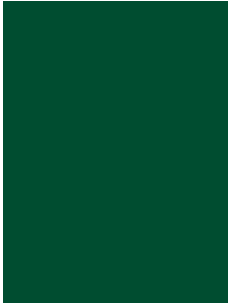


International Conference on

# Environmental Microbiology & Microbial Ecology

International Conference on

# Ecology, Ecosystems & Conservation Biology



**Introduction:** Healthcare-associated infections (HAIs) lead to increased morbidity & mortality, disability, increased hospital stay, and increase in antibiotic resistance. Hands are the most common vehicle to transmit HAIs in hospitals. Compliance with HH is one of the Egyptian PSGs. Most healthcare providers (HCP) believe they're practicing effective HH, though it doesn't exceed 40% in most of the organizations according to WHO. Assessment of compliance was done at Al-Zaytoon specialized multispecialty governmental hospital that provides various medical, surgical services for about 2 million of the population.

**Methodology:** Data collection was made by meetings with key persons & stakeholders, Structured Observation of available forms, documents, and records. SWOT analysis was made focusing on factors related to PSGs. Assessment of awareness & compliance to Egyptian PSGs was done by Questionnaire and Observation. Results were reported to HH (60% awareness and 40% compliance). To increase overall HH awareness and compliance to Phase I objectives (over 2 months) were to increase HH awareness from 60-80% and improve compliance from 40-60%. HCP that will improve PS. Cause and effect diagram and in-depth analysis of Possible Causes of non-compliance to HH followed by Pareto Chart formulation. Remedy selection for the few vital causes (Lack of training and Lack of resources) followed by implementation and reassessment.

**After Improvement:** Finally, a control chart was made to ensure consistency & further improvement in terms of compliance, what in relation to the overall goal.

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