





Hand hygiene promotion: a worldwide priority

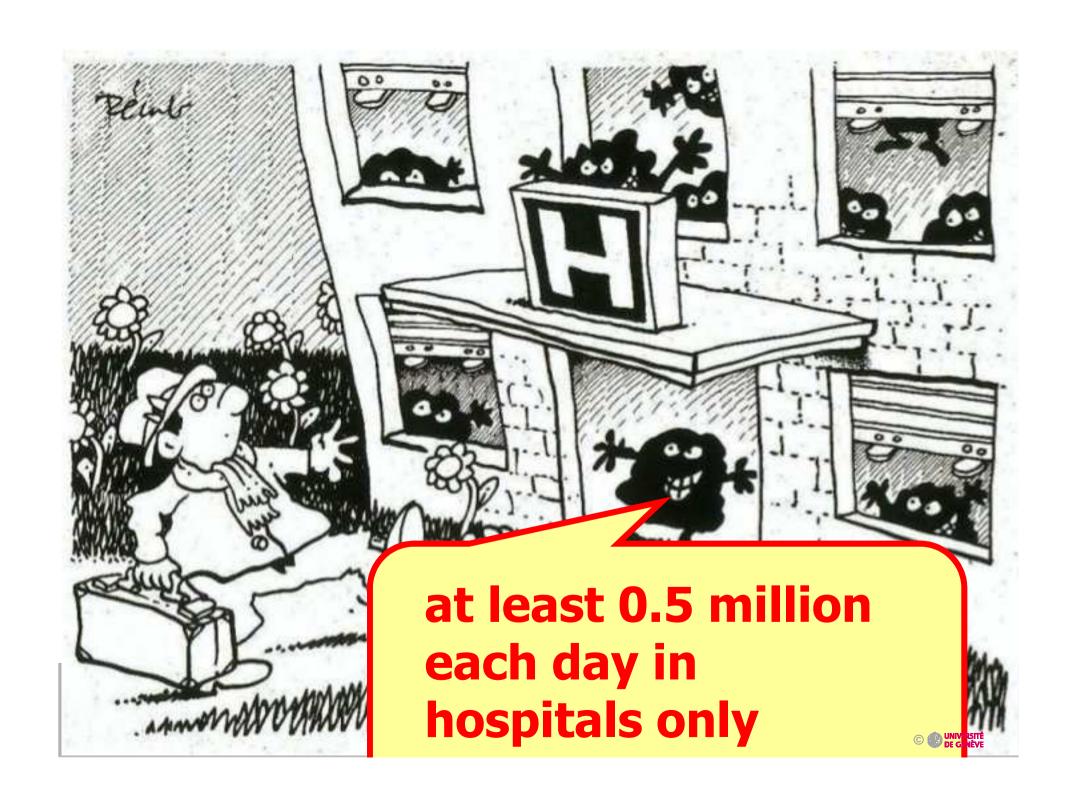
World Health Organization Clean Care is Safer Care programme

Professor Didier Pittet, MD, MS,

Infection Control Programme
WHO Collaborating Centre on Patient Safety
University of Geneva Hospitals, Switzerland



Lead Adviser, 1st Global Patient Safety Challenge, & African Partnerships for Patient Safety, World Health Organization (WHO) Patient Safety

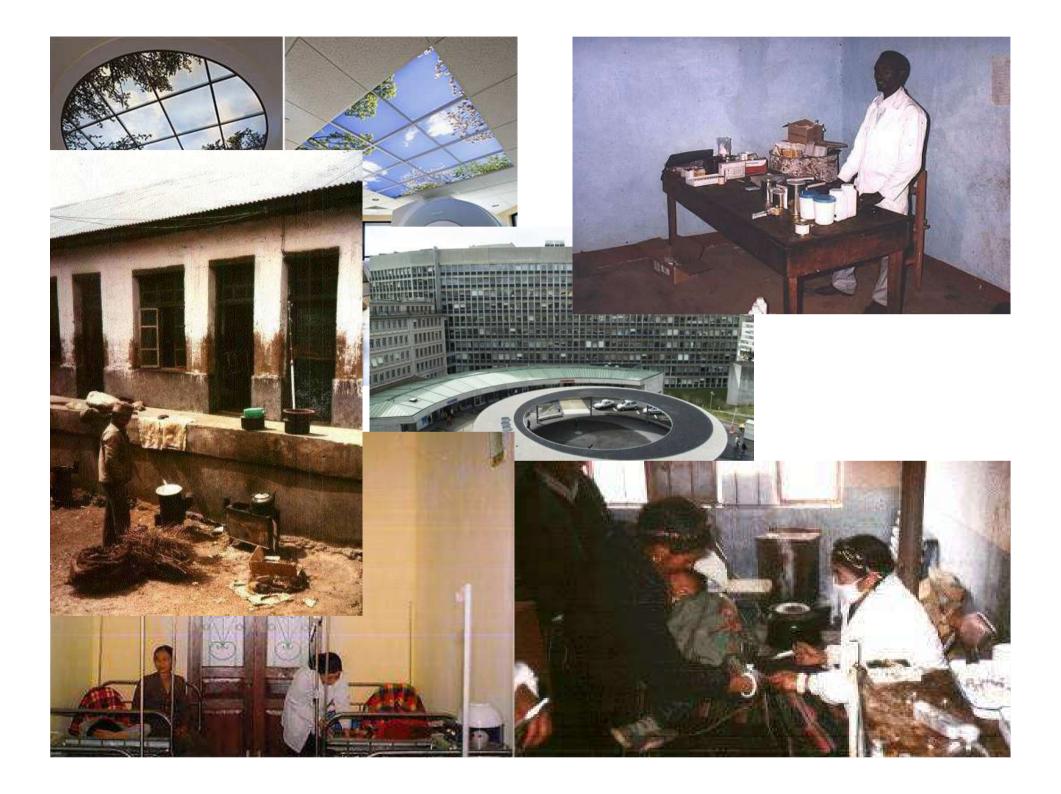


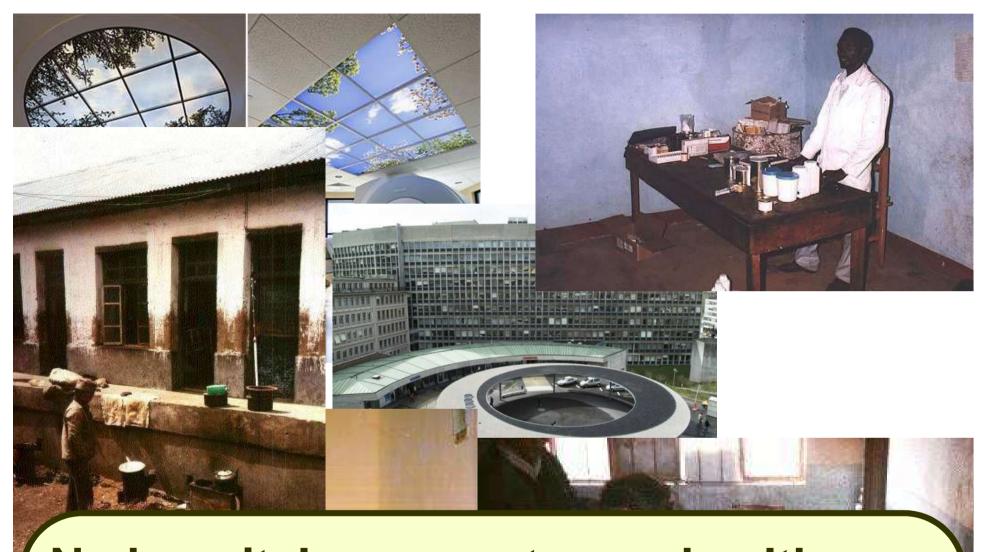












No hospital, no country, no healthcare system in the world can claim to have solved the problem



Compliance < 40%

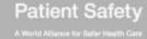




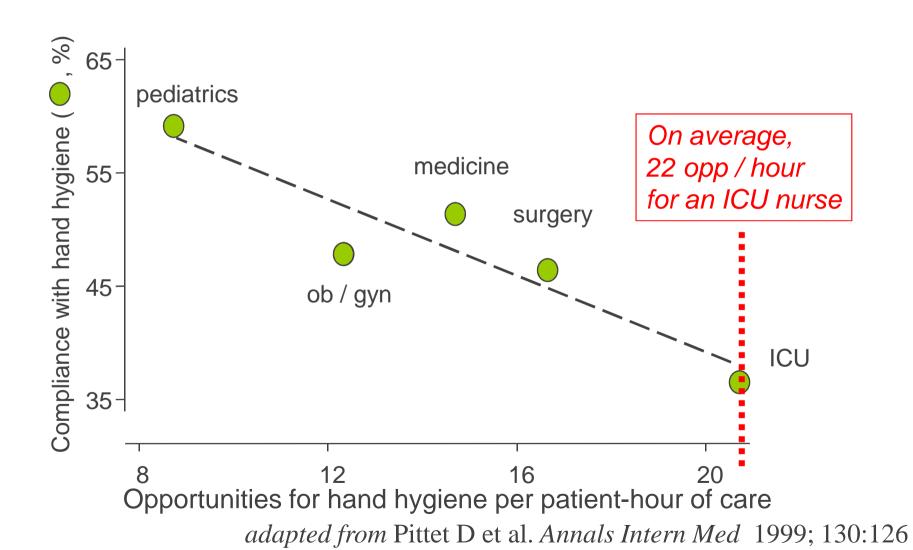
Hôpitaux Universitaires de Genève

University of Geneva Hospitals, 1994





Relation between opportunities for hand hygiene for nurses and compliance across hospital wards



Time constraint = major obstacle for band bygions

for hand hygiene

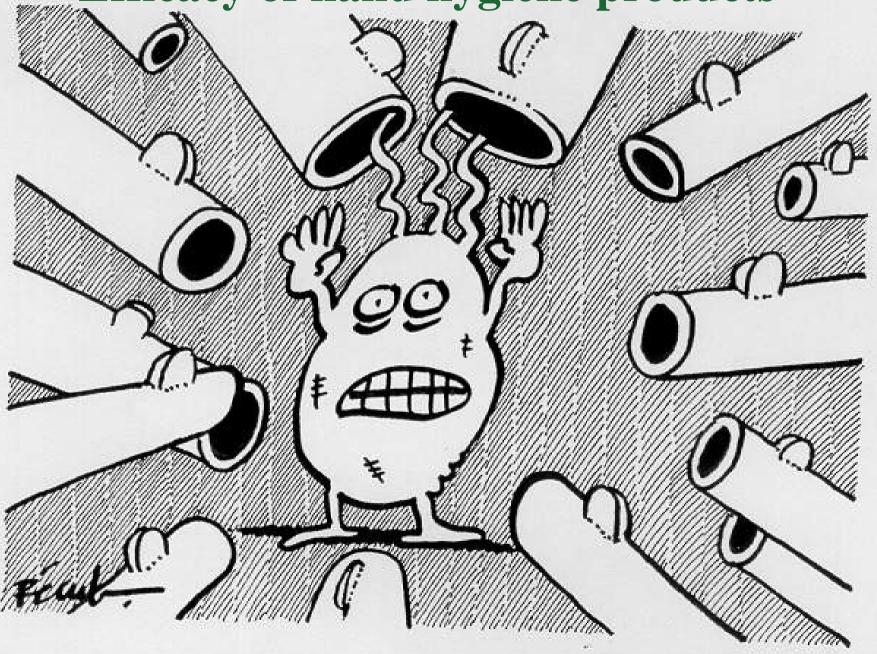
handwashing soap + water

1 to 1.5 min

alcohol-based hand rub

15 to 20 sec

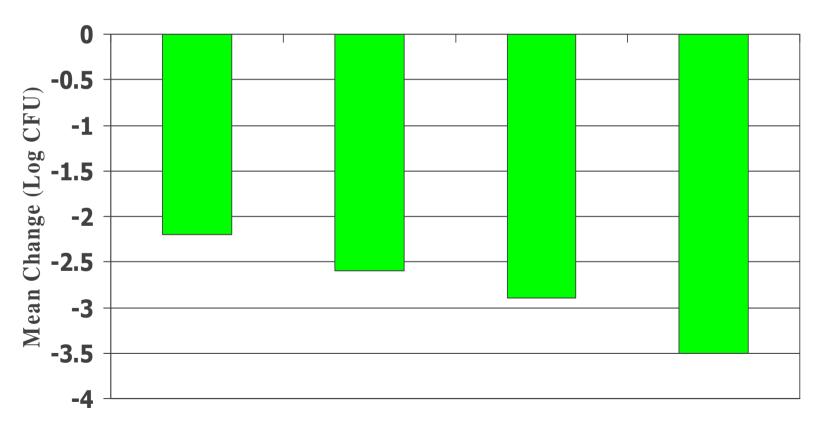




Efficacy of hand hygiene products

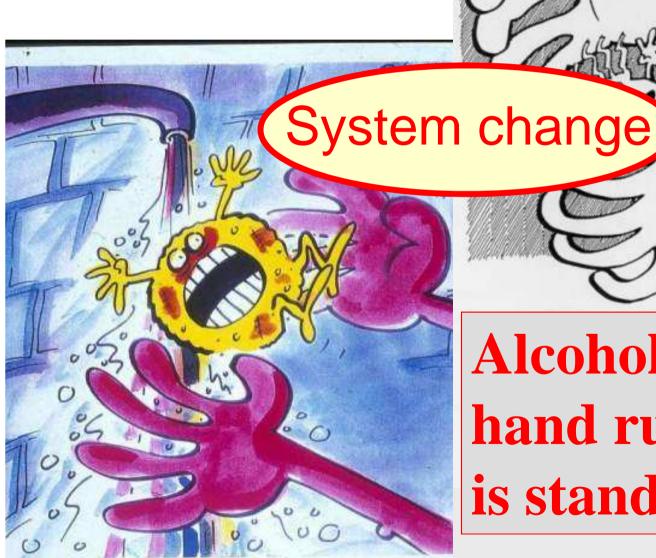
Log reduction in bacterial counts after 30 sec

