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Monitoring Evaluation & Health Information System GD

وزارت صحت عامه

Diseases Surveillance Department

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ریاست عمومی نظارت ارزیابی و سیستم معلومات صحی

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National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report 45th

Date: 07-13 Nov, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 495 (96.5%) have submitted reports this week.
- A total of 433,259 new consultations, 171,842(39.6 %) were due to Surveillance targeted diseases. That included 91,442 males (53. 2%) and 80,400 females (46. 8%). Also 81,154 (47.2 %) under five years old and 90,688 (52.8%) five and over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 108,333 cases, (25%) out of total new consultations, Acute Diarrheal Diseases 37,637 cases (8.7%) out of total new consultations and Pneumonia, 20,072 cases (4.6%) out of total new consultations.
- A total of 187 deaths were reported this week, of which 58 were due to Surveillance targeted diseases, which includes 06 COVID-19 deaths, 39 Pneumonia deaths, 06 Acute Diarrheal Diseases deaths, 03 suspected Meningitis/Severely Ill Child deaths, 02 suspected Measles deaths, 01 Pertussis death and 01 pregnancy-related death.
- A total of 567 Measles suspected cases (516 IBS and 51 EBS) with 02 deaths were reported in this week.
- During this week, 205 AWD hospitalized new cases epi-linked with Kabul province AWD outbreak were reported.
- Also, 61 Dengue fever new suspected cases epi-linked with Nangarhar province outbreak were reported
- In addition, during this week 08 outbreaks were reported (06 outbreaks of Measles were reported from Badghis, Kunduz, Helmand, Kandahar and Khost provinces, one suspected CCHF case was reported from Helmand province and one pertussis outbreak was reported from Nuristan province).
- Moreover, 257 COVID-19 confirmed cases reported at national level.

Figure1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2021

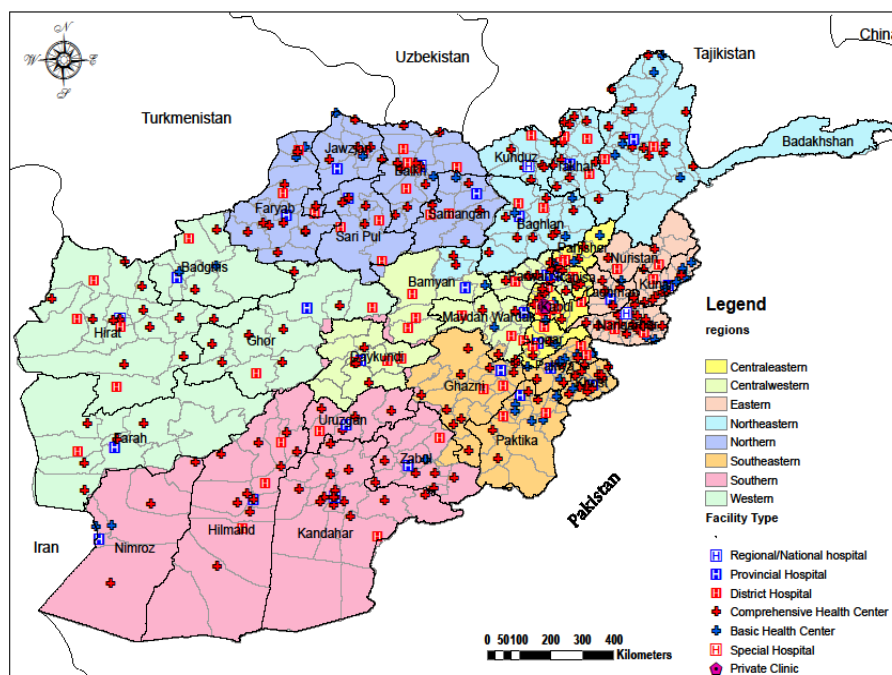


Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Special Hospital	Other	Total
Total Health Facilities (HF)	37	88	1,315	32	1171	2,643
HF covered by NDSR-Plus	32	77	389	12	3	513

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.

