

National Disease Surveillance & Response (NDSR)

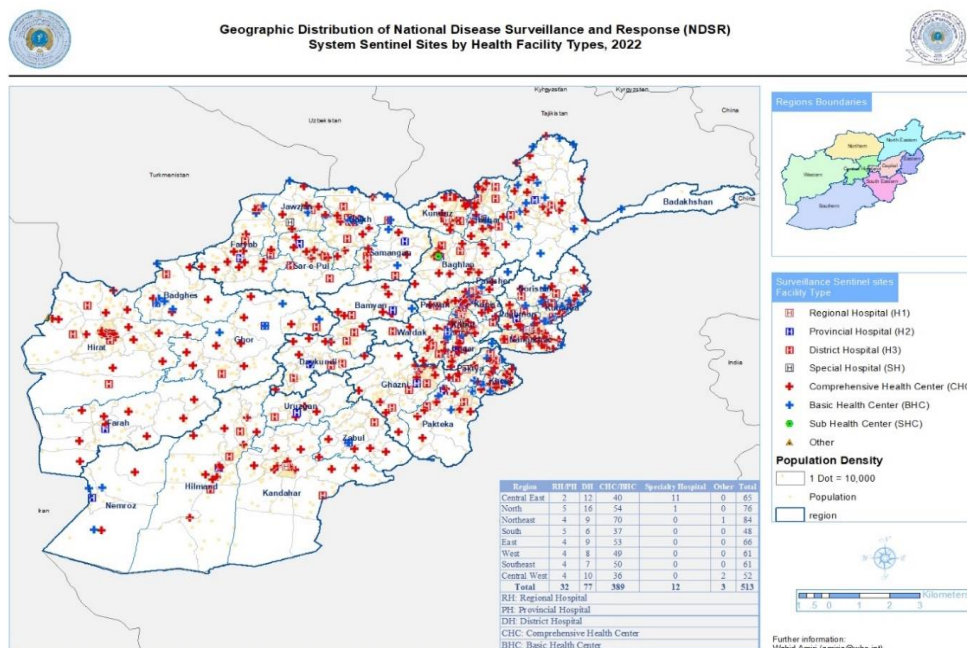
NDSR Weekly Epidemiological Report 14<sup>th</sup>

Date: 03-09/04/2022

Summary:

- Out of 519 functional Surveillance sentinel sites, 487 (93.8%) have submitted reports this week.
- A total of 484,847 new consultations, 187,117 (38.6%) were due to Surveillance targeted diseases. That included 99,702 males (53.3%) and 87,415 females (46.7%). Also, 93,768 (49.9%) under five years old and 93,349 (49.9%) five years old and over, reported this week.
- The main causes of consultations this week were ARI Cough & Cold, 109,136 cases (22.5%) out of total new consultations, Acute Diarrheal Diseases 46,473 cases (9.3%) out of total new consultations and Pneumonia, 22,820 cases (4.7%) out of total new consultations.
- A total of 195 deaths were reported this week, of which 60 deaths (30.8 %) were due to Surveillance targeted diseases deaths, which includes 33 Pneumonia deaths, 20 suspected Measles deaths, 04 Suspected Meningitis/ Severely Ill Child deaths, 01 Acute Watery Diarrhea (AWD) with Dehydration death, 01 Tetanus/ Neonatal tetanus death, 01 Pregnancy-related death.
- A total of **3,614** Measles suspected cases with **20** deaths were reported in this week.
- In addition, during this week 21 outbreaks ( 13 Measles outbreaks were reported from Kabul, Baghlan, Nimroz, Kandahar, Paktika, Khost, Kunar, Nuristan, Nangarhar, Jawzjan, and Farah provinces) (05 CCHF outbreaks were reported from Kabul, Ghazni, Takhar, Kandahar provinces , 01 Leishamianiasis outbreak was reported from Nangarhar province and 02 Pertussis outbreaks were reported from Paktika and Kapisa provinces.
- Moreover, **327** COVID-19 confirmed cases reported at national level.

