

Summary:

- Out of **613** functional Surveillance sentinel sites, **587 (95.8%)** have submitted reports this week.
- A total of **625,852** new consultations, **254,801 (40.7%)** were due to Surveillance targeted diseases. That included **132,830 (52.1%)** males and **121,971 (47.9%)** females. Also, **111,485 (43.8%)** under five years old and **143,316 (56.2%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **176,944 (28.3%)** cases out of total new consultations, Acute Diarrheal Diseases **30,267 (4.8%)** cases out of total new consultations, and Pneumonia **42,453 (6.8%)** cases out of total new consultations.
- A total of **293** deaths were reported this week, of which **98 (33.5%)** deaths were due to Surveillance targeted diseases, which include **83 Pneumonia** deaths, **06 COVID-19** deaths, **04 suspected Meningitis/Severely ill Child** deaths, **03 Suspected Measles** deaths, **01 Acute Watery Diarrhea (AWD) with Dehydration** death and **01 Pregnancy-related** death.
- In addition, during this week **19** outbreaks were reported (**06 Suspected Measles** outbreaks were reported from **Kabul, Kandahar, Khost, Helmand, and Zabul** provinces, **03 Clinical Scabies** outbreaks were reported from **Badakhshan, Baghlan and Kapisa** provinces, **03 Suspected Chickenpox** outbreaks were reported from **Kabul, Ghor and Takhar** provinces, **03 Suspected Pertussis** outbreaks were reported from **Ghazni, Nuristan and Urozgan** provinces, **02 Suspected Mumps** outbreaks were reported from **Herat and Takhar** provinces, **01 Dog bites/Suspected Rabies** outbreak was reported from **Parwan** province and **01 Suspected Anthrax** outbreak was reported from **Kabul** province.
- Moreover, **178** COVID-19 confirmed cases and **785** Suspected **Measles** cases were reported at national level.

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

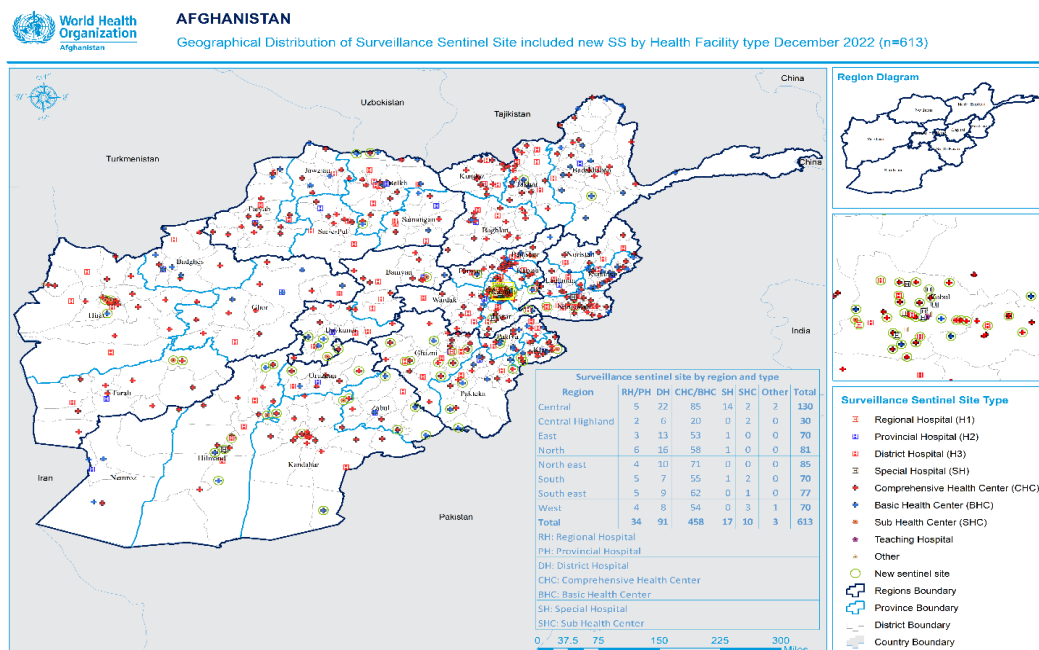


Table 1: Coverage of NDSR Surveillance System

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 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