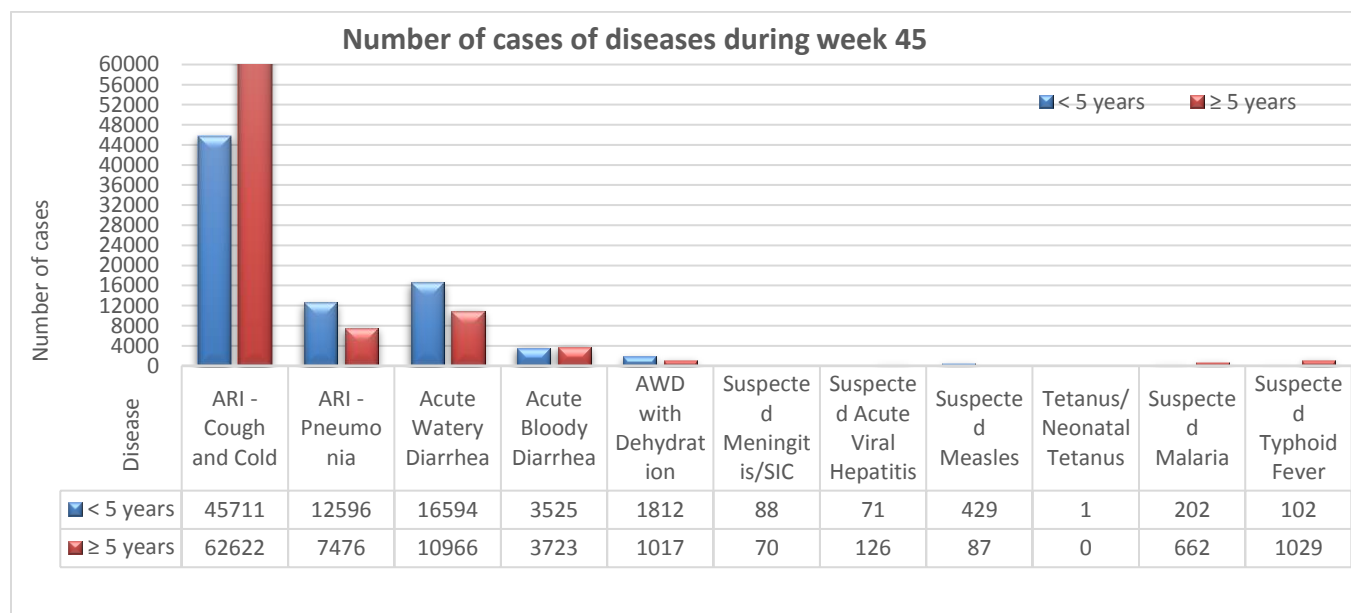
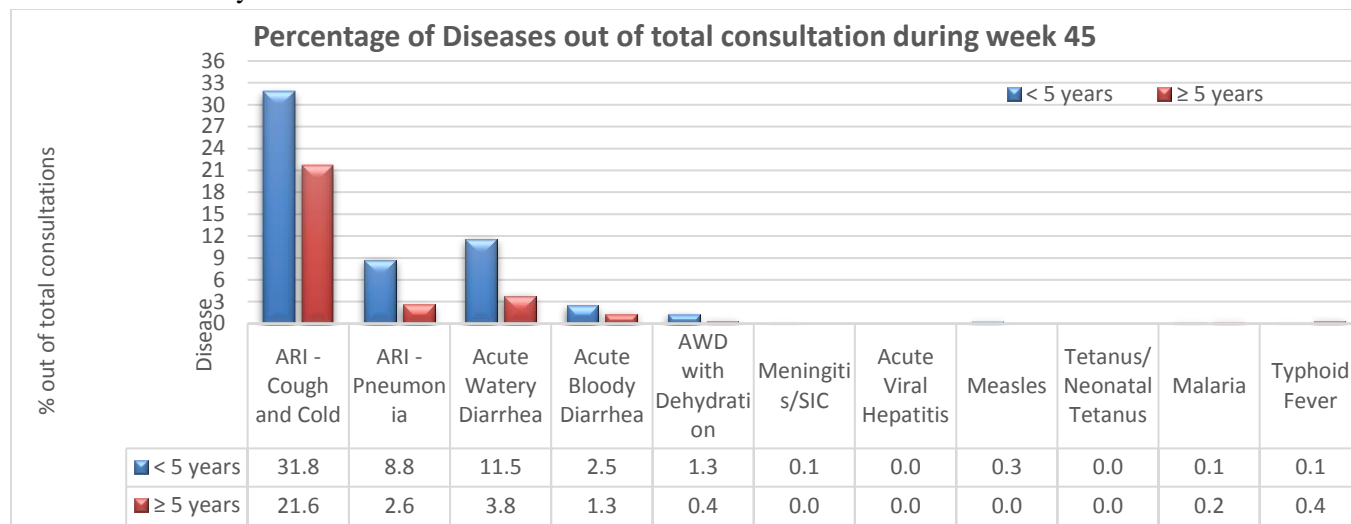
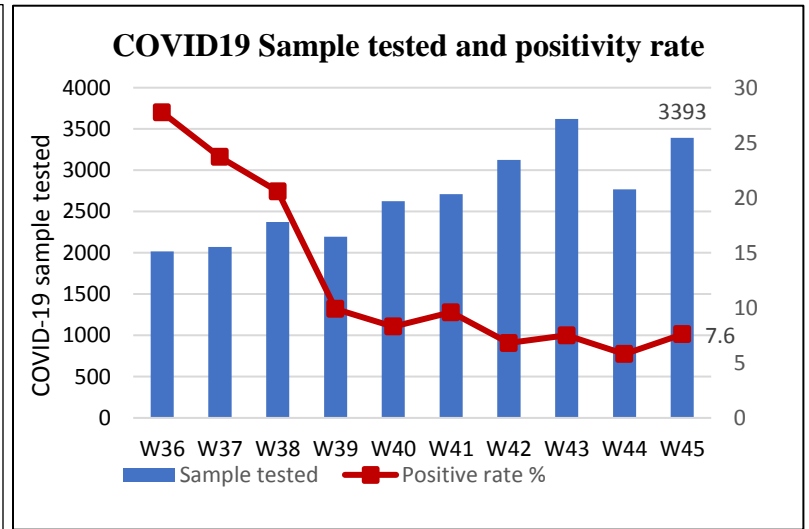
