

Summary:

- Out of **613** functional Surveillance sentinel sites, **586 (95.6%)** have submitted reports this week.
- A total of **567,411** new consultations, **248,149 (43.7%)** were due to Surveillance targeted diseases. That included **129,739 (52.3%)** males and **118,410 (47.7%)** females. Also, **112,292 (45.25%)** under five years old and **135,857 (54.75%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **169,283 (29.8%)** cases out of total new consultations, Acute Diarrheal Diseases **29,327 (5.2%)** cases out of total new consultations, and Pneumonia **44,193 (7.5%)** cases out of total new consultations.
- A total of **301** deaths were reported this week, of which **115 (38.2%)** deaths were due to Surveillance targeted diseases, which include **100** Pneumonia deaths, **04** COVID-19 deaths, **03** Suspected **Meningitis/ Severely Ill Child** deaths, **02** suspected **Measles** deaths, **03** **Acute Watery Diarrhea (AWD) with Dehydration** deaths, **01** Suspected **Acute Viral Hepatitis** death, **01** **Tetanus/ Neonatal tetanus** death and **01** **Pregnancy-related** death.
- In addition, during this week **23 outbreaks were reported (07 suspected Measles** outbreaks were reported from **Kapisa, Kandahar, Helmand, Nangahar and Wardak** Provinces, **06 suspected ARI/Pneumonia** outbreaks were reported from **Ghor, Kandahar, Kunduz, Laghman, Takhar and Nangarhar** Provinces, **03 suspected Chickenpox** outbreaks were reported form **Herat, Saripul and Wardak** provinces, **02 Suspected Mumps** outbreaks were reported from **Urozgan** Province, **02 suspected Scabies** outbreaks were reported from **Wardak and Laghman** Provinces, **01 suspected Pertussis** outbreak was reported form **Kapisa** Province, **01 suspected ARI cough and cold** was reported from **Badakhshan** Province, **01 Dog bite** outbreak was reported from **Wardak** Province).
- Moreover, **174** COVID-19 confirmed cases and **706** suspected **Measles** and 18 confirmed Dengue Fever cases reported from Nangarhar and at national level.

