

Summary:

- Out of **519** functional Surveillance sentinel sites, **508 (97.9%)** have submitted reports this week.
- A total of **557,769** new consultations, **223,675 (40.1%)** were due to Surveillance targeted diseases. That included **117,630 (52.6%)** males and **106,045 (47.4%)** females. Also, **108,039 (48.3%)** under five years old and **115,636 (51.7%)** five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, **115,657 (20.7%)** cases out of total new consultations, Acute Diarrheal Diseases **79218 (14.2%)** cases out of total new consultations, and Pneumonia, **19,662 (3.5%)** cases out of total new consultations.
- A total of **203** deaths were reported this week, of which **40 (19.8%)** deaths were due to Surveillance targeted diseases, which include **30** Pneumonia deaths, **02** Pregnancy related deaths, **02** suspected Meningitis/ Severely Ill Child deaths, **01** Acute Bloody Diarrhea death, **01** Acute Watery Diarrhea (AWD) with Dehydration death, **01** suspected Acute Viral Hepatitis death, **01** Suspected Measles death, **01** Tetanus/ Neonatal tetanus death and **01** COVID-19 death.
- In addition, during this week **20** outbreaks reported (**07 Suspected CCHF** outbreaks were reported from Kabul, Balkh, Faryab, Herat and Nimroz, **04 AWD** outbreaks were reported from Takhar, Jawzjan, Nangarhar and Laghman Provinces, **03** dog bites/suspected Rabies outbreak were reported from Badakhshan and Parwan Provinces, **02 Suspected Measles** outbreaks were reported from Helmand and Khost provinces, **01 Food Poisoning** outbreak was reported from Farah province, **01 Suspected Pertussis** outbreak was reported from Badakhshan province, **01** suspected Chickenpox was reported from Paktia and **01** confirmed **Malaria** Outbreak was reported from Farah Province).
- Moreover, **1125** COVID-19 confirmed cases and **491** suspected Measles cases were reported at the national level.

