

Summary:

- Out of **613** functional Surveillance sentinel sites, **601 (98%)** have submitted reports this week.
- A total of **616,096** new consultations, **266,369 (43.2%)** were due to Surveillance targeted diseases. That included **138,418 (52%)** males and **127,951 (48%)** females. Also, **116,276 (43.7%)** under five years old and **150,093 (56.3%)** five years old and over, reported this week.
- The main causes of consultations in this week were ARI Cough & Cold, **185,811 (30.2%)** cases out of total new consultations, Acute Diarrheal Diseases **30,078 (4.9%)** cases out of total new consultations, and Pneumonia **45,276 (7.3%)** cases out of total new consultations.
- A total of **317** deaths were reported this week, of which **125 (39.4%)** deaths were due to Surveillance targeted diseases, which include **112 Pneumonia** deaths, **08 COVID-19** deaths, **03 Suspected Measles** deaths, **01 Neonatal Tetanus** death, **01 Pregnancy-related** death.
- In addition, during this week **39 outbreaks were reported** (**16 suspected Measles** outbreaks were reported from **Farah, Ghazni, Helmand, Kandahar, Nangarhar, Paktya, Urozgan and Wardak** Provinces, **08 suspected ARI/Pneumonia** outbreaks were reported from **Badakhshan, Helmand, Laghman, Logar, Takhar, Wardak and Zabul** Provinces, **06 Dog bites /suspected Rabies** outbreaks were reported from **Helmand, Kapisa, Paktika and Takhar** Provinces, **03 Suspected Mumps** outbreaks were reported from **Herat, Kapisa and Takhar**, **02 suspected CCHF** outbreaks were reported from **Kabul and Logar** Provinces, **02 suspected chickenpox** outbreaks were reported from **Parwan and Takhar**, **01 suspected Clinical Scabies** outbreak was reported from **Paktya** Province and **01 suspected Pertussis** outbreak was reported from **Kapisa** Province).
- Moreover, **288 COVID-19** confirmed cases and **877 suspected Measles** cases and 03 suspected Measles deaths were reported at national level.