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



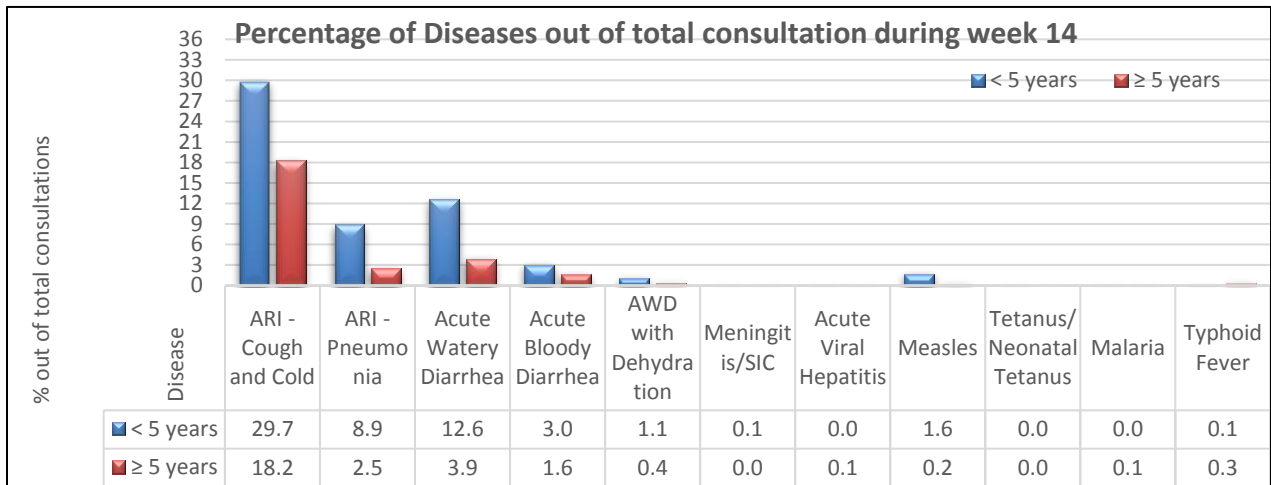
**Table 1: Coverage of NDSR Surveillance System Sentinel Sites**

Type of Health Facility	RH	PH	DH	CHC	BHC	NH/ Special Hospital	SHC	Other	Total
<b>Total Health Facilities (HF)</b>	8	27	91	437	900	36	1,106	2,093	4,698
<b>HF covered by NDSR-Plus</b>	6	25	80	310	80	13	1	4	519

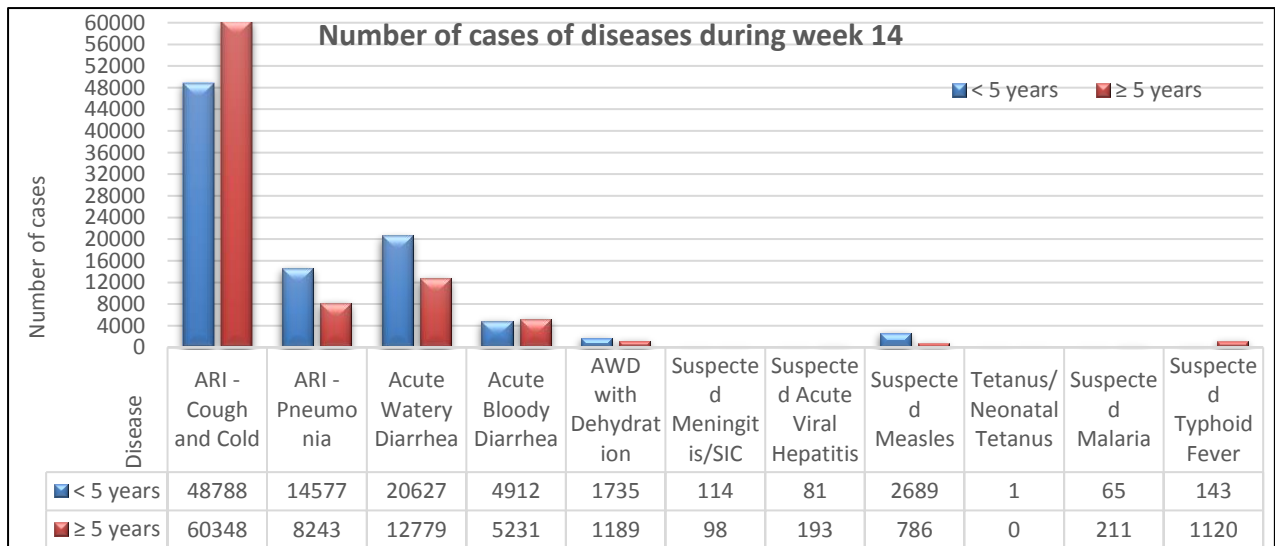
**Indicator – based Surveillance (IBS):**