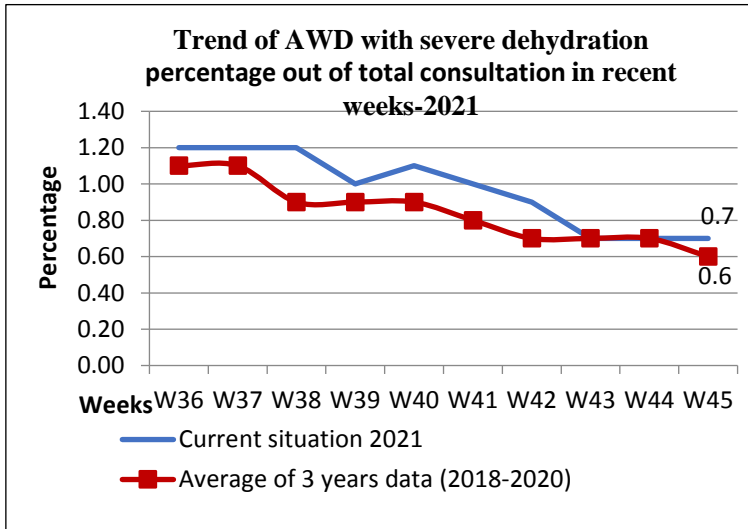
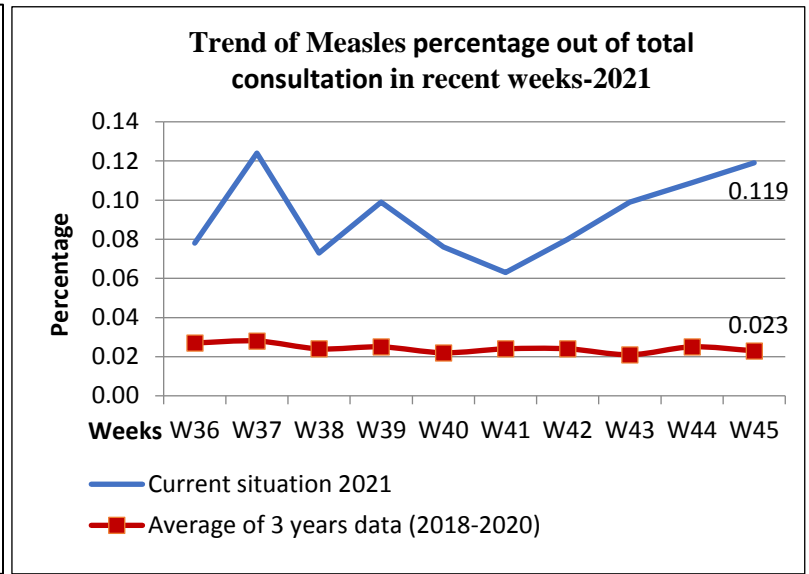
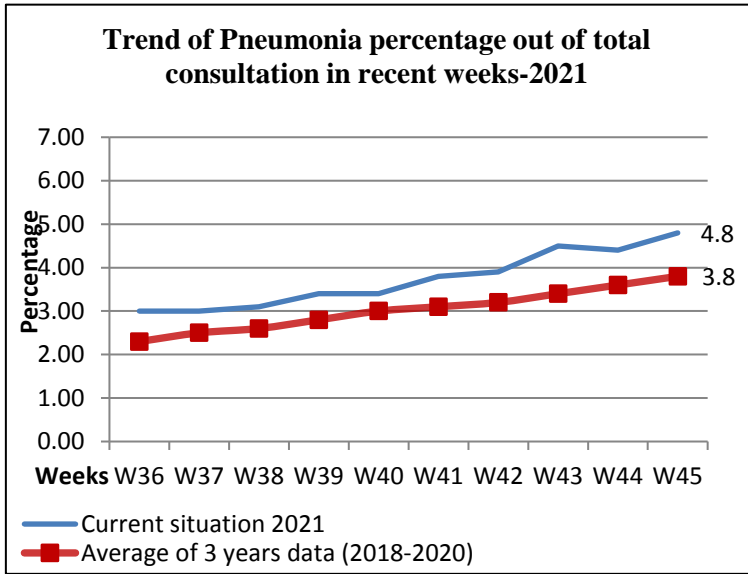


