

Key Scientific Publications

Introduction

This document provides a list of over 60 key scientific publications for those interested in hand hygiene improvement.

For a comprehensive list of pertinent publications, please refer to WHO Guidelines on Hand Hygiene in Health Care (2009).

The citations include hyperlinks to the published abstract or online text, where available.

AUTHORS	TITLE	CITATION
Aboelela SW, et al	Effectiveness of bundled behavioural interventions to control healthcare-associated infections: a systematic review of the literature.	<u>J Hosp Infect 2007;66:101–108</u>
Ahmed QA, et al	Muslim health-care workers and alcohol-based handrubs.	<u>Lancet 2006; 367: 1025–1027</u>
Allegranzi B, et al	The first Global Patient Safety Challenge “Clean Care is Safer Care”: from launch to current progress and achievements.	<u>J Hosp Infect 2007; 65(Suppl2): 115–23</u>
Allegranzi B, Pittet D	Health care-associated infection in developing countries: simple solutions to meet complex challenges.	<u>Infect Control Hosp Epidemiol 2007; 28(12): 1323–1325</u>
Allegranzi B, et al	Religion and culture: potential undercurrents influencing hand hygiene promotion in health care.	<u>Am J Infect Control 2009; 37: 28–34</u>
Backman C, et al	An integrative review of the current evidence on the relationship between hand hygiene interventions and the incidence of health care-associated infections.	<u>Am J Infect Control 2008; 36: 333–348</u>
Bissett L.	Skin care: an essential component of hand hygiene and infection control.	<u>British J Nurs 2007; 16 :976–981.</u>
Bottone EJ, et al	Ineffectiveness of handwashing with lotion soap to remove nosocomial bacterial pathogens persisting on fingertips: a major link in their intrahospital spread.	<u>Infect Control Hosp Epidemiol 2004; 25: 262–264</u>
Boyce J, Pittet D	Guideline for Hand Hygiene in Health-Care Settings: Recommendations of the Healthcare Infection Control Practices Advisory Committee and the HICPAC/SHEA/APIC/IDSA Hand Hygiene Task Force.	<u>Morbidity and Mortality Weekly Report 2002; 51(RR-16): 1–44</u>
Boyce JM, et al	Lack of association between the increased incidence of <i>Clostridium difficile</i> -associated disease and the increasing use of alcohol-based hand rubs.	<u>Infect Control Hosp Epidemiol 2006; 27(5): 479–483.</u>
Gould DJ, et al	Interventions to improve hand hygiene compliance in patient care.	<u>J Hosp Infect 2008; 68(3): 193–202</u>

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Gould DJ, et al	The <i>cleanyourhands</i> Campaign: critiquing policy and evidence base.	<u>J Hosp Infect 2007; 65(2): 95–101</u>
Gordin FM, et al	Reduction in nosocomial transmission of drug-resistant bacteria after introduction of an alcohol-based handrub.	<u>Infect Control Hosp Epidemiol 2005; 26: 650–653</u>
Grayson ML, et al	Significant reductions in methicillin-resistant <i>Staphylococcus aureus</i> bacteraemia and clinical isolates associated with a multisite, hand hygiene culture-change program and subsequent successful statewide roll-out.	<u>Med J Australia 2008; 188: 633–640</u>
Harbarth S, et al	Interventional study to evaluate the impact of an alcohol-based hand gel in improving hand hygiene compliance.	<u>Pediatr Infect Dis J 2002; 21: 489–495</u>
Hugonnet S, Pittet D	Hand hygiene – beliefs or science?	<u>Clin Microbiol Infect 2000; 6(7): 350–356</u>
Hugonnet S, et al	Staffing level: a determinant of late-onset ventilator-associated pneumonia.	<u>Crit Care 2007; 11: R80</u>
Hugonnet S, et al	The effect of workload on infection risk in critically ill patients.	<u>Crit Care Med 2007; 35(1): 76–81</u>
Hugonnet S, et al	Alcohol-based handrub improves compliance with hand hygiene in intensive care units.	<u>Arch Intern Med 2002; 162(9): 1037–1043</u>
Johnson PD, et al	Efficacy of an alcohol/chlorhexidine hand hygiene program in a hospital with high rates of nosocomial methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) infection.	<u>Med J Aust 2005; 183: 9–14</u>
Kampf G, Löffler H	Prevention of irritant contact dermatitis among health-care workers by using evidence-based hand hygiene practices: a review.	<u>Ind Health 2007; 45(5): 645–652</u>
Kampf G, Kramer A	Epidemiologic background of hand hygiene and evaluation of the most important agents for scrubs and rubs.	<u>Clin Microbiol Rev, 2004, 17: 863–893</u>

