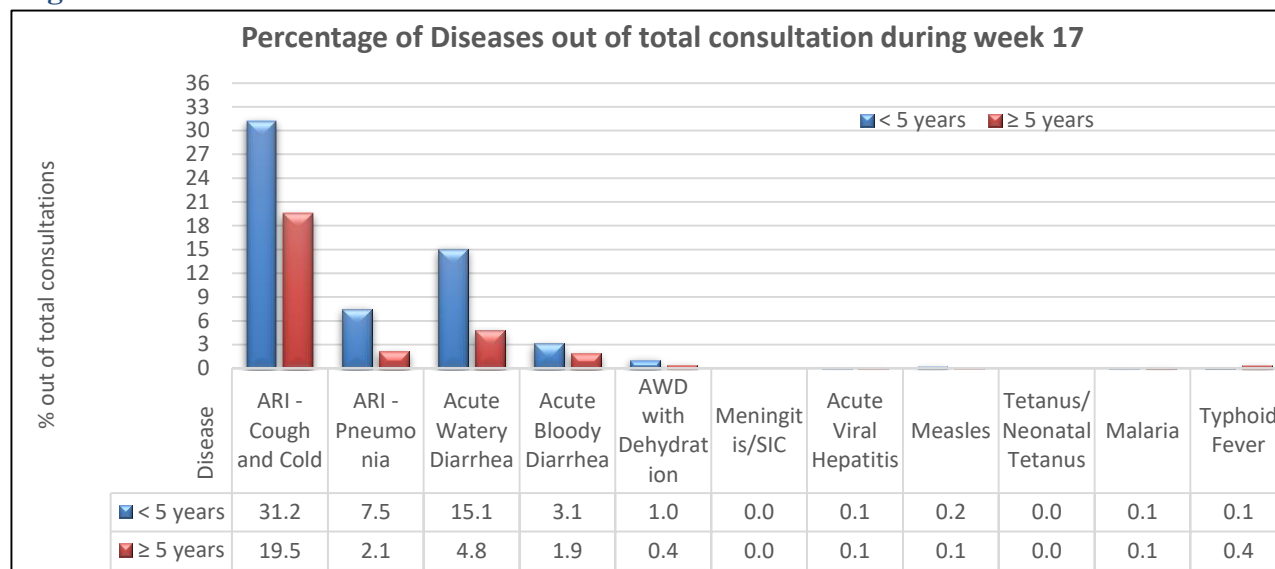


Table 1: Coverage of NDSR**Surveillance System**

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 the NDSR, reports 17 priority conditions/infectious diseases from sentinel sites on weekly basis. The data is compared with previous weeks and the corresponding weeks of the previous three years, and the alert and epidemic thresholds are checked to see if disease incidence has crossed these levels and necessary action is initiated.

