



National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report 43th

Date: 24 Oct to 30 Oct, 2021

Summary:

- Out of 513 functional Surveillance sentinel sites, 499 (97.3%) have submitted reports this week.
- A total of 429,118 new consultations, 170,218 (39.7 %) were due to Surveillance targeted diseases. That included 91,049 male (53.5%) and 79,169 female (46.5%). Also 83,136 (48.8 %) under five years old and 87,082 (51.2%) five and over five years old reported in this week.
- The main causes of consultations this week were ARI (Cough & Cold), 100,741 cases, (23.5 %) out of total new consultations, Acute Diarrheal Diseases 43,851 cases (10.2%) out of total new consultations and Pneumonia, 19,365 cases (4.5%) out of total new consultations.
- A total of 213 deaths were reported this week, of which 68 were due to Surveillance targeted diseases, which includes 23 COVID-19 deaths, 30 Pneumonia deaths, 08 Acute Diarrheal Diseases deaths, 03 suspected Acute Viral Hepatitis deaths, 02 suspected Meningitis/Severely Ill Child deaths, 01 suspected Measles death and 01 suspected Pertussis death.
- A total of 465 Measles suspected cases and 01 death due to measles was reported in this week.
- During this week, 315 AWD hospitalized new cases epi-linked with last month's AWD outbreak reported from Kabul province.
- Also, 50 Dengue fever new suspected cases epi-linked with Nangarhar province were reported
- In addition, during this week 03 outbreaks (01 CCHF and 02 measles) were reported from Herat, Badghis and Zabul provinces.
- Moreover, 271 COVID-19 confirmed cases reported at national level.

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

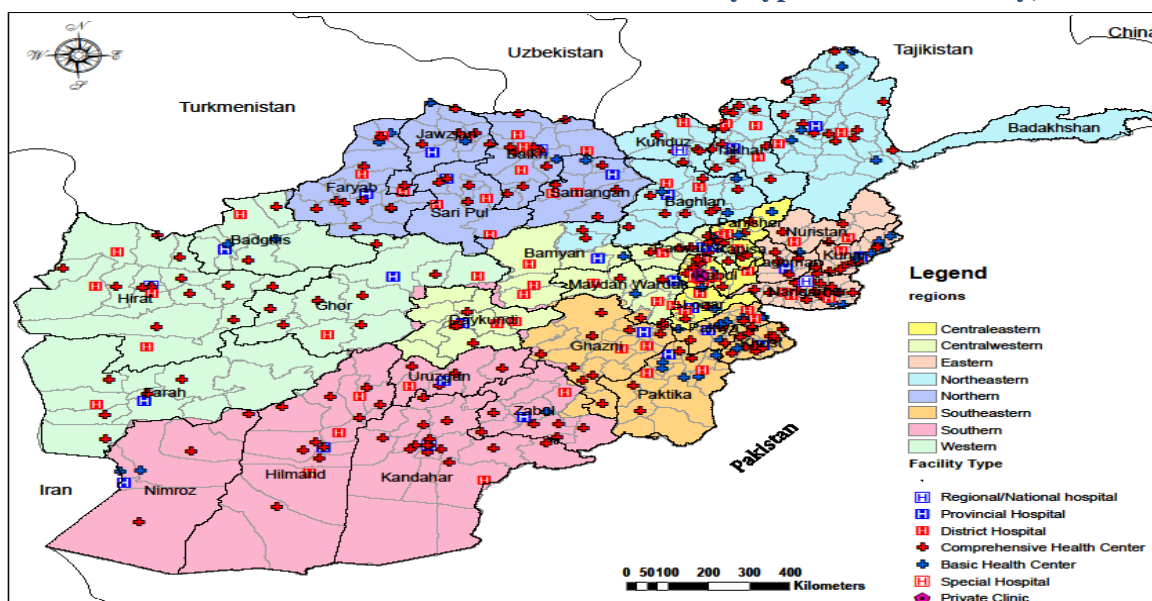


Table 1: Coverage of NDSR Surveillance System

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.