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Kramer A, et al	Limited efficacy of alcohol-based hand gels.	<u>Lancet 2002; 359: 1489–1490</u>
Larson E, et al	A multifaceted approach to changing handwashing behavior.	<u>Am J Infect Control 1997; 25: 3–10</u>
Larson E, et al	Skin reactions related to hand hygiene and selection of hand hygiene products.	<u>Am J Infect Control 2006; 34(10): 627–635</u>
Le TA, et al	Reduction in surgical site infections in neurosurgical patients associated with a bedside hand hygiene program in Vietnam.	<u>Infect Control Hosp Epidemiol 2007; 28: 583–588</u>
Nguyen KV, et al	Effectiveness of an alcohol-based hand hygiene programme in reducing nosocomial infections in the Urology Ward of Binh Dan Hospital, Vietnam.	<u>Trop Med Int Health 2008; 13(10): 1297–1302</u>
Pessoa-Silva CL, et al	Dynamics of bacterial hand contamination during routine neonatal care.	<u>Infect Control Hosp Epidemiol 2004; 25: 192–197</u>
Pessoa-Silva CL, et al	Reduction of health care-associated infection risk in neonates by successful hand hygiene promotion.	<u>Pediatrics 2007; 120(2): e382–e390</u>
Pittet D, et al	Bacterial contamination of the hands of hospital staff during routine patient care.	<u>Archives of Internal Medicine 1999; 159(8): 821–826</u>
Pittet D, Kramer A	Alcohol-based hand gels and hand hygiene in hospitals.	<u>Lancet 2002; 360: 1511</u>
Pittet D, et al	Cost implications of successful hand hygiene promotion.	<u>Infection Control and Hospital Epidemiology 2004; 25: 264–266</u>
Pittet D	Clean hands reduce the burden of disease.	<u>Lancet 2005; 366: 185–186</u>

AUTHORS	TITLE	CITATION
Pittet D	Infection control and quality health care in the new millennium.	<u>Am J Infect Control 2005; 33(5): 258–267</u>
Pittet D	The Lowbury lecture: behaviour in infection control.	<u>J Hosp Infect 2004; 58: 1–13</u>
Pittet D	Promotion of hand hygiene: magic, hype, or scientific challenge.	<u>Infect Control Hosp Epidemiol 2002; 23(3): 118–119</u>
Pittet D	Compliance with hand disinfection and its impact on hospital-acquired infections.	<u>J Hosp Infect 2001; 48(SupplA): S40–S46</u>
Pittet D	Improving adherence to hand hygiene practice: a multidisciplinary approach.	<u>Emerging Infectious Diseases 2001; 7(2): 234–240</u>
Pittet D, Donaldson L	Clean Care is Safer Care: a worldwide priority.	<u>Lancet 2005; 366: 1246–1247</u>
Pittet D, et al	Prévention des infections liées aux soins : Premier Défi Mondial pour la Sécurité des Patients de l'Organisation Mondiale de la Santé.	<u>Hygiènes 2008; 16: 121–128</u>
Pittet D, et al	Infection control as a major World Health Organization priority for developing countries.	<u>J Hosp Infect 2008; 68: 285–292</u>
Pittet D, et al	Hand Hygiene: it's all about when and how.	<u>Infect Control Hosp Epidemiol; 2008 29(10): 957–959</u>
Pittet D, et al	The WHO Clean Care is Safer Care programme: Field-testing to enhance sustainability and spread of hand hygiene improvements.	<u>Journal of Infection and Public Health; 2008 1: 4–10</u>
Pittet D, et al	Double-blind, randomized, crossover trial of 3 hand rub formulations: fast-track evaluation of tolerability and acceptability.	<u>Infect Control Hosp Epidemiol; 2007 28(12): 1344–1351</u>