Figure 2: A**Figure 2: B**

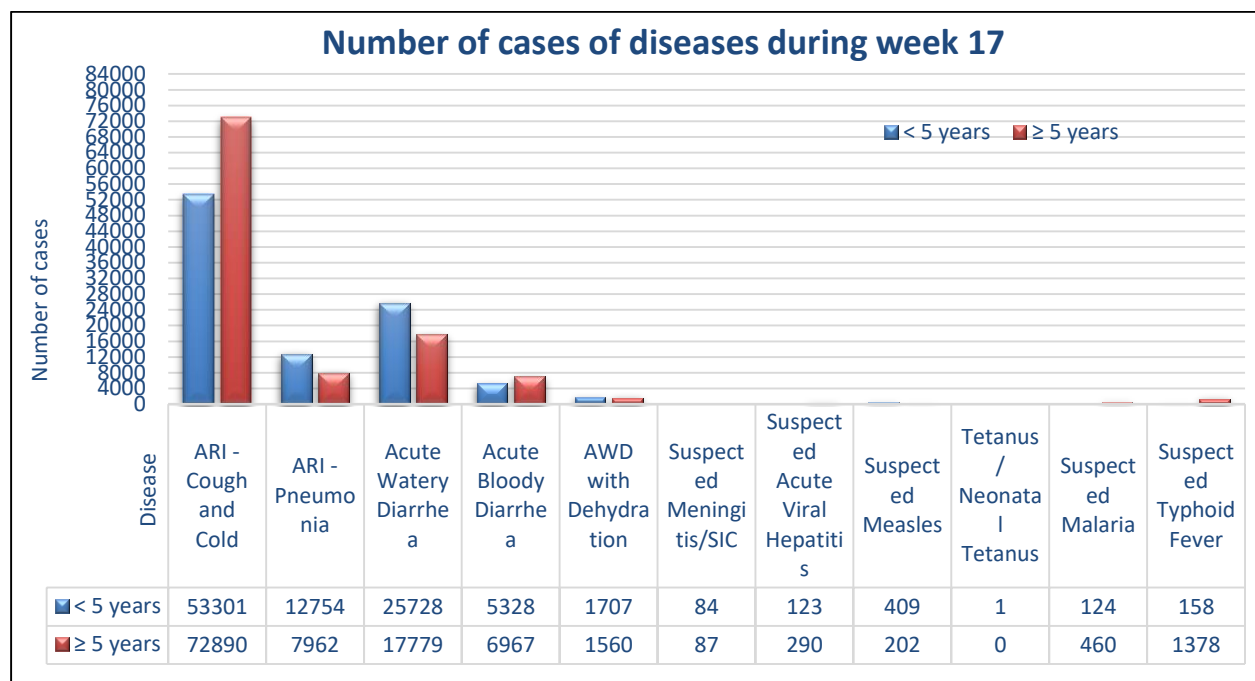


Table 2: IBS Cases and deaths due to VPDs by age group during week 17th 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	409	202	611	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