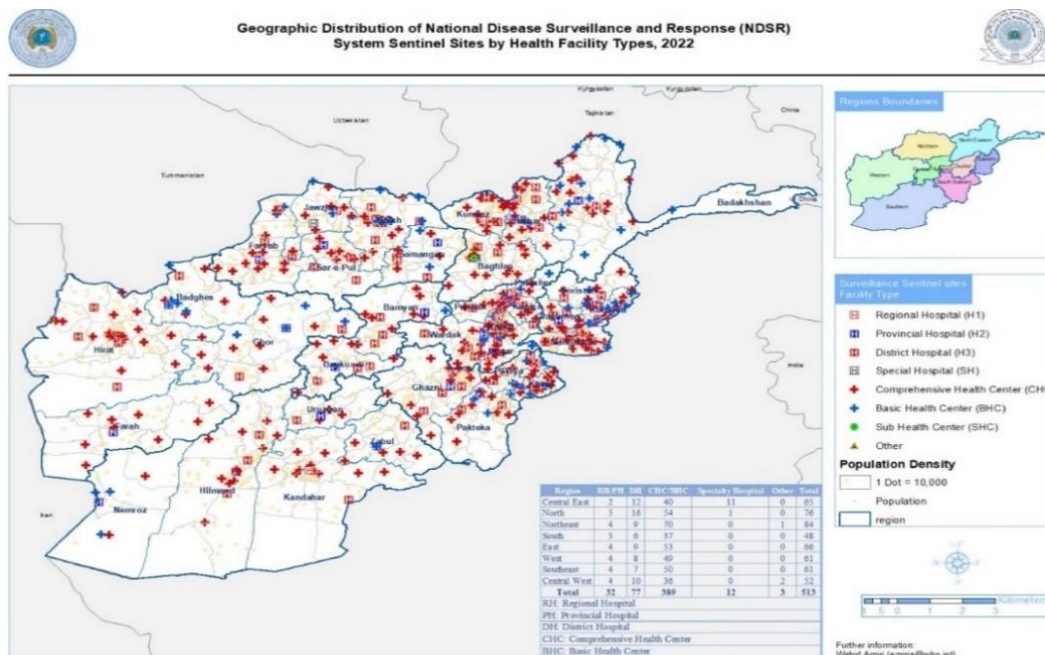


Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2022

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	6	25	80	310	80	13	1	4	519

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