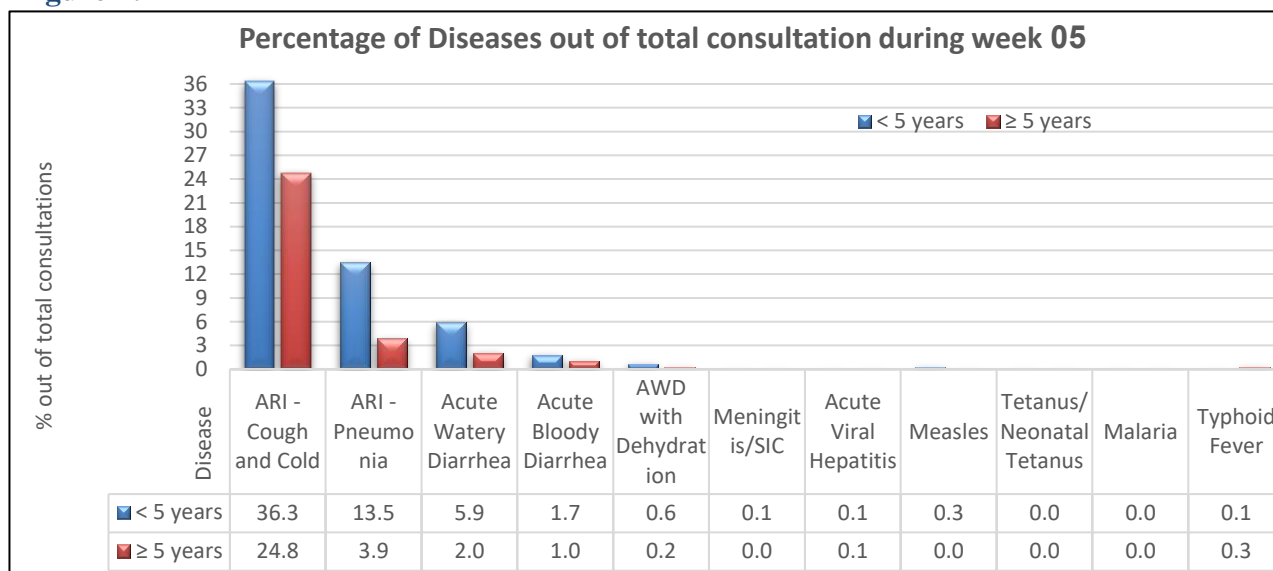


Figure 2: B

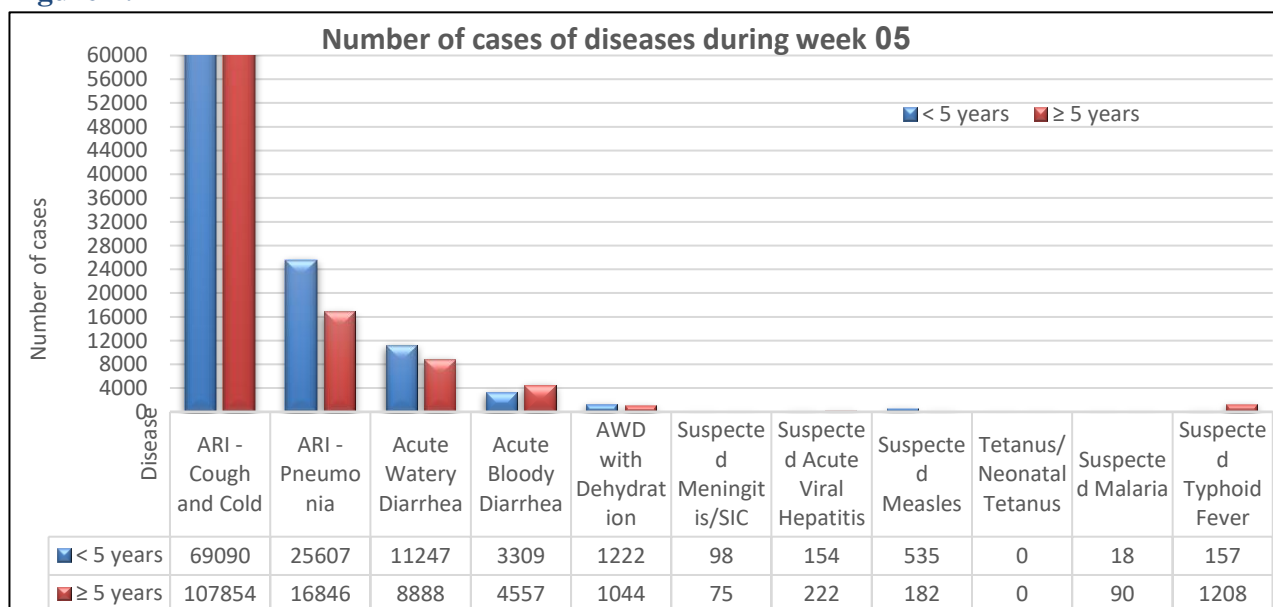


Table 2: Cases and deaths due to VPDs by age group during week 05th 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	535	182	717	3	0	3	0.42
Suspected Pertussis	13	0	13	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