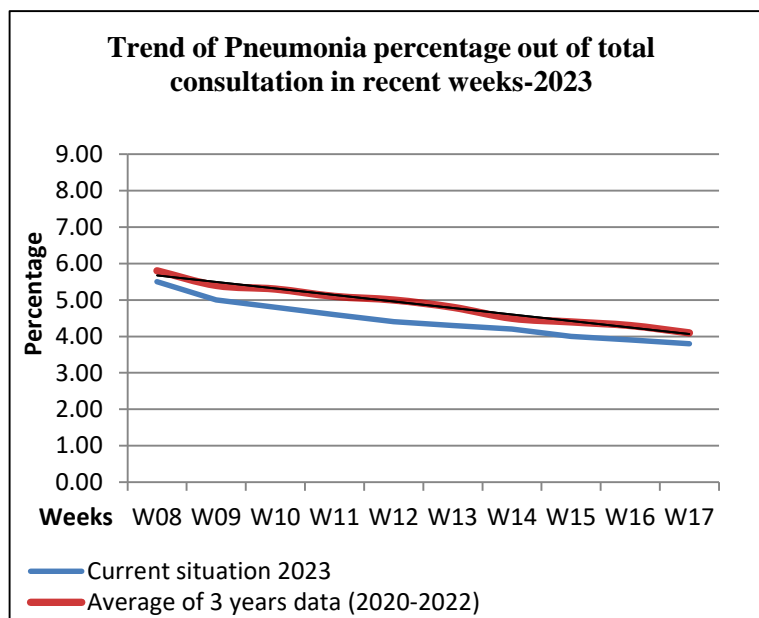


Figure 3: B

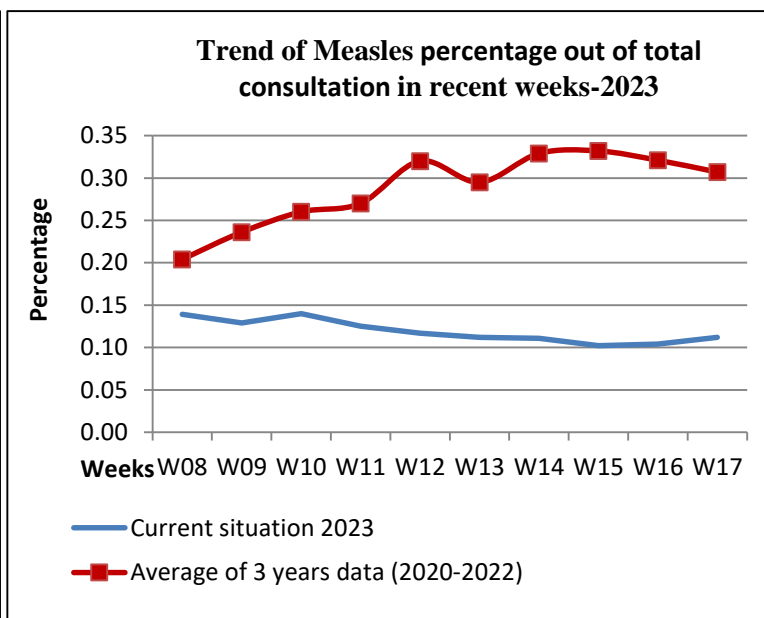


Figure 3: C

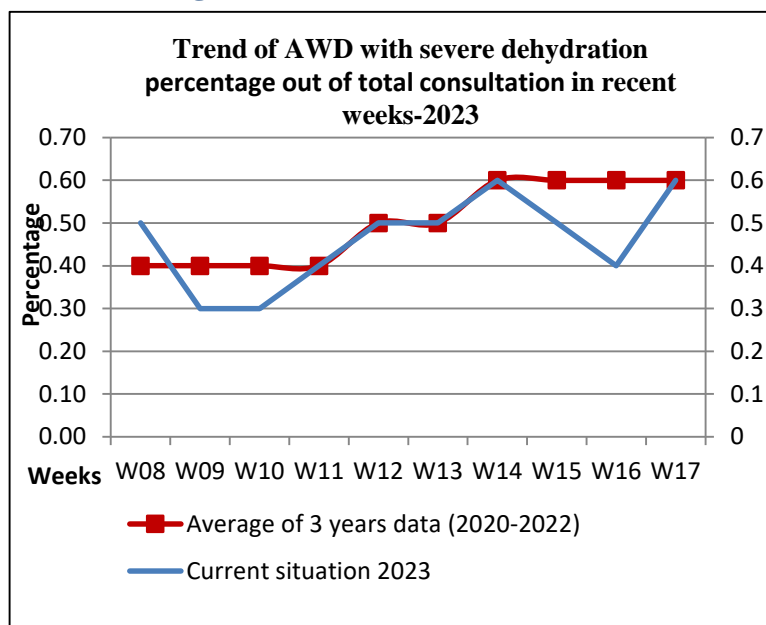
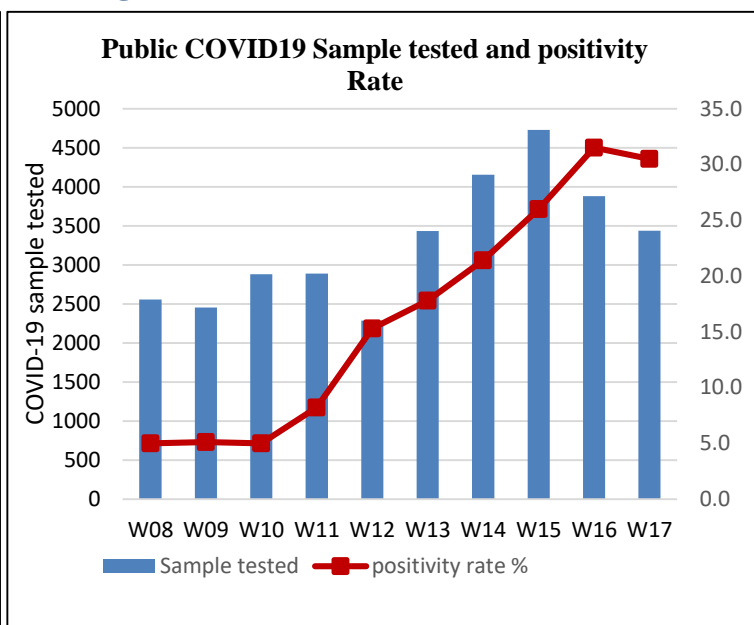


Figure 3: D

Table 3: Outbreaks in week 17th 2023:

CCHF Outbreak from Kandahar Province

Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
29/04/2023	Kandahar	Kandahar City	Shere-Now	40	01	Different age groups	Different occupation	During this week, 01 CCHF outbreak was reported from Kandahar province, and case management was done. Health education sessions were conducted for all the cases.