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

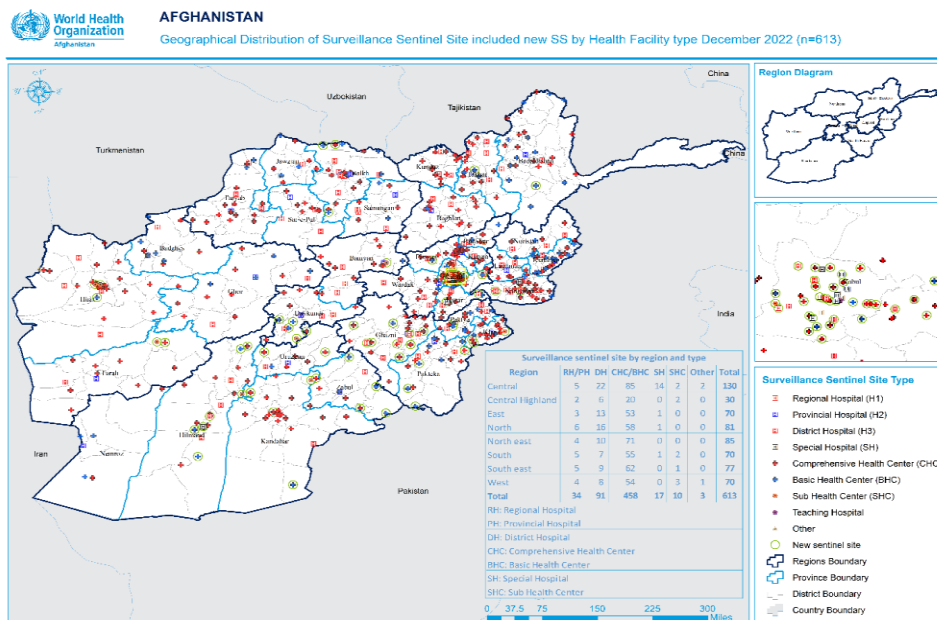


Table 1: Coverage of NDSR Surveillance System

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

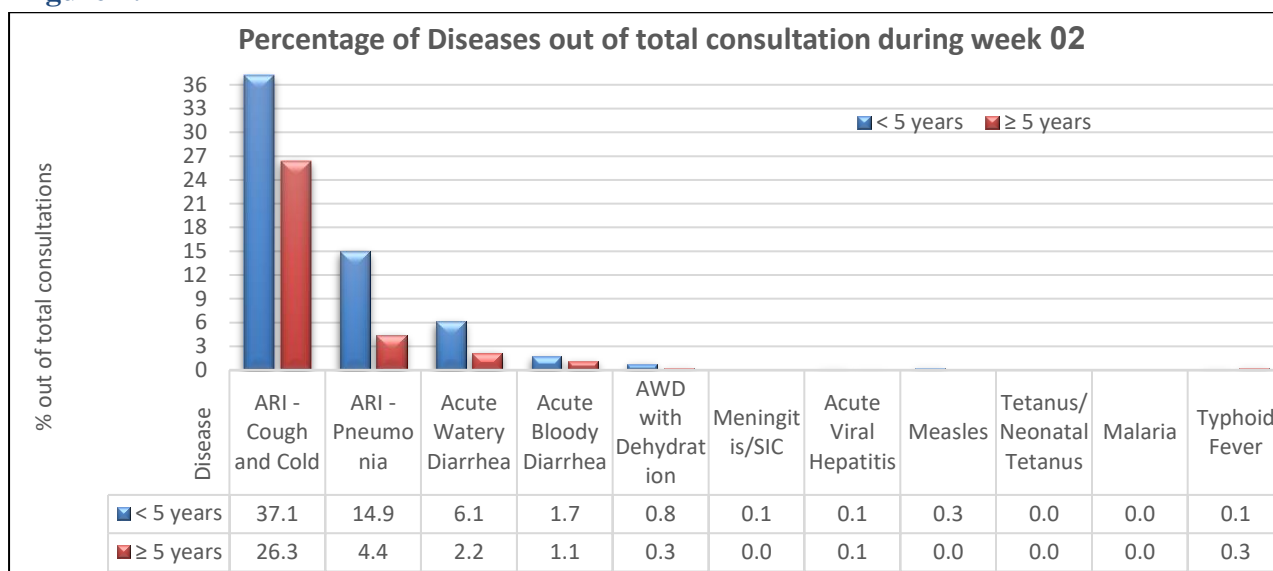


Figure 2: B

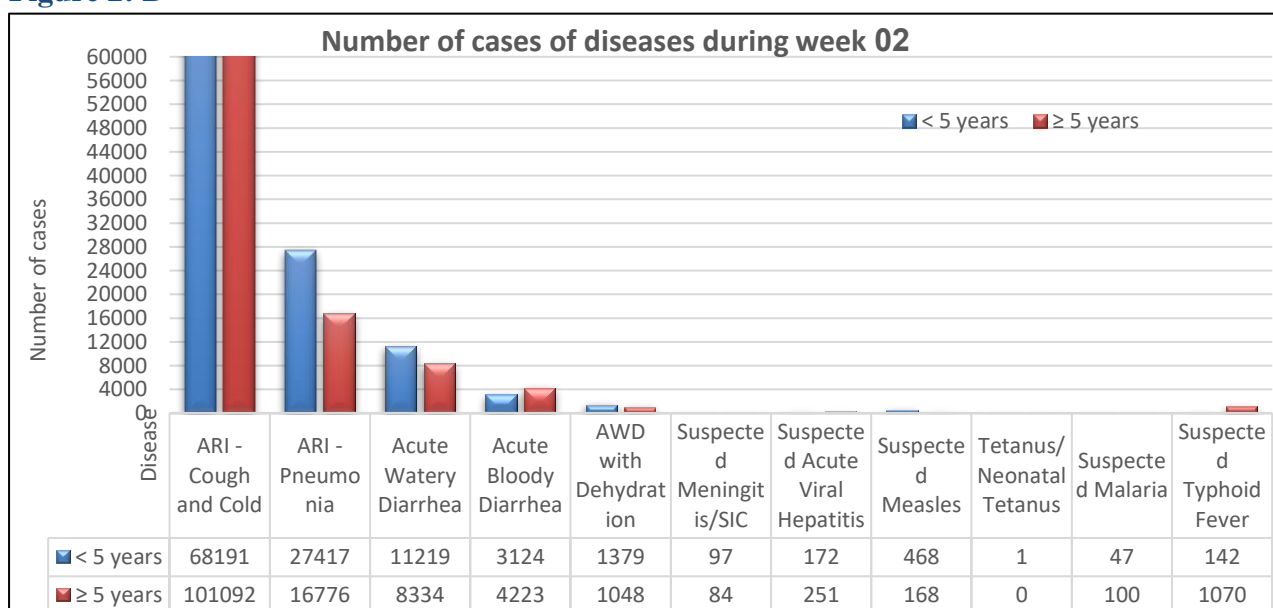


Table 2: Cases and deaths due to VPDs by age group during week 02nd 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	503	203	706	2	0	2	0.28
Suspected Pertussis	25	3	28	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

