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Infection Control: From Global to Local ... Fostering Partnerships and Rock’n’Roll
Prof. Didier Pittet, University of Geneva Hospitals, World Health Organisation
Broadcast live from the International Conference on Prevention and Infection Control

Ignaz Philipp Semmelweis before and after he insisted that students and doctors clean their hands with a chlorine solution between each patient

June 29 – July 2, 2011
Geneva
Switzerland
July 1st = Semmelweis Day

www.icpic2011.com
Semmelweis at ICPF

Hôpitaux Universitaires de Genève

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

System change

Alcohol-based hand rub is standard of care

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

On average, 22 opp / hour for an ICU nurse


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Handrub is the natural killer of cross transmission

Dirty Staph …out of hospital

My son, if they don’t get me, you will become multiresistant

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Doctor Freud, in this hospital, it’s become impossible to cause infections any more!

Geneva’s University Hospitals against Dirty Staph: war has been declared

Hospital-wide nosocomial infections; trends 1994-1998

Rub hands… it saves money

Results

Compliance with Hand hygiene (%)

Monitoring + Performance feedback

Alcohol-based handrubbing
Handwashing (soap + water)

www.hopisafe.ch

www.hopisafe.ch

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Objectives of the Challenge

1. Awareness
2. Mobilising nations
3. Technical guidelines and tools

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

Clean hands reduce the burden of infection
From 1975 to June 2010, at least 36 studies demonstrated the effectiveness of hand hygiene to reduce health care-associated infection

Use of alcohol-based hand rub HOPIRUB® (liters)
University of Geneva Hospitals, Switzerland

16 year hand rub promotion using the “Geneva model”

Use of alcohol-based hand rub HOPIRUB® (liters)
University of Geneva Hospitals, Switzerland

Compliance 48 %  Year 74 %

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

Intervention – Critical elements for success
- System change (use of alcohol-based handrubs is standard of care)
- Education of healthcare workers
- Monitoring and feedback of performance
- Reminders in the work place (posters)
- Strong administrative support
- Leadership and culture change

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Prevalence of HAI worldwide

Developed countries

Developing countries

Burden of HCAI
Stakeholders’ engagement
Country pledges
National campaigns
Implementation strategies

http://www.who.int/gpsc/

Allegranzi B et al, The Lancet, Dec 2010

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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...

128 countries committed to address HAI
89.3% world population coverage

Countries/areas running hand hygiene campaigns
(Dec 2010, 43 campaigns)

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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 hand rubs 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, and knowledge, while providing results feedback to health-care workers.
- **FOUR** Reminders in the workplace: Promoting 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


Adoption and adaptation of Clean Care is Safer Care worldwide

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WHO SAVE LIVES: Clean Your Hands

■ To maintain a global profile on the importance of hand hygiene in health care to reduce health care-associated infections and enhance patient safety worldwide

■ Every 5 May – WHO, bringing people together to improve and sustain hand hygiene

Facilities registered update on May 2011

Evidence of successful implementation of the solution worldwide...

Save Lives: Clean YOUR Hands – our stakeholders around the world

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From modern health care settings

To settings with limited resources

In a multi-cultural environment

Overcoming religious barriers

Ensuring universal system change

Guide for the local production of the WHO alcohol-based handrub formulations

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

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How to scale up and implement the solution worldwide...

Yaoundé 4 September 2008, 27 countries signed

Launch of the campaign in Mali – 2006
Mali pilot site: an example to follow

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New tools to ensure sustainability of the strategy worldwide...

Monitoring your institution
“Hand Hygiene Self-Assessment Framework”

Hand Hygiene Self-Assessment Framework

HOW?
■ Download the Framework at www.who.int/gpsc/5may/en/ and fill out the online form to give WHO your details
■ Complete the Framework and calculate the score to identify the assigned level of hand hygiene promotion and practice in your healthcare facility

How to continue …
what’s next?

62 scientific publications (2005-June 2010)

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Asia-Pacific Award for Excellence in Hand Hygiene promotion

How is the Framework structured?
- The Hand Hygiene Self-Assessment Framework is divided into 5 components and 27 indicators.
- Four levels of hand hygiene promotion and practice:
  - Inadequate: hand hygiene practices and hand hygiene promotion are deficient. Significant improvement is required.
  - Basic: some measures are in place, but not to a satisfactory standard. Further improvement is required.
  - Intermediate: an appropriate hand hygiene promotion strategy is in place and hand hygiene practices have improved. It is now crucial to develop long-term plans to ensure that improvement is sustained and progresses.
  - Advanced: hand hygiene promotion and optimal hand hygiene practices have been sustained and/or improved, helping to embed a culture of safety in the health-care setting.
  - Leadership: your facility is a reference centre and contribute to the promotion of hand hygiene through research, innovation and information sharing.

CleanHandsNet - a network of existing hand hygiene campaigns facilitated by WHO

How to continue … partnerships

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Turning the World Upside Down
- Shared learning
- Co-development

Three Core Objectives
African Partnerships for Patient Safety

Objective 1: PARTNERSHIP STRENGTH
Objective 2: HOSPITAL PATIENT SAFETY IMPROVEMENTS
Objective 3: NATIONAL PATIENT SAFETY SPREAD

12 Patient Safety Action Areas – WHO AFRO
1. Develop and implement national policy for patient safety
2. Improve knowledge and learning in patient safety
3. Raise awareness
4. Address the context in which health services & systems are developed
5. Minimize healthcare-associated infection
6. Protect healthcare workers
7. Ensure safe healthcare waste management
8. Ensure appropriate use, quality and safety of medicines
9. Ensure safe surgical care
10. Promote partnerships
11. Provide adequate funding
12. Strengthen surveillance and capacity for research

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Vision - Perspectives

The Geneva IC team and HCWs: inspiring WHO on hand hygiene improvement worldwide

and what about … Rock’n’Roll

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The African Partnerships for Patient Safety Team

Core group of international experts

Core group of international experts

Our common mission

and what about …
Rock’n’Roll

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Modern ways to communicate
The Hand Hygiene Dance by Non Professionals
Institutional Safety Culture
Hôpitaux Universitaires de Genève

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... fostering partnership and rock’n’roll

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