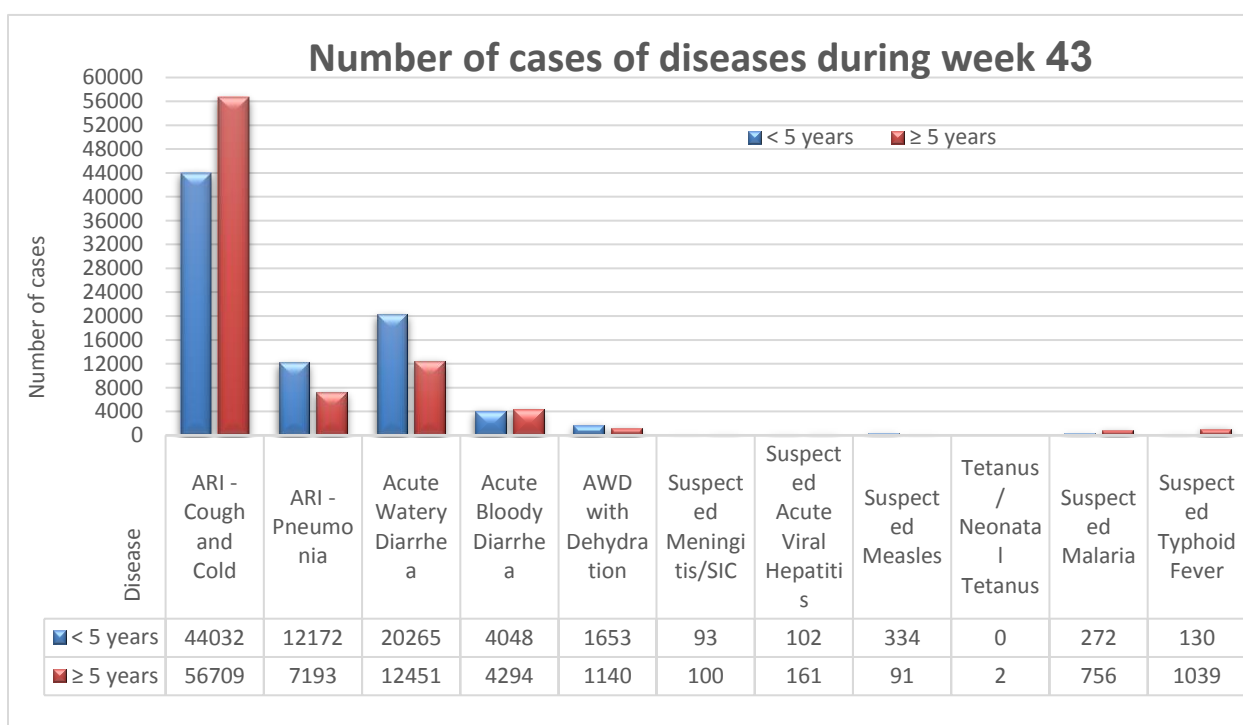
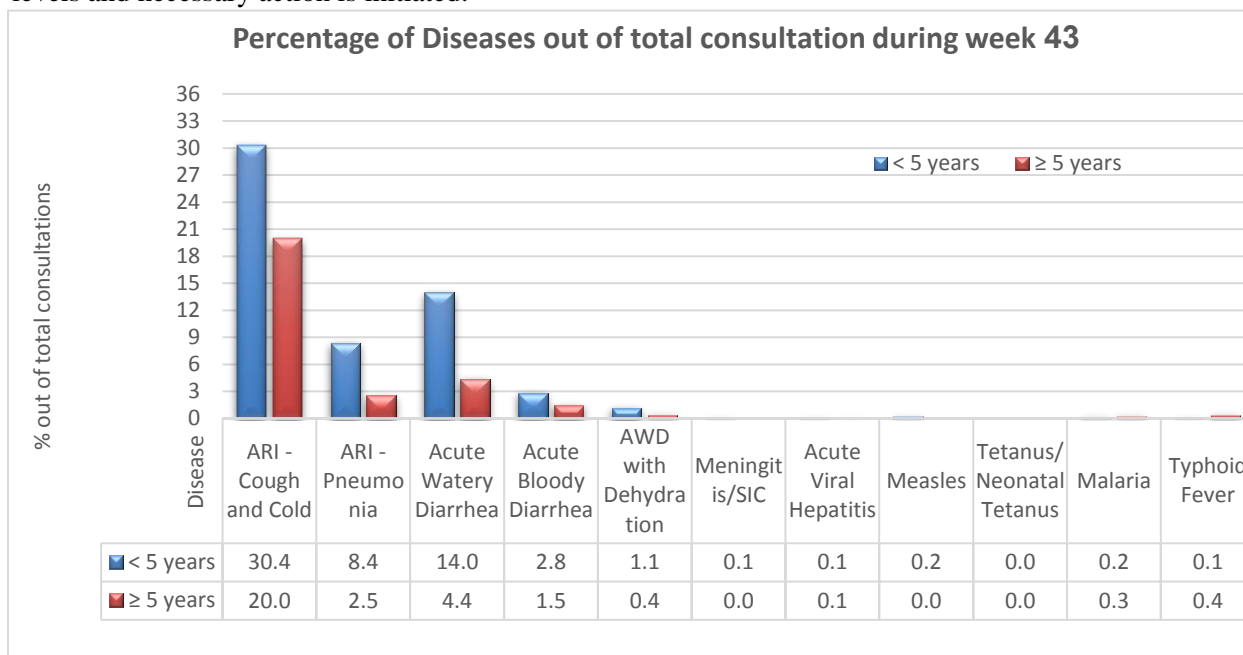
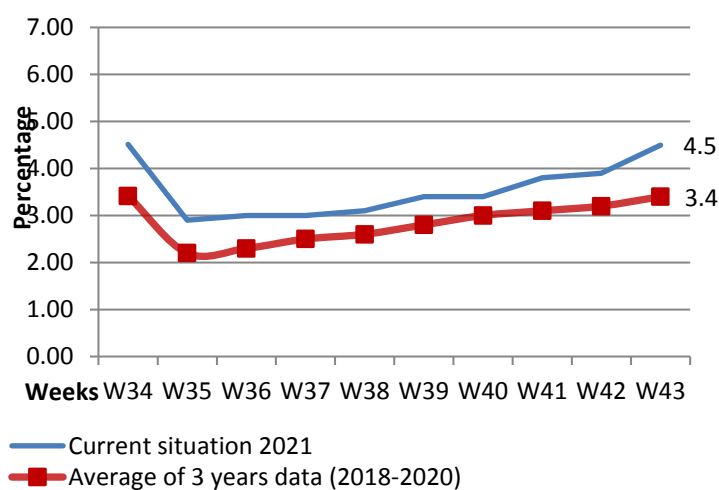


