

ABSTRACT

Background: *Healthcare-associated Infections are still a big health problem in many countries in the world. Hand hygiene is very important action to decrease HAIs, accordingly, hand hygiene compliance should be assessed. Method:* This study was descriptive observational study. Sample of this study was all healthcare workers who were working and recorded by CCTV video during observation period. Hand hygiene compliance was assessed on five moments of hand hygiene recommended by WHO and profession category of healthcare workers, such as nurse, doctors, students, and others (nursing staffs and cleaning services). WHO observation form was used. **Result:** A total of 660 opportunities of hand hygiene were observed. Overall hand hygiene compliance of healthcare workers was found to be 74,5%. Based on five moments of hand hygiene, 83,3%, 100%, 90%, 74,5%, 42,2%, were observed for moment 1, 2, 3, 4, and 5. Hand hygiene compliance based on profession category of health care workers was found to be 78,4% for nurses, 30% for doctors, 78% for students, and 22,2% for others. **Conclusion:** Hand hygiene compliance of health care workers at Neonatology Unit of Dr. Soetomo General Hospital was varied between five moments for hand hygiene and between four profession category of healthcare workers. All of the health care workers need to improve the hand hygiene compliance during patient care. Health care institution need to arrange the strategy to evaluating, monitoring, and improving the hand hygiene compliance of healthcare workers.

Keywords: hand hygiene, compliance, moments, health care workers.