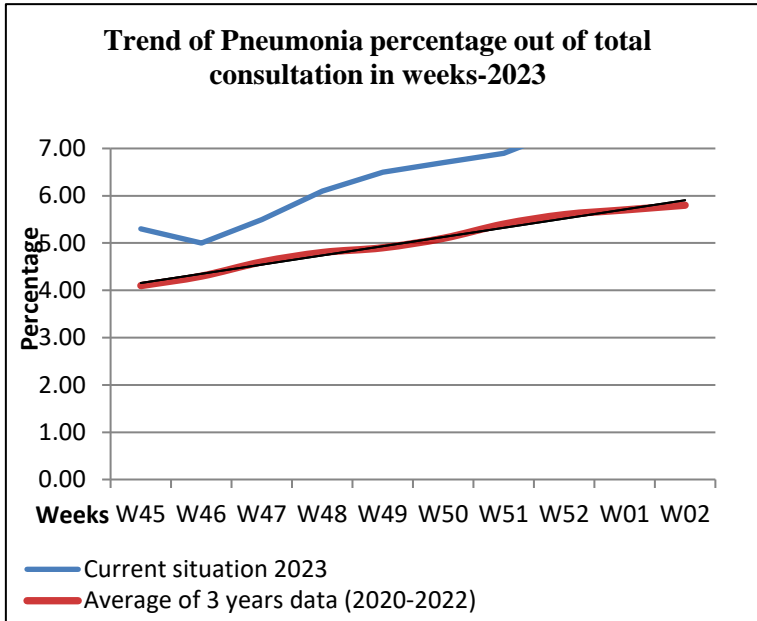


Figure 3: B

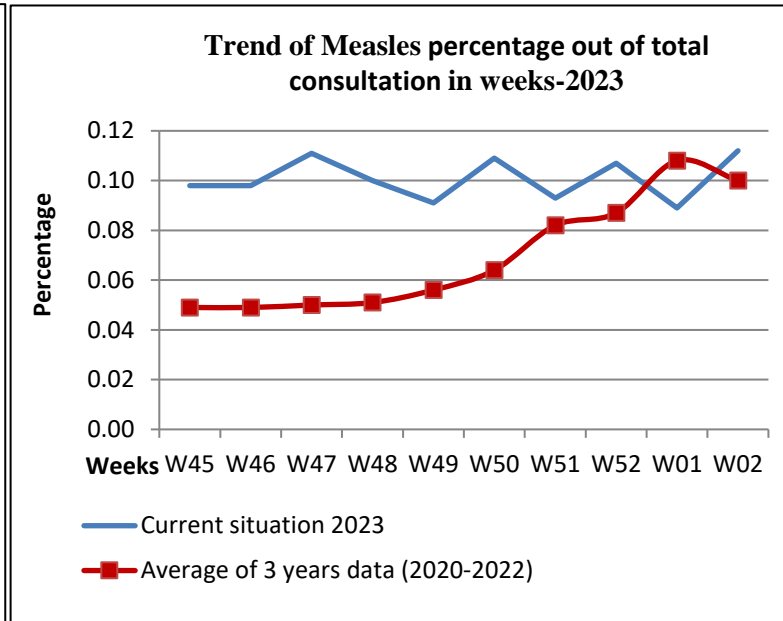


Figure 3: C

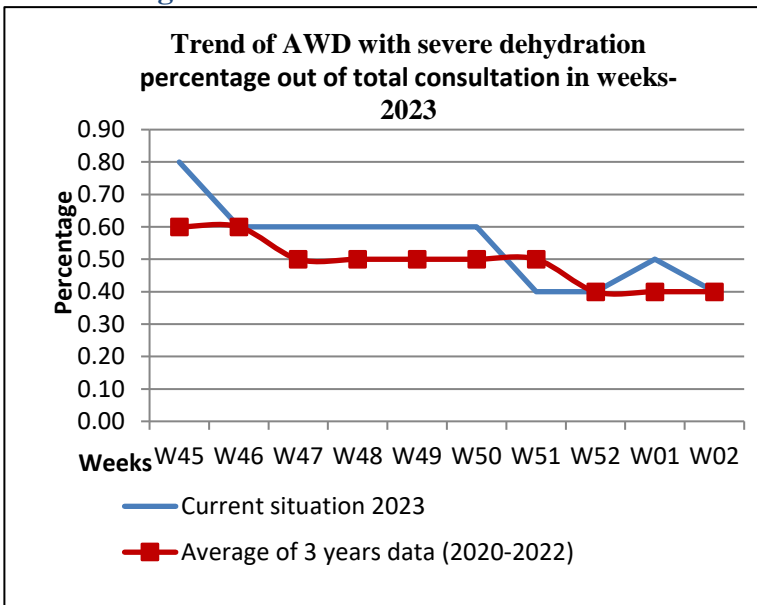


Figure 3: D

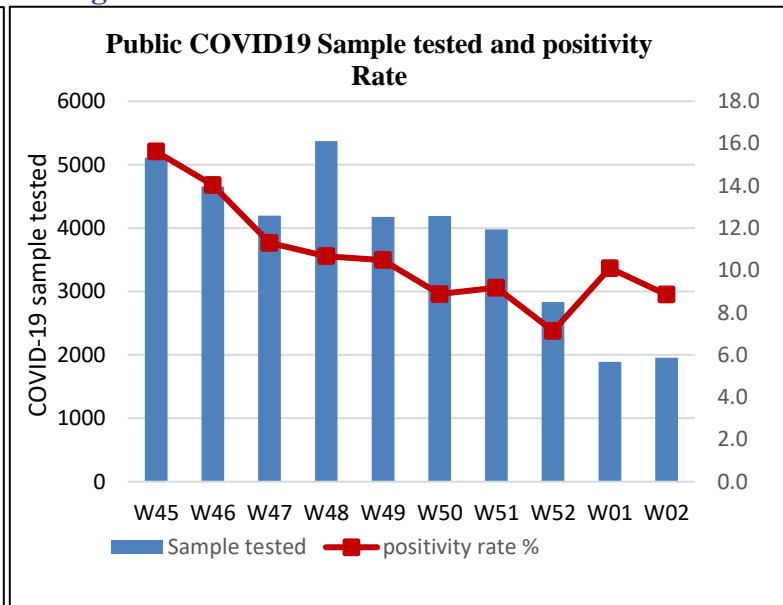


Table 3: Outbreaks in week 02nd 2023:

Suspected Measles outbreaks (Kapisa, Kandahar, Helmand, Nangahar and Wardak) provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
10/01/2023	Kapisa	Kohistan-1	Mirwali Khail	6	0	6	0	80%	60%	<p>In this week, 07 suspected Measles outbreaks were reported from Kapisa, Kandahar, Helmand, Nangahar and Wardak provinces.</p> <p>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.</p>
08/1/2023	Kandahar	Shah Walikot	Bori Garamam	4	9	12	0	75%	30%	
08/1/2023		Arghistan	Spin	2	3	5	0	80%	40%	
08/1/2023		Dand	Dehbagh	0	7	7	0	70%	40%	
10/1/2023	Helmand	Kajaki	Mazar Kali	6	5	11	0	60%	25%	
11/01/2023	Nangarhar	Achin	Doob And Raghzi Khogakhil	8	10	18	0	80%	60%	
10/01/2023	Wardak	Chak	Bahadar Khan	10	1	11	0	66%	75%	