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Pittet D, et al	Evidence-based model for hand transmission during patient care and the role of improved practices.	<u>Lancet Infect Dis 2006; 6: 641–652</u>
Pittet D, et al	Considerations for a WHO European strategy on health-care-associated infection, surveillance, and control.	<u>Lancet Infect Dis 2005; 5: 242–250</u>
Pittet D, et al	Hand hygiene among physicians: performance, beliefs, and perceptions.	<u>Ann Intern Med 2004; 141(1): 1–8</u>
Pittet D, et al	Hand-cleansing during postanesthesia care.	<u>Anesthesiology 2003; 99(3): 530–535</u>
Pittet D	Infection control and quality health care in the new millenium.	<u>Am J Infect Control 2005; 33(5): 258–267</u>
Pittet D, et al	Effectiveness of a hospital-wide programme to improve compliance with hand hygiene.	<u>Lancet 2000; 356: 1307–1312</u>
Rosenthal VD, et al	Reduction in nosocomial infection with improved hand hygiene in intensive care units of a tertiary care hospital in Argentina.	<u>Am J Infect Control 2005; 33: 392–397</u>
Rotter M, et al	Comparative efficacy of hand hygiene agents in the reduction of bacteria and viruses.	<u>Am J Infect Control 2005; 33(9): 558–560</u>
Sax H, et al	‘My five moments for hand hygiene’: a user-centred design approach to understand, train, monitor and report hand hygiene.	<u>J Hosp Infect 2007; 67(1): 9–21</u>
Sax H, et al	Determinants of good adherence to hand hygiene among healthcare workers who have extensive exposure to hand hygiene campaigns.	<u>Infect Control Hosp Epidemiol 2007; 28(11): 1267–1274</u>
Sax H, et al	Knowledge of standard and isolation precautions in a large teaching hospital.	<u>Infect Control Hosp Epidemiol 2005; 26(3): 298–304</u>

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Sickbert-Bennett EE, et al	Comparative efficacy of hand hygiene agents in the reduction of bacteria and viruses.	Am J Infect Control 2005; 33(2): 67–77
Snyder R	Hardwiring hand hygiene among staff members.	Nurs Manage 2008; 39(2): 14
Storr J, et al	Information and announcement on the First Global Patient Safety Challenge: Clean Care is Safer Care.	Int J Infect Control 2007; 3(2)
Traore O, et al	Liquid versus gel handrub formulation: a prospective intervention study.	Critical Care 2007; 11(3): R52
Whitby M, et al	Three successful interventions in health care workers that improve compliance with hand hygiene: is sustained replication possible?	Am J Infect Control 2008; 36(5): 349–355
Whitby M, et al	Behavioural considerations for hand hygiene practices: the basic building blocks.	J Hosp Infect 2007; 65: 1–8
Widmer A, et al	Surgical hand antisepsis with an alcohol-based hand rub: comparison of effectiveness after 1.5 and 3 minutes of application.	Infect Control Hosp Epidemiol 2009; 30(5):420-6
Won SP et al	Handwashing program for the prevention of nosocomial infections in a neonatal intensive care unit.	Infect Control Hosp Epidemiol 2004; 25: 742–746