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**

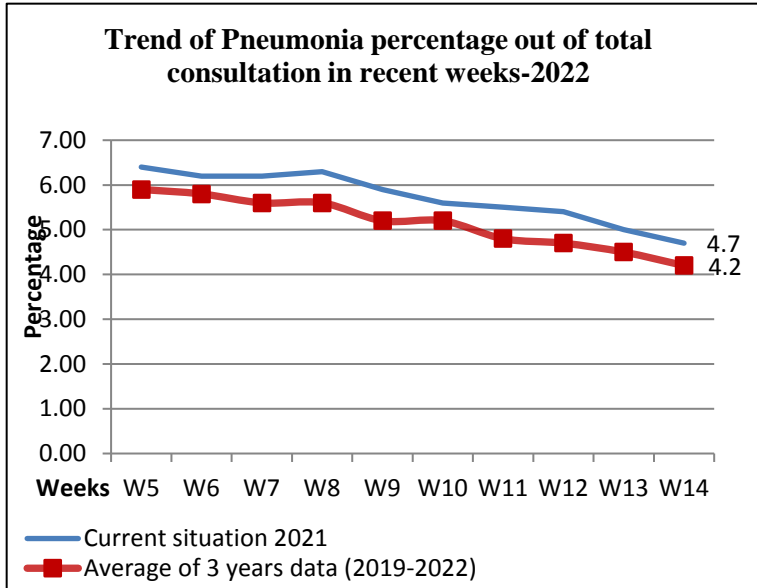


**Table 2: Cases and deaths due to VPDs by age group during week 14<sup>th</sup>, 2022**

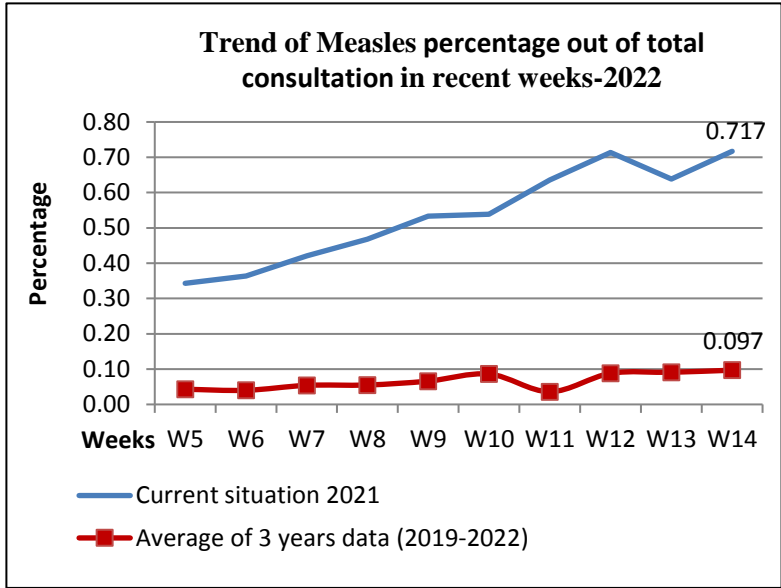
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	2689	786	3475	18	0	18	0.52