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

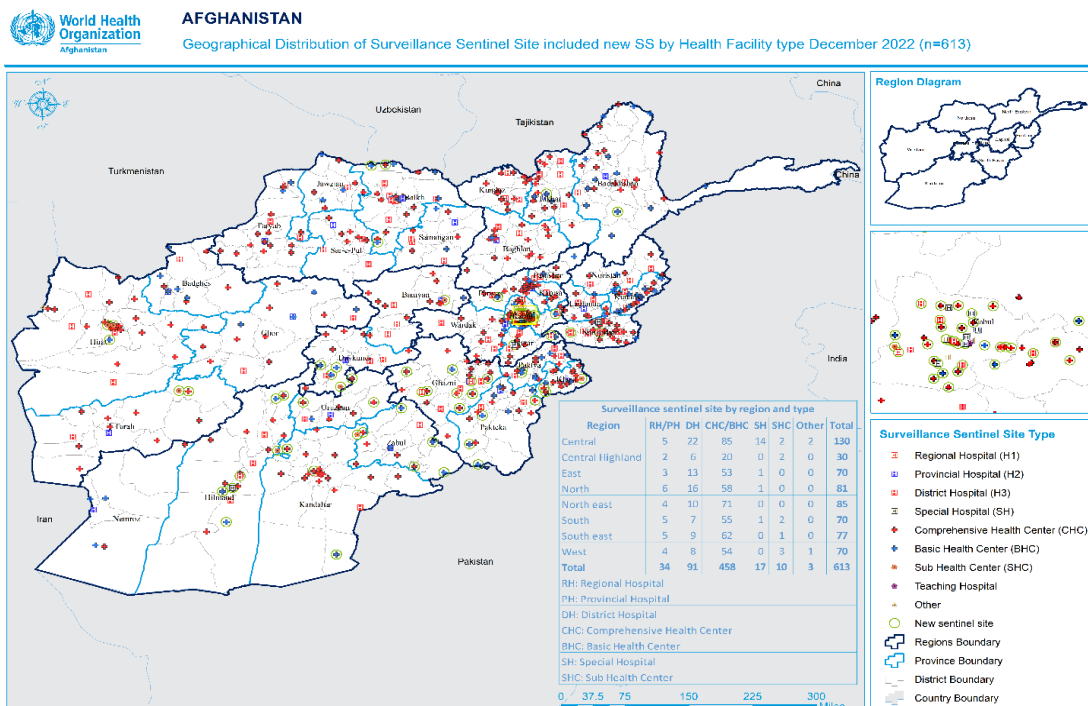


Table 1: Coverage of NDSR Surveillance System

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

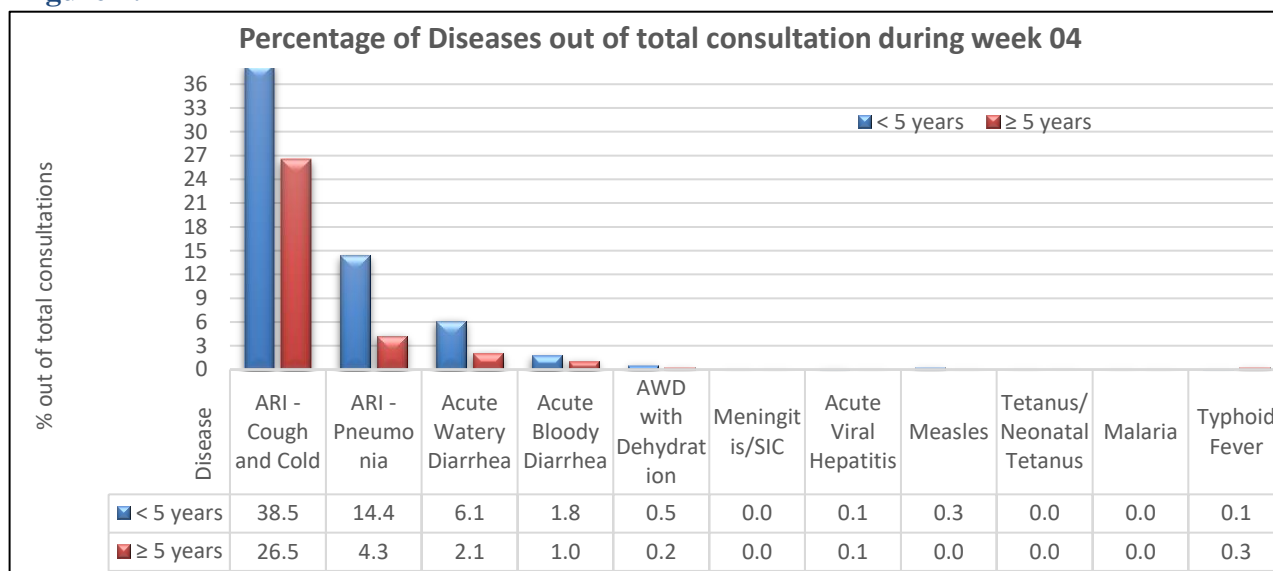


Figure 2: B