Soap Iodophor 4% CHG 70% Alcohol



Ayliffe GAJ et al. J Hosp Infection 1988;11:226

Handwashing ...
an action of the past
(except when hands are visibly soiled)



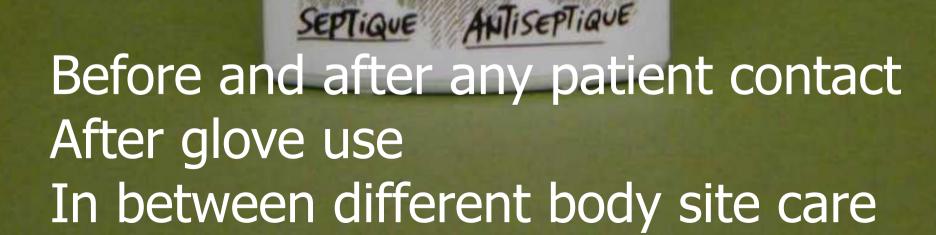
Alcohol-based hand rub is standard of care







The University of Geneva Hospitals, 1995



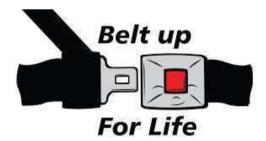
Would it make a diference ?

Changing behavior a universal challenge





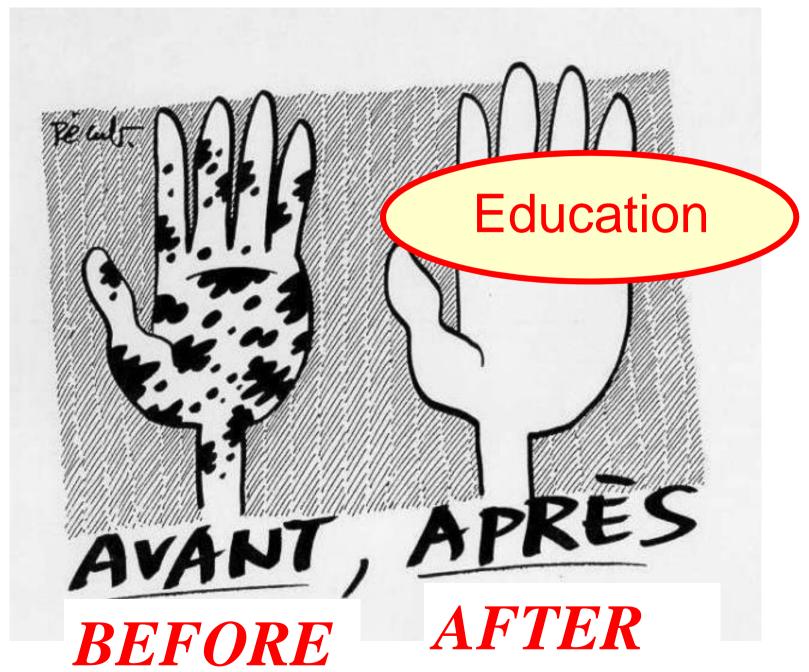








The University of Geneva Hospitals (HUG), 1995



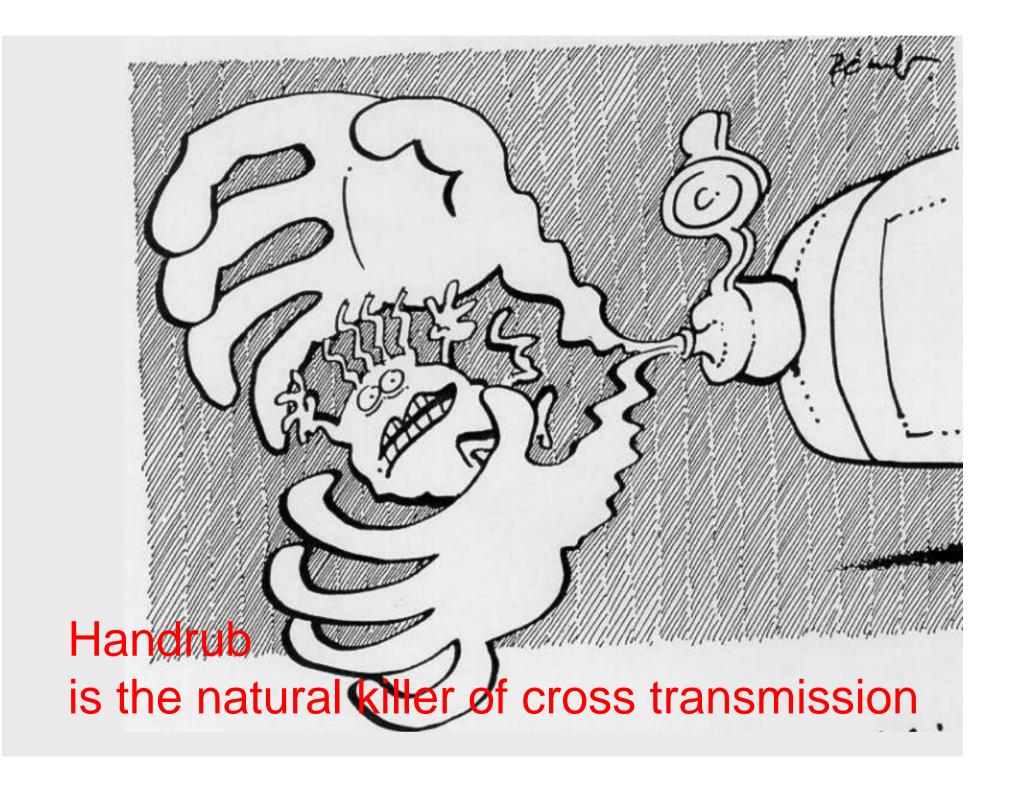
The University of Geneva Hospitals (HUG), 1995 - 1998

« Talking walls »



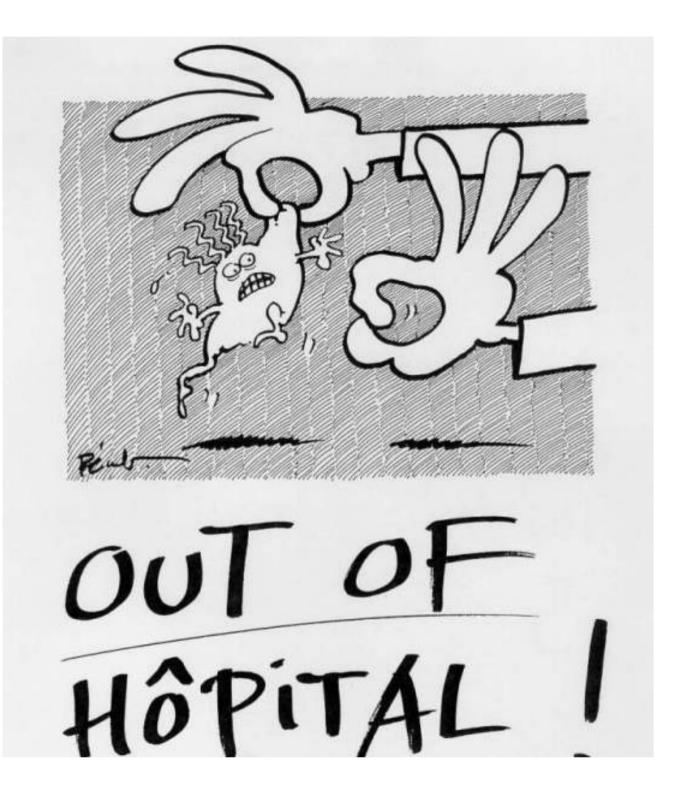






Dirty Staph

...out
of
hospital







HUG 1995 - 1998



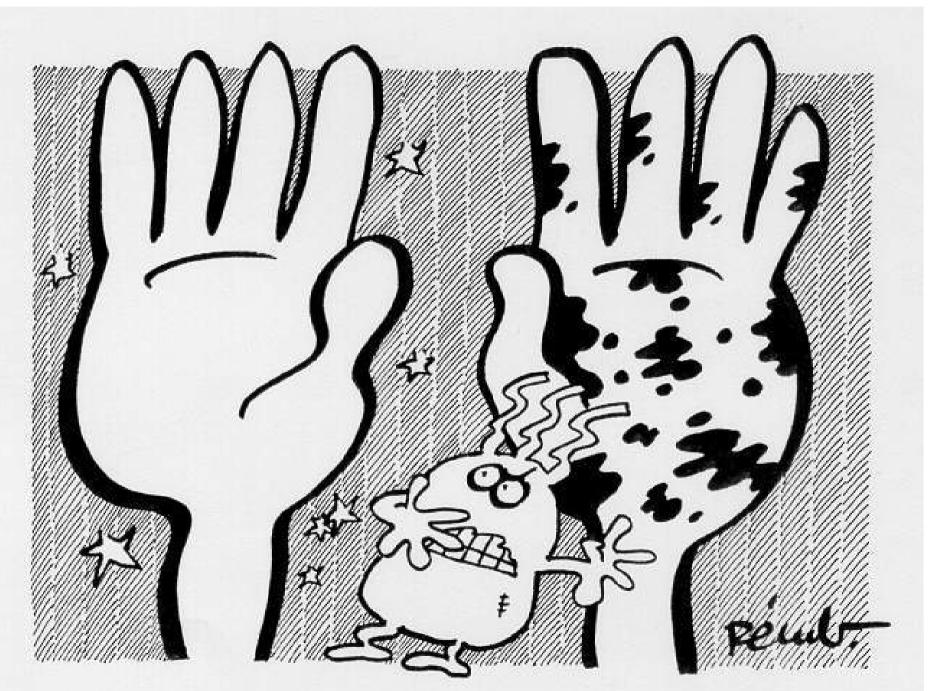
HUG 1995 - 1998



HUG 1995 - 1998



HUG 1995 - 1998



The University of Geneva Hospitals (HUG), 1995 - 1998

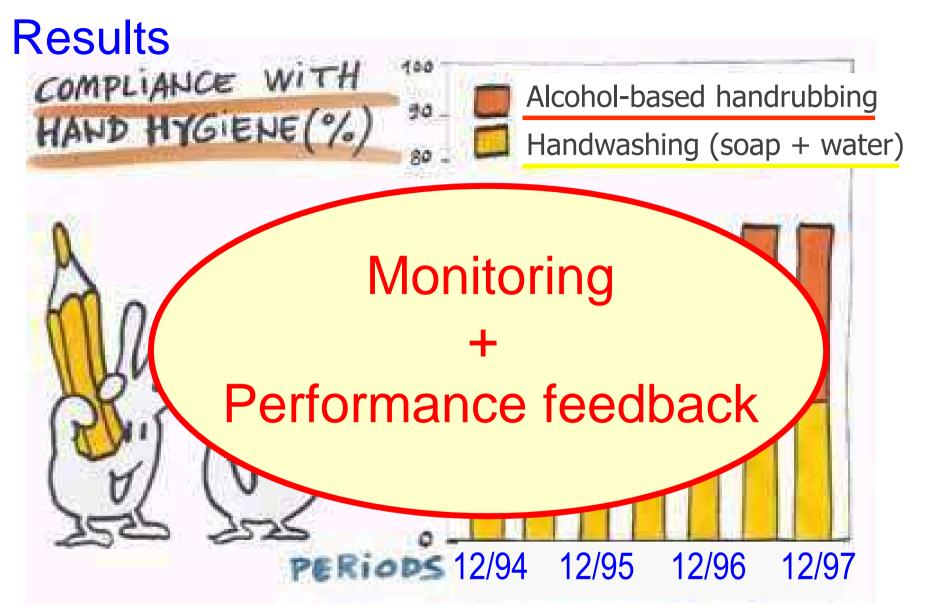


HOPITAL CANTONAL DE GENEVE CONTRE STAPH LE SÂLE, LES HOSTILITES VONT COMMENCER! Hospitals against

Dirty Staph:

war has been

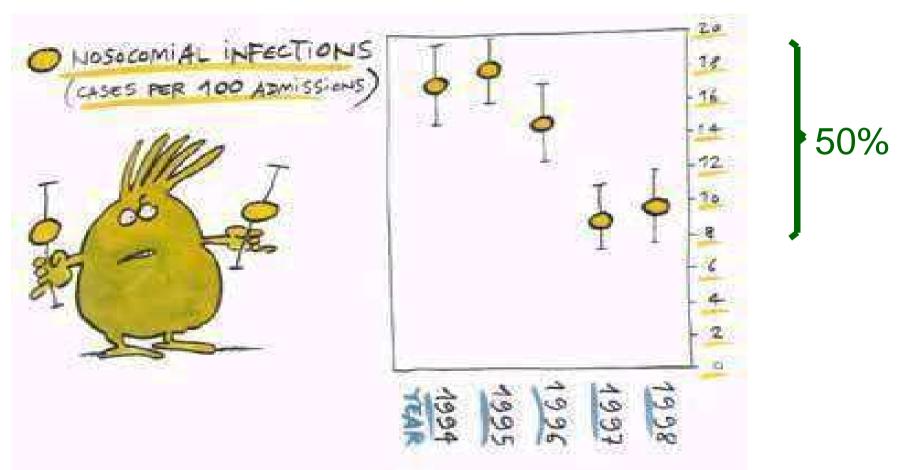
declared



www.hopisafe.ch

Pittet D et al, Lancet 2000; 356: 1307-1312

Hospital-wide nosocomial infections; trends 1994-1998



www.hopisafe.ch

Pittet D et al, *Lancet* 2000; 356: 1307-1312

The University of Geneva Hospitals (HUG), 8 years follow-up



Pittet D et al, Inf Control Hosp Epidemiol 2004; 25:264

Effectiveness of a hospital-wide programme to improve compliance with hand hygiene

Didier Pittet, Stéphane Hugonnet, Stephan Harbarth, Philippe Mourouga, Valérie Sauvan, Sylvie Touveneau, Thomas V Perneger, and members of the Infection Control Programme

THE LANCET Vol 256 – October 14, 2000

« Geneva model » of hand hygiene promotion, Reproduced with success (2002-2005)

- in single hospitals in France, Belgium, USA, Australia ...
- in multiple hospitals in Hong Kong, Australia, Belgium, ...
- in national promotion campaigns: Belgium, the UK, Switzerland



World Health Organization (WHO), Geneva, Switzerland, 2005

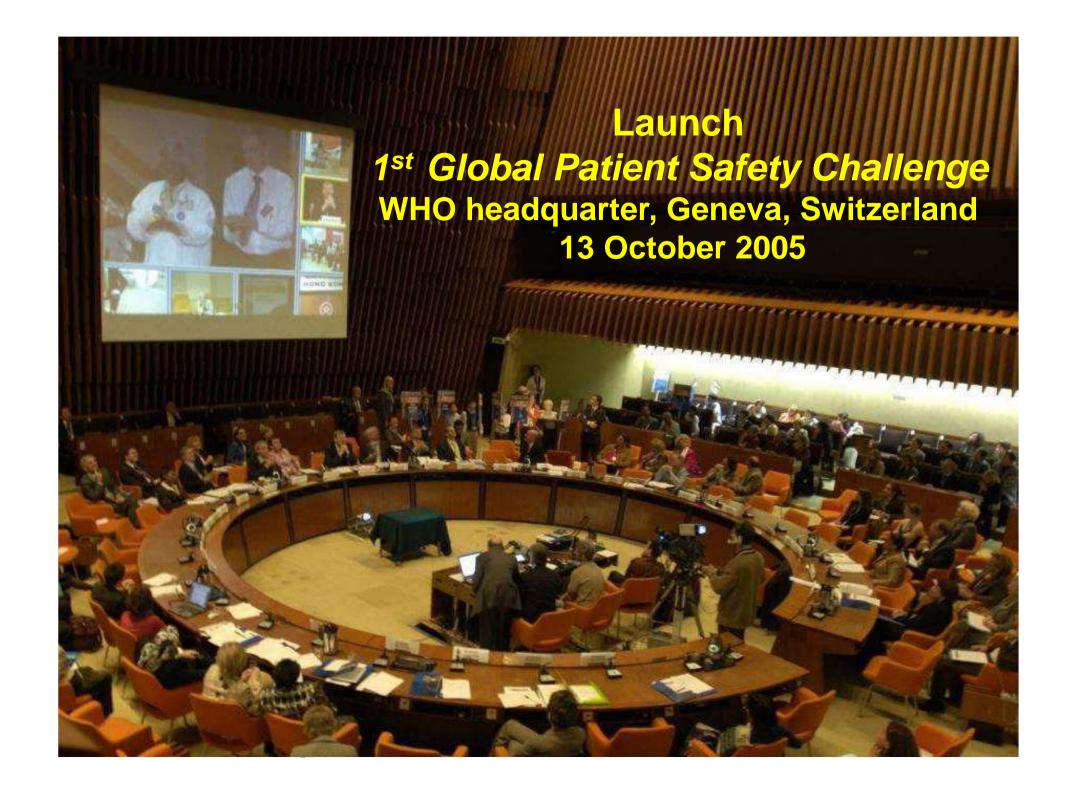


Through the promotion of best practices in hand hygiene and infection control, the 1st Global Patient Safety Challenge aims to reduce health care-associated infection (HCAI) worldwide









Political commitment is essential to achieve improvement in infection control

Ministerial pledges to the 1st Global Patient Safety Challenge

I resolve to work to reduce health care-associated infection (HCAI) through actions such as:

- acknowledging the importance of HCAI;
- hand hygiene campaigns at national or sub-national levels;
- sharing experiences and available surveillance data, if appropriate;
- using WHO strategies and guidelines...







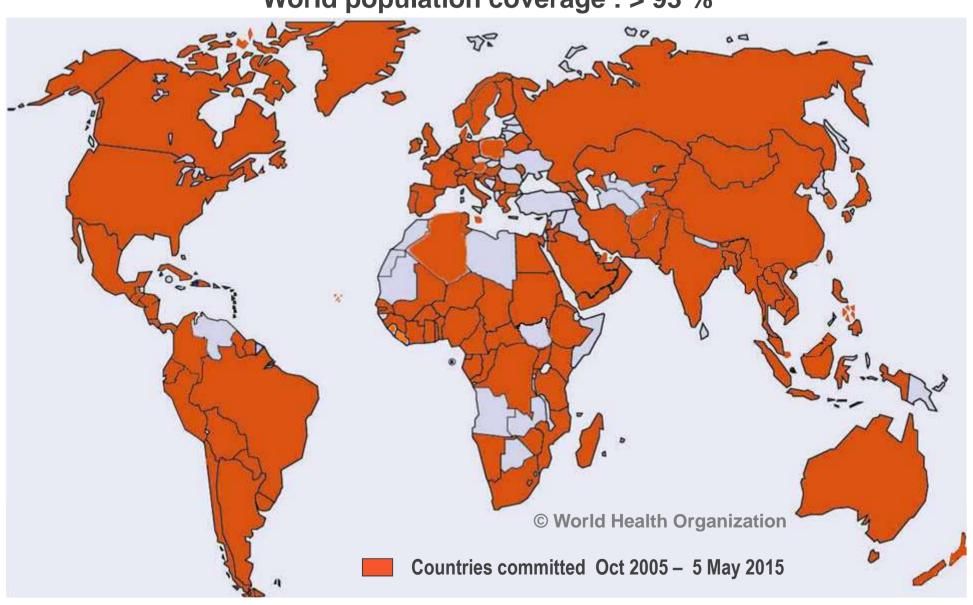






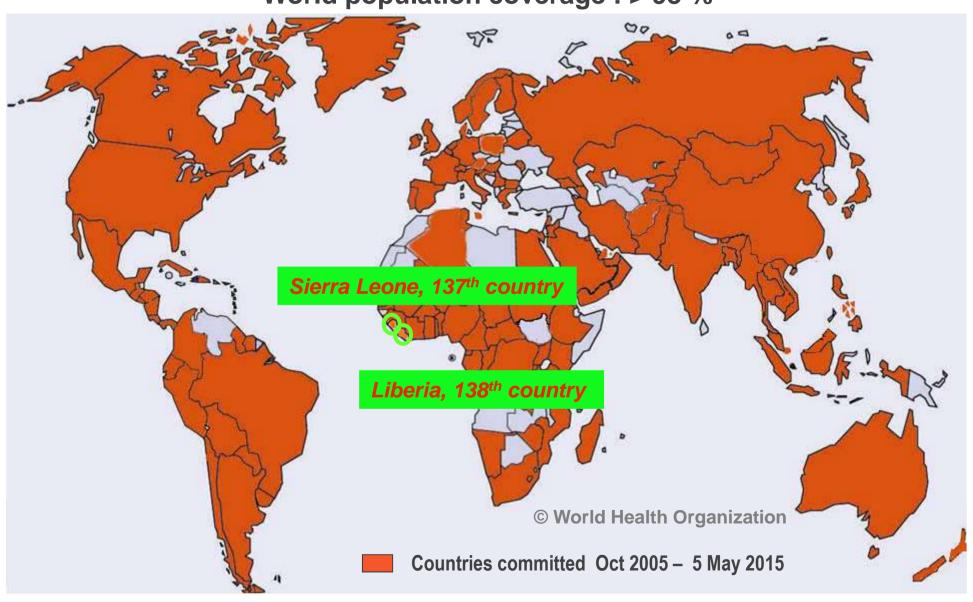
138 countries committed to address health care-associated infection

World population coverage : > 93 %



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World population coverage : > 93 %

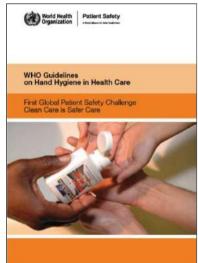


Implementation strategy and toolkit for the WHO Guidelines on Hand Hygiene in Health Care

Knowledge & evidence



Action









What is the WHO Multimodal Hand Hygiene Improvement Strategy?

Based on the evidence and recommendations from the WHO Guidelines on Hand Hygiene in Health Care (2009), made up of 5 core components, to improve hand hygiene in healthcare settings

ONE System change
Alcohol-based handrubs at point of care
and access to safe continuous water supply, soap and towels



TWO Training and education

Providing regular training to all health-care workers



THREE Evaluation and feedback

Monitoring hand hygiene practices, infrastructure, perceptions, & knowledge, while providing results feedback to health-care workers



FOUR Reminders in the workplace

Prompting and reminding health-care workers



FIVE Institutional safety climate

Individual active participation, institutional support, patient participation



The My Five Moments approach

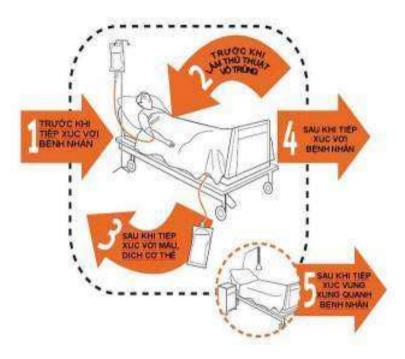
Making it easier to

- understand
- remember
- practice
 the hand hygiene indications at the point of care

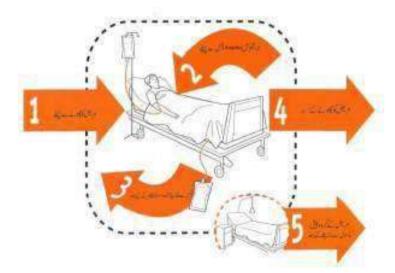


Sax H, Allegranzi B, Uçkay I, Larson E, Boyce J, Pittet D. J Hosp Infect 2007;67:9-21









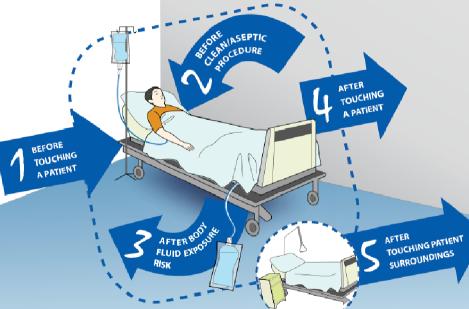




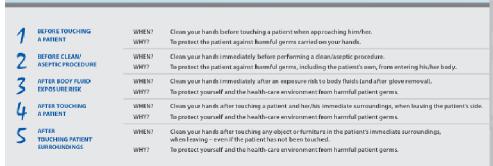
حملة غسل الأيدي ٢٠٠٨ Your 5 moments for HAND HYGIENE















齊齊潔手5時刻

院舍醫院一樣得!