**Seasonal Diseases:**

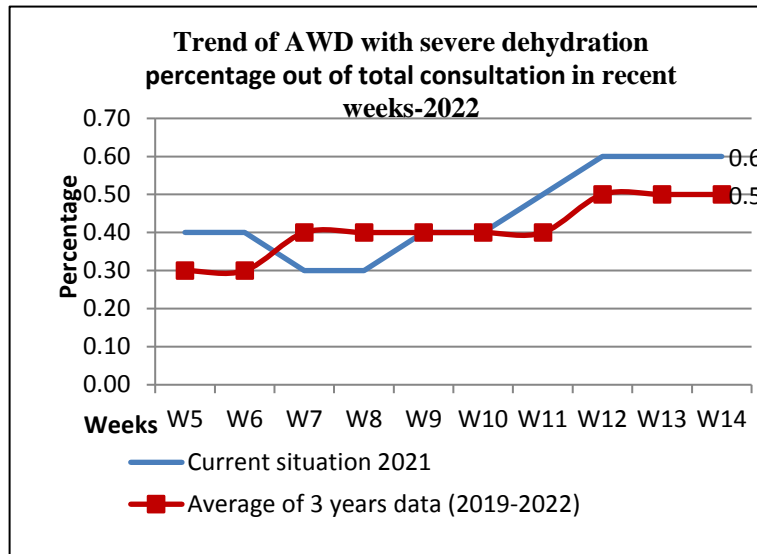
**Figure 3: A**



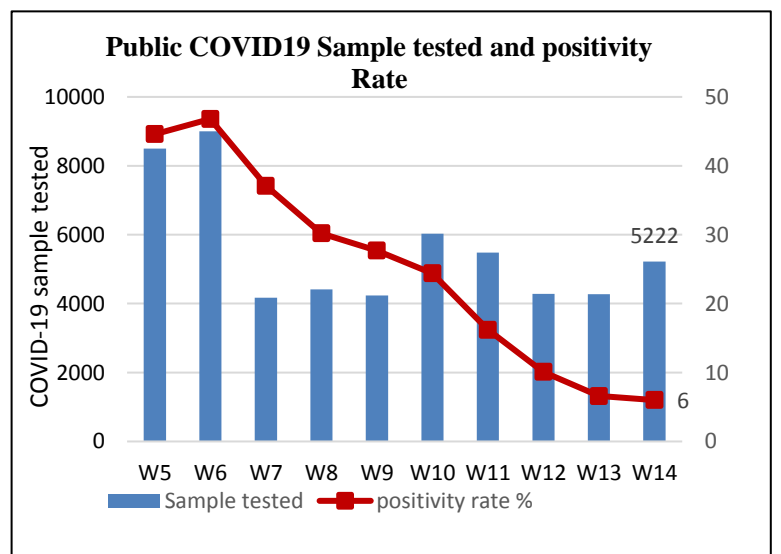
**Figure 3: B**



**Figure 3: C**



**Figure 3: D**



**Table 3: Outbreaks in week 14<sup>th</sup>:**

<b>Suspected Measles outbreaks ( from Kabul, Baghlan, Nimroz, Kandahar, Paktika, Khost, Kunar, Nuristan, Nangarhar, Jawzjan, and Farah provinces )</b>										
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage		Recommendation/Action taken
								Reported	Assessed	
08/04/2022	Kabul	Kabul	Sarah Darah Sarobi	6	0	6	0	0%	0%	In this week, 13n suspected Measles outbreaks were reported from Kabul, Baghlan, Nimroz, Kandahar, Paktika, Khost, Kunar, Nuristan, Nangarhar, Jawzjan, and Farah provinces. The outbreaks were investigated, case management was done for all the outbreaks and cases. Also, health education sessions were conducted. Vaccination of children in the surrounding villages of the affected area is going on. Follow up reports will be shared.
05/04/2022	Baghlan	khost	Khosh Dara	8	0	8	0	NA	90%	
04/04/2022	Nimroz	Khashrod	Shams Abad	3	2	5	0	80%	60%	
05/04/2022	Kandahar	KDH City	Janan	7	0	7	0	90%	90%	
06/04/2022		Arghistan	Loie Deh	3	5	8	0	70%	31%	
04/04/2022	Paktika	Sharan	Jabar khil	4	3	7	0	80%	40%	
06/04/2022	Khost	Maton	Mani	0	5	5	0	70%	38%	
05/04/2022	kunar	narang	Sheerabad	10	1	11	0	90%	85%	
03/04/2022	Nuristan	Want waiygal	Waiygal	23	8	31	2	90%	70%	
05/04/2022	Nangarhar	Sorkhroa d	Koz Shikhmeri	10	6	16	0	90%	80%	
03/04/2022	Jawzjan	Sheberghan	Hamid abad	3	3	6	0	84%	43%	
05/04/2022	Farah	Khake Safid	Renj	8	7	15	0	70%	0%	
06/04/2022		Balablok	Qala Nasrullah	9	5	14	0	70%	0%	