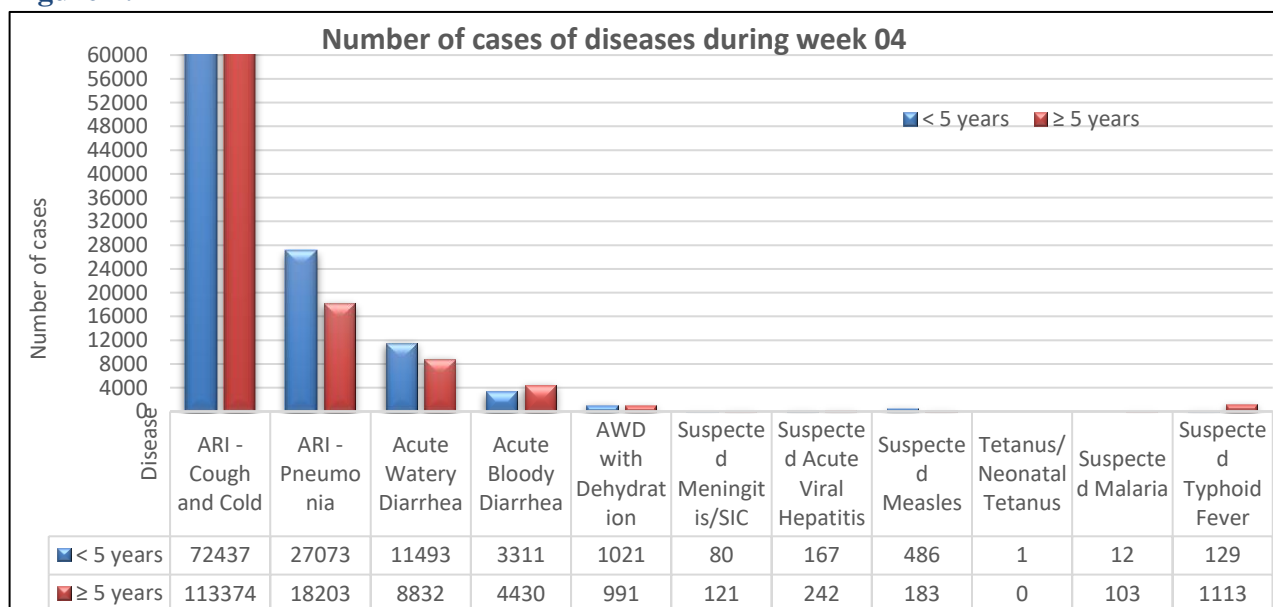


Table 2: Cases and deaths due to VPDs by age group during week 04th 2023

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	489	186	675	3	0	3	0.44
Suspected Pertussis	2	1	3	0	0	0	0.00

Seasonal Diseases:

Figure 3: A

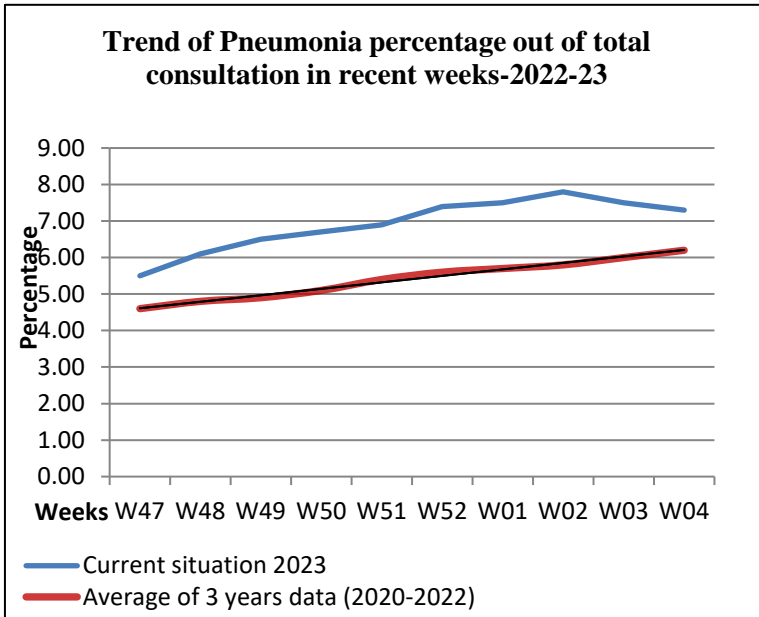


Figure 3: B

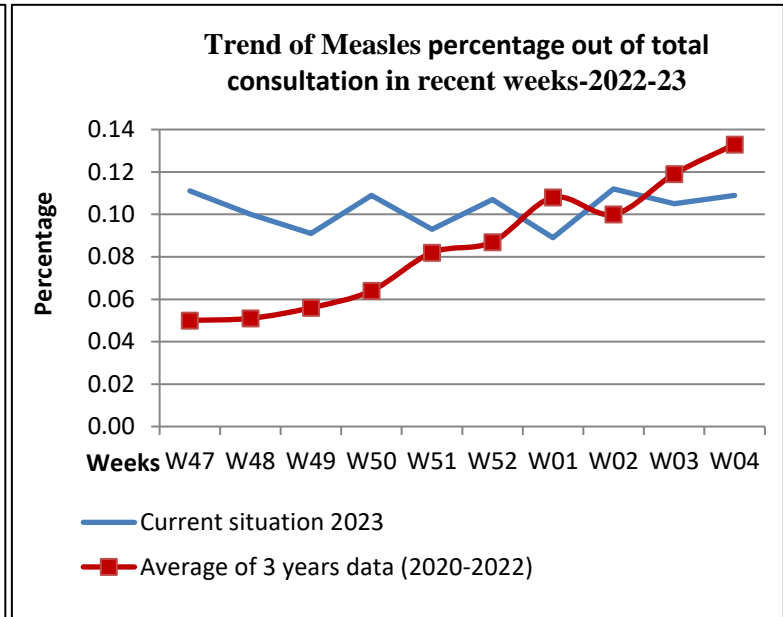


Figure 3: C

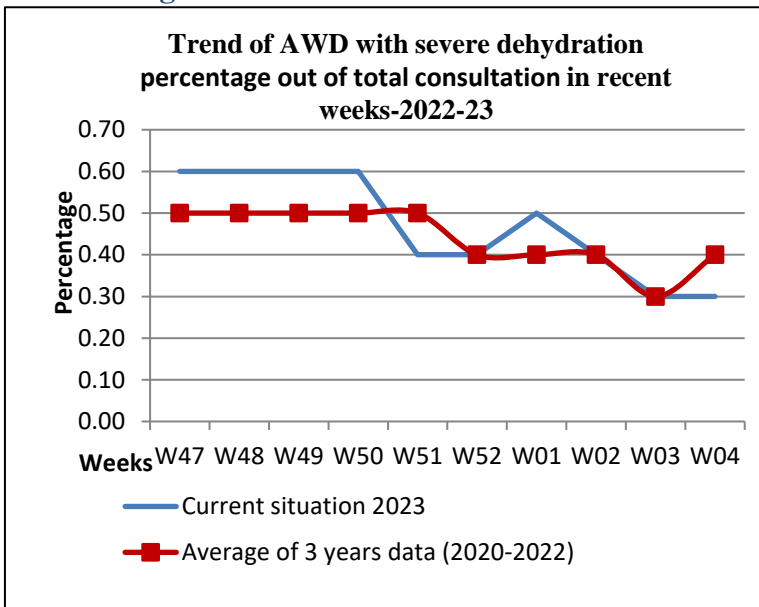


Figure 3: D

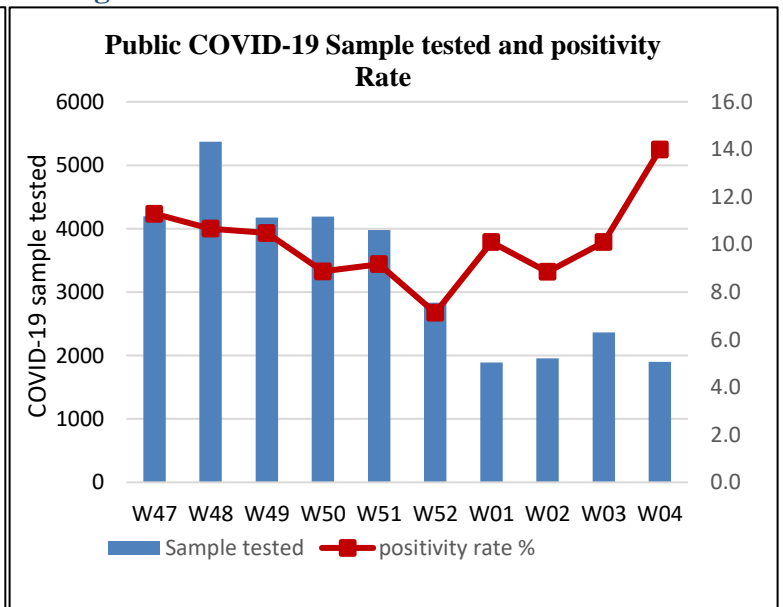


Table 3: Outbreaks in week 04th 2023:

Suspected Measles outbreaks from Farah, Ghazni, Helmand, Kandahar, Nangarhar, Paktya, Urozgan and Wardak provinces										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
21/1/2023	Farah	Khake E Safid	Gulshan Abat	14	10	24	0	0	0	In this week, 16 suspected Measles outbreaks were reported from Farah, Ghazni, Helmand, Kandahar, Nangarhar, Paktya, Urozgan and Wardak provinces.
24/1/2-23	Ghazni	Gellan	Mastan	19	11	30	0	NA	NA	
22/1/2023	Helmand	Baghran	Dewani Kali	10	0	10	0	NA	17%	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.
22/01/2023		Nadali	Noor Moh Kali	6	4	10	0	NA	25%	
22/01/2023		Nadali	Mataki Dashta	5	5	10	0	NA	14%	
22/01/2023		Nadali	Zarghon Kali/Washir yano	7	2	9	0	NA	19%	
23/01/2023		Nadali	Shin And Zarghon Kali	16	4	20	0	NA	26%	
24/01/2023		Marjha	6-E Haji Niaz Mohammad Masjad	2	8	10	0	NA	17%	

24/1/2023		Grishk	Gul Khan Aka Kali	4	6	10	0	NA	24%
25/01/2023	Kandahar	Boldak	Spin Gombata	4	1	5	0	NA	66%
25/01/2023	Nangarhar	Sorkhroad	Haji Baba	5	2	7	0	Unknown	80%
27/01/2023		Nazian	Nuso Tangi	0	10	10	0	Unknown	30%
23/1/2023	Paktya	Gardez	Baland Manzal Village	7	4	11	0	N/A	75%
22/1/2023	Urozgan	Khas Urozgan	Boom And Songo	3	4	7	0	NA	30%
26/1/2023		Dehrawood	Tangi Totak	11	8	19	0	40%	20%
23/1/2023	Wardak	Said Abad	Tarakhil	7	3	10	0	NA	70

Suspected Pneumonia outbreaks from Badakhshan, Helmand, Laghman, Logar, Takhar, Wardak and Zabul provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
22/1/2023	Badadkhshan	Wakhan	Pamir Kalan	28	4	During This Week 08 Suspected Pneumonia Outbreaks Were Reported from Badakhshan, Helmand, Laghman, Logar, Takhar, Wardak and Zabul Provinces , Case Management Was Done. Health Education
22/1/2023	Helmand	Lashkarga City	Lashkarga	12	0	
23/01/2023		Lashkarga City	Lashkarga	22	0	

22/1/2023	Laghman	Alingar	Alingar DH	28	0	Sessions were Conducted for All the Cases.
22/01/2023	Logar	Puli Alam	Babus	13	0	
23/01/2023	Takhar	Taluqan	Different Village	28	0	
24/01/2023	Wardak	Jalrez	Dewalan Madrasah	20	0	
26/01/2023	Zabul	Mizan	Trwo Shila	12	0	

Dog bites/suspected Rabies outbreaks from Helmand, Kapisa, Paktika and Takhar provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
22/01/2023	Helmand	Khanashin	Bagat	16	0	During this week 06 suspected Rabies outbreaks were reported from Helmand, Kapisa, Paktika and Takhar provinces , case management was done. Health education sessions were conducted for all the cases.
25/01/2023		Grishk	Qala E- Qaz	23	0	
27/01/2023	Kapisa	Alasay	Eshpay	6	0	
26/01/2023	Paktika	Yousuf Khel	Mest	8	0	
26/01/2023		Yousuf Khel	Mest	8	0	
22/01/2023	Takhar	Baharak	Baharak City	4	0	

