

Improving Hand Hygiene in Health-Care Settings Around the World
 Dr. Cyrus Engineer, World Health Organization
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WHO First Global Patient Safety Challenge

Improving Hand Hygiene in Health-Care Settings Around the World – A Global Challenge With a Global Solution

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Presentation Overview

- The challenge
Health care-associated infections – a ongoing global issue
- The evidence & the solution
WHO Guidelines on Hand Hygiene in Health Care, Multimodal Hand Hygiene Improvement Strategy
- The action
The important work of countries and health-care settings around the globe
- WHO SAVE LIVES: Clean Your Hands global annual initiative
Keeping hand hygiene on the agenda

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Health care-associated infections affect hundreds of millions of patients worldwide every year

- In developed countries, it impacts on 5-15% of hospitalized patients
- The burden in developing countries is likely to be several times higher

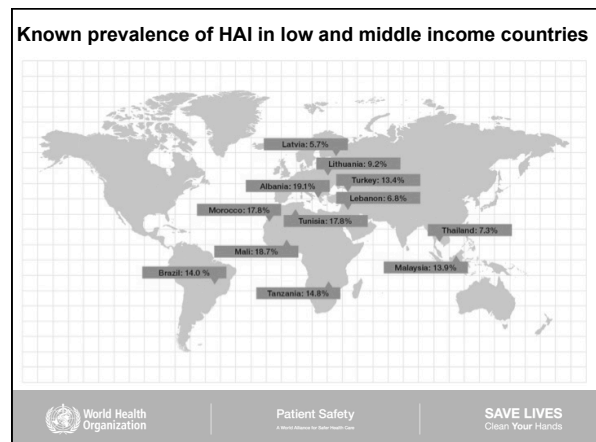
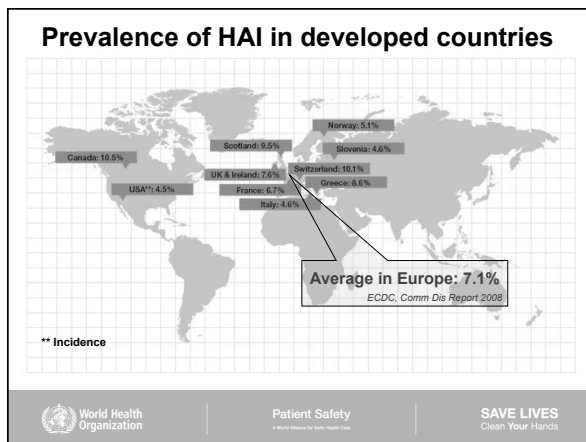
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Estimates of the global burden of health care-associated infection are hampered by limited availability of reliable data



The First Challenge are working on presentation of the burden of health care-associated infection: understanding the magnitude of the problem

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Through the promotion of hand hygiene and infection control best practice, the First Global Patient Safety Challenge aims to support the reduction of health care-associated infection worldwide

WHO Multimodal Hand Hygiene Improvement Strategy and Implementation Toolkit

Evidence from the WHO Guidelines on Hand Hygiene in Health Care (2009),

5 core components, to improve hand hygiene in health-care settings

- 1 System change
- 2 Training and education
- 3 Evaluation and feedback
- 4 Reminders in the workplace
- 5 Institutional safety climate

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Using the Multimodal Strategy and the Toolkit

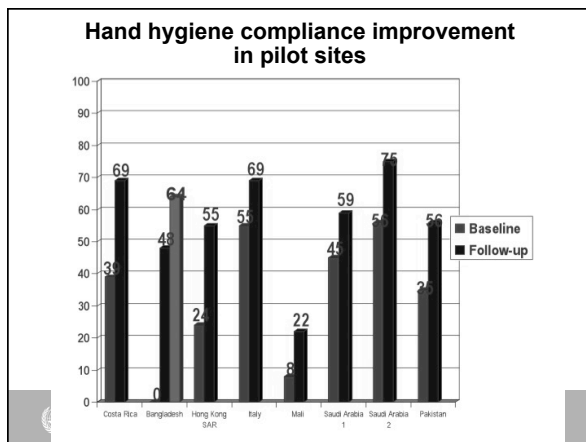
- Highlighting five important tools
 - Alcohol-based Handrub Planning & Costing tool *System change tool*
 - Hand Hygiene-Why, How and When brochure *Training/education tool*
 - Observation form *Evaluation and feedback tool*
 - Your five moments for hand hygiene poster *Reminders in the workplace tool*
 - Sustaining improvement-additional activities for consideration by health-care facilities *Institutional safety climate tool*
- WHO Guide to Implementation
- Self Assessment Framework

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“My 5 Moments for Hand Hygiene”

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

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The Action.....