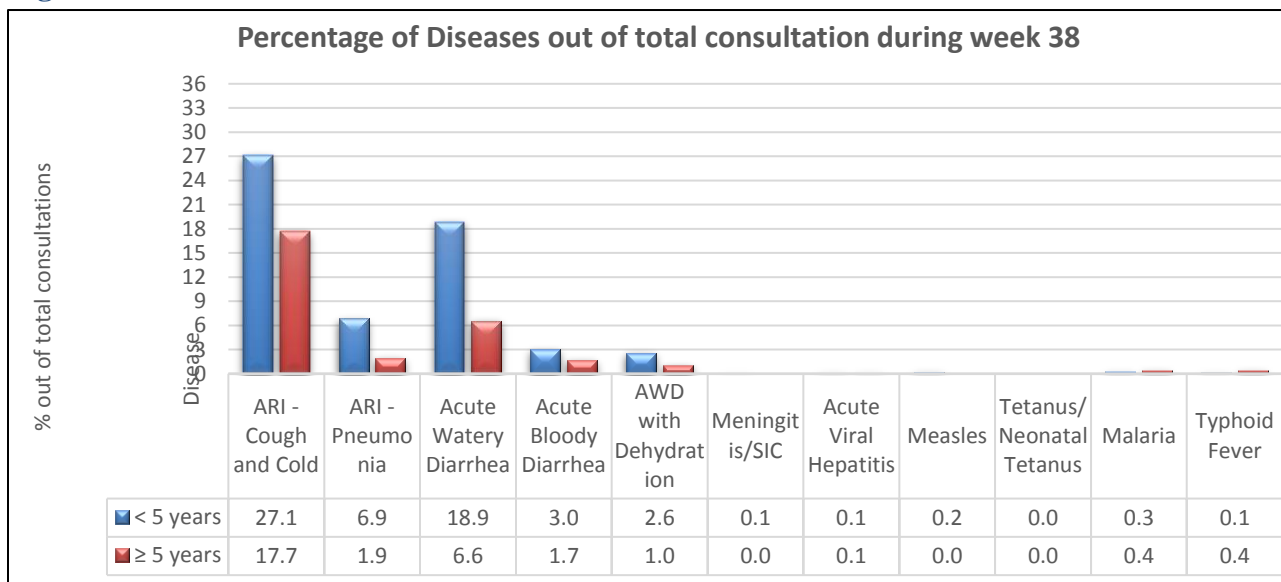


Figure 2: B

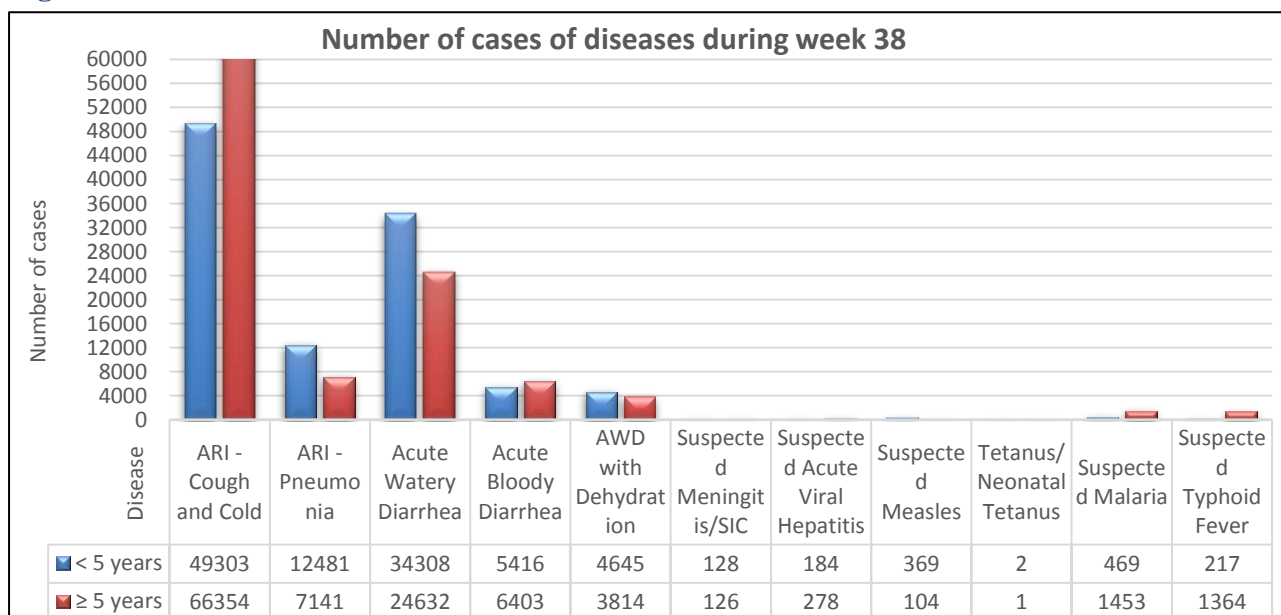


Table 2: Cases and deaths due to VPDs by age group during week 38th, 2022

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	369	104	473	1	0	1	0.21

Seasonal Diseases:

Figure 3: A

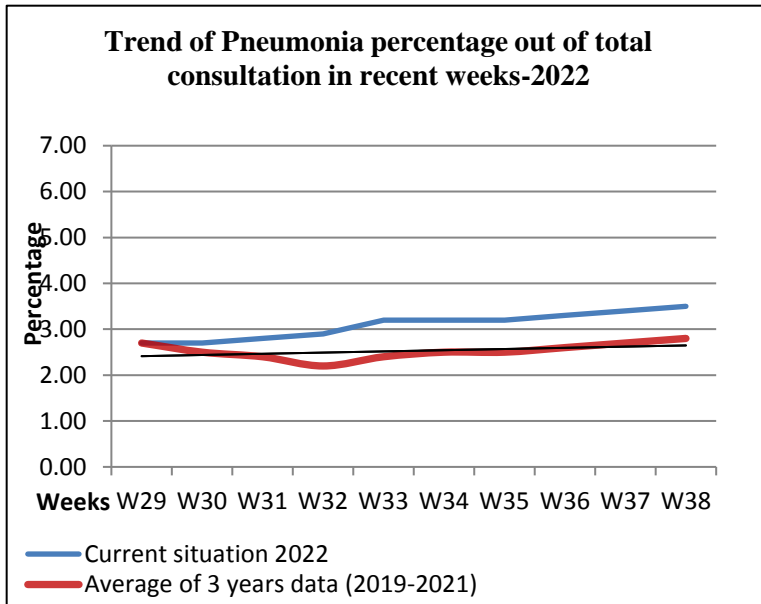


Figure 3: B

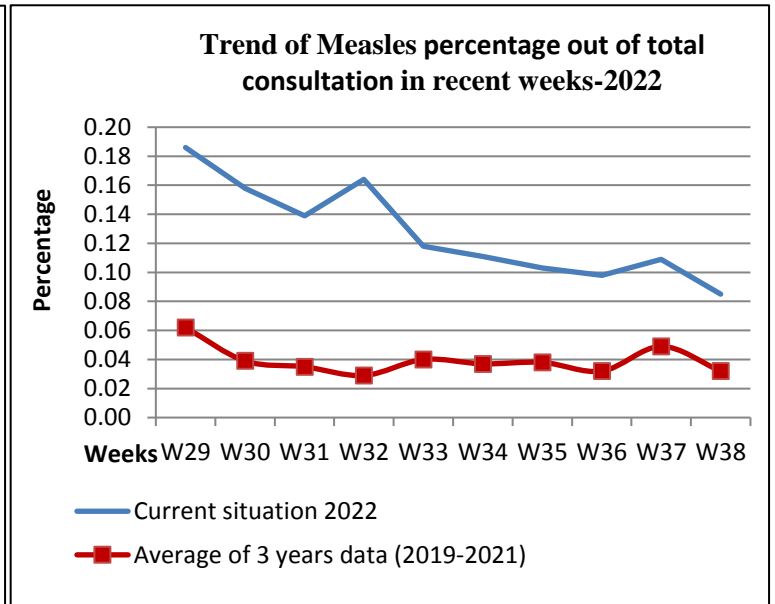


Figure 3: C

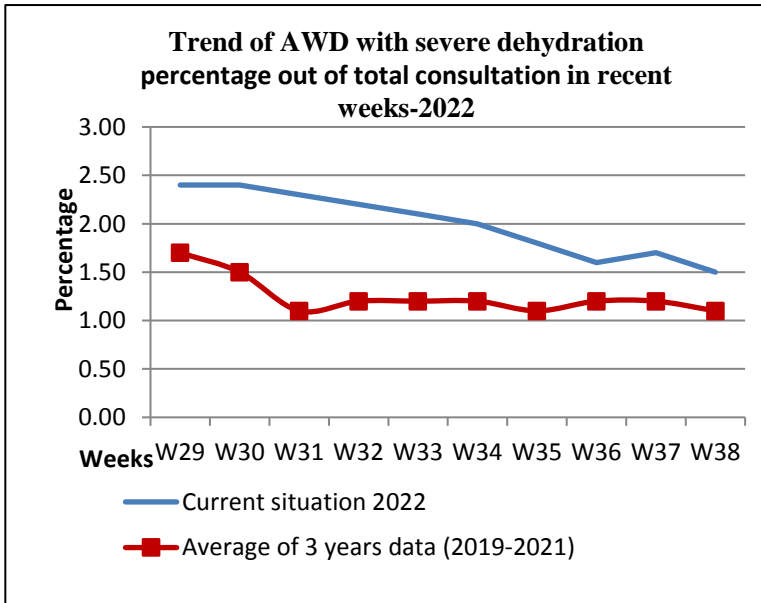


Figure 3: D

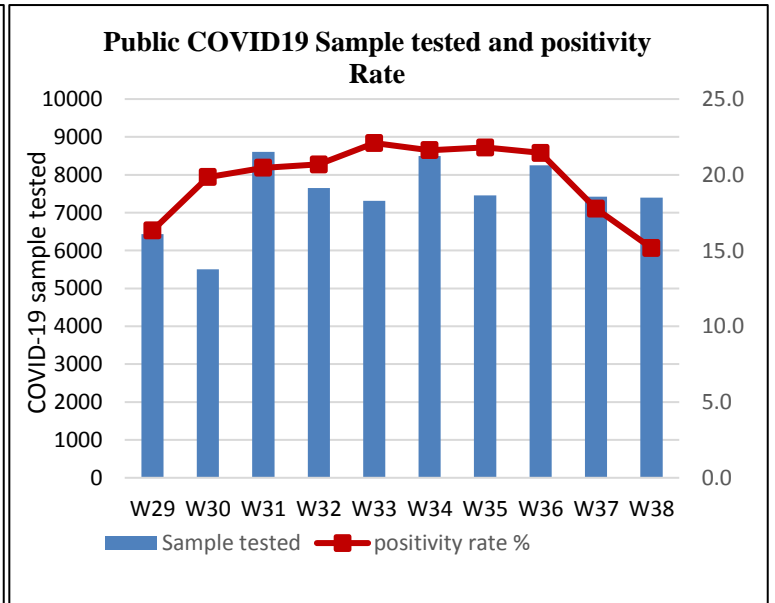


Table 3: Outbreaks in week 38th:

Suspected CCHF Cases (Kabul, Balkh, Faryab, Herat and Nimroz) provinces								
Reported date	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action taken
24/09/2022	Kabul	Kabul	Company	1	0	19Y	Butcher	During this week 07 suspected CCHF cases were reported from Kabul, Balkh, Faryab, Herat and Nimroz provinces. Case management was done for all the cases, health education sessions were conducted and the information was shared with related departments and animal health as well, to take preventive and control measures.
24/09/2022		Kabul	Barchi	1	0	30Y	Butcher	
24/09/2022		District 1	Jada-E-Maiwand	1	0	80Y	Other	
24/09/2022	Balkh	Mazar-i-Sharif	District 9	1	0	48Y	Butcher	
24/09/2022	Faryab	Pashtna Koot	Sarvilla	1	0	45Y	Butcher	
24/09/2022	Herat	Shindand	Khaja noor	1	0	55Y	Other	
18/09/2022	Nimroz	Kang	Haji mosa	1	0	55Y	Housewife	