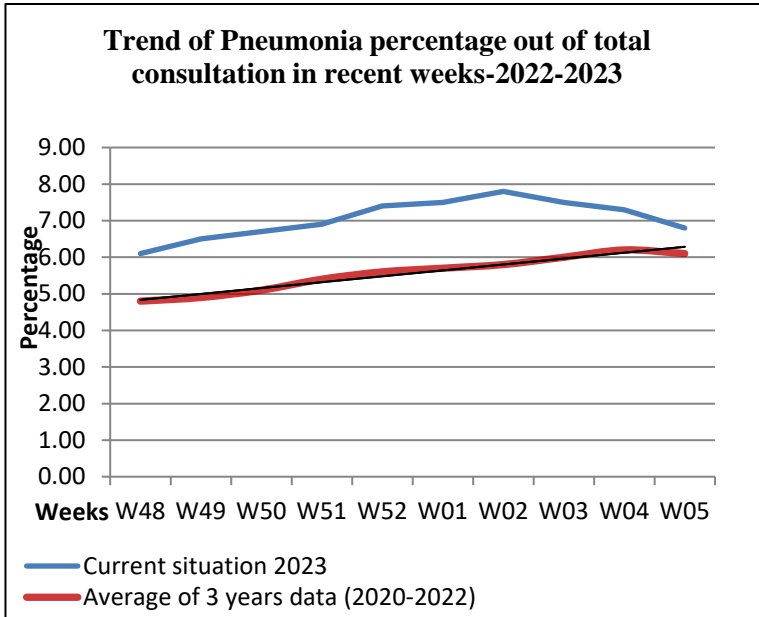


Figure 3: B

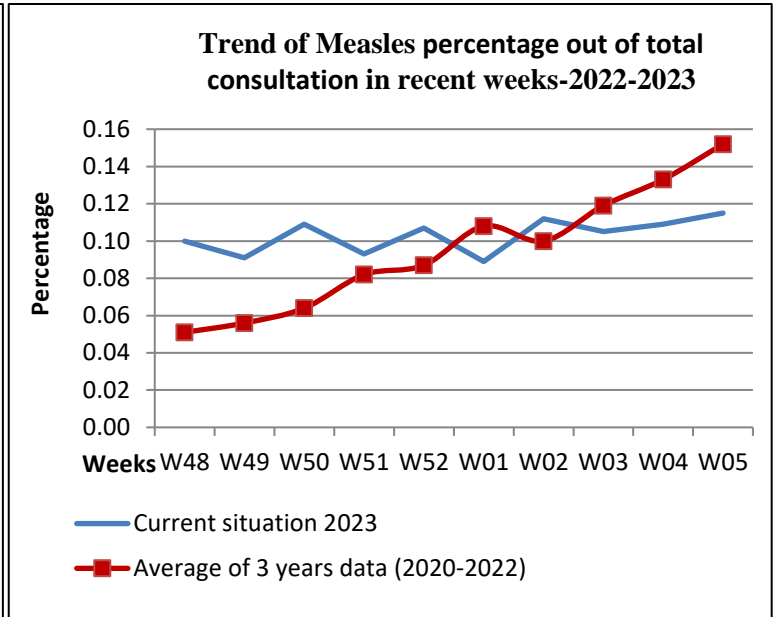


Figure 3: C

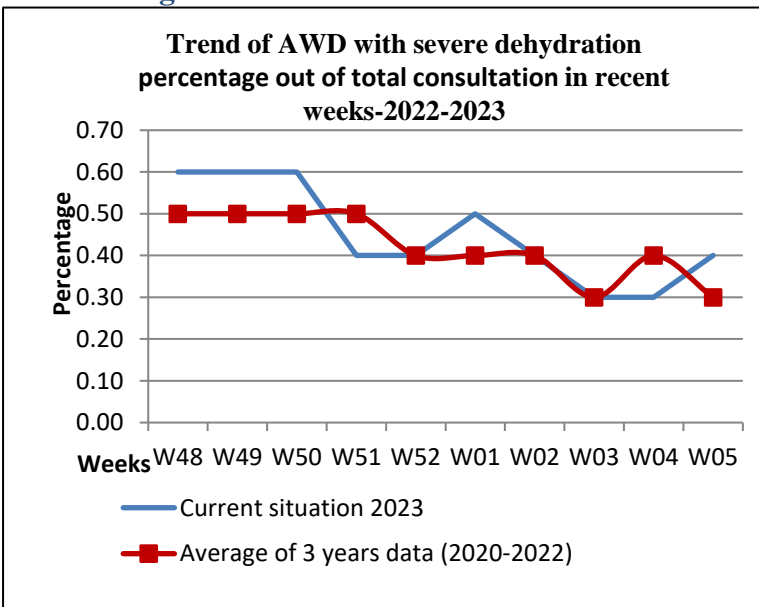


Figure 3: D

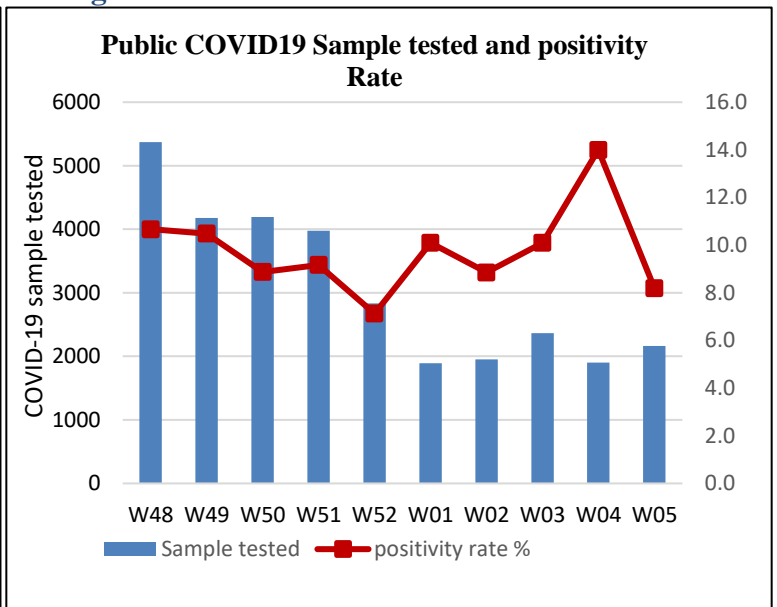


Table 3: Outbreaks in week 05th 2023:

Suspected Measles outbreaks from Kabul, Kandahar, Khost, Helmand, and Zabul provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
29/1/2023	Kabul	Kabul	Kabul City	11	3	14	0	NA	0	In this week, 06 suspected Measles outbreaks were reported from Kabul, Kandahar, Khost, Helmand, and Zabul provinces . The outbreaks were investigated, case management was done for all the cases. Also, health education sessions were conducted. Vaccination of children in the surrounding villages of the affected area is going on.
30/1/2023	Kandahar	Argghanistan	Naghar Sha	3	3	6	0	45%	33%	
29/1/2023	Khost	Ismail Khel Mandozai	Lalmai	12	6	18	0	N/A	42%	
3/2/2023	Helmand	Lashkarga City	Haji Malim Sahib Kali	3	7	10	0	NA	30%	
31/2/2023	Zabul	Qalat	Haji Laong	6	2	8	0	95%	25%	
30/1/2023			Bilal Masjid	4	3	7	0	97%	37%	