**Suspected CCHF cases from ( Kabul, Ghazni, Takhar, Kandahar provinces)**

Reported dated	Province	District	Village	Total cases	Age	Recommendation/Action take
6/4/2022	Kabul	Bagrami	Naw Abad	1	43	During this week, 05-suspected CCHF cases were reported from Kabul, Ghazni, Takhar, Kandahar provinces. Case management was done, health education sessions were conducted and the information was shared with related departments and animal health as well, to take the control and preventive measures.
6/4/2022		District 5	Company	1	22	
6/4/2022	Takhar	Centre	Centre	1	40	
6/4/2022	Ghazni	Centre	Centre	1	20	
6/4/2022	Kandahar	KDH City	Dakhowaja	1	30	

**Suspected Pertussis outbreaks from ( Paktika and Kapisa provinces)**

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
6/4/2022	Paktika	Sharan	Azmat	3	0	During this week 02 suspected Pertussis outbreaks were reported from Paktika and Kapisa provinces. Case management was done, health education sessions were conducted.
6/4/2022	Kapisa	Center	Qlandarkhil	2	0	

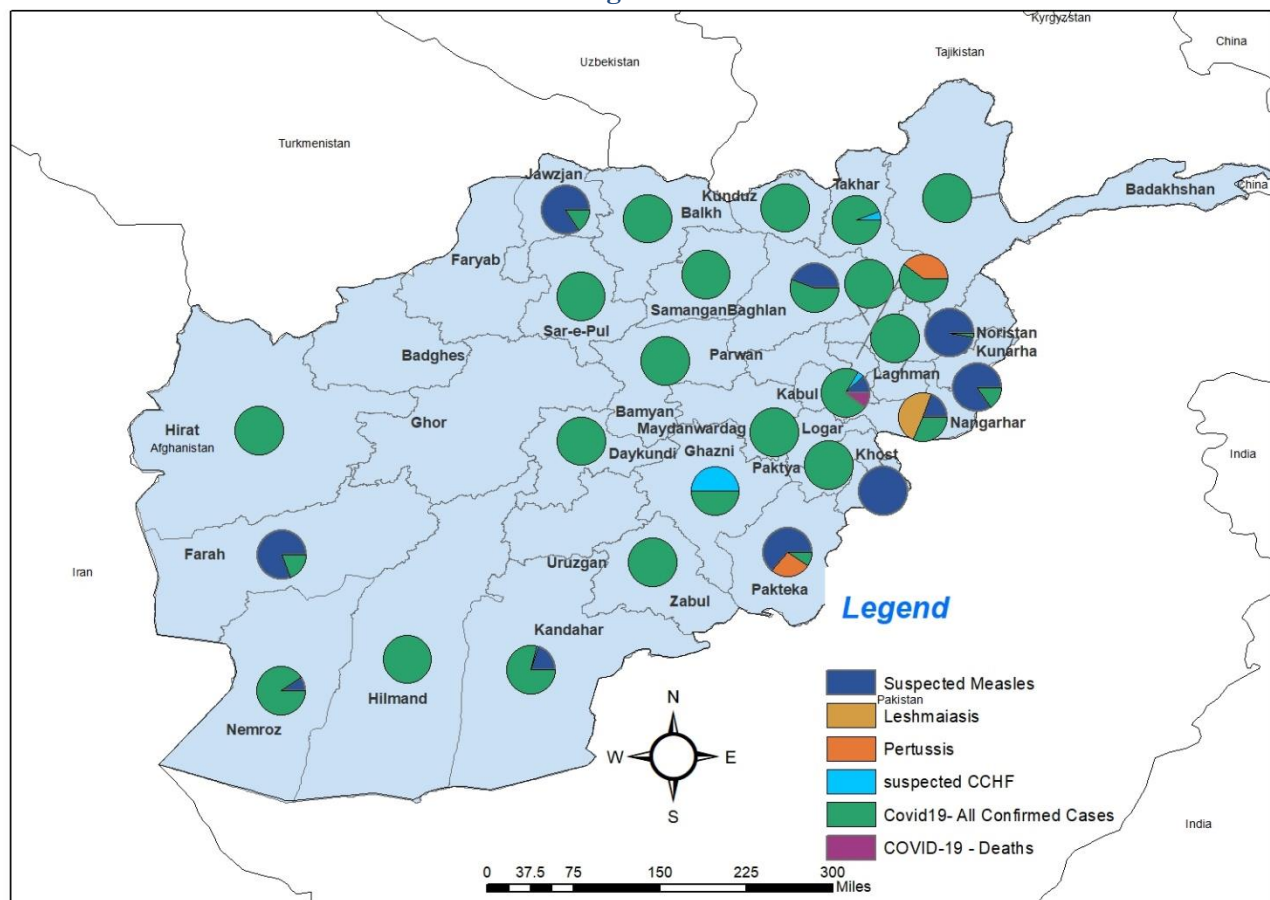
**Clinical Leishmaniasis outbreak from ( Nangarhar province)**