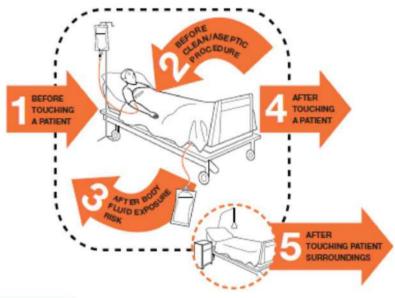








Your 5 Moments for Hand Hygiene



1	A PATENT		tre touthing a patient when approaching himfler: Lagainst hemital germs canted on your hands.
2	REFORE CLEAN ASSPTIC PROCEDURE		mediately before performing a clean/anaptic procedure. against hamful germs, including the patient's cen, from entering his/her body.
3	AFTER BODY FLUID EXPOSURE RISK		medialaky affar an seposum stok to body fluide jerd affar glove nemosalj. ni the health-case sevinonmeni from hamful patieni (genne.
4	AFTER TOUCHENS A PATEINT		or bracthing a publisht and his finis immediate surroundings, when leaving the publisht's side, of the health-case environment from harmful publisht gentse.
5	AFTER TOUCHING PRITERT SURFICUNITINGS	WIGOT Clear your hands after backing any object or furniture in the patient's immediate sustainings, when leaving—own if the patient has not been backled. WIGOT Operated yourself and the health case environment from harmful patient germs.	



Patient Safety

SAVE LIVES Clean Your Hands

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M- 2773

How to Handrub?

RUB HANDS FOR HAND HYGIENE! WASH HANDS WHEN VISIBLY SOILED

Duration of the entire procedure: 20-30 seconds





2

Apply a palmful of the product in a cupped hand, covering all surfaces;

Rub hands palm to palm;



Right palm over left dorsum with interlaced fingers and vice versa;



Palm to palm with fingers interlaced;



Backs of fingers to opposing palms with fingers interlocked;



Rotational rubbing of left thumb clasped in right palm and vice versa;



Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa:



Once dry, your hands are safe.



Patient Safety

White Street or Street State Con-

SAVE LIVES Clean Your Hands

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VIDEOS IN CLINICAL MEDICINE

Hand Hygiene

Yves Longtin, M.D., Hugo Sax, M.D., Benedetta Allegranzi, M.D., Franck Schneider, and Didier Pittet, M.D.

FREE AVAILABLE at http://www.nejm.org/doi/full/10.1056/NEJMvcm0903599

OVERVIEW

Health-care associated infections are a threat to patient safety and the most common adverse events resulting from a stay in the hospital.¹ Approximately 5 to 10% of hospitalized patients in the developed world acquire such infections, and the burden of disease is even higher in developing countries. Proper use of hand hygiene is a critical to the prevention of these infections, but compliance among health care workers is most often below 40%.

Hand hygiene serves many purposes in the health care setting.¹ It prevents both endogenous and exogenous infections in patients, contamination of the hospital environment with potential pathogens, and cross-transmission of microorganisms between patients. When used in conjunction with the appropriate protective equipment, it also protects health care workers from the hazards of occupational infections.

EQUIPMENT

Essential equipment for the performance of adequate hand hygiene includes an alcohol-based hand-rub formulation or soap, water, and drying agents such as disposable paper or cloth towels. Alcohol-based hand rubs with optimal antimicrobial efficacy usually contain 75 to 85% ethanol isopropanol or a com-

From the Infection Control Program, University of Geneva Hospitals and Faculty of Medicine (Y.L., H.S., D.P.); World Health Organization (WHO) Patient Safety, WHO Headquarters (B.A., D.P.); and the Communication Service (F.S.) and WHO Collaborating Center for Patient Safety (D.P.) — all in Geneva. Address reprint requests to Dr. Pittet at the Infection Control Program, University of Geneva Hospitals and Faculty of Medicine, 4 Rue Gabrielle-Perret Gentil, 1211 Geneva 14, Switzerland, or at didier.pittet@hcuge.ch.

*Drs. Longtin and Sax contributed equally to this article.

N Engl J Med 2011;364:e24.

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FREE AVAILABLE at http://www.nejm.org/doi/full/10.1056/NEJMvcm0903599

VIDEOS IN CLINICAL MEDICINE

Hand Hygiene

Yves Longtin, M.D., Hugo Sax, M.D., Benedetta Allegranzi, M.D., Franck Schneider, and Didier Pittet, M.D. N Engl J Med 2011; 364:e24 | March 31, 2011





E LIVES Your Hands

VIDEOS IN CLINICAL MEDICINE

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Translated in:

- -French
- -Portuguese
- -Japanese
- -Spanish
- -Italian
- -German
- -Chinese
- -Russian
- -Arabic
- -Turkish
- -Polish
- -Vietnamese

-Available soon:

- -Shewali

Using innovative ways around the world to apply the 5 Moments



Translated in:

- -French
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- -Russian
- -Romanian
- -Turkish

Available soon

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- -Urdu.....

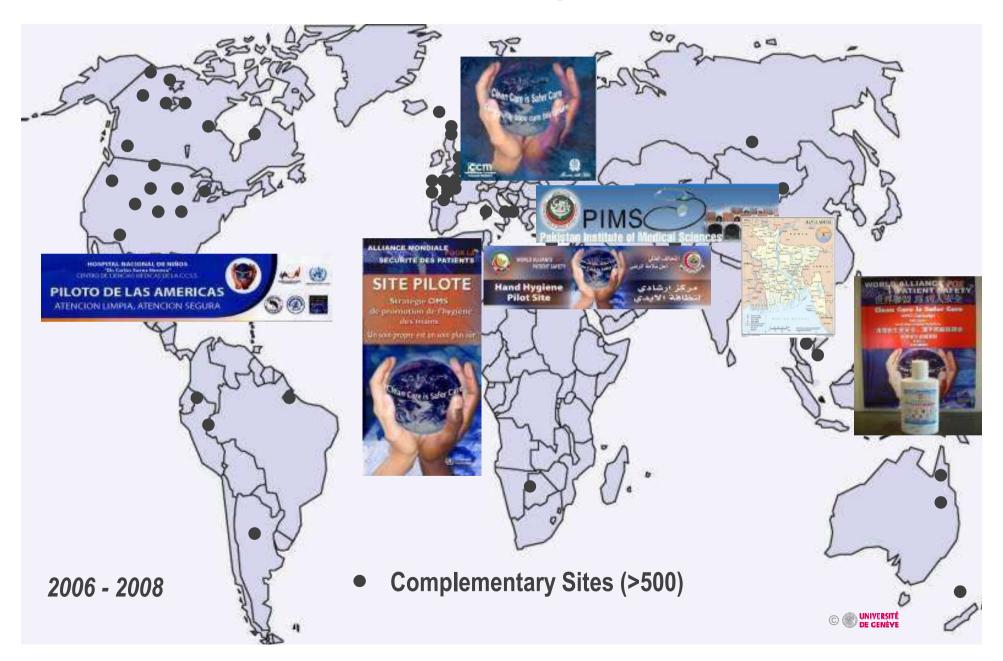
http://www.who.int/gpsc/5may/hand_hygiene_video/en/



Evidence of successful implementation of the strategy worldwide...

Field testing the implementation of the WHO strategy (2006-2008)

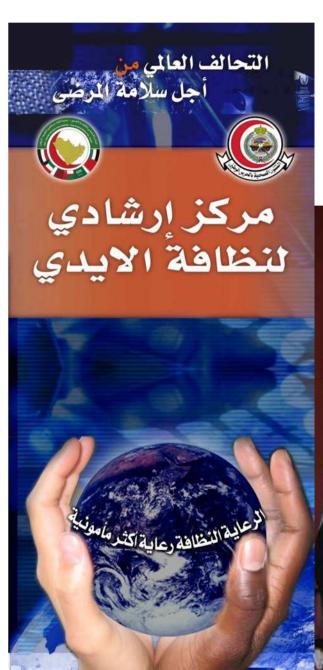
Allegranzi B et al. Lancet Infect Diseases 2013











Overcoming religious barriers







Kingdom of Saudi Arabia June, 2006

THE LANCET

23. Viewpoint

Muslim health-care workers and alcoholbased handrubs

Mar 25, 2006 Preview | Full Text | PDF

The Lancet, Vol. 367 No. 9515 pp 1025-1027 Hand hygiene is the cornerstone of prevention of health-care-associated infection, 1,2 Evidence suggests that topical alcohol-based solutions are better than detergent-based cleansers for improving compliance and effectiveness of hand hygiene in health-care settings, 2-6 However, the UK National Patient Safety Agency (NPSA; Glenister H, personal communication) and others?—9 have recently reported that some Muslim health-care workers consider that they are unable to comply with these new recommendations, citing religious objections.

Lancet 2006; 367:1025





Patient Safety

A World Allerton for Saler Health Care

SAVE LIVES
Clean Your Hands

















Kenya, Africa, January 2006



Guide to the local production of the license-free WHO alcohol-based handrub formulation

From sugar can byproducts, at low costs – Mali, Africa, 2007

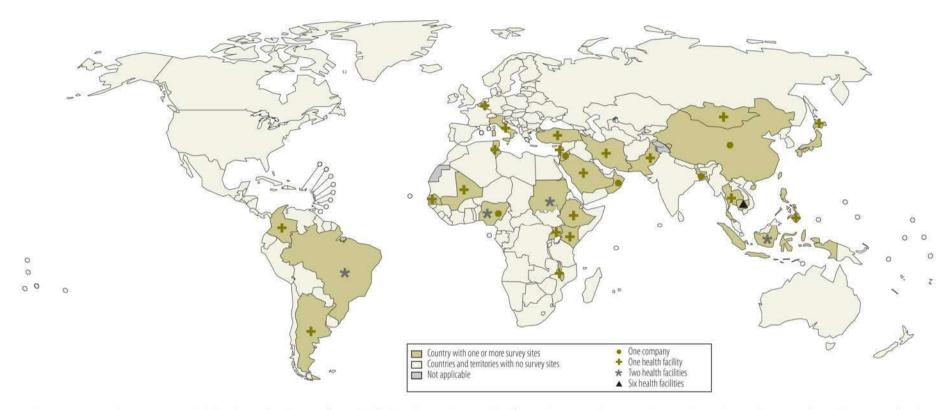




Patient Safety

A World Alliance for Safer Health Care

SAVE LIVES Clean Your Hands



Note: There was one site each in Argentina, Bangladesh, Belgium, China (Province of Taiwan), Colombia, Ethiopia, Islamic Republic of Iran, Italy, Japan, Jordan, Kenya, Lebanon, Malawi, Mali, Mongolia, Oman, Pakistan, Philippines, Saudi Arabia, Senegal, Thailand, Tunisia, Turkey and Uganda; two sites each in Brazil, Indonesia and Sudan; three in Nigeria; and six in Cambodia.

Source: Public Health Information and Geographic Information Systems, World Health Organization.

Bull World Health Organ vol.91 n.12 Geneva Dec. 2013 Epub Sep 30, 2013

Local production of WHO-recommended alcohol-based handrubs: feasibility, advantages, barriers and costs

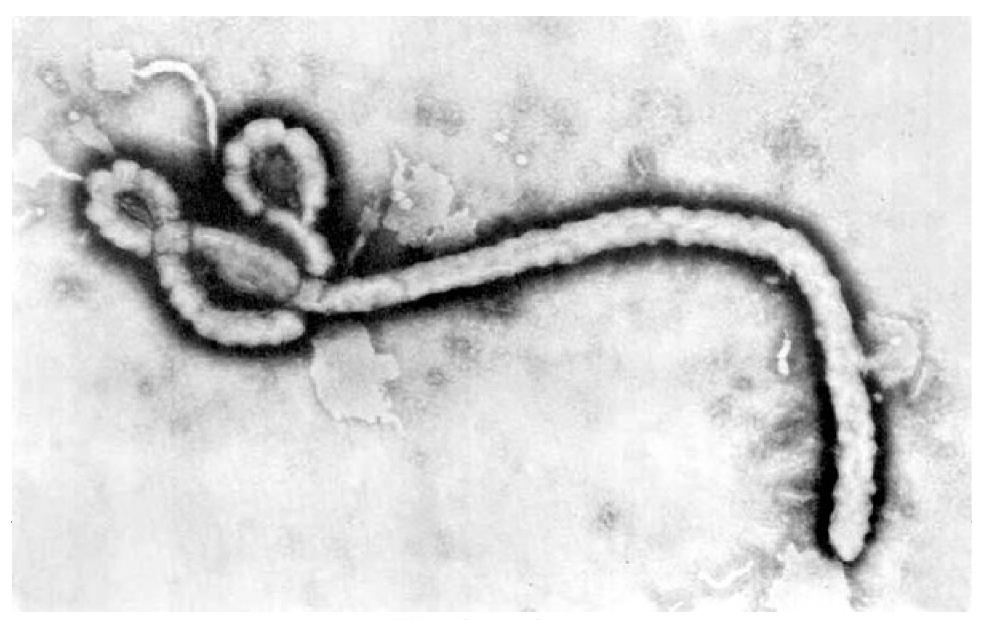
Joanna Bauer-Savage, Didier Pittet, EunMi Kim & Benedetta Allegranzi

Universal system change implemented (handrubbing vs handwashing)









Ebola virus







Kit for the local preparation of the WHO alcohol-based formulation for hand hygiene *Destination: Monrovia, Liberia, October 2014*

Sticker for the locally prepared alcohol-based WHO formulation for hand hygiene

Destination: Monrovia, Liberia, October 2014



Alcohol-02520 handrub

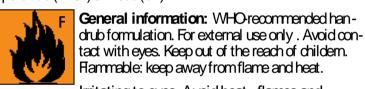
Apply a palmful (3 ml)

 Cover all surfaces of the hands

Rub hands until dry

CleanHandsSaveLives.org

Composition: Ethanol 80 % (v/v), Gycerol 1.45 % (v/v) Hydrogen peroxide (H2O2) 0.125% (v/v).