Table 2: Cases and deaths due to VPDs by age group during week 43th, 2021

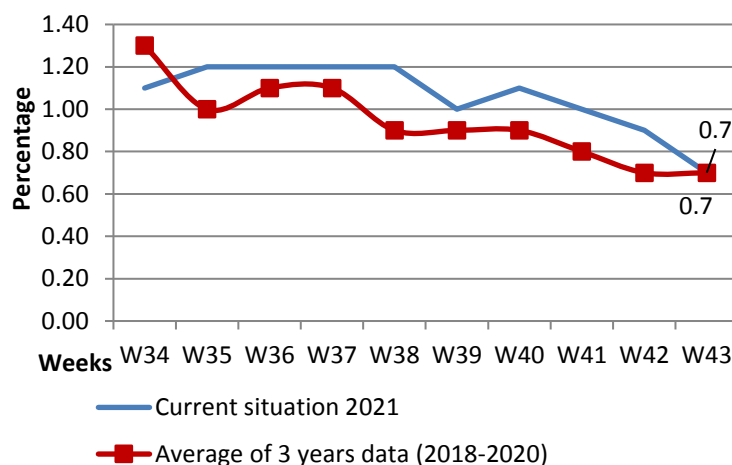
Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Suspected Measles	334	91	425	01	0	01	0.23

Seasonal Diseases:

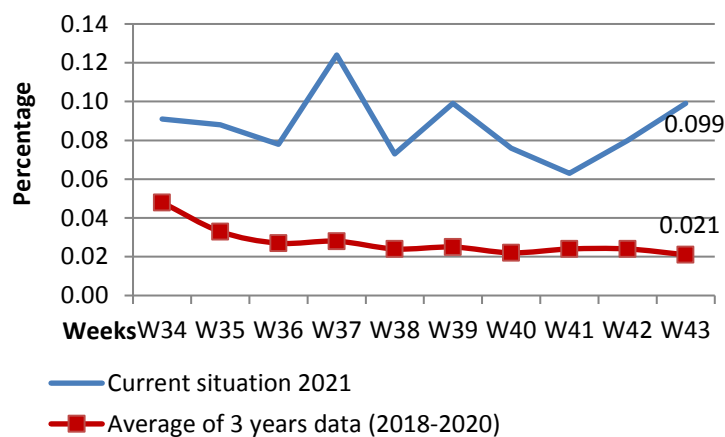
Trend of Pneumonia percentage out of total consultation in recent weeks-2021