Reported dated	Province	District	Village	Total cases	Total deaths	Recommendation/Action take
6/4/2022	Nangarhar	Khogiani	Shnah wonah	41	0	During this week 01 Leishmaniasis outbreak was reported from Nangarhar province. Case management was done, health education sessions was conducted.

**Table 4: Updates on the outbreaks reported during 2021 (26 Dec 2021 to 09, April, 2022)**

Disease/Event	Disease/Event	Lab_Confirm	Total Cases	Total Deaths
Measles	165	55	2488	98
CCHF	10	1	10	1
Dog bites/Suspected Rabies	5	0	25	0
Food poisoning	3	0	71	2
COVID-19	1	1	19707	406
Pertussis	3	0	9	0
Scabies	3	0	56	0
Pneumonia	1	0	25	0
Chickenpox	1	0	1	0
Diphtheria	1	0	1	0
Leishmaniasis	1	0	41	0
Acute Watery Diarrhea	1	1	291	0
<b>Grand Total</b>	<b>195</b>	<b>58</b>	<b>22725</b>	<b>507</b>

**Figure 4: Distributions of COVID-19, Measles, CCHF, Pertussis and Leishmaniasis cases and deaths during week 14<sup>th</sup>**



**Laboratory surveillance:**

A total of 7,603 specimens were collected and shipped to CPHL and other regional laboratories. Out of which 327 specimens were confirmed for COVID-19 and 52 specimens were confirmed for Measles, 01 specimen confirmed for CCHF and 02 specimens confirmed for Brucellosis and 01 specimen confirmed for SARI in this week. (Follow up by the CPHL is going on).

**Influenza Surveillance activities:**

In Epidemiological week 14<sup>th</sup> 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, 171 (5%) Severe Acute Respiratory Infections cases were reported and 58% were under 5 years old. The proportion of SARI cases were decreased compared to week 13<sup>th</sup> 2022. Nine SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were from Kapisa (39%) and Baghlan (14%) provinces. In this epi-week, our field staff shipped 27 SARI and 18 ILI specimens to the National Influenza Center (NIC).

**COVID-19 Surveillance activities:**

In this week, 6,650 specimens were tested for suspected COVID-19. Out of which 327 specimens were confirmed for COVID-19 by rtPCR. The cases have been managed either in the isolation wards or in home quarantine.

- COVID-19 cases were increased **13.1 %** compared to last week, (in majority of the provinces we had testing kits shortage in this week).
- Bed occupancy rate (BOR) at the national level was **42.3 %**, which decreased 3 % compared to last week.
- Out of **676** contacts of **266** confirmed cases 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 **65,486** passengers have been screened for COVID-19 in the points of entry of four provinces (Herat, Kandahar, Nangarhar and Nimroz).

#### Challenges:

- Weak understanding of the BPHS and EPHS implementer NGOs on the implementation of diseases surveillance, although we shared the agreed surveillance SoP with them around two months back.
- Suspected Measles cases and outbreaks are in the increasing trend (in this week **3,614** measles cases and 20 deaths were reported).
- No mandatory reporting of Measles and other priority diseases and outbreaks from all the health facilities (public and private)
- Shortage of lab samples collection consumables and testing kits in majority of the provinces have strongly decreased the number of tests.

#### Recommendations:

- A half day workshop for the NGOs managers and the technical officers is highly recommended to be invited through MoPH
- Measles vaccination campaigns are needed to be conducted based on the outbreaks reported and also the routine vaccination coverage need to be improved
- Measles and all surveillance priority diseases outbreaks should be reported by all health facilities including private HFs
- Urgent supply of lab sample collection and testing kits for COVID-19 is recommended and lab testing capacity needs to be strengthened and expanded to all the provinces.
  - **EPI:** As the system detected **3,614** suspected Measles cases, with **20** deaths due to measles, 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.