Suspected Mumps outbreaks from Herat, Kapisa and Takhar provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
28/01/2023	Herat	Adraskan	Kalowcha	20	0	During this week 03 suspected Mumps outbreaks were reported from Herat, Kapisa and Takhar provinces, case management was done. Health education sessions were conducted for all the cases.
25/01/2023	Kapisa	Nijrab	Zenda Ghain	6	0	
23/01/2023	Takhar	Taluqan	Proja Sharqi	5	0	

Suspected CCHF outbreaks from Kabul and Logar provinces

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
23/01/2023	Kabul	District 5	Dewan Baigi	1	0	During this week 02 suspected CCHF outbreaks were reported from Kabul and Logar provinces, case management was done. Health education sessions were conducted for all the cases.
22/01/2023	Logar	Mohammad Agha	Safid Sang	1	0	

Suspected chickenpox outbreaks from Parwan and Takhar provinces						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
22/01/2023	Parwan	Said Khail	Aaqdash	14	0	During this week 02 suspected chickenpox outbreaks were reported from Parwan and Takhar Provinces, case management was done. Health education sessions were conducted for all the cases.
22/01/2023	Takhar	Taluqan	Nahri Chaman	7	0	

Clinical Scabies outbreak from Paktya province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
24/01/2023	Paktya	Sayidkaram	Karez Village	53	0	During this week 01 Clinical Scabies outbreak was reported from Paktya province, case management was done. Health education session was conducted for all the cases.

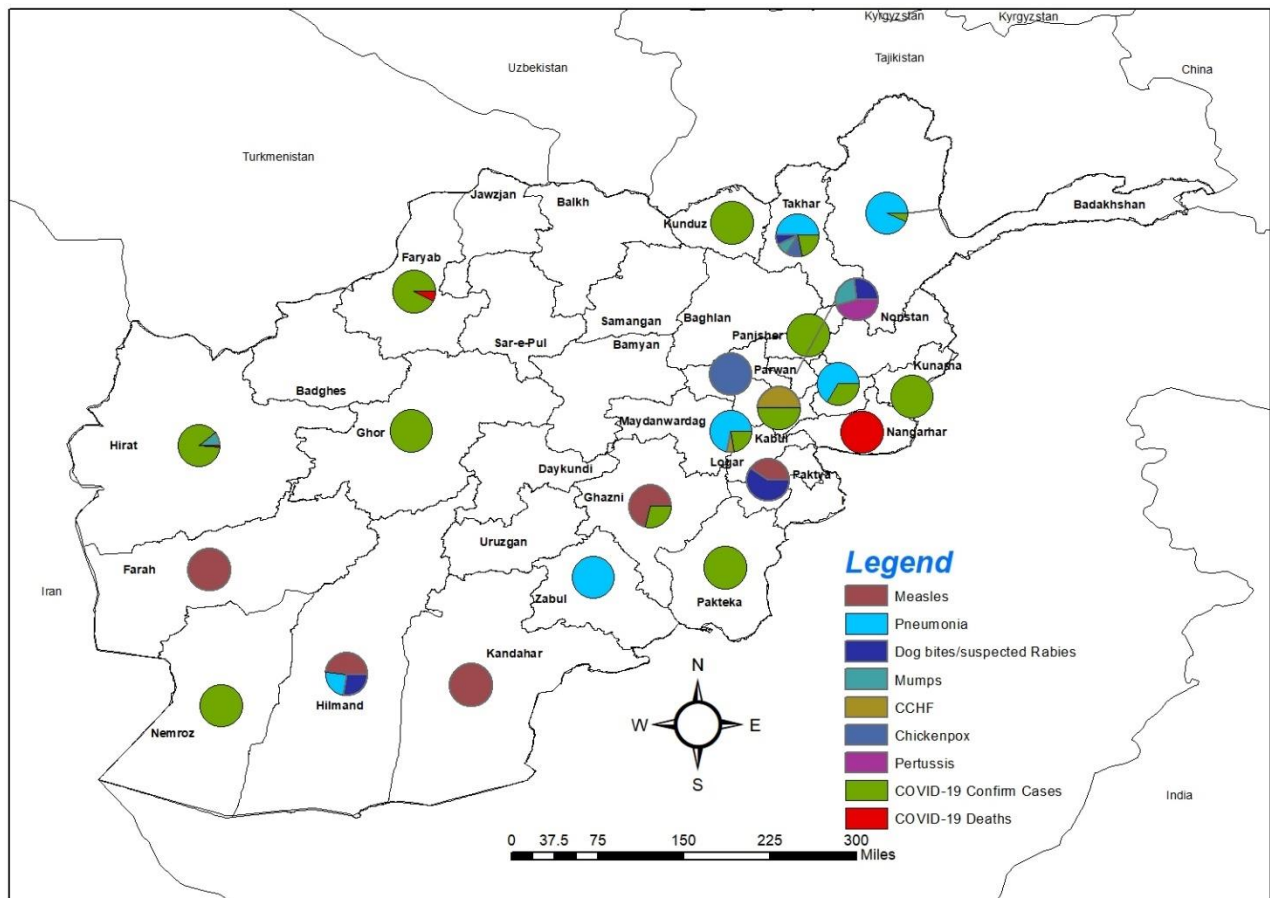
Suspected Pertussis outbreak from Kapisa province						
Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
24/01/2023	Kapisa	Nijrab	Kado Khail	10	0	During this week 01 suspected Pertussis outbreak was reported from Kapisa province, case management was done. Health education session was conducted for all the cases.