Clinical Scabies outbreaks from Badakhshan, Baghlan and Kapisa provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
29/01/2023	Badakhshan	Yaftal	Bedi Kalan	24	0	During this week 03 Clinical Scabies outbreaks were reported from Badakhshan, Baghlan and Kapisa provinces, case management was done. Health education sessions were conducted for all the cases.
01/02/2023	Baghlan	Baghlan	Sar Jar	44	0	
29/01/2023	Kapisa	Kohistan-2	Kalotah	14	0	

Suspected chickenpox outbreaks from Kabul, Ghor and Takhar provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
31/01/2023	Kabul	District 9	QABULBAAY	6	0	During this week 03 suspected chickenpox outbreaks were reported from Kabul, Ghor and Takhar Provinces, case management was done. Health education sessions were conducted for all the cases.
02/02/2023	Ghor	Lal W Sarjangal	Bikh Sang	12	0	
29/01/2023	Takhar	Taluqan	Orphanag	16	0	

Suspected Pertussis outbreaks from Ghazni, Nuristan and Urozgan provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
01/02/2023	Ghazni	Ramak	Tenfer& Tasan	4	0	During this week 03 suspected Pertussis outbreaks were reported from Ghazni, Nuristan and Urozgan provinces, case management was done. Health education sessions were conducted for all the cases.
29/01/2023	Nuristan	Want Waigal	Zamyoo	14	0	
03/02/2023	Urozgan	Khas Urozgan	Taikin Kali	10	0	

Suspected Mumps outbreaks from Herat and Takhar provinces

Reported Dated	Province	District	Village	Total Cases	Total Deaths	Recommendation/Action take
04/02/2023	Herat	Injil	Tur Pariyan	28	0	During this week 02 suspected Mumps outbreaks were reported from Herat and Takhar provinces, case management was done. Health education sessions were conducted for all the cases.
01/02/2023	Takhar	Chardarah	Etifaaq	12	0	

Dog bites/suspected Rabies outbreak from Parwan province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
02/02/2023	Parwan	Siagerd	Daraz Gerd	6	0	During this week 01 suspected Rabies outbreak was reported from Parwan province , case management was done. Health education session was conducted for all the cases.

Suspected Anthrax outbreak from Kabul province

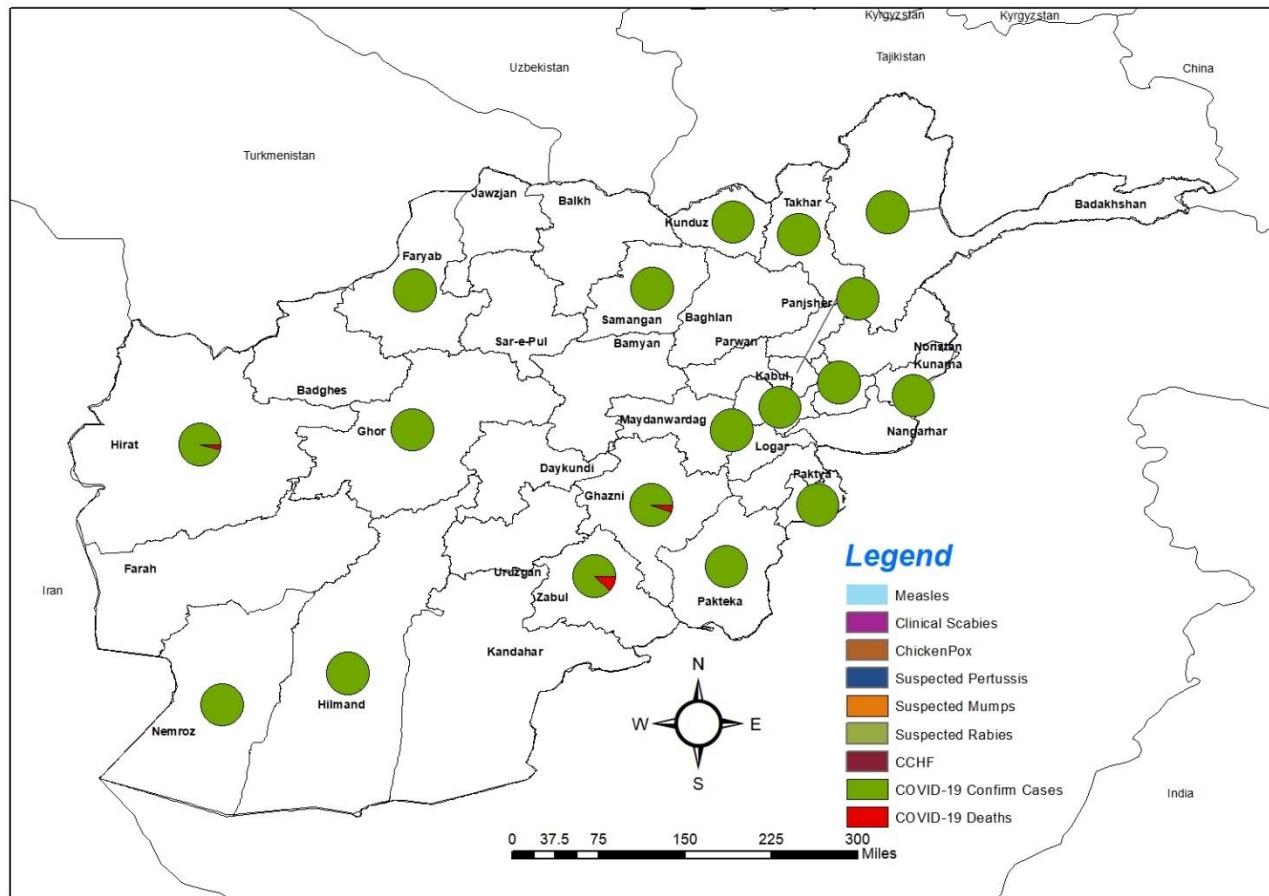
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
02/02/2023	Kabul	District 8	Karte Naw	1	0	During this week 01 suspected Anthrax outbreak was reported from Kabul province, case management was done.

