

Ministry of Public Health

Monitoring Evaluation & Health Information System GD

Diseases Surveillance Department

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National Disease Surveillance
& Response (NDSR)

NDSR Weekly Epidemiological Report 36th

Date: 01 - 07 /09/2024

Summary:

- Out of **613** functional surveillance sentinel sites, **608 (99.2%)** have submitted reports this week.
- A total of **680,289** new consultations, of which **243,637 (35.8%)** were due to Surveillance targeted diseases. That included **127,588 (52.4%) males** and **116,049 (47.6%) females**. Also, **115,534 (47.4%)** people under five years old and **128,103 (52.6%)** people five years old and over were reported this week.
- The main causes of consultations this week were ARI Cough & Cold (**130,657 = 19.2%** cases out of total new consultations), Acute Diarrheal Diseases (**86,107 = 12.7%** cases out of total new consultations), and Pneumonia (**18,160 = 2.7%** cases out of total new consultations).
- A total of **361** deaths were reported this week, of which **58 (16.1%)** deaths were due to surveillance-targeted diseases, which include **31 ARI Pneumonia** deaths, **04 suspected Measles** deaths, **03 Acute Watery Diarrhea with Dehydration** deaths, **07 Suspected Meningitis** deaths, **04 suspected Hemorrhagic Fever** deaths, **07 Acute Viral Hepatitis** deaths, **01 COVID-19** death and **01 Dengue Fever** death.
- In addition, during this week, **32** outbreaks were reported: **10 Clinical Scabies** outbreaks were reported from Ghazni, Kabul, Khost, Kunduz, Nuristan, Paktia, Panjshir and Wardak provinces, **06 Suspected Measles** outbreaks were reported from Kabul, Kapisa, Kunduz, Paktia and Takhar provinces, **03 Clinical Chickenpox** outbreaks were reported from Bamyan, Ghazni and Takhar provinces, **03 AWD with Dehydration** outbreaks were reported from Kabul and Nangarhar provinces, **04 Impetigo** outbreaks were reported from Kapisa and Zabul provinces, **03 Dog bite/suspected Rabies** outbreaks were reported from Kabul, Kandahar and Khost provinces, **01 Clinical Mumps** outbreak was reported from Paktia Province, **01 COVID-19** outbreak was reported from Ghazni province and **01 Confirmed CCHF** outbreak was reported from Kapisa province.

Moreover, **214** COVID-19 confirmed cases, and **892** suspected Measles cases (IBS) were reported at the national level.

Figure 1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility, 2024

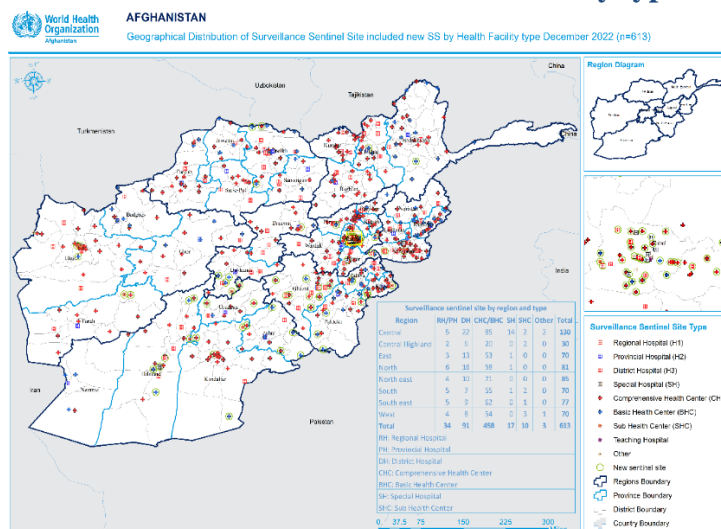


Table 1: Coverage of NDSR Surveillance System

| 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 the NDSR, reports 17 priority conditions/infectious diseases from sentinel sites on weekly basis. The data is compared with previous weeks and the corresponding weeks of the previous three years, and the alert and epidemic thresholds are checked to see if disease incidence has crossed these levels and necessary action is initiated.

