



Hand Hygiene Quality Indicators: Developing a Management Framework for Hospital Accreditation

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ABSTRACT

Effective hand hygiene remains the cornerstone of infection prevention and a critical determinant of patient safety within healthcare systems. Despite global guidelines, hospitals continue to face challenges in maintaining consistent compliance and demonstrating measurable quality outcomes. This study aims to design a robust management framework for hospital accreditation based on standardized Hand Hygiene Quality Indicators (HHQIs). The framework integrates structural, process, and outcome-based indicators, including resource availability, staff adherence, audit frequency, infection incidence, and patient engagement parameters. A mixed-methods approach—combining literature review, expert consultation, and pilot testing—was used to identify and validate relevant indicators. The proposed framework enables hospitals to systematically monitor performance, implement targeted interventions, and demonstrate accountability during accreditation cycles. By aligning HHQIs with international best practices, the model supports continuous quality improvement, enhances transparency, and strengthens safety culture across healthcare settings. This structured approach can guide policymakers, administrators, and accreditation bodies in advancing infection control standards.

KEYWORDS: Hand Hygiene, Quality Indicators, Hospital Accreditation, Infection Control, Patient Safety.

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Research Highlights:

Establishes a structured framework for **Hand Hygiene Quality Indicators (HHQIs)** aligned with accreditation standards.

Integrates **structural, process, and outcome indicators** for comprehensive performance monitoring.

Utilizes a **mixed-methods approach** including expert input and pilot validation.

Enhances **infection control, patient safety, and quality improvement** in hospitals.

Provides a practical tool for **administrators and accreditation bodies** to ensure compliance and accountability.