Suspected Measles outbreaks from Laghman and Urozgan Provinces

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	

27/4/2023	Laghman	Mehterlam	Karawoo Nomads, Baagh Mirza	9	9	18	0	N/A	71%	During this week, 02 suspected Measles outbreaks were reported from Laghman and Urozgan provinces. The outbreaks were investigated, and case management was done for all the cases. Also, health education sessions were conducted.
28/04/2023	Urozgan	Khas Urozgan	Marghondai	10	8	18	0	45%	39%	The vaccination of children in the surrounding villages of the affected area is going on.

Dog Bite / Suspected Rabies outbreaks from Parwan and Takhar provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
24/04/2023	Parwan	Jabelseraj	Gulbahar	8	0	During this week, 02 suspected Rabies outbreaks were reported from Parwan and Takhar provinces, and case management was done. Health education sessions were conducted for all the cases.
26/04/2023	Takhar	Rustaq	Khanaga And Ghazal Qala	11	0	

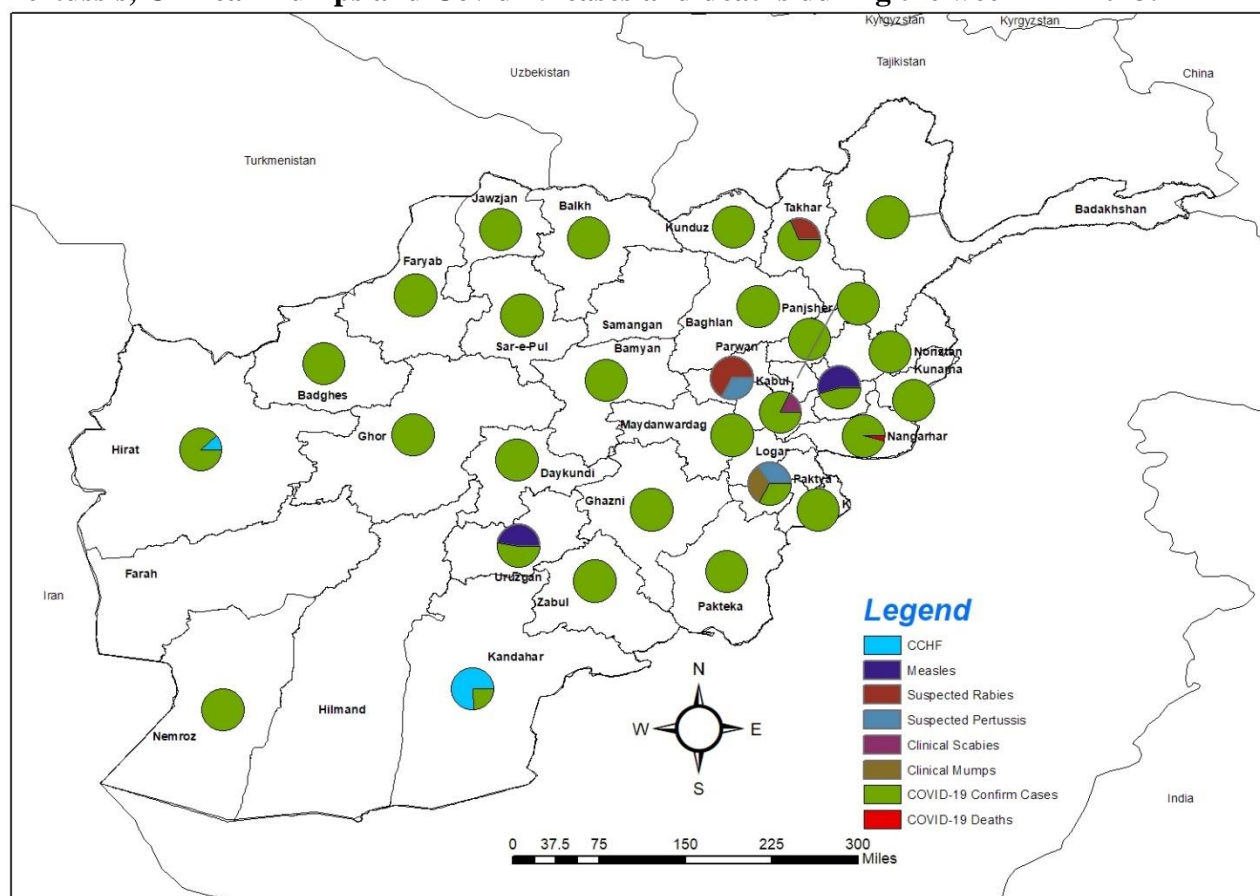
Suspected Pertussis outbreaks from Paktya and Parwan provinces						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
26/4/2023	Paktya	Gardez	Shejnak	23	0	During this week, 02 suspected Pertussis outbreaks were reported from Paktya and Parwan provinces, and case management was done. Health education sessions were conducted for all the cases.
24/2/2023	Parwan	Charikar	Parcha-E-9	4	0	