It's not a problem it's a puzzle

- A problem is something that might have many different routes to take before being solved
- A puzzle is something that already has an answer that needs to be applied appropriately

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A 2009 survey examining promotion of hand hygiene in health care through campaigns and programmes coordinated at a national/sub-national level

■ Aim:

To gather information on the current status of campaigns/programmes world wide

To generate information on factors contributing to success and barriers to success

(previous survey conducted in 2007)

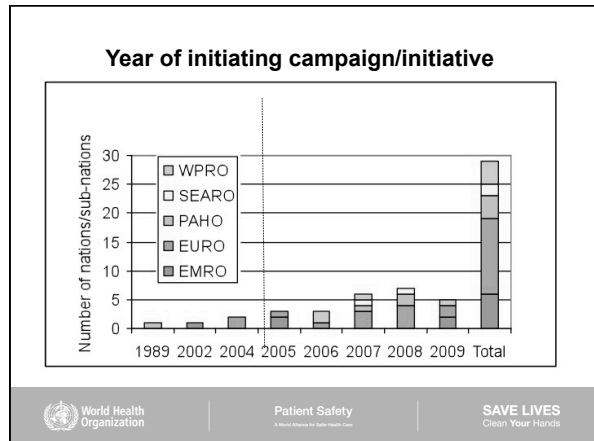
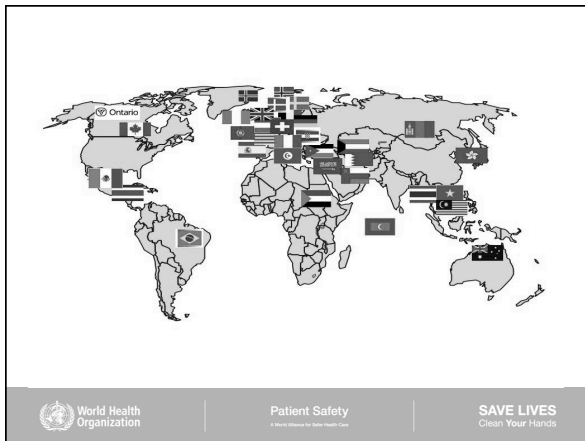
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Summary of survey

- 38 campaigns/programmes identified – 29 currently active

Most have clear objectives and measurable indicators
Wider HAI prevention programmes more common than hand hygiene specific
Differences in coverage and mechanisms for funding
Barriers related to commitment (priority, support) and resources similar to all

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Characteristics of campaigns (n=29)

Structure:	
Pledge acted as catalyst	19 (65.5%)
Govt initiated	25 (86.2%)
Run at national level	24 (82.8%)
Linked with official partners	18 (62.1%)
Part of wider HAI programme	25 (86.2%)
Processes:	
Stated objectives measured	26 (89.7%)
HH part of quality assessment	17 (58.6%)
Used WHO Guidelines	27 (93.1%)
Used WHO Tools	23 (79.3%)



Starting a national or sub-national hand hygiene campaign

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Outline action plan for getting started

If you are considering starting a national or sub-national campaign, the following list of actions might be useful in guiding you through the process. This list is based on current knowledge from existing campaigns and from published literature on campaigning in other health fields. You may need to adapt it to suit local conditions where you are.

1. Do you have approval from the responsible national/sub-national authority? Has the ministry of health signed or considered signing the First Global Patient Safety Challenge national pledge (commitment) to tackle health care-associated infection?
2. If the campaign is not being coordinated through the ministry of health, is it clear and approved who will oversee it? (e.g. sub-national or district authorities or a network of experts)
3. Do you currently have national or sub-national policies or guidelines on hand hygiene that the campaign will link to?

Case Studies

■ **An opportunity for health-care facilities across the world to share their initiatives and experiences**

What was the situation at your facility with respect to hand hygiene and HAI before you initiated the hand hygiene initiatives?

'Our trainings on prevention and control of infections associated with health care were fully informed by the WHO Guidelines on Hand Hygiene in Health Care. However behavioural aspects and staff resistance were always known as major barriers in promoting any hand hygiene programme.'

What were the goals of your initiative?

'Our main goals were promoting theoretical and technical knowledge about the importance and practice of hand hygiene through demonstrations and guidelines among all network staff and patients. Increasing compliance with hand hygiene among health care workers and a general call to action highlighting the risks of noncompliance with hand hygiene were other aims.'