Table 2: Cases and deaths due to VPDs by age group during week 45th, 2021

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	429	87	516	02	0	02	0.39
Suspected Pertussis	10	04	14	01	0	01	0.07

Seasonal Diseases:



Follow up of AWD Outbreak (Kabul)								
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action take
07/11/ 2021	Kabul	Kabul districts	Kabul	33	172	205	0	In this week, 205 AWD hospitalized new cases epi-linked with Kabul province AWD outbreak reported, Active/daily surveillance and the cases investigation is going on, case management was done for all the cases. RDT sampling was done and lab samples for culture were also collected and shipped to CPHL. Health education was conducted by the investigation team.

Follow up of Dengue fever outbreak (Nangarhar)								
Reported dated	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total deaths	Recommendation/Action take
07/11/2021	Nangarhar	Nangarhar 08 districts	Different villages of 08 district of Nangarhar province	03	58	61	0	During this week, 61 Dengue fever new suspected cases epi-linked with Nangarhar province Dengue fever outbreak reported, Coordination and communication was done with all stakeholders at the local, provincial and national levels, 46 blood serum specimens have been collected and shipped to CPHL for confirmation, among them 10 specimens were positive for Dengue fever.

Suspected Measles cases (Badghis, Kunduz, Helmand, Kandahar and Khost provinces)									
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Deaths	Vaccination coverage %	Recommendation/Action take
07/11/2021	Badghis	Jawand	Tagabbist	10	02	12	0	0%	In this week, 06 Measles outbreaks were reported from Badghis, Kunduz, Helmand, Kandahar and Khost provinces. The outbreaks were investigated, case management was done for all the outbreaks and cases, also health education sessions were conducted.
07/11/2021	Kunduz	Kunduz city	Kunduz city	05	02	07	0	NA	
07/11/2021	Helmand	Nahre saraj	Zanbuli	05	04	09	0	80%	
11/11/2021		Marjah	Block 5	07	02	09	0	25 %	
08/11/2021	Kandahar	District #3	Balakarz	04	02	06	0	58%	
14/11/2021	Khost	Sabari	Sorifan	07	01	08	0	38%	

Suspected CCHF cases (Helmand province)								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
11/11/2021	Helmand	Lashkargah	Sarkhodous	1	0	15 Y	Housewife	During this week, 01 suspected CCHF case was reported from Helmand province. Case management was done, health education session was conducted and the information was shared with related departments and animal health as well, to take the control and preventive measures.

Pertussis outbreak (Nuristan province)								
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Death	Recommendation/Action take
07/11/2021	Nuristan	Lashkargah	Sarkhodous	10	4	14	01	During this week, 01 pertussis outbreak was reported from Nuristan province. Case management was done, health education sessions were conducted and the information was shared with related departments, to take the control and preventive measures.

Figure 2: Distribution of COVID-19, Dengue, AWD, CCHF and Measles cases and deaths during week 45th, 2021