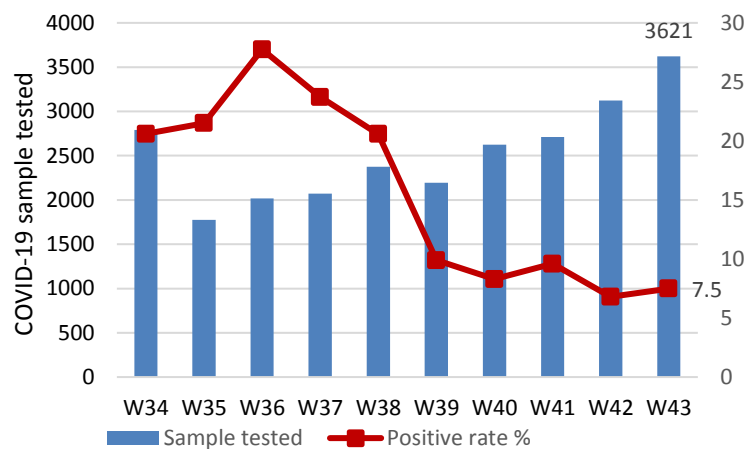
Trend of AWD with severe dehydration percentage out of total consultation in recent weeks-2021



Trend of Measles percentage out of total consultation in recent weeks-2021



COVID19 Sample tested and positivity Rate



Follow up of AWD Outbreak (Kabul)								
Reported Date	Province	District	Village	<5 Cases	≥5 Cases	Total Cases	Total Deaths	Recommendation /Action take
24/10/ 2021	Kabul	Kabul districts	Kabul	32	283	315	0	In this week, 315 AWD hospitalized new cases epi-linked with the last month Kabul province AWD outbreak reported, investigation is going on, active/daily surveillance is started, 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	Recommendation/Action take	
25/10/2021	Nangarhar	Mohmandara , Dorbaba, Jalalabad, Ghani khil, Chaparhar and Achin	Torkham, Jalalabad, Gwaraki, Raghzai, Goroko, Daga, Bati kaly, Mer Khil, Landae, Daman and Sholana	01	49	50	During this week, 50 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, 50 blood serum specimens have been collected and shipped to CPHL for confirmation, among them 23 were positive for Dengue fever.	

Suspected CCHF cases (Herat province)								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
30/10/2021	Herat	Zenda Jan	Mahle Khajha	1	0	25Y	Housewife	During this week 01 suspected CCHF case was reported from Herat 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.

Suspected Measles cases (Badghis and Zbul provinces)								
Reported dated	Province	District	Village	<5 cases	≥5 cases	Total cases	Vaccination coverage %	Recommendation/Action take
26/10/2021	Badghis	Moqur	Mola Saifudin	24	07	31	0%	In this week 02 Measles outbreak were reported from Badghis and Zabul provinces. The outbreaks were investigated, case management was done for all the cases, and health education sessions were conducted. 06 samples collected and send to Lab for confirmation from Badghis province.
30/10/2021	Zabul	Qalat	khar warian	07	02	09	23%	