Table 4: Updated outbreaks report during 2023 (01 Jan 2023 to 28 Jan 2023)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	31	18	355	0
CCHF	4	0	4	0
Dog bites/Suspected Rabies	10	0	87	0
Pertussis	6	0	52	0
Acute Watery Diarrhea	0	0	0	0
Food Poisoning	0	0	0	0
Unknown Poisoning	0	0	0	0
Scabies	5	0	343	0
Chickenpox	8	0	291	0
Leishmaniosis	0	0	0	0
Cat bite suspected rabies	0	0	0	0
Mumps	6	0	71	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	0	0	0	0
Confirmed Malaria	0	0	0	0
Acute Viral Hepatitis_(AVH)	0	0	0	0
COVID-19	1	1	896	30
Grand Total	95	19	3016	32

Figure 4: COVID-19, Suspected Measles, Suspected Pneumonia, Dog bites/ suspected Mumps, Suspected CCHF, Suspected Chickenpox, Suspected Pertussis cases, Suspected Mumps and deaths during the week 04th 2023



Laboratory surveillance:

A total of **2220** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **267** specimens were confirmed for COVID-19, **50** specimens were confirmed for **Acute Viral Hepatitis**, **07** specimens were confirmed for **Measles**, **02** specimens were confirmed for **Influenza**, **02** specimens were confirmed for SARI and **01** specimens were confirmed for Brucellosis. (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 4th 2023, we have received Epidemiological reports from 09 out of 09 sentinel sites. (Kabul, Kandahar, Balkh, Herat, Bamyān, Baghlan, Nangarhar, Kapisa and Paktya). Out of all new hospital admissions, 348 (6.4%) Severe Acute Respiratory Infections cases were reported and 71% were under 5 years old. The proportion of SARI cases were slightly decreased compared to week 3rd 2023. 07 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 (53.8 %), Kabul (44 %), and Bamyān (19.8 %) 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, **2359** specimens were tested for suspected COVID-19. Out of which **288** specimens were confirmed for COVID-19 by RT-PCR.

- COVID-19 case positivity rate was 12.2 % in this week, which increased 2.06% compared to the previous week.
- Out of **267** confirmed cases, **742** contacts of **288** 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 **28,138** passengers have been screened for COVID-19 at the points of entry of five provinces (Balkh, Herat, Kandahar and Nimroz).

Challenges:

- COVID-19 case positivity rate increased this week and had 08 deaths
- Measles cases are still a public health concern in the country, this week **877** 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 08 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 **877** 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.