Figure 2: A

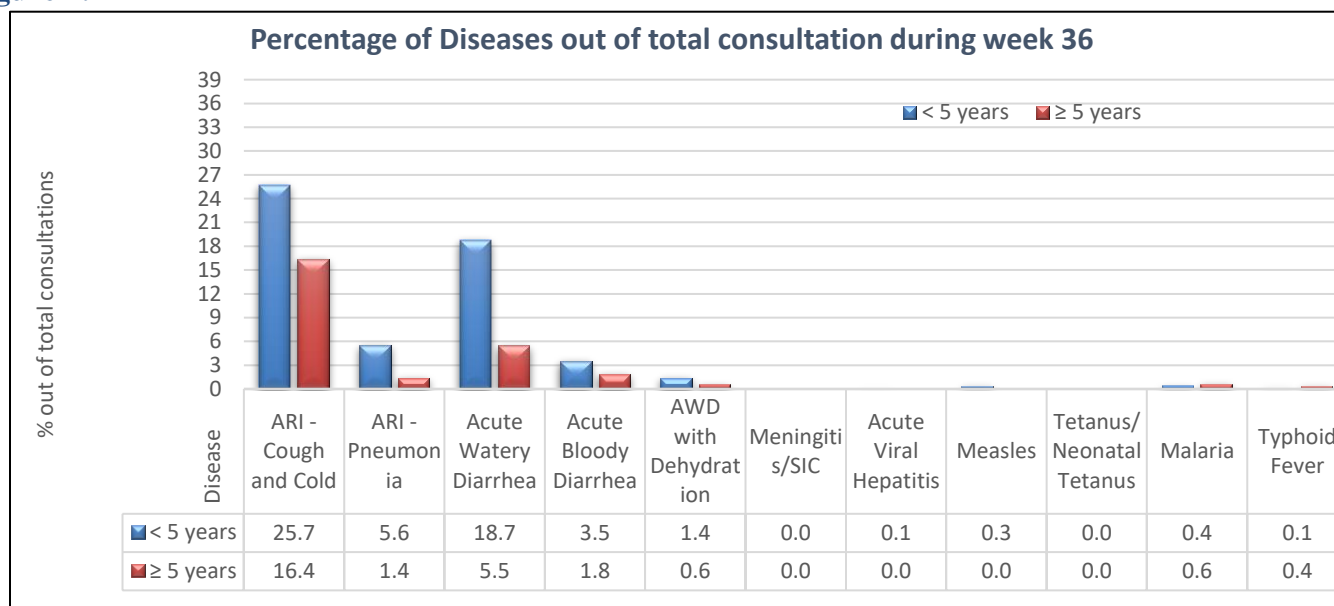
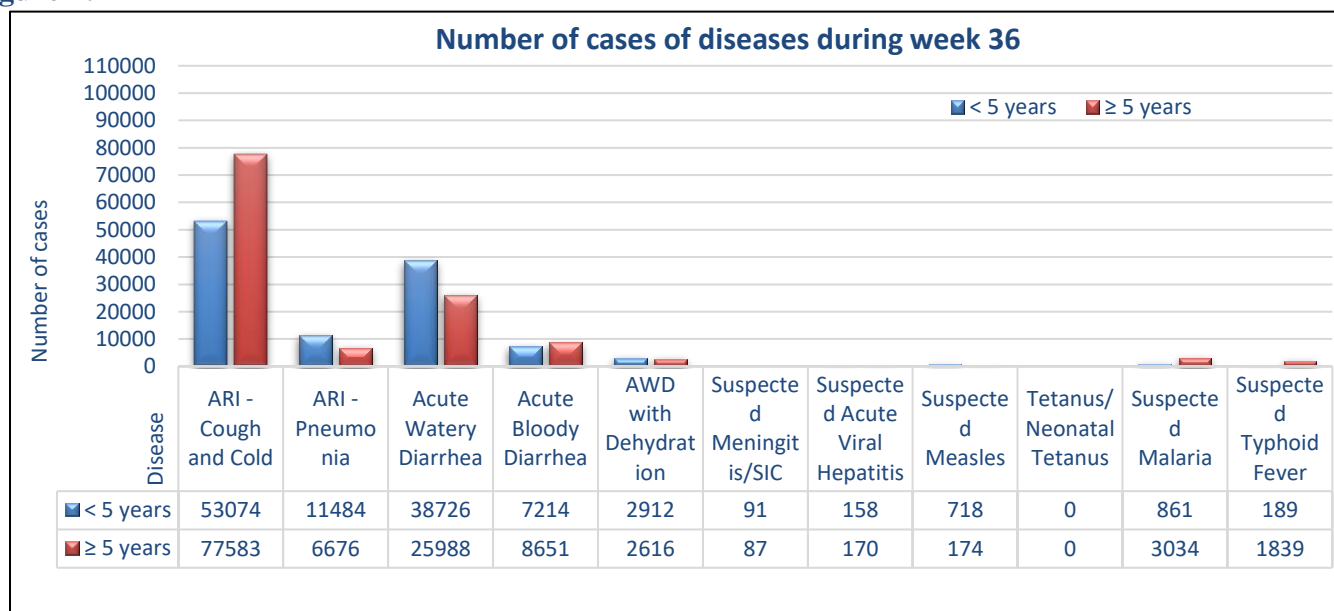