AWD outbreaks from (Takhar, Jawzjan, Nangarhar and Laghman) Provinces						
Reported date	Province	District	Village	Total cases	Total deaths	Recommendation/ Action take
19/09/2022	Takhar	Ishkamish	Farmanquly	54	0	During this week 04 AWD outbreaks were reported from Takhar, Jawzjan, Nangerhar and Laghman Provinces. Case management was done, and health education sessions were conducted for all the cases. More updates will be shared through follow-up and final investigation reports.
19/09/2022	Jawzjan	Qush tepa	Farmanquly	18	0	
19/09/2022	Laghman	Mehterlam	Ziarat and Kakar Villages, Karanj area	111	0	
19/09/2022	Nangarhar	District 4 Jalalabad	Abdullah Ibni Masood Masjid Madrasa	15	0	

Food Poisoning outbreak from (Farah) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
22/09/2022	Farah	Center	Center of Farah	21	0	During this week 01 Food Poisoning outbreak was reported from Farah province. Case management was done, health education sessions were conducted for all the cases.

Suspected Pertussis outbreak from (Badakhshan) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
20/09/2022	Badakhshan	Baharak	Sareipule yardar	9	0	During this week 01 Suspected Pertussis outbreak was reported from Badakhshan province, case management was done. Health education sessions were conducted for all the cases.

Dog bites/Suspected Rabies outbreak from (Badakhshan and Parwan) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
19/09/2022	Badakhshan	Khash	Shahran	12	0	During this week 03 dog bites/suspected Rabies outbreak were reported from Badakhshan and Parwan province, case management was done. Health education sessions were conducted for all the cases.
21/09/2022		Taqab	Farmanquly	7	0	
22/09/2022	Parwan	Charikar	Parcha-e-7	7	0	

Suspected Chickenpox outbreak from (Paktia) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
20/09/2022	Paktia	Ahmadaba	Ahmadzai	12	0	During this week 01 suspected Chickenpox outbreak was reported from Paktia province, case management was done. Health education sessions were conducted for all the cases.

Suspected Measles outbreak (Helmand, Khost) provinces

Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
19/09/2022	Helmand	Lashkargah	Haji abul wali	7	4	11	0	60%	30%	In this week, 02 suspected Measles outbreak were reported from Helmand and Khost provinces.

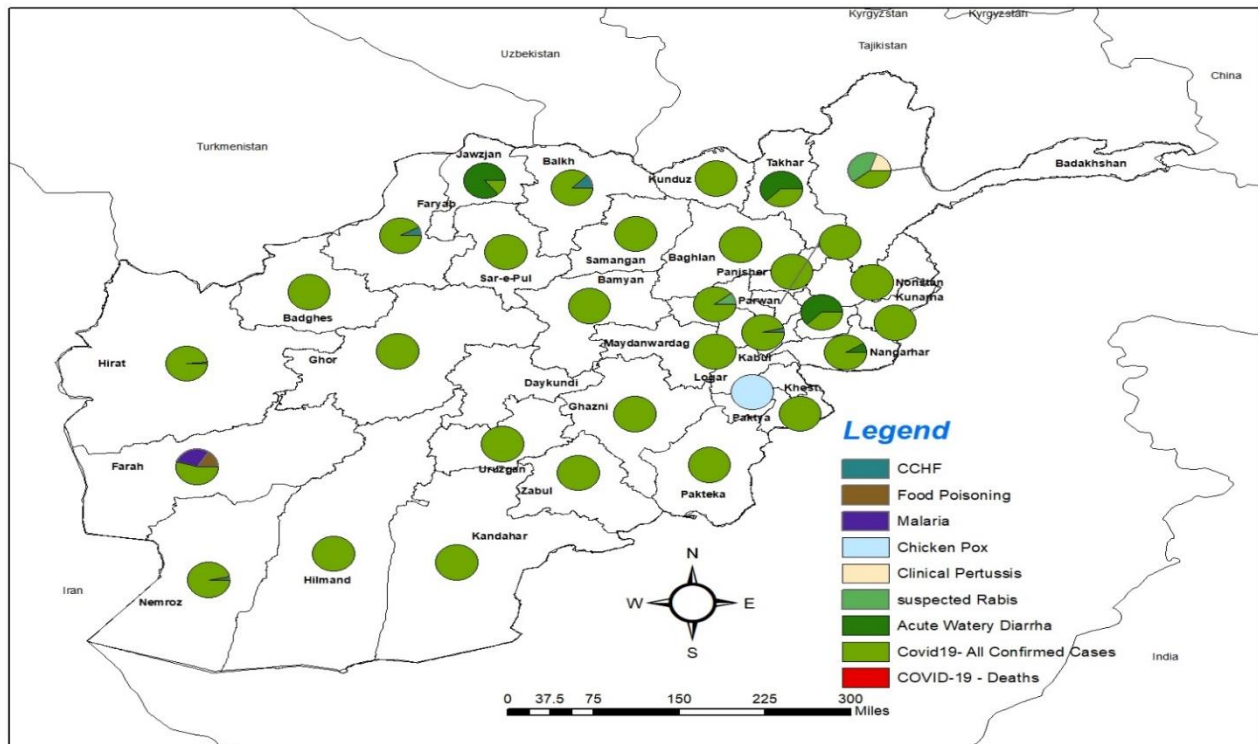
18/09/2022	Khost	Maton	Madikhel	4	3	7	0	52%	35%	The outbreak was investigated, case management was done for all the cases. Also, health education session was conducted. Vaccination of children in the surrounding villages of the affected area is going on.
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Confirmed Malaria outbreak from (Farah) province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
19/09/2022	Farah	Farah	Tawoos	39	0	During this week 01 confirmed Malaria outbreak was reported from Farah province. Case management was done, health education sessions were conducted for all the cases.