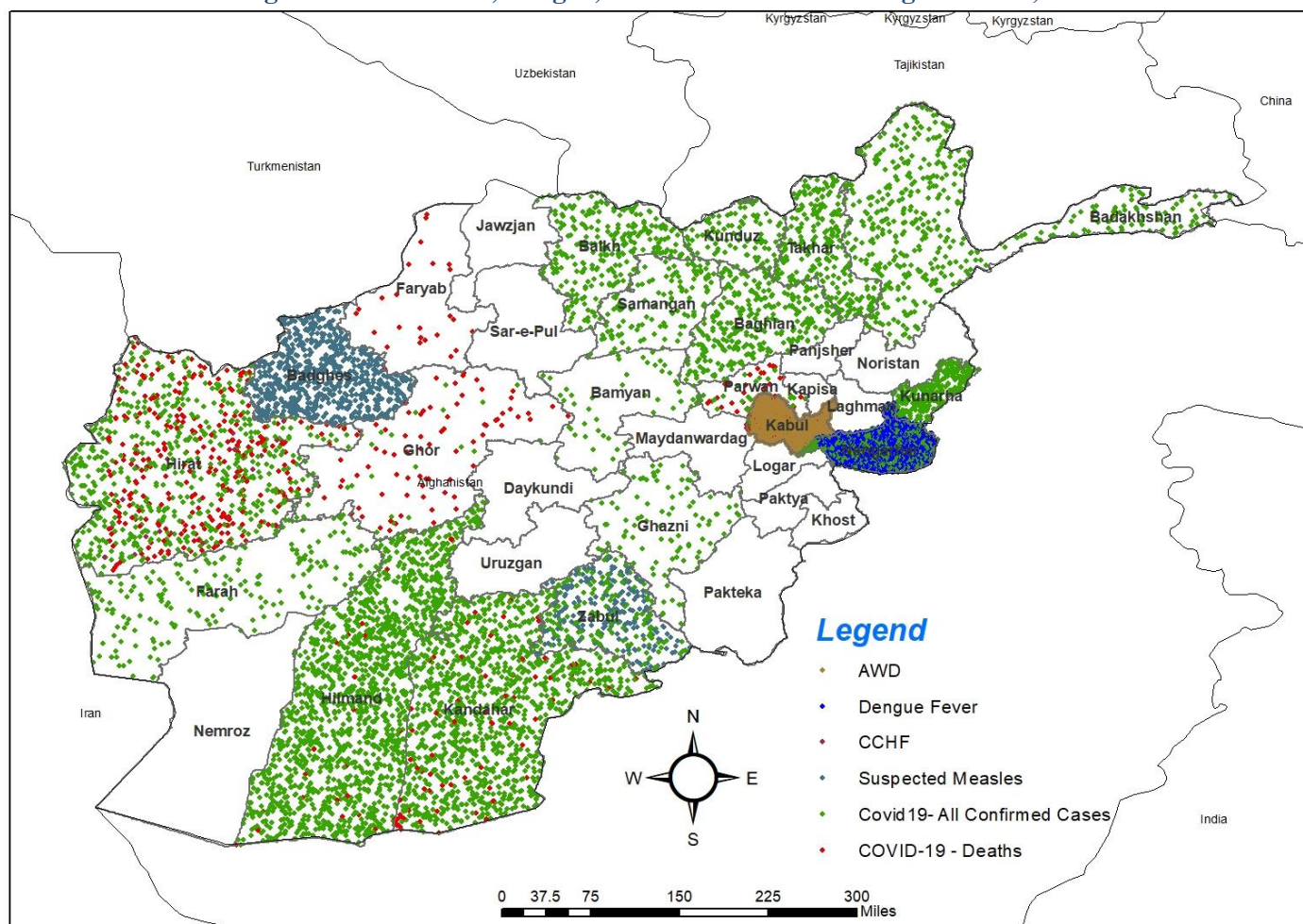


Table 3: Updates on the outbreaks reported during 2021 (27 Dec 2020 to 30, October 2021)

Disease/Event	Count of Disease/Event	Sum of Lab Confirm	Sum of total Cases	Sum of Total Deaths
Measles	98	62	1093	36
CCHF	83	21	83	5
Dog bites/Suspected Rabies	12	0	74	0
Pertussis	4	0	38	0
Scabies	3	0	71	0
Diphtheria	3	0	6	1
Acute Watery Diarrhea	3	2	2576	8
Food poisoning	2	0	26	0
COVID 19	1	1	104009	5094
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	393	0
Malaria	1	0	13	0
Grand Total	218	88	108462	5147

Laboratory surveillance:

A total of **3,929** specimens were collected and shipped to CPHL, regional and private labs. Out of which **271** specimens were confirmed for COVID-19, **23** specimens were confirmed for Dengue fever, **12** specimens confirmed for Measles, **02** specimens confirmed for SARI and ILI in this week. (Follow up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological week 43rd 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, 197 (6.6%) Severe Acute Respiratory Infections cases were reported and 61% were under 5 years old. The proportion of SARI cases were increased as compared to week 42nd 2021. Two SARI associated deaths were reported this week. At the 9 provincial levels, the top sentinel sites with the highest proportion of SARI cases were Kabul (21%), Kapisa (20%) and Bamyan (14%). In this epidemiological week, our field staff shipped 56 SARI and 37 ILI specimens to the National Influenza Center (NIC).

COVID-19 Surveillance activities:

In this week, **3,621** specimens were tested for suspected COVID-19. Out of which **271** 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 27.8% compared to last week, (and 0.7% lab samples positivity rate increased as compared to last week at national level).
- Bed occupancy rate (BOR) at the national level is 29.4%, which increased 6.8% compared to last week.
- Out of 556 contacts of 193 confirmed cases that were mostly family members with an average of 03 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 **48,957** 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 27.8%, and the bed occupancy rate (BOR) at the national level was increased 6.8% compared to last week
- Measles cases were increased 46.2% compared to last week,
- 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
- 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 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 **465** suspected Measles cases, with 01 death due to measles was reported 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.