Highly



flammable

Irritating to eyes. Avoid heat, flames and other sources of ignition. Vapours may cause drowsiness and dizziness. Keep out of reach of children.

General information: WHO recommended han-

Do not use after the expiry date.

For external use only

Irritant

		Ī				k k	11
ôpitaux Universitaires de Genève							

University of Geneva Hospitals and Faculty of Medicine, Geneva, Switzerland



Photographie Jean-Baptiste Huyn

WHO Collaborating Center on Patient Safety fection Control & Impro ving Practices **Exp.:**

Batch:









Local production of the WHO alcohol-based formulation, Monrovia, Liberia November 2014 (Courtesy Dr Olivier Hagon)



















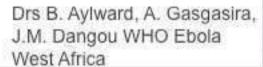


WHO leadership commitment – hand hygiene and Ebola in 2015





Dr A. Nordstrom, WR, Sierra Leone







Dr E. Kelley, Director, WHO HQ SDS

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SAVE LIVES Clean Your Hands





Allegranzi B. et al. Lancet Infectious Diseases, 2013; Aug 22

Global implementation of WHO's multimodal strategy for improvement of hand hygiene: a quasi-experimental study



Benedetta Allegranzi, Angèle Gayet-Ageron, Nizam Damani, Loséni Bengaly, Mary-Louise McLaws, Maria-Luisa Moro, Ziad Memish, Orlando Urroz, Hervé Richet, Julie Storr, Liam Donaldson, Didier Pittet

Summary

Background Health-care-associated infections are a major threat to patient safety worldwide. Transmission is mainly via the hands of health-care workers, but compliance with recommendations is usually low and effective improvement strategies are needed. We assessed the effect of WHO's strategy for improvement of hand hygiene in five countries.

Methods We did a quasi-experimental study between December, 2006, and December, 2008, at six pilot sites (55 departments in 43 hospitals) in Costa Rica, Italy, Mali, Pakistan, and Saudi Arabia. A step-wise approach in four 3–6 month phases was used to implement WHO's strategy and we assessed the hand-hygiene compliance of health-care workers and their knowledge, by questionnaire, of microbial transmission and hand-hygiene principles. We expressed compliance as the proportion of predefined opportunities met by hand-hygiene actions (ie, handwashing or hand rubbing). We assessed long-term sustainability of core strategy activities in April, 2010.

Findings We noted 21884 hand-hygiene opportunities during 1423 sessions before the intervention and 23746 opportunities during 1784 sessions after. Overall compliance increased from 51.0% before the intervention (95% CI 45.1–56.9) to 67.2% after (61.8–72.2). Compliance was independently associated with gross national income per head, with a greater effect of the intervention in low-income and middle-income countries (odds ratio [OR] 4.67, 95% CI 3.16–6.89; p<0.0001) than in high-income countries (2.19, 2.03–2.37; p<0.0001). Implementation had a major effect on compliance of health-care workers across all sites after adjustment for main confounders (OR 2.15, 1.99–2.32). Health-care-workers' knowledge improved at all sites with an increase in the average score from 18.7 (95% CI 17.8–19.7) to 24.7 (23.7–25.6) after educational sessions. 2 years after the intervention, all sites reported ongoing hand-hygiene activities with sustained or further improvement, including national scale-up.

Interpretation Implementation of WHO's hand-hygiene strategy is feasible and sustainable across a range of settings in different countries and leads to significant compliance and knowledge improvement in health-care workers, supporting recommendation for use worldwide.

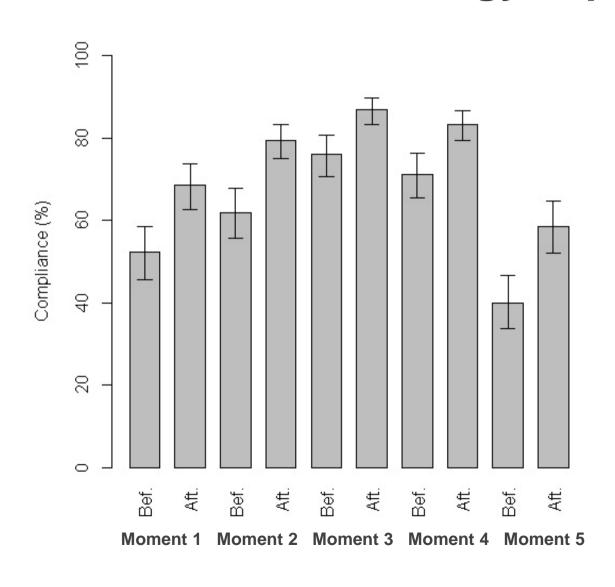
Published Online August 23, 2013 http://dx.doi.org/10.1016/ S1473-3099(13)70163-4

See Online/Comment http://dx.doi.org/10.1016/ S1473-3099(13)/70223-8

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First Global Patient Safety Challenge, WHO Patient Safety Programme, WHO, Geneva, Switzerland (B Allegranzi MD); Infection Control Programme and WHO Collaborating Centre on Patient Safety, University of Geneva Hospitals and Faculty of Medicine, Geneva, Switzerland (A Gayet-Ageron MD, Prof D Pittet MD); Craigavon Area Hospital, Portadown, UK (N Damani M D); Hôpital Gabriel Touré, Barnako, Mali (L Bengaly PhD); University of New South Wales (UNSW), School of Public Health and

Hand hygiene compliance by indication before and after strategy implementation



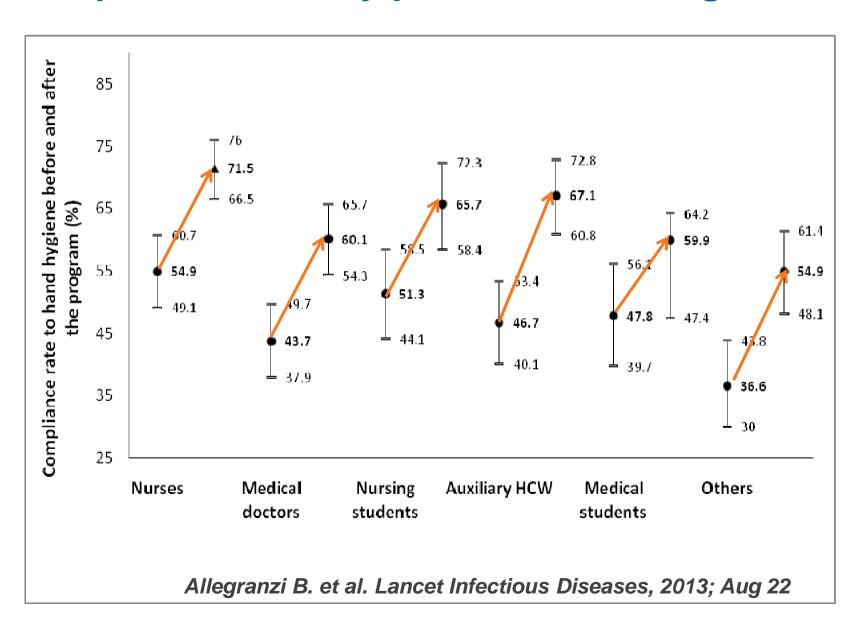
Overall compliance improved:

from 51% to 67%



Allegranzi B. et al. Lancet Infectious Diseases, 2013; Aug 22

Hand hygiene compliance rates before and after the implementation by professional categories



Effect of the WHO intervention strategy on Hand Hygiene compliance by Pilot Site

Pilot site	Number of opportunities	Odds Ratio	95% CI	P Value
Costa Rica	2100	5.82	3.28-10.32	< 0.001
Italy	18906	2.27	2.00-2.57	< 0.001
Mali	3546	2.40	1.62-3.55	< 0.001
Pakistan	1332	2.48	1.75-3.52	< 0.001
Saudi Arabia KAMC	2829	2.54	2.00-3.21	< 0.001
Saudi Arabia KSMC	15621	1.83	1.60-2.09	<0.001

Overall effect: OR = 2.15; 95% CI, 1.99-2.32; P < .001

Allegranzi B. et al. Lancet Infectious Diseases, 2013; Aug 22

Effect of the WHO Intervention Strategy on Hand Hygiene Compliance by Patient Population

Patient population	Number of opportunities	Odds Ratio	95% CI	P Value
Intensive care units	28096	2.09	1.90-2.30	<0.001
Surgery wards	7383	2.88	2.34-3.54	<0.001
Emergency wards	2034	0.99	0.72-1.36	0.94
Internal medicine wards	1815	7.31	4.10-13.02	<0.001
Pediatric wards	1664	3.99	2.74-5.81	<0.001
Others	3342	0.71	0.51-0.98	0.04

Indicators of long-term sustainability (2 years follow-up)

Number of Site sites/total

Strategy implementation continued	6/6	All
Alcohol-based handrub continued to be available*	5/5	All
Educational sessions repeated at least once a year*	5/5	All
Hand hygiene compliance monitoring and feedback repeated regularly*	4/5	Costa Rica, Mali, Saudi KAMC and KSMC
Implementation expanded to other hospitals in the country	5/6	Costa Rica, Italy, Mali, Saudi KAMC and KSMC
Launch or sustainment of a national campaign following pilot testing	4/6	Costa Rica, Italy, Saudi KAMC and KSMC

Adoption and adaptation of Clean Care is Safer Care worldwide



Evidence of impact of the strategy worldwide...

The effect of hand hygiene compliance on hospital-acquired infections in an ICU setting in a Kuwaiti teaching hospital

Journal of Infection and Public Health (2013) 6, 27-34

Mona F. Salama^{a,b}, Wafaa Y. Jamal^{a,c}, Haifa Al Mousa^d,

"The 3/3 Strategy": A Successful Multifaceted Hospital Wide Hand Hygiene Intervention Based on WHO and **Continuous Quality Improvement Methodology**

Jesús Rodríguez-

Gabriel Mestre 1* Reduction in the incidence of MRSA with use of alcohol-based Gema Gallemi², I hand rub solutions and gloves

Kazuaki Matsumoto · Akari Shigemi · Keiko Yaji · Yoshihiro Shimodozono ·

Impact of a hand hygiene educational programme on hospital-acquired infections in medical wards

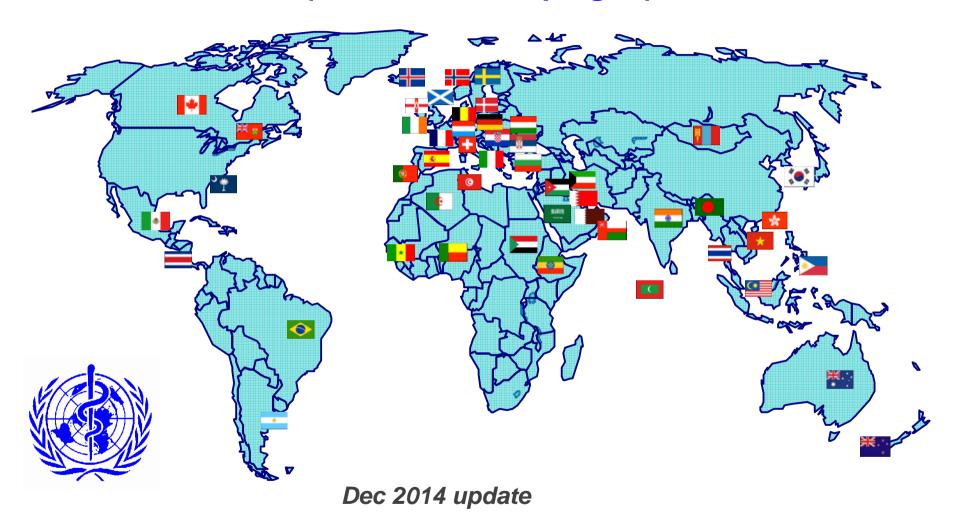
O. Monistrol¹, E. Calbo², M. Riera¹, 1) Infection Control Nurse and 2) Service of Impact of a hospital-wide hand hygiene promotion strategy on healthcare-associated