Suspected Pneumonia outbreaks from (Ghor, Kandahar, Kunduz, Laghman , Takhar and Nangarhar) provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/01/2023	Ghor	Taywara	Zaiafghan	90	0	<p>During This Week 06 Suspected Pneumonia Outbreaks Were Reported from Ghor, Kandahar, Kunduz, Laghman, Takhar and Nangarhar</p>
13/01/2023	Kandahar	Panjwaie	Masoom Ghar	12	0	

09/01/2023	Kunduz	Kunduz	Different villages	81	0	Provinces, Case Management Was Done. Health Education Sessions Were Conducted for All the Cases.
08/01/2023	Laghman	Mehterlam	Mehterlam PH	54	0	
09/01/2023	Takhar	Dashti Qala	Different villages	21	0	
08/01/2022	Nangarhar	Sahinwar	Ghanikhil DH Catchment Area	72	0	

Suspected chickenpox outbreaks from (Herat Saripul and Wardak) provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
11/01/2023	Herat	Karukh	Sheydayi	20	0	During this week 03 suspected chickenpox outbreaks were reported from Herat, Saripul and Wardak Provinces, case management was done. Health education sessions were conducted for all the cases.
08/01/2023	Saripul	Saripul	Chmanalijan	210	0	
10/01/2023	Wardak	Said Abad	Otaree	11	0	

Suspected Mumps outbreaks from (Urozgan) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
08/01/2023	Urozgan	Tarinkot	Khiro Kariz	7	0	During this week 02 suspected Mumps outbreak was reported from Urozgan province, case management was done. Health education sessions were conducted for all the cases.
11/01/2023		Chinarto	Liwanian and Kariz villages	9	0	

Suspected Scabies outbreaks from (Wardak and Laghman) provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
10/01/2023	Wardak	Chak	Aab kazar Madrassah	119	0	During this week 02 suspected Scabies outbreaks were reported from Wardak and Laghman provinces, case management was done. Health education sessions were conducted for all the cases.
08/01/2023	Laghman	Mehterlam	Alikhil	155	0	

Suspected Pertussis outbreak from (Kapisa) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/01/2023	Kapisa	Nijrab	Mir Wali Khail	13	0	During this week 01 suspected Pertussis outbreak was reported from Kapisa province, case management was

						done. Health education session was conducted for all the cases.
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Suspected ARI Cough and Cold outbreak from (Badakhshan) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/01/2023	Badakhshan	Shuada	Abeeichasma And Arghanduk	24	0	During this week 01 suspected ARI Cough and Cold outbreak was reported from Badakhshan province, case management was done. Health education session was conducted for all the cases.