Table 4: Updated outbreaks report during 2022 (26 Dec 2021 to 24 September 2022)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	245	170	3493	108
CCHF	339	82	340	11
Dog bites/Suspected Rabies	19	1	129	0
Pertussis	31	1	185	10
Acute Watery Diarrhea	67	13	4218	8
Food Poisoning	15	0	356	2
Unknown Poisoning	1	0	5	2
Scabies	7	0	112	0
Chickenpox	25	1	254	0
Leishmaniosis	3	0	67	0
Cat bite suspected rabies	1	0	4	0
Mumps	2	0	22	0
Diphtheria	2	0	2	0
Pneumonia	1	0	25	0
Dengue fever	2	0	6	0
Skin disease	1	0	3	0
Anthrax	1	0	5	0
Confirmed Malaria	4	4	1321	0
COVID-19	1	1	43409	510
Grand Total	767	272	53956	651

Figure 4: Distributions of COVID-19, Suspected CCHF, Acute Watery Diarrhea, Suspected Measles, Dog bites/suspected Rabies, Suspected Pertussis, Food poisoning, Suspected chickenpox, Confirmed Malaria cases and deaths during the week 38th



Laboratory surveillance:

A total of **8791** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **1125** specimens were confirmed for COVID-19, **36** specimens were confirmed for Malaria, **10** specimens were confirmed for Acute Watery Diarrhea, **02** specimens were confirmed for Measles, **01** specimen was confirmed for ILI and **01** Specimen was confirmed for Brucellosis (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 38th 2022, 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, 175 (5.3%) Severe Acute Respiratory Infections cases were reported and 70% were under 5 years old. The proportion of SARI cases were slightly increased compared to week 37th 2022. 04 SARI-associated deaths were reported this week. At the 09 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kapisa (17.9%), Kabul (17%), and Bamyan (15.2%) provinces. During this Epi-week, our field staff shipped 27 SARI and 19 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **7398** specimens were tested for suspected COVID-19. Out of which **1125** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 cases positivity rate was 15.2 % in this week, which decreased 0.7% compared to previous week.
- Bed occupancy rate (BOR) at the national level was **52.6%**, which increased 0.4 % compared to last week.
- Out of **1125** confirmed cases, **2499** contacts of **906** 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 in the points of entry for fever. In addition, health education was conducted for them, about **42962** passengers have been screened for COVID-19 in the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- AWD outbreaks and diarrheal diseases cases are still a public health problem, in this week we had 04 AWD outbreaks with 01 death due to AWD with dehydration.
- Trend of ARI cases was slightly increased compared to the previous week.
- Suspected Measles cases are decreased compared to the previous week, in this week **491** suspected measles cases and 01 death due to measles were reported.

Recommendations:

- Strong preventive and control measures are needed for the control of AWD cases at the national level.
- Preventive and control measure should be strengthened for the control of ARI (Influenza and Pneumonia at the national level)
- Measles vaccination and preventive measures should be strengthened and the measles response strategy should be revised.
 - **EPI:** As the surveillance system detected **491** suspected Measles cases with 01 death at the national level, so further prevention and control measures should be conducted by the EPI team.
- The findings should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.