Time-series analysis of the relationship of antimicrobial use and hand hygiene promotion with the incidence of healthcare-associated infections. Lee YT, Chen SC, Lee MC, Hung HC, Huang HJ, Lin HC, Wu DJ, Tsao SM. J Antibiot (Tokyo). 2012;65:311-6

Positive deviance: Using a nurse call system to evaluate hand hygiene practices Rita de Cássia Ribeiro de Macedo RN^{a,*}, Eloísa Martins Oliveira Jacob RN^a, Vanessa Pio da Silva RNa, Edson Américo Santana RNa, Antonio Ferreira de Souza RNa, Priscila G Miguel Ce Impact of a hospital-wide hand hygiene MD c. promotion strategy on healthcare-associated infections Impact of a hospital-wide hand hygiene Moi Lin Ling and Kue Bier initiative on healthcare-associated Major article infections: results of an interrupted Promoting and sustainin time ser resulted in significant re Jaffar A. Al-Tawfiq MD ^{a,*}, Mahn papers in 2012/2014: Effectiveness of a compre Eile rates in a long-term care fa >1 paper / month Steven J. Review article Douglas Bundling hand hygiene care-associated infections Enzabeth Holst BAd Ted Pincock RN, CIC a,*, Paul Bernstein RN, CIC Department of Infection Prevention and Control, Queen Elizabeth II Health Sciences Centre, Halifax, NS, Canada b Department of Infection Prevention and Control, New York-Presbyterian Hospital, New York, NY CGOJO Industries, Inc., Akron, OH d Strategic Gear, Cleveland, OH



Countries running national hand hygiene campaigns (at least 60 campaigns)





CleanHandsNet
Hand hygiene national campaigns



World Hand Hygiene Day in healthcare

WHO SAVE LIVES: Clean Your Hands

- To maintain a global profile on the importance of hand hygiene in health care to reduce health careassociated infections and enhance patient safety worldwide
- Every 5 May WHO, bringing people together to improve and sustain hand hygiene



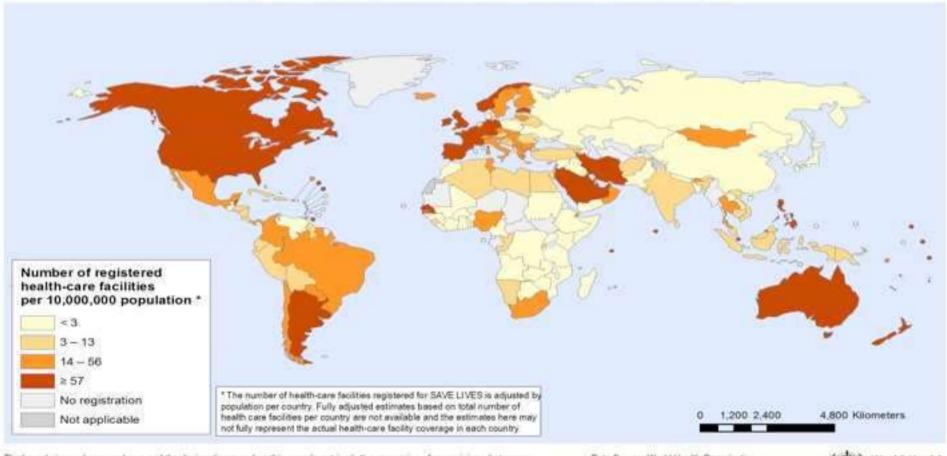








Countries with health-care facilities registered for SAVE LIVES: Clean Your Hands global campaign



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, tentory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

Oata Source: World Health Organization Map Production: Health Statistics and Information Systems (HSI) World Health Organization



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Private Organizations for Patient Safety



POPS is...



- A unique model that allows for a sense of 'community'
 with sharing of intelligence, expertise and most importantly
 ownership of the challenge that is avoidable patient and
 health worker harm together working for the same outcome
- It provides an enhanced global presence and image for all involved, translating into a greater global reach
- An approach based on the principles of corporate social responsibility, the work is focused on benefit to member states, particularly those in low and middle-income countries



Private Organisations for Patient Safety (POPS) – example commitment



Active in 12 countries
Almost 1000 web page views
2000 direct emails
Secured a registration in 1 new country!



Active in 10% of Irish Hospitals 2500 cards issued 100 posters Engaged 100 hospitals

ECOLAB

2014 WHO May 5th Stats (April 28th)



Global Reach

- •41,413 web site visits exposed to May 5th message
- +5,051 emails were sent to global healthcare contacts
- Produced 3 new blog articles focused on WHO May 5th which have been viewed 1,530 times



1,036 visits to WHO May 5th landing pages

Results.

96 pledge card downloads to date from 19 countries







Diversey Organizes Art Contest to Promote Hand Hygiene

May 1, 2014 — Sealed Air Diversey Care has launched a global art contest supporting hand hygiene in recognition of World Hand Hygiene Day (May 5).



The contest calls for participants to create a piece of art out of a hand-shaped downloadable template or submit a photo of hands. Entries should convey the theme of "creating a better way for life through hand hygiene." The contest runs from May 5 to May 31.





Les cinq indications de l'hygiène des mains:

Prise en charge d'un patient avec un cathéter urinaire





Examples of POPS Commitment



Hand Hygiene: Your Entrance Door to Safer, More Effective Interdisciplinary Care Across the Continuum

Posted by DebMed on Apr 30, 2015 9:30:00 AM

Twest

May 5 is the World Health Organization's (WHO's) annual Save Lives: Glean Your Hands Day. It's a time for healthcare professionals to reflect on the Impact of hand hygiene compliance on care quality and outcomes. This year's theme as designated by the WHO is: Strengthening healthcare systems and delivery – hand hygiene is your entrance door.



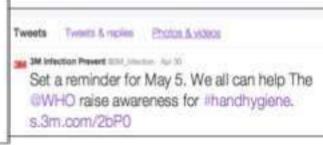


www.who.int/gpsc/pops/en













Page 80 SAVE LIVES Clean Your Hands

Country campaigns committed to WHO call to action

Clean Care is Safer Care

WHO CleanHandsNet - a network of campaigning countries

What is WHO CleanHandsNet?



♣ CleanHandsNet global map of participants
□ png, 95kb

Embedding hand hygiene promotional activities as a national priority is key for sustainability. Efforts have therefore been made to support countries or areas with large scale activities to promote hand hygiene in health care.

WHO Patient Safety supports an informal network of coordinators/leaders of such activities with the aim of sharing experiences and learning from each other. At this moment there are 48 participants in the network with coordinated activities to promote hand hygiene in health care either as specific activities or as part of infection prevention and control activities or patient safety initiatives. WHO Patient Safety web site

Find out who has signed up to the campaign

Latest WHO campaign and Hand Hygiene news

Hand hygiene in the control of Ebola and health system strengthening

Private Organizations for Patient Safety (POPS) for Hand Hygiene

#safeHANDS promotional video

WHO SAVE LIVES; Clean Your







Examples of country work 2015 (1)



Examples of country work 2015 (2)









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Examples of country work 2015 (3)









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Commitment in Sierra Leone: Country pledge, campaign activities, hospital registrations





Dr Alaa Gad, IPC Team

Miranda Deeves, IPC Team



Tools to ensure sustainability of the solution worldwide...

Monitoring your institution

"Hand Hygiene Self-Assessment Framework"

CDC-WHO partnership to Assess Hand Hygiene Infrastructure at Healthcare Facilities

The CDC and the World Health Organization (WHO) are committed to improving hand hygiene in healthcare facilities. An important aspect of this effort is facility self-assessments. Healthcare facilities can track their progress in hand hygiene promotion, plan improvements and set goals for hand hygiene improvement and sustainability through the use of the WHO Hand Hygiene Self-Assessment Framework.

http://www.who.int/gpsc/5may/en/

http://www.cdc.gov/handhygiene/partners/WHO-

-assess-hand-hygiene.html



A World Alliance for Safer Health Care

SAVE LIVES Clean Your Hands

Hand Hygiene Self-Assessment Framework 2010

1. System Change

Question	Answer	Score	WHO improvement tools
1.1	Not available	0	→ Ward Infrastructure Survey
How easily available is alcohol-based handrub in your health-care facility?	Available, but efficacy¹ and tolerability² have not been proven	0	Protocol for Evaluation of Tolerability and Acceptability of Alcohol-based Handrub
Choose one answer	Available only in some wards or in discontinuous supply (with efficacy ¹ and tolerability ² proven)	5	in Use or Planned to be Introduced: Method 1 → Guide to Implementation II.1
	Available facility-wide with continuous supply (with efficacy¹ and tolerability² proven)	10	- Guide to implementation in.
	Available facility-wide with continuous supply, and at the point of care ³ in the majority of wards (with efficacy ¹ and tolerability ² proven)	30	
	Available facility-wide with continuous supply at each point of care³ (with efficacy¹ and tolerability² proven)	50	
1.2 What is the sink:bed ratio?	Less than 1:10	0	→ Ward Infrastructure Survey → Guide to Implementation II.1
Choose one answer	At least 1:10 in most wards	5	
	At least 1:10 facility-wide and 1:1 in isolation rooms and in intensive care units	10	





A World Alliance for Safer Health Care

SAVE LIVES Clean Your Hands

Hand Hygiene Self-Assessment Framework 2010

2. Training and Education

21 Halling and Eddodton				
Question	Answer	Score	WHO improvement tools	
2.1 Regarding training of health-care workers in y	our facility:			
2.1a How frequently do health-care	Never	0	Slides for Education Session for Trainers, Observers and Health-care Workers	
workers receive training regarding hand hygiene ⁷ in your facility?	At least once	5		
Choose one answer	Regular training for medical and nursing staff, or all professional categories (at least annually)	10	Hand Hygiene Training Films Slides Accompanying the Training Films	
	Mandatory training for all professional categories at commencement of employment, then ongoing regular	20	Slides for the Hand Hygiene Co-ordinator Hand Hygiene Technical	
	training (at least annually)		Reference Manual	
2.1b Is a system in place to ensure that all health-care workers complete this	No	0	→ Hand Hygiene Why, How and When Brochure	
training?	Yes	20	→ Guide to Implementation II.2	
2.2 Are the following educational resources (or locally produced equivalents with similar content) easily available to all health-care workers?		→ Guide to Implementation II.2		
2.2a 'WHO Guidelines on Hand Hygiene in Health-care: A Summary'	No	0	→ WHO Guidelines on Hand	
	Yes	5	Hygiene in Health Care: A Summary	
2.2b 'Hand Hygiene Technical	No	0	Hand Hygiene Technical Deference Manual	
Reference Manual'	Yes	5	Reference Manual	





A World Aliance for Safer Health Care

SAVE LIVES Clean Your Hands

Hand Hygiene Self-Assessment Framework 2010

3. Evaluation and Feedback

Question	Answer	Score	WHO improvement tools
3.1	No	0	→ Ward Infrastructure Survey
Is a ward infrastructure survey regarding available hand hygiene products and facilities performed at least annually?	Yes	10	→ Guide to Implementation II.3
3.2 Is health-care worker knowledge regarding indications and technique for hand hygiene assessed at least annually?	No	0	Hand Hygiene Knowledge Questionnaire for Health-Care Workers
	Yes	10	→ Five Standardized Questions
	100		→ Guide to Implementation II.3
3.3 Indirect Monitoring of Hand Hygiene Compliance			
3.3a Is consumption of alcohol-based handrub monitored	No	0	→ Soap/Handrub Consumption Survey
monthly (or at least every 3-5 months)?	Yes	5	→ Guide to Implementation II.3
3.3b Is consumption of soap monitored monthly (or at least every 3-5 months)	No	0	
	Yes	5	
3.3c Is alcohol based handrub consumption at least 20L per	No	0	
1000 patient-days?	Yes	5	





A World Aliance for Safer Health Care

SAVE LIVES Clean Your Hands

Hand Hygiene Self-Assessment Framework 2010

4. Reminders in the Workplace

Question	Answer	Score	WHO improvement tools
4.1 Are the following posters (or locally produce	d equivalent with similar content) displayed?		→ Guide to Implementation II.4
4.1a Poster explaining the indications	Not displayed	0	→ Your 5 Moments for Hand
for hand hygiene	Displayed in some wards/treatment areas	15	Hygiene (Poster)
Choose one answer	Displayed in most wards/treatment areas	20	
	Displayed in all wards/treatment areas	25	
4.1b Poster explaining the correct use of handrub	Not displayed	0	→ How to Handrub (Poster)
	Displayed in some wards/treatment areas	5	
Choose one answer	Displayed in most wards/treatment areas	10	
	Displayed in all wards/treatment areas	15	
4.1c Poster explaining correct hand-	Not displayed	0	→ How to Handwash (Poster)
washing technique	Displayed in some wards/treatment areas	5	
Choose one answer	Displayed in most wards/treatment areas	7.5	
	Displayed at every sink in all wards/treatment areas	10	