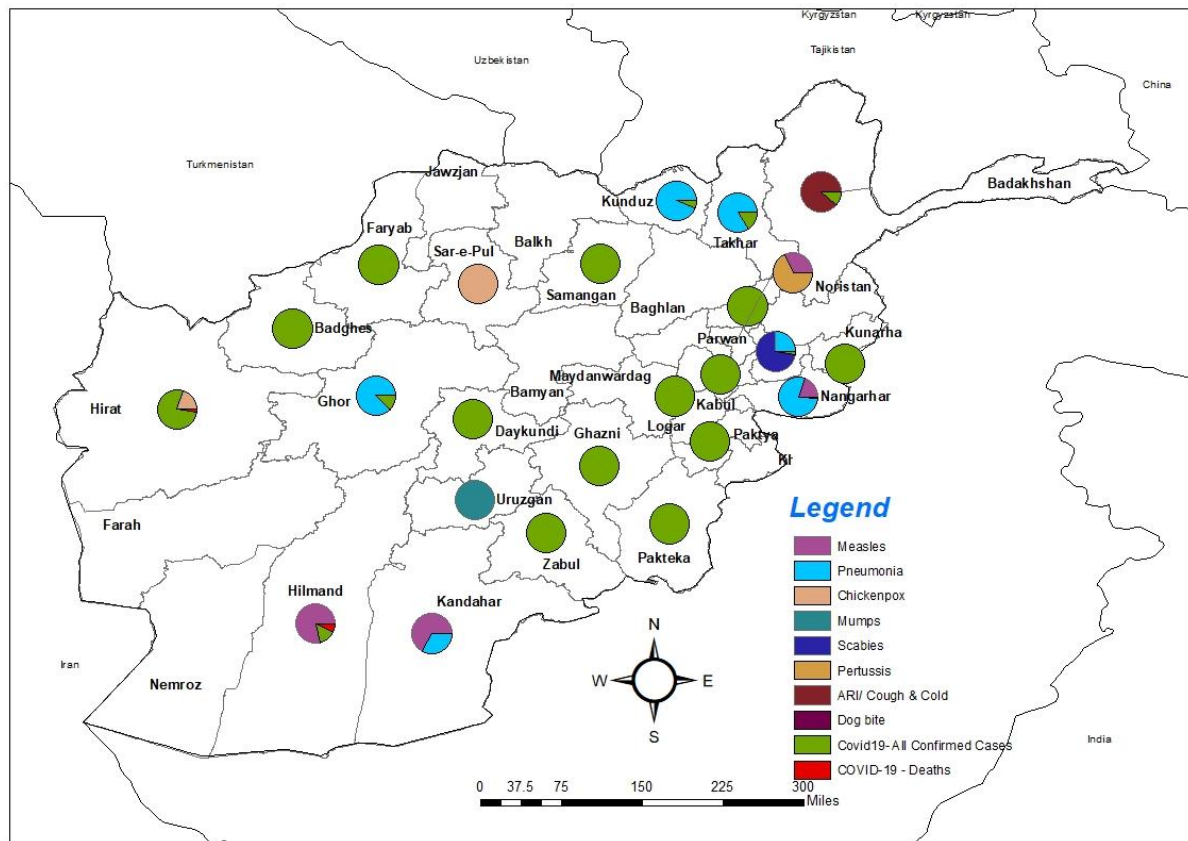
Dog bite outbreak from (Wardak) province

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
09/01/2023	Wardak	Dimerdad	Sado Khil	4	0	During this week 01 Dog bite outbreak was reported from Wardak 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 14 Jan 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	7	0	70	0
CCHF	0	0	0	0
Dog bites/Suspected Rabies	1	0	4	0
Pertussis	5	0	42	0
Acute Watery Diarrhea	0	0	0	0
Food Poisoning	0	0	0	0
Unknown Poisoning	0	0	0	0
Scabies	3	0	284	0
Chickenpox	5	0	264	0
Leishmaniosis	0	0	0	0
Cat bite suspected rabies	0	0	0	0
Mumps	2	0	16	0
Diphtheria	0	0	0	0
Pneumonia	10	0	557	0
ARI Cough and cold	1	0	24	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	368	7
Grand Total	34	1	1629	7

Figure 4: COVID-19, Suspected Measles, Suspected Pneumonia, Suspected Chickenpox, Suspected Mumps, Suspected Scabies, Suspected Pertussis, Suspected ARI cough and cold and dog bites cases and deaths during the week 02nd 2023



Laboratory surveillance:

A total of **2465** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **174** specimens were confirmed for COVID-19, **18** specimens were confirmed for **Dengue**, **10** specimens were confirmed for **Measles** and **07** specimens were confirmed for **Acute Viral Hepatitis** (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 2nd 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, 469 (8.9%) Severe Acute Respiratory Infections cases were reported and 71.6 % were under 5 years old. The proportion of SARI cases were slightly decreased compared to week 1st 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 Kapisa (49 %), Kabul (43 %), and Bamyan (20.2 %) 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, **1954** specimens were tested for suspected COVID-19. Out of which **174** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 8.9 % in this week, which decreased 1.35% compared to the previous week.
- Out of **174** confirmed cases, **591** contacts of **184** 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 **34,211** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Nangarhar, Herat, Kandahar and Nimroz).

Challenges:

- Measles cases are still a public health concern in the country, this week 706 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 six ARI Pneumonia outbreaks 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 **706** suspected Measles cases with 02 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.