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## Improving hand hygiene compliance rate in intensive care unit

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Hand hygiene is one of the most important infection prevention and control strategies. Increasing compliance to Hand hygiene is challenging, in fact health care worker are not always aware of their incompliance to Hand hygiene practice and usually overestimate their commitment to infection control policies. This study aimed at improving Hand hygiene compliance in intensive care unit of a curative foundation hospital in Cairo. Measurement of Hand hygiene compliance rate was done pre and post intervention through WHO observation tool, fish bone analysis, data collection in the form of (HCW interview and survey, , previous infection control records ) was done. Pareto chart was plotted to address intervention panes. Method of intervention included [on job training, education (videos), reminders (posters)]. **Post intervention** assessment indicated improved Hand hygiene compliance from 26% to 50% in 4 months periods. Applied improvement plan based on HCW perception of the problem aimed at their engagement and positive involvement. Although cost effectiveness of Hand hygiene campaigns is still under investigation, the outcome of increasing **Hand hygiene compliance** and subsequent decrease in infection rate justify their use.

### Biography

Nermeen Abdallah has completed her PhD at the age of 33 years from Ain Shams University and postdoctoral studies in the same University. She has published 9 papers in reputed journals in the field biofilm, antimicrobial resistance and on MERS-Cov.

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