A World Alliance for Safer Health Care

SAVE LIVES Clean Your Hands

Hand Hygiene Self-Assessment Framework 2010

5. Institutional Safety Climate for Hand Hygiene

Question	Answer	Score	WHO improvement tools
5.1 With regard to a hand hygiene team ¹⁰ that is dedicated to the promotion and implementation of optimal hand hygiene practice in your facility:			→ Guide to Implementation II.5
5.1a Is such a team established?	No	0	
	Yes	5	
5.1b Does this team meet on a regular basis (at least monthly)?		0	
		5	
5.1c Is there dedicated time available to organize a hand hygiene campaign and to	No	0	
teach hand hygiene principles	Yes	5	
5.2 Have the following members of the facility leadership made a visible commitment to support hand hygiene improvement?			Template Letter to Advocate Hand Hygiene to Managers Template Letter to communicate Hand Hygiene
5.2a Chief executive officer	No	0	Initiatives to Managers
	Yes	10	Guide to Implementation II.5
5.2b Medical director	No	0	
		5	
5.2c Director of nursing	No	0	
	Yes	5	



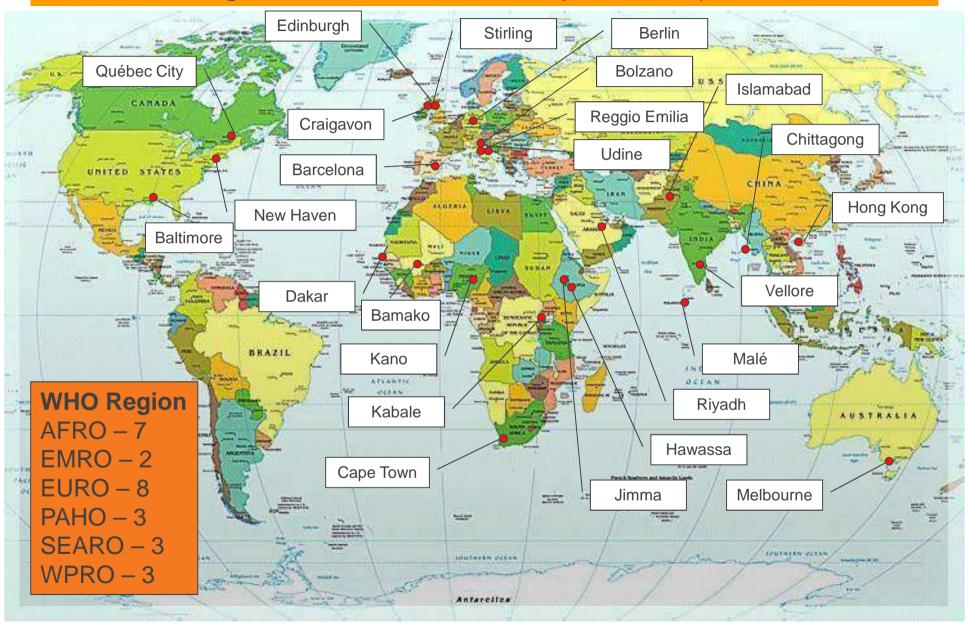
Score		
Component	Subtotal	
1. System Change		
2. Education and Training		
3. Evaluation and Feedback		
4. Reminders in the Workplace		
5. Institutional Safety Climate		
Total		

2.

Determine the assigned 'Hand Hygiene Level' for your facility.

Total Score (range)	Hand Hygiene Level	
0 - 125	Inadequate	
126 - 250	Basic	
251 - 375	Intermediate (or Consolidation)	
376 - 500	Advanced (or Embedding)	

Testing the framework usability- 26 Respondents



Stewardson A. et al. J Hosp Infection 2013; 83: 30-35

Interpretation:

1. Add up your points.

Score	
Component	Subtotal
1. System Change	85
2. Education and Training	60
3. Evaluation and Feedback	55
4. Reminders in the Workplace	70
5. Institutional Safety Climate	65
Total	335
•	

2. Determine the assigned 'Hand Hygiene Level' for your facility.

Total Score (range)	Hand Hygiene Level	
0 - 125		
120 - 250		
251 - 375	Intermediate (or Consolidation)	
375 - 500	Advanced (or Embedding)	

4 levels of HH promotion and practice

- 1. Inadequate: HH practices and promotion are deficient. Significant improvement is required.
- 2. Basic: some measures are in place, but not to a satisfactory standard. Further improvement is required.
- 3. Intermediate: an appropriate HH promotion strategy is in place and HH practices have improved. It is now crucial to develop long-term plans to ensure that improvement is sustained and progresses.
- 4. Advanced: HH promotion and optimal HH practices have been sustained and/or improved, helping to embed a culture of safety in the health-care setting.



Continue to use the WHO Hand Hygiene Self-assessment Framework

Assessment



Action



WHO Global Hand Hygiene Self-Assessment Framework Survey - 2011



WHO Hand Hygiene Self-Assessment Framework Global Survey Summary Report

From April to December 2011, health-care facilities registered for the WHO SAVE LIVES: Clean Your Hands initiative and those participating in some national hand hygiene campaigns were invited to participate in a global survey based on the

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WHO HHSAF Global Survey 2011



WHO Hand Hygiene Self-Assessment Framework Global Survey Summary Report

From Agril to December 2011, health-care facilities registered for the WHO SAVE LIVES. Clean Your Hands initiative and those participating in some national hand hygiene campaigns were invited to participate in a global survey based on the completion of the Hand Hygiene Self-Assessment Framework (HHSAF).

The survey objectives were three-fold:

- to assess the level of progress of health-care facilities in terms of hand hygiene infrastructure, promotional activities, performance monitoring and feedback, and institutional commitment, according to a range of indicators relevant to the WHO Multimodal Hand Hygiene Improvement Strategy summarized in a score.
- to identify gaps in hand hygiene infrastructures and activities according to the HHSAF indicators.
- · to provide feedback through summary results.

Methods

The HHSAF is a tool providing a systematic situation analysis of hand hygiene structures, resources, promotion, and practices within a health-care facility. It resembles a questionnaire and is structured in five sections, based on the five components of the WHO Multimodal Hand Hygiene Improvement Strategy (namely system change, training and education, evaluation and performance feedback, reminders in the workplace, and institutional safety climate). The tool includes 27 indicators reflecting the key elements of each strategy component. These are assigned values totaling 100 points within each HHSAF section, adding up to a maximum overall score of 500 points. Based on its overall score, a facility is assigned to one of four levels of progress.

 Inadequate (score of 0-125); hand hygiene practices and hand hygiene promotion are deficient. Significant improvement is required.

- Participation of 2119
 health-care settings
 from 69 countries
- Find more at http://www.who.int/gpsc/5may/
 hhsa framework/en/
- Scientific publication:

B. Allegranzi et al. American Journal of Infection Control 2014;42:224-30

> Page 37 SAVE LIVES Clean Your Hands

WHO launches a new HHSAF Global Survey starting on 1 June 2015

HOW TO PARTICIPATE?

All health-care facilities registered for

SAVE LIVES: Clean Your Hands will be invited by WHO to participate and submit their Framework results online

Download the Framework at http://www.who.int/gpsc/5may/
hhsa framework/en/

and fill out the online form to give WHO your details

- Facilities' identity and results will be kept strictly confidential
- Results will be issued on 13 October 2015, the 10th anniversary of the Clean Care is Safer Care programme



WHO Hand Hygiene Self-Assessment Framework Global Survey May – Sept 2015

Use the Framework to identify where your facility stands in terms of hand hygiene resources, practices and promotion!

AND

By submitting your results online, help WHO follow up the progress on hand hygiene worldwide and identify areas for further improvement!

To participate in the global survey your health-care facility must be registered for SAVE LIVES: Clean Your Hands

GET READY TO PARTICIPATE!!!

http://www.who.int/gpsc/5may EN_PSP_GPSC1_5May_2015/en/

Facilities awarded with the Hand Hygiene Excellence Award in South-East Asia and Western Pacific, in Europe, and in Latin America



WHO Hand Hygiene Self-assessment Framework

www.handhygieneexcellenceaward.com

Hand Hygiene



Asia Pacific Hand Hygiene Excellence Award

Asia Pacific Hand Hygiene Innovation Award

2013



www.handhygieneexcellenceaward.com





Expert Review Panel

Professor Didier Pittet (Chair)

Director Infection Control Program & WHO Collaborating Centre on Patient Safety Hôpitaux Universitaires de Genève Geneva, Switzerland

Professor Wing-Hong Seto

Chief Infection Control Officer, Hospital Authority Senior Consultant Microbiologist & Director Quality Management, Queen Mary Hospital WHO Collaborating Centre for Infection Control Hospital Authority, Hong Kong

Dr Moi-Lin Ling

Director, Infection Control Department
Singapore General Hospital &
President, Asia Pacific Society of Infection Control

Professor Lindsay Grayson

Director, Infectious Diseases & Microbiology Austin Health Victoria, Australia

Ms Patricia Ching

Infection Control Specialist
Infection Control & Quality Improvement Department
Queen Mary Hospital, Hong Kong

Ms Glenys Harrington RN, RM

Infection Control Consultant Infection Control Consultancy (ICC) Melbourne, Australia



Apply now – http://www.handhygieneexcellenceaward.com





Hand Hygiene Excellence Award Video

tinyurl.com/HHExcAward



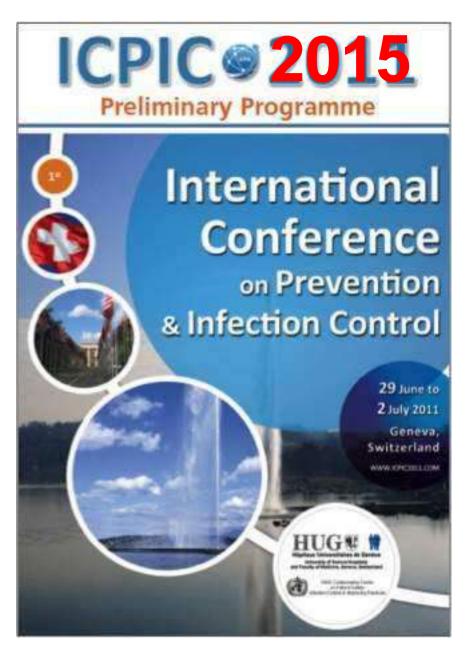




How to continue ...

what's next?

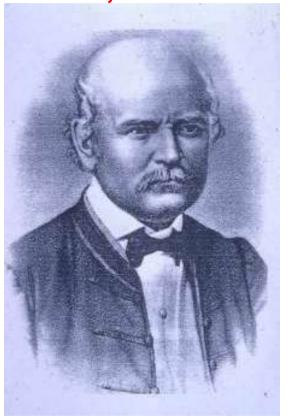




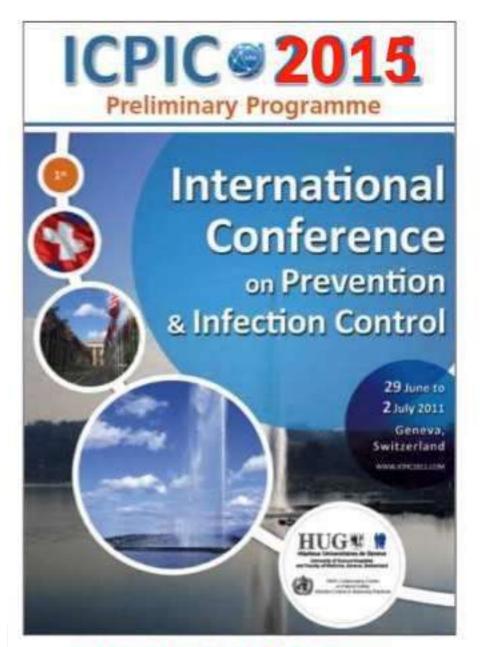
www.icpic2015.com

Save the Date:

3rd ICPIC, 16-19 June 2015, Geneva, Switzerland



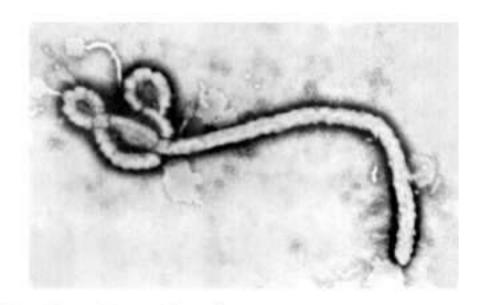
Semmelweis at ICPIC



www.icpic2015.com

Save the Date:

3rd ICPIC, 16-19 June 2015, Geneva, Switzerland



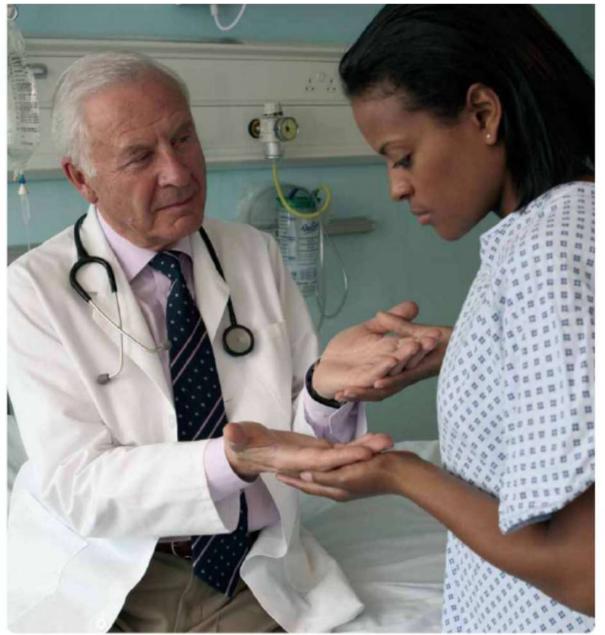
Ebola: Hands-On Pre-ICPIC workshop

16 June 2015: 10AM to 5PM

See: www.ICPIC.com







Longtin Y, Sax H, Leape L, Sheridan S, Donaldson L, Pittet D. Patient participation: current knowledge and applicability to patient safety. *Mayo Clin Proc* 2010, 85:53-62





A World Allerton for Saler Health Care

SAVE LIVES Clean Your Hands

CLEAN HANDS SAVE LIVES

FOREWORD Dr. Margaret Chan WHO Director-General Sir Liam Donaldson WHO Patient Safety Envoy

CleanHandsSaveLives.org

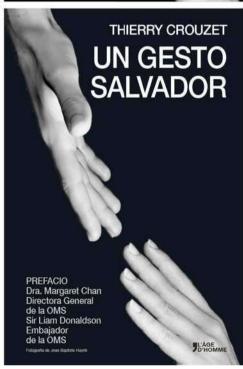
JL'ÂGE D'HOMME













Published
5 May 2014
WHO hand hygiene Day

More translations in preparation:

- Persian
- Chinese (s)
- Russian
- Turkish
- Shewali
- Romanian
- Urdu
- Kmer

. . . .

The Economy of Peace

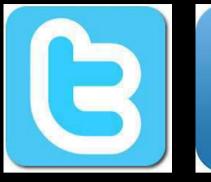


THIERRY CROUZET CLEAN HANDS SAVE LIVES

FOREWORD Dr. Margaret Chan WHO Director-General Sir Liam Donaldson WHO Patient Safety Envoy

CleanHandsSaveLives.org

JĽÂGE D'HOMME













Follow and like

- @didierpittet
- @GLOBAL_POPS
- @WHO

www.who.int/gpsc/5may

www.cleanhandssaveslives.or

#safeHANDS



CleanHandsSaveLives.org





University of Geneva Hospitals and Faculty of Medicine, Geneva, Switzerland



Were You Ready for 5 May 2015? Are You Ready to celebrate the 10 YEARS of CCiSC?

World Health Organization 1st Global Patient Safety Challenge

Professor Didier Pittet, MD, MS,

Infection Control Programme
WHO Collaborating Centre on Patient Safety
University of Geneva Hospitals, Switzerland

Lead Adviser, Clean Care is Safer Care & African Partnerships for Patient Safety programmes, World Health Organization (WHO) Patient Safety

Clean Care is Safer Care

10 YEARS!

Background to Clean Care is Safer Care

In previous years, WHO Global Patient Safety Challenges were born from calls from around the world on specific patient safety issues, and were also reflected in global

campaigns, which have brought toge and to catalyze political and professi They have also generated knowledge safety of patients receiving care glob



The focus and objectives of Clean

The first of these Challenges, Clean 2005, targeted the important aspect (HCAIs). HCAI is the most frequent I worldwide in both developed and dev patients are affected each year by H losses for health systems too.

Publications Countries

Programmes

Governance

About WHO

Clean Care is Safer Care

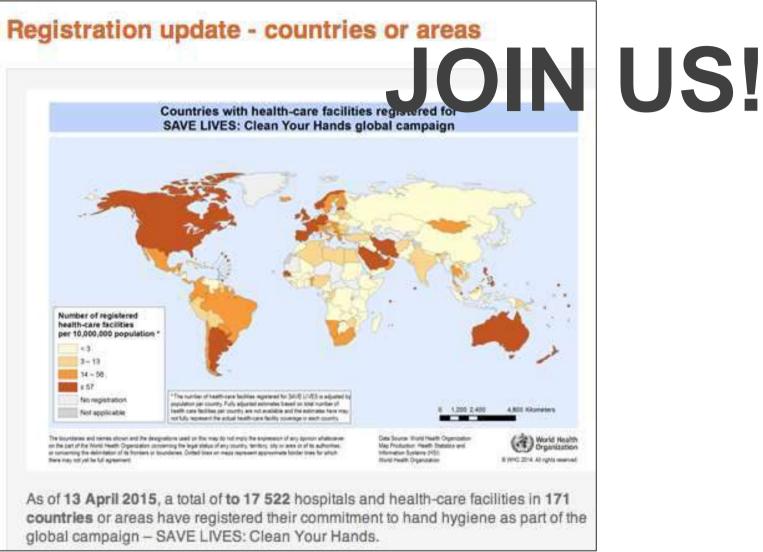
The burden of health care-associated infection worldwide

Health care-associated infection (HCAI), also referred to as "nosocomial" or "hospital" infection, is an infection occurring in a patient during the process of care in a hospital or other health care facility which was not present or incubating at the time of admission. HCAI can affect patients in any type of setting where they receive care and can also appear after discharge. Furthermore, they









http://www.who.int/gpsc/5may/register/en/http://www.who.int/entity/gpsc/5may/en/







Get ready & Participate from 5 May to 5 Sept

Get ready & Participate from 5 May to Sept 2015





Hong Kong 5 May 2014







Get ready & Participate from 5 May to Sept 5 2015





Hong Kong 5 May 2014

Hanrub technique to practice

Have staff practice in advance!

How to Handrub?

RUB HANDS FOR HAND HYGIENE! WASH HANDS WHEN VISIBLY SOILED

Duration of the entire procedure: 20-30 seconds





Apply a palmful of the product in a cupped hand, covering all surfaces;

Rub hands palm to palm;



Right palm over left dorsum with interlaced fingers and vice versa;



Palm to palm with fingers interlaced;



Backs of fingers to opposing palms with fingers interlocked;



Rotational rubbing of left thumb clasped in right palm and vice versa;



Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa:



Once dry, your hands are safe.



Patient Safety

SAVE LIVES
Clean Your Hands



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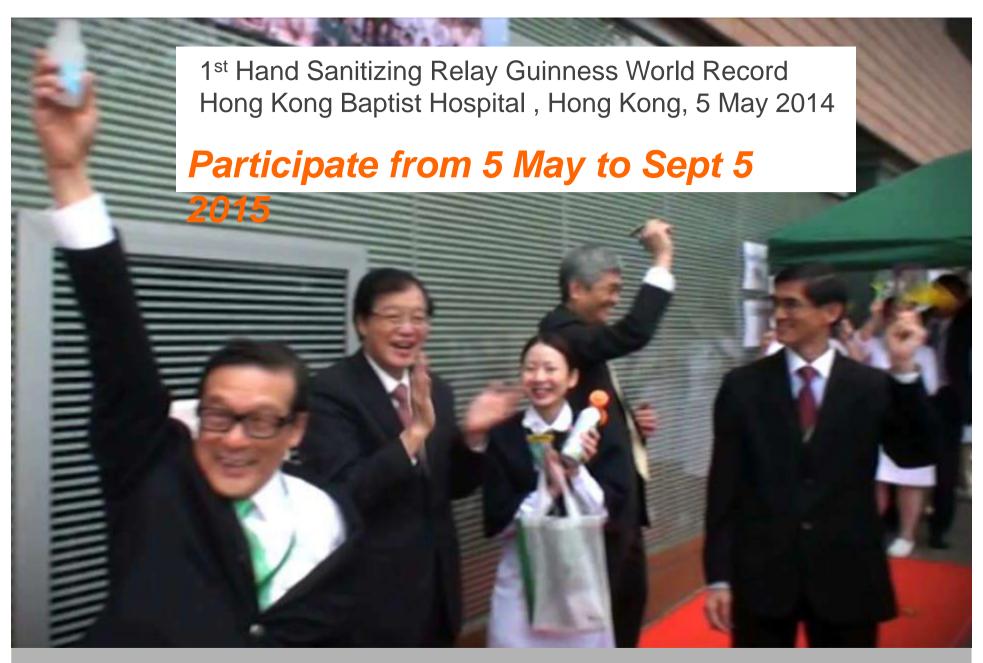


















WHO Hand Hygiene Sanitizing Relay - New Guinness World Record

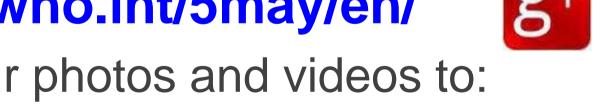
As of 5 May 2015, WHO world Hand Hygiene Day, Prof. Didier Pittet & staff at the WHO Collaborating Center on Patient Safety in Geneva propose to all hospital...

All info: who.int/5may/en/

Send your photos and videos to:

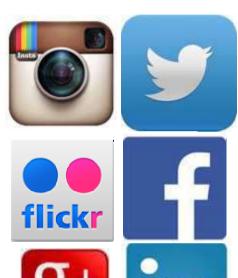
CleanHandsSaveLives.org







See the explanatory video tinyurl.com/HHRelay at:











« We provide clean care - #safeHANDS »





World Health Organization Join us from 5 May 2015?







Use YOUR own language

I provide clean care I deserve clean care I promote clean care Je prodigue des soins propres Je mérite des soins propres Je m'engage pour des soins propres نظويف على اج اقدم نظويف على اج استحق النظويف العلى اج أعزز أن

#safeHANDS

Yo proporciono una atención limpia Yo merezco una atención limpia Yo promuevo una atención limpia 我提供清洁医疗 我应得清洁医疗 我提倡清洁医疗 Я соблюдаю гигиену рук Я требую соблюдения гигиены рук Я способствую гигиене рук



Health-care facilities and individuals around the world

THE GLOBAL REACH!

Page 176





































































































Families pledging for #safeHANDS for their parents

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Clean Care is Safer Care 2005-2015

JOIN US!

Info&Tools – 5 May – SAVE LIVES: Clean Your Hands http://www.who.int/gpsc/5may/en/

POST YOUR PHOTOS/SELFIES at:

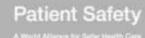
http://cleanhandssavelives.org





safeHANDS video





Clean Care is Safer Care 2005-2015 Ten years, number 10 - more to come in 2015!



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CLEAN HANDS SAVE LIVES

FOREWORD
Dr. Margaret Chan
WHO Director-General
Sir Liam Donaldson
WHO Patient Safety
Envoy

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L'ÂGE D'HOMME



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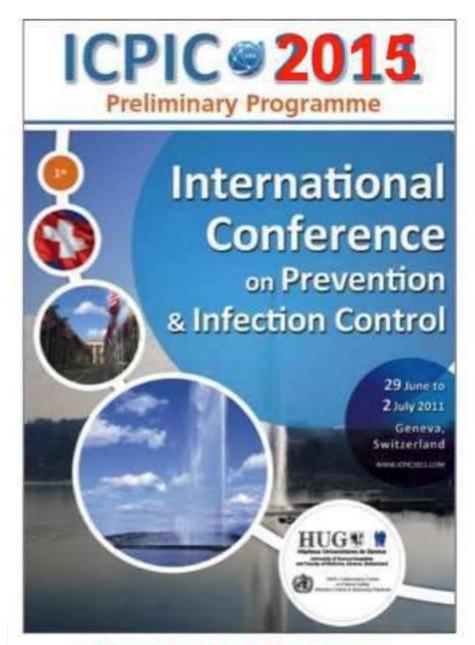
who.int/5may/en/

CleanHandsSaveLives.org

#safeHANDS



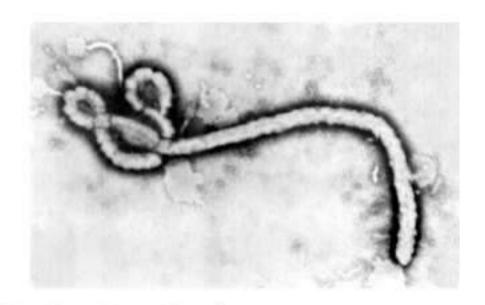
CleanHandsSaveLives.org



www.icpic2015.com

Save the Date:

3rd ICPIC, 16-19 June 2015, Geneva, Switzerland



Ebola: Hands-On Pre-ICPIC workshop 16 June 2015: 10AM to 5PM

See: www.ICPIC.com