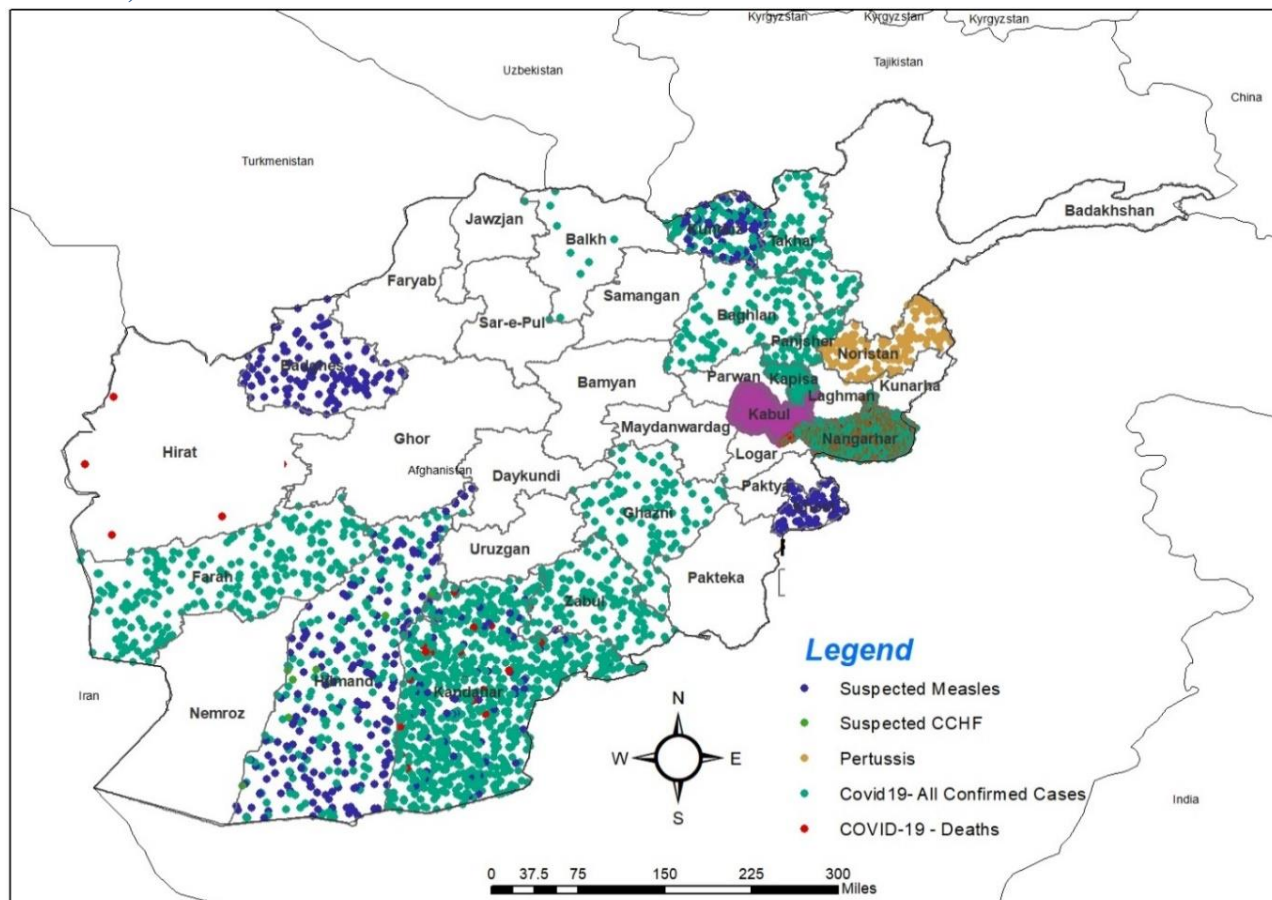


Table 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 13, Nov, 2021)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	106	62	1208	40
CCHF	84	21	84	5
Dog bites/Suspected Rabies	12	0	74	0
Pertussis	5	0	52	1
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Acute Watery Diarrhea	3	2	3098	8
Food poisoning	2	0	26	0
COVID 19	1	1	104427	5107
Tick bite	1	0	9	0
Mass psychogenic Illness	1	0	16	0
ARI	1	0	11	0
Unknown Poisoning	1	0	12	3
Acute Influenza	1	1	5	0
Chickenpox	1	0	9	0
Gas (CO) Poisoning	1	0	18	0
Dengue fever	1	1	568	0
Malaria	1	0	13	0
Grand Total	228	88	109707	5165

Laboratory surveillance:

A total of **3,678** specimens were collected and shipped to CPHL, regional and private labs. Out of which **257** specimens were confirmed for COVID-19, **10** specimens were confirmed for Dengue fever, **18** specimen were confirmed for Measles in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 45th 2021, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Baghlan, Nangarhar, and Paktya). Out of all new hospital admissions, 216 (6.4%) Severe Acute Respiratory Infections cases were reported and 64% were under 5 years old. The proportion of SARI cases were slightly increased as compared to week 44th 2021. Three 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 (28%), Kabul (19%) and Baghlan (12%) provinces. In this epidemiological week, our field staff shipped 48 SARI and 30 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **3,393** specimens were tested for suspected COVID-19. Out of which **257** samples 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 **59.6%** compared to last week, (and 1.8% lab samples positivity rate increased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is **25.8%**, which decreased 01% compared to last week.