Targeted activities

■ 2009
 – over 80 health-care settings shared their activities for 5 May with WHO

■ 2010.....
 'A hand hygiene detector will be used to show hand contamination and keep health care workers aware of vigilance in infection control and safer patient care. A quiz will be used to evaluate health care workers knowledge in regard to hand hygiene practices. An exhibition will demonstrate the last developments in hand hygiene products. Educational posters will be placed in most areas of the hospital and educational brochures will be distributed to health care workers, patients and visitors. Infection control nurses will be visiting the wards and departments to demonstrate the correct technique of hand hygiene to health care workers, patients and visitors. Finally, there will be distribution of evaluation cards to patients, staff and visitors on the hand hygiene practices for recommendations and feedback.'

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Every 5 May:
 WHO brings people together to improve & sustain hand hygiene.

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SAVE LIVES: Clean Your Hands
 global annual initiative – 5 May

- 'Calling for all health-care workers, facilities and organisations throughout the world to actively campaign for improved hand hygiene at the point of care to reduce health care-associated infections and to demonstrate their commitment to this priority global movement.'
- Demonstration of commitment is still essential
 - registrations from health-care facilities
 - sharing of planned activities
 - use of the tools and feedback to WHO
- Multimodal strategy implementation toolkit
- Hand Hygiene One Moment Observation Tool
- Hand Hygiene Self Assessment Framework

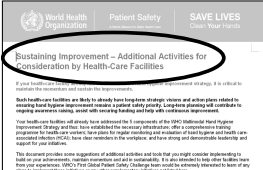


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So what's next?

- The 'puzzle' is still being solved
- The solutions exist – more so than ever before
 - Are you prepared to challenge and find new solutions to sustain hand hygiene in your settings?
 - Do you have new innovative solutions to share?

There are still gaps in the evidence (WHO Guidelines)

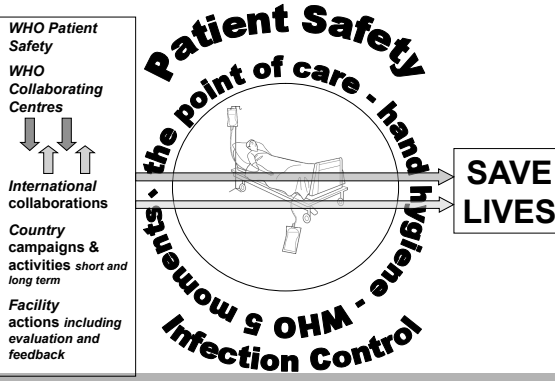


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WHO Patient Safety
 WHO Collaborating Centres
 International collaborations
 Country campaigns & activities short and long term
 Facility actions including evaluation and feedback


Patient Safety
 the point of care - hand hygiene moments & OHM - Infection Control

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What does success look like for you?



NHS TRUST HOSPITAL

"I dreamt we won the Nobel Prize for hand-washing"

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

- Register now & encourage others
- Share your activities
- Join the special WHO hand hygiene webinar series on 3rd, 5th and 7th May
- Find out if there is an existing hand hygiene campaign in your country and support it

Thank you for your ongoing support

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Inaugural infection control webinar series

WHO First Global Patient Safety Challenge
 Clean Care is Safer Care

www.who.int/gpsc/5may/news/webinars/en/index.html

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THE NEXT FEW TELECLASSES	
15 Apr. 10	HPV Infection and Newer Vaccines: An Update Speaker: Dr. Sotirios Tsioltras, University of Athens Medical School, Greece
20 Apr. 10	(Free Teleclass) Voices of the IPS Speaker: Infection Prevention Society Board Members & Guests
21 Apr. 10	(South Pacific Teleclass) MRSA – The Patient Experience Dr. Ruth Barratt, New Zealand
22 Apr. 10	Influenza in the Hospital – Who Gets it From Whom Speaker: Dr. Allison McGeer, Mount Sinai Hospital, Toronto
27 Apr. 10	(British Teleclass) The Value of Effective Leadership Speaker: Dr. Rosemary Kennedy, UK
29 Apr. 10	Simple Precautions – Simplifying Infection Control Speaker: Dr. Jim Hutchinson, Health Care Corporation of St. John's
6 May 10	Disinfection and Sterilization: Special Emphasis on Pediatric Issues Speaker: Dr. William Rutala, University of North Carolina

www.webbertraining.com/schedulep1.php

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