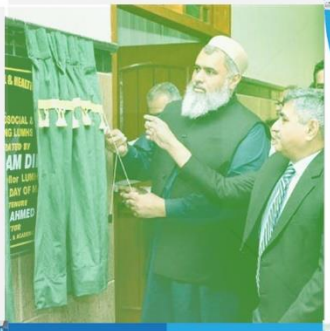
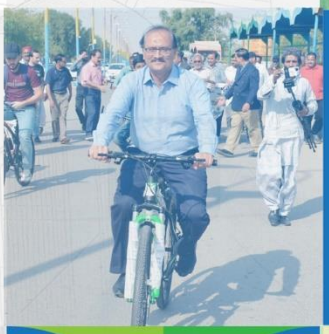
LIAQUAT UNIVERSITY
OF MEDICAL & HEALTH SCIENCES
JAMSHORO

OVERALL REPORT

On SDG-12 Responsible Consumption and Production





Reporting Year

2024

LIAQUAT UNIVERSITY
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SDG 12: Responsible Consumption and Production

Project: Hospital Waste Management at Liaquat University of Medical and Health Sciences (LUMHS) Hospitals

Overview

Liaquat University of Medical and Health Sciences (LUMHS) has implemented a **comprehensive Hospital Waste Management Project** to improve the entire lifecycle of medical waste handling within its hospitals located in Hyderabad and Jamshoro. The initiative reflects LUMHS's commitment to responsible consumption and production practices in healthcare, in alignment with **SDG 12** of the United Nations Sustainable Development Goals (SDGs).

Objectives

- To ensure the use of **new and sterile syringes**, eliminating the reuse or scavenging of medical waste.
- To maintain **strict hygiene and sanitation standards** across all healthcare units.
- To promote **safe segregation, collection, transportation, and disposal** of biomedical and laboratory waste.

Key Practices and Achievements

- LUMHS enforces the **exclusive use of new syringes** to prevent cross-contamination and transmission of infectious diseases.
- The university strictly prohibits **reuse or scavenging of medical and laboratory waste**, thereby minimizing exposure risks to healthcare and sanitation workers.
- Through **segregation at source**, waste is categorized into infectious, non-infectious, and hazardous types, ensuring proper disposal and reducing environmental contamination.
- Biomedical materials and syringes are disposed of safely, following environmentally sound practices that **prevent pollution of water sources** and the spread of infections.

Impact and Alignment with SDGs

Primary Alignment: SDG 12 – Responsible Consumption and Production

LUMHS's waste management practices embody responsible production and consumption principles by ensuring the **safe and sustainable management of hazardous medical waste**. These actions minimize environmental hazards, promote circular economic practices in healthcare, and protect human and ecological health.

Conclusion

Through this integrated approach, LUMHS not only strengthens its infection control systems but also contributes significantly to environmental protection and sustainable healthcare delivery. The **Hospital Waste Management Project** exemplifies LUMHS's institutional commitment to public health, environmental stewardship, and the achievement of the **United Nations Sustainable Development Goals**, particularly **SDG 12** and **SDG 3**.

AS responsible consumption LUMHS ensures to save power and resources by developing infrastructure as sunlight in the building airy buildings

Laboratory Waste Management System

The laboratory waste management system at the DR Lab is a well-organized and efficiently maintained setup that ensures environmental safety and compliance with health regulations. All laboratory waste, including biological, chemical, and sharps, is carefully segregated at the source using color-coded containers. Proper labeling, storage, and disposal procedures are strictly followed to minimize contamination and health hazards. Trained staff handle waste collection and disposal under standard operating procedures (SOPs), ensuring safety for personnel and the environment. Regular monitoring, audits, and training sessions are conducted to maintain high standards of hygiene, sustainability, and regulatory compliance within the Diagnostic Research Laboratory under Liaquat University of Medical Sciences.