Clinical Mumps outbreak from Paktya province						
Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
25/04/2023	Paktya	Gardez	Khataba	21	0	During this week, 01 Clinical Mumps outbreak was reported from Paktya province, and case management was done. A health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 29April 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
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Measles	131	38	1563	6
CCHF	1	0	40	2
Dog bites/Suspected Rabies	29	0	254	0
Pertussis	22	0	280	1
Acute Watery Diarrhea	0	0	0	0
Bloody Diarrhea	2	0	124	0
Food Poisoning	2	0	21	0
Unknown Poisoning	0	0	0	0
Scabies	60	0	2209	0
Chickenpox	74	1	1817	0
Leishmaniosis	5	0	574	0
Cat bite suspected rabies	0	0	0	0
Mumps	34	0	475	0
Diphtheria	0	0	0	0
Pneumonia	29	1	1074	24
ARI Cough and cold	1	0	24	0
Dengue fever	1	0	1	1
Skin disease	2	0	596	0
Anthrax	3	0	3	0
Confirmed Malaria	0	0	0	0
Acute Viral Hepatitis (AVH)	1	0	10	0
Suspected Typhoid fever	2	0	36	0
COVID-19	1	1	7386	52
Grand Total	400	41	16487	86



Laboratory surveillance:

A total of **5078** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **1050** specimens were confirmed for COVID-19, **12** specimens were confirmed for **Acute Viral Hepatitis**, **09** specimens were confirmed for **Measles**, **09** specimens were confirmed for **CCHF**, **08** specimens were confirmed for **Malaria** and **02** specimens were confirmed for **Brucellosis**. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 17th 2023, we received reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 145 (4.2%) Severe Acute Respiratory Infections cases were reported, and 63% were under 5 years old. The proportion of SARI cases slightly increased compared to week 16th 2023. 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 (19.0%), Bamyan (18.4%), and Kapisa (12.0%) provinces. During this Epi-Week, our field staff shipped 27 SARI and 18 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

This week, **3436** specimens were tested for suspected COVID-19. Out of which **1050** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 30.5% this week, which decreased 1% compared to the previous week.
- Out of **1050** confirmed cases, **2377 contacts out of 611** were traced that were mostly family members, with an average of 4 contacts per case, and will be continued until 14 days after 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 **45,756** passengers have been screened for COVID-19 at the points of entry in five provinces (Balkh, Herat, Nangarhar, Kandahar, and Nimroz).

Challenges:

- Measles cases are still a public health concern in the country, this week **647** (IBS+EBS data) measles cases were reported to the surveillance system.
- ARI pneumonia cases are on a decreasing (0.1%) trend compared to the last weeks of the same period in previous years.
- AWD cases are on the increase compared to last week (1.7%).
- Weak response system to outbreaks at the national level

Recommendations:

- COVID-19 preventive and control measures should be strengthened.
- Public awareness regarding AWD 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.
 - **EPI:** As the surveillance system detected **647** suspected Measles cases at the national level, further prevention and control measures should be conducted by the EPI team
- The findings should be analyzed further at different levels, and appropriate actions should be taken by the concerned department.