Figure 2: B



Seasonal Diseases:

Figure 3: A

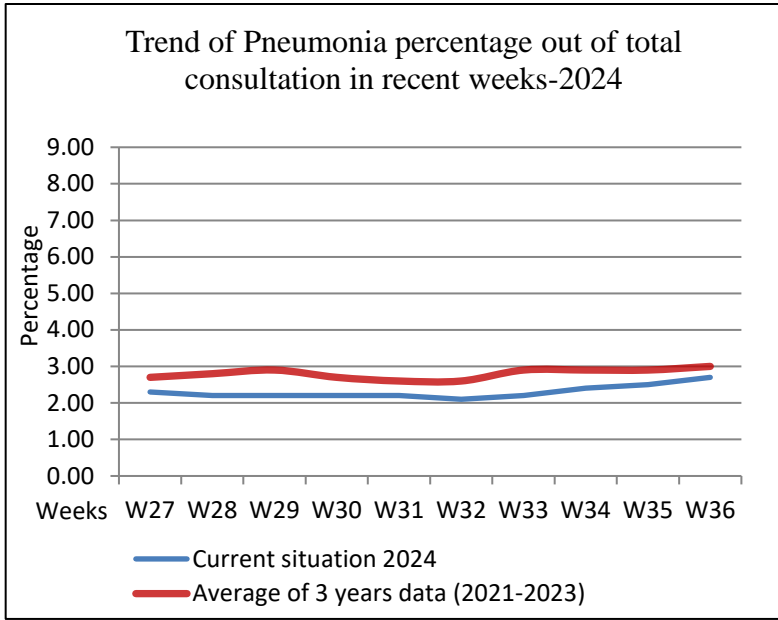


Figure 3: B

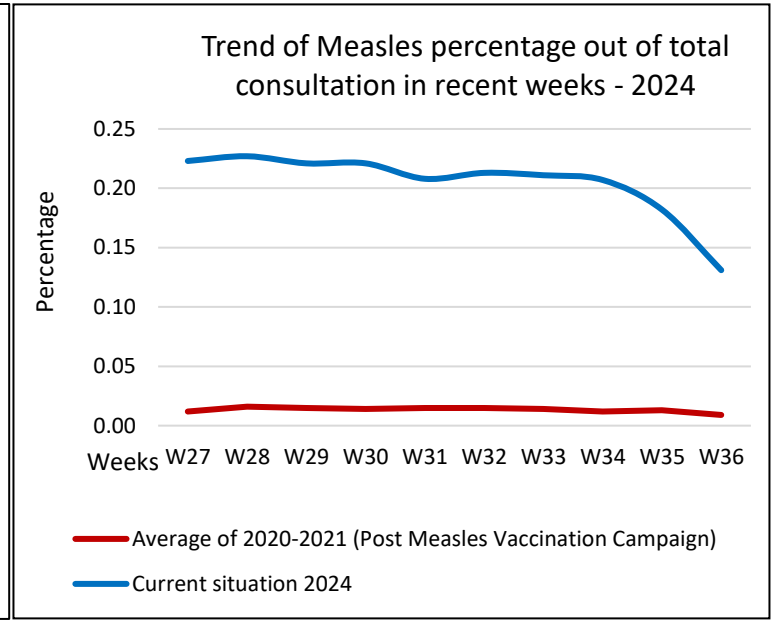


Figure 3: C

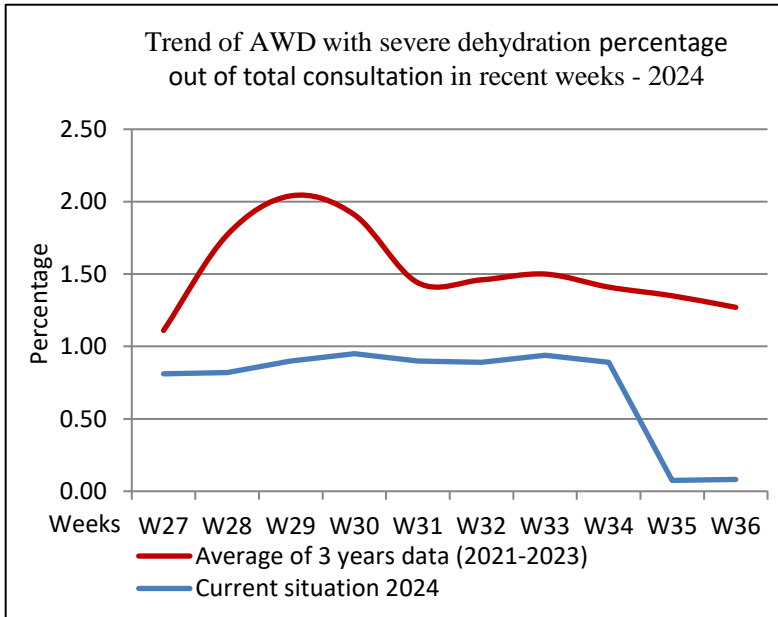


Figure 3: D

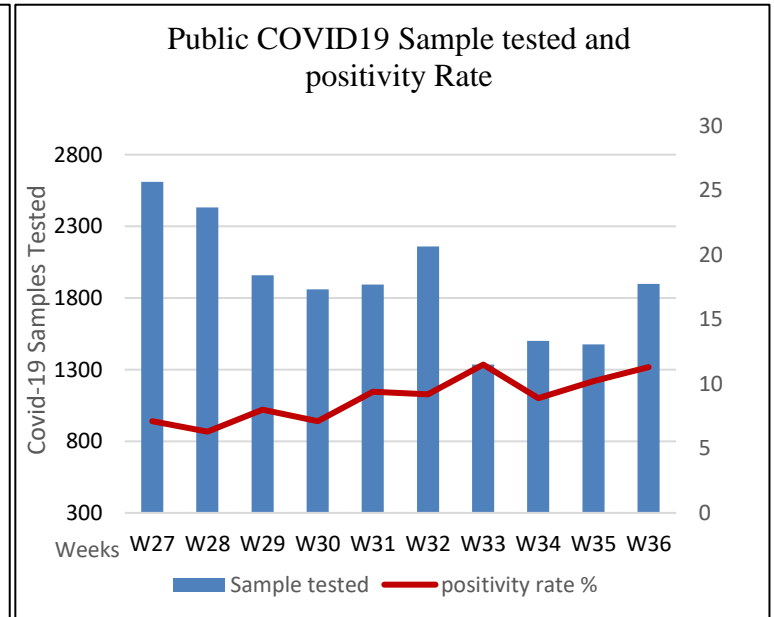


Table 3: Outbreaks in Week 36th 2024:

| AFGHANISTAN INFECTIOUS DISEASE OUTBREAKS REPORT Epidemiological week #36-2024 | | | | | | | | |
|-----------------------------------------------------------------------------------|---------------|----------|----------|---------------------|-------------|--------------|------------------------------|--------------------------|
| Event / Diseases Name | Reported date | Province | District | Village | Total Cases | Total Deaths | Vaccination coverage, If VPD | |
| | | | | | | | Related HF reported coverage | Field Estimated Coverage |
| Clinical Scabies | 31/08/24 | Ghazni | Khogyani | Qalai Amo Khan Baba | 23 | 0 | NA | NA |