- Out of 556 contacts of 145 confirmed cases that were mostly family members with an average of 04 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, and health education was conducted for them, about **164,325** passengers have been screened for COVID-19 in the points of entry of five provinces (Herat, Kandahar, Nangarhar and Nimroz provinces).

Challenges:

- COVID-19 cases were increased **60%** compared to last week,
- Proportion of deaths due to Pneumonia was increased 4.8% compared to previous week (in this week 39 deaths due to pneumonia were reported).
- Suspected Measles cases were increased 06% compared to last week (in this week 567 measles cases and 02 deaths were reported).
- Suspected Dengue fever cases were increased 07% compared to last week (in this week 61 dengue fever cases were reported).
- Weak preparedness for the expected outbreaks and health emergencies in coming months.
- Shortage of lab consumables in majority of the provinces for COVID-19 and suspected cholera cases.

Recommendations:

- RRTs should be functional again, to support the outbreak investigation and response for COVID-19, AWD, Measles and dengue fever outbreaks and other health emergencies.
- Vaccination coverage for measles and other vaccine preventable diseases need to be improved
- Preventive measures for Dengue fever should be strengthened in Nangarhar province
- Buffer stock and preparedness plan for the expected health emergencies are needed to be prepared at the provincial level
- Regular supply for lab consumables and lab testing kits for surveillance priority diseases including COVID-19 are needed and lab testing capacity needs to be strengthened and expanded to all the provinces.
 - **EPI:** As the system detected **567** suspected Measles cases, with 02 deaths due to measles in this week, 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.