						Health education session was conducted for all the cases.
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Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 04 Feb 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	37	18	418	0
CCHF	4	0	4	0
Dog bites/Suspected Rabies	11	0	93	0
Pertussis	9	0	80	0
Acute Watery Diarrhea	0	0	0	0
Food Poisoning	0	0	0	0
Unknown Poisoning	0	0	0	0
Scabies	8	0	425	0
Chickenpox	11	0	325	0
Leishmaniosis	0	0	0	0
Cat bite suspected rabies	0	0	0	0
Mumps	8	0	111	0
Diphtheria	0	0	0	0
Pneumonia	23	0	893	6
ARI Cough and cold	1	0	24	0
Dengue fever	0	0	0	0
Skin disease	0	0	0	0
Anthrax	1	0	1	0
Confirmed Malaria	0	0	0	0
Acute Viral Hepatitis (AVH)	0	0	0	0
COVID-19	1	1	1074	36
Grand Total	114	19	3448	42

Figure 4: COVID-19, Suspected Measles, Suspected Scabies, Suspected Chickenpox, Suspected Pertussis, Suspected Mumps, Suspected Rabies, Suspected Anthrax, Covid-19 cases and deaths during the week 05th 2023



Laboratory surveillance:

A total of **2664** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **178** specimens were confirmed for COVID-19, **29** specimens were confirmed for **Measles**, **16** specimens were confirmed for **Acute Viral Hepatitis**, **06** specimens were confirmed for SARI, **05** specimens were confirmed for **Dengue Fever**, **04** specimens were confirmed for **ILI** and **02** specimens were confirmed for **Malaria**. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 5th 2023, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa and Paktia). Out of all new hospital admissions, 345 (9.0%) 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 4th 2023. 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 Kabul (42%), Kapisa (36.4 %), and Bamyan (20.5 %) provinces. During this Epi-week, our field staff shipped 53 SARI and 36 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **2163** specimens were tested for suspected COVID-19. Out of which **178** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 8.2 % in this week, which decreased 6 % compared to the previous week.
- Out of **178** confirmed cases, **727** contacts of **234** 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 **48,816** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Herat, Nangarhar, Kandahar and Nimroz).

Challenges:

- Measles cases are still a public health concern in the country, this week **785** 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
- 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 **785** suspected Measles cases with 03 deaths 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.