| | | | | | | | | |
|-----------------------------------|----------|-----------|----------------------|--------------------------|----|---|------|-----|
| | 31/08/24 | Kabul | 4 | Imam Abu Hanifa Madrasa | 60 | 0 | NA | NA |
| | 01/09/24 | Kabul | 12- Arzan Qimat | Block 10 | 20 | 0 | NA | NA |
| | 31/08/24 | Khost | Ismail Khel Mandozai | Dadwal | 19 | 0 | NA | NA |
| | 01/09/24 | Kunduz | Khanabad | Baytul Qurhan Madrasa | 57 | 0 | NA | NA |
| | 02/9/24 | Nuristan | Wama | Archano | 93 | 0 | NA | NA |
| | 31/08/24 | Paktia | Gardiz | Baland Manzal | 10 | 0 | NA | NA |
| | 02/9/24 | Paktia | Gardiz | Tera | 8 | 0 | NA | NA |
| | 04/9/24 | Panjshir | Hisa Awal | Gudara | 8 | 0 | NA | NA |
| | 02/9/24 | Wardak | Nerkh | Jamia Rozat-Ul-Alum | 51 | 0 | NA | NA |
| Suspected Measles | 01/9/24 | Kabul | 7 | Doghabad | 6 | 0 | 71% | 51% |
| | 03/9/24 | Kabul | Paghman | Qala E Abdul Ali | 7 | 0 | 43% | 21% |
| | 03/9/24 | Kapisa | Tagab | Kora | 5 | 0 | 71% | 50% |
| | 01/9/24 | Kunduz | Kunduz | Kanam Kalan | 8 | 0 | 103% | 77% |
| | 03/9/24 | Paktia | Sayed Karam | Khanan | 17 | 0 | 80% | 0% |
| | 04/9/24 | Takhar | Taloqan | Nik Aabad | 5 | 0 | 70% | 40% |
| Clinical Chickenpox | 01/9/24 | Bamyan | Center | Sayed Abad And Sariasiab | 25 | 0 | NA | NA |
| | 06/9/24 | Ghazni | Abband | Adu Khail | 40 | 0 | NA | NA |
| | 02/9/24 | Takhar | Warsaj | Kuto | 8 | 0 | NA | NA |
| AWD with Dehydration | 02/9/24 | Kabul | 15 | Poste Kachalo | 3 | 0 | NA | NA |
| | 02/9/24 | Kabul | 6 | 3 Rahi Allauddin | 1 | 0 | NA | NA |
| | 31/8/24 | Nangarhar | Jalalabad | Angorbagh 2nd Zone | 1 | 0 | NA | NA |
| Impetigo | 03/9/24 | Kapisa | Kohistan-2 | Qala Now | 7 | 0 | NA | NA |
| | 04/9/24 | Kapisa | Nijrab | Shahre Now | 5 | 0 | NA | NA |
| | 01/09/24 | Zabul | Qalat | Hazrat Bilal MASjid | 24 | 0 | NA | NA |
| | 07/9/24 | Zabul | Qalat | Arghnadawayan | 34 | 0 | NA | NA |
| Dog bite/ suspected Rabies | 06/9/24 | Kabul | Shakardara | Boya Zaar | 7 | 0 | NA | NA |
| | 02/09/24 | Kandahar | Daman | Mola Abdullah | 5 | 0 | NA | NA |

Table 4: Updated cumulative outbreak reports during 2024 (31 Dec 2023 to 07 Sep 2024)

| Disease/Event | Disease/Event | Lab-Confirm | Total Cases | Total Deaths |
|-------------------------------------|---------------|-------------|--------------|--------------|
| Scabies | 358 | 0 | 13945 | 0 |
| Measles | 352 | 175 | 4106 | 31 |
| Suspected Chickenpox | 213 | 47 | 3538 | 0 |
| Dog bites/Suspected Rabies | 70 | 0 | 549 | 0 |
| Pertussis | 9 | 0 | 167 | 0 |
| Mumps | 17 | 0 | 447 | 0 |
| Impetigo | 13 | 0 | 281 | 0 |
| Leishmaniasis | 5 | 3 | 616 | 0 |
| Pink Eye | 4 | 0 | 36 | 0 |
| ARI/Pneumonia | 8 | 0 | 300 | 10 |
| Food Poisoning | 15 | 0 | 195 | 0 |
| Dengue Fever | 5 | 5 | 180 | 0 |
| Typhoid Fever | 6 | 0 | 127 | 0 |
| CCHF | 16 | 16 | 38 | 10 |
| ARI cough and cold | 1 | 0 | 55 | 0 |
| Neonatal Tetanus | 2 | 2 | 4 | 1 |
| COVID-19 | 5 | 5 | 220 | 4 |
| Anthrax | 4 | 0 | 7 | 0 |
| Acute Watery Diarrhea | 3 | 0 | 100 | 0 |
| Acute Watery Diarrhea + Dehydration | 27 | 22 | 517 | 4 |
| Confirmed Malaria | 21 | 21 | 2389 | 0 |
| Acute Bloody Diarrhea | 2 | 0 | 54 | 0 |
| Unknown Poisoning | 1 | 0 | 5 | 3 |
| Brucellosis | 1 | 0 | 14 | 0 |
| Clinical Botulism | 1 | 0 | 9 | 1 |
| Grand Total | 1159 | 296 | 27899 | 64 |

Laboratory surveillance:

A total of **3775** specimens were collected and shipped to CPHL and other regional laboratories. Out of which **7** specimens were confirmed for Acute Viral Hepatitis, **78** specimens were confirmed for Measles and **84** specimens were confirmed for Malaria (Follow-up by the CPHL is going on).

Influenza Surveillance activities:

In Epidemiological Week 36th 2024, we have received reports from all ten influenza sites (Kabul, Kandahar, Balkh, Herat, Bamyan, Baghlan, Nangarhar, Kapisa, Paktia, and Badakhshan) provinces. Out of all new hospital admissions, 659 (11,8%) Severe Acute Respiratory Infections cases were reported, and 352 (53,4%) were under 5 years old. The proportion of SARI cases decreased compared to weeks 35–2024. 28 SARI-associated deaths were reported this week. At the 10 Influenza sentinel sites, the top sites with the highest proportion of SARI cases were Bamyan (32,2%), Badakhshan (30%) and Kabul (26%). During this week, our field staff collected 30 SARI and 20 ILI specimens, which were then shipped to the NIC in Kabul

COVID-19 Surveillance activities:

This week, **1899** specimens were tested for the suspected COVID-19. Out of which **214** specimens were confirmed for COVID-19 by RT-PCR.

- The COVID-19 case positivity rate was 11.3% this week, which decreased 6.1% compared to the previous week.
- Out of **214 confirmed** cases, **242** contacts out of **57** were traced that were mostly family members, with an average of 4 contacts per case, and will be continued until 14 days after 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 **39,178** passengers have been screened for COVID-19 at the three points of entry in (Kandahar, Nangahar and Nimroz) provinces.

Challenges:

- Measles cases are still a public health concern in the country.
- Scabies cases are on increasing trend as a public health challenge due to unimproved lifestyle of the community.
- Chickenpox cases are on increasing trend, and it is recommended to provide its vaccine through the national EPI.
- Dog-bite cases are on increasing trend, and it is recommended to provide its control measure through the Zoonotic committee in national level.
- ARI cough and cold cases are on the increasing trend 0.6% compared to the previous week.
- Diarrheal diseases are on the decreasing trend 0.7% compared to the previous week.
- Pneumonia cases are on the increasing trend 0.2% compared to the previous week.
- COVID-19 preventive and control measures should be strengthened.
- Vaccine preventable diseases (especially Measles and Pertussis vaccination and preventive measures) should be strengthened.
- The measles response strategy should be reviewed to respond to the current measles epidemic situation.
 - **EPI:** As the surveillance system detected **940 (IBS+EBS)** suspected Measles cases with **04 (IBS+EBS)** deaths at the national level, further prevention and control measures should be conducted by the EPI team.
- The findings should be analyzed further at different levels, and appropriate actions should be taken by the concerned department.