







Ginny's story (3)

- The infection persisted, with poor clinical improvement and also deterioration of general conditions
- Finally, decision of leg amputation and substitution with prosthesis
- After one year, cerebral vascular problems due to the longterm infection led to right eye blindness and short-term memory deficits





Ginny's final considerations

"...I've been lucky to survive all these medical procedures.

The Staph infection did not ruin my life

but altered it forever...

Hospitals and physicians should provide coordinated care for all their patients throughout their treatment... Had best practices been in place, the Staph infection problem would have not occurred and a broken ankle would not have resulted in an amputated leg. Remember, anyone can break an ankle but that's where the story should end!"

Ginny's story video is available at http://www.youtube.com/watch?v=s5x1f3_NJX8

Hand Hygiene Promotion Universal Spread: Impact and Patient Participation Prof Didier Pittet & Margaret Murphy Sponsored by the WHO First Global Patient Safety Challenge – Clean Care is Safer Care







- A patient centered vision as part of the WHO call to action for 5 May 2013
- Update on the impact of hand hygiene improvement to reduce health care-associated infection
- Hand hygiene promotion universal spread
- The WHO call to action for 5 May 2013: monitoring and feedback and patient participation
- Achievements of SAVE LIVES: Clean YOUR Hands around the world over the last year

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Outline A patient centered vision as part of the WHO call to action for 5 May 2013 Update on the impact of hand hygiene improvement to reduce health care-associated infection Hand hygiene promotion universal spread The WHO call to action for 5 May 2013: monitoring and feedback and patient participation Achievements of SAVE LIVES: Clean YOUR Hands around the world over the last year

Outline • A patient centered vision as part of the WHO call to action for 5 May 2013 – Ginny anyone of us ! • Update on the impact of hand hygiene improvement to reduce health care-associated infection • Hand hygiene promotion universal spread • The WHO call to action for 5 May 2013: monitoring and feedback and patient participation • Achievements of SAVE LIVES: Clean YOUR Hands around the world over the last year Page 12

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Outline Impact of hand hygiene promotion on HAI A patient centered vision as part of the WHO call to • 1977- April 2013, 45 studies investigated the impact of action for 5 May 2013 hand hygiene to reduce HAI Over the last year, as many as 14 original articles + 1 Update on the impact of hand hygiene improvement review have been published on this topic to reduce health care-associated infection Hand hygiene promotion universal spread 41 showed that behavioural change, illustrated by improvement of hand hygiene or other indicators, leads The WHO call to action for 5 May 2013: monitoring to the reduction of HAI and feedback and patient participation Only 4/44 studies showed no significant impact on HAI Achievements of SAVE LIVES: Clean YOUR Hands but in 2 hand hygiene compliance did not increase around the world over the last year significantly Page 14 Page 13



	fect of hand hygiene compliance on
	al-acquired infections in an ICU setting in a
Kuwait	ti teaching hospital Journal of Infection and Public Health (2013) 6, 27–34
	alama ^{a,b} , Wafaa Y. Jamal ^{a,c} , Haifa Al Mousa ^d ,
"The 3/3 St	rategy": A Successful Multifaceted Hospital
Wide Hand	Hygiene Intervention Based on WHO and
	Quality Improvement Methodology
	eduction in the incidence of MRSA with use of alcohol-based
	nd rub solutions and gloves
Jesús Rodríguez-	
	uaki Matsumoto · Akari Shigemi · Keiko Yaji · Yoshihiro Shimodozono ·
	hygiene educational programme on hospital-acquired
	cal wards
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Positive devi	iance: Using	g a nurse call system to evaluate hand hygiene	practices
Vanessa Pio da	ibeiro de Mace Silva RNª, Edse	edo RN ^{a.} ", Eloísa Martins Oliveira Jacob RN ^a , on Américo Santana RN ^a , Antonio Ferreira de Souza RN ^a ,	
Priscila G Miguel Ce Im	pact of a	a hospital-wide hand hygiene	MD °,
		strategy on healthcare-associated	1
inf	ections	Alcohol-based hand rub and Saramma ventilator-associated pneumonia	
		ntrol. 2012 Dec 20. pii: S0196-6553(12)01205-9	
Jaffar A. Al-Taw Effectiveness rates in a lon Effect Ho M Review Review Wal	fiq MD ^{a.*} , Mal s of a compr no-term car iluation o educe Sta stridium di les by imp	¹ Impact of a hospital-wide hand hy ⁶ initiative on healthcare-associate ¹ infections: results of an interrup ¹ <u>time series</u> Kirkland et al. BMJ Qual Saf f the national Cleanyourhands campaig aphylococcus aureus bacteraemia and fficile infection in hospitals in England al proved hand hygiene: four year§tone et al ecological, interrupted time series stu	ed ted 2013 gn nd Page J72012
	RN, CIC ^{a,+} , Paul	Bernstein RN, CIC ^b , Shawn Warthman MBA ^c , Elizabeth Holst	BA ^d



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Main results WHO alcohol-based (ABHR) formulation local production - Global Survey 2012

- WHO ABHR local production proved feasible in all 39 sites
 Locally sourced alcohol used in 72% of sites (sourced from the chemical industry [53%] or the agro-industry [47%]
- e.g. sugar cane, corn, manioc, mahogany and walnut)
- Excellent product tolerability and acceptability in 82%
 Quality control performed by 87% of sites
- (but 4 countries lacked access to required equipment)
- WHO ABHR promoted as part of a multimodal strategy in 88% of sites
- WHO ABHR formulations less expensive than marketed products (evaluation in 16 sites)

	Tropical Medicine and International Health, Charité – Universitätsmedizin Berlin, Germany for technical contribution to this survey
World Health Organization	SAVE LIVES Clean Your Hands





Indicators of long-term sustainability (2 years follow-up)	Number of sites/total	Site
Strategy implementation continued	6/6	All WHO strategy pilot testing study
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 performance feedback repeated regularly	4/5	Costa Rica, Mali, Saudi Arabia
Poster use continued and refreshed	5/5	All
Implementation expanded to other hospitals in the country	5/6	Costa Rica, Italy, Mali, Saudi Arabia
Launch or sustainment of a national campaign following pilot testing	4/6	Costa Rica, Italy, Saudi Arabia

Hand Hygiene Australia Since 2009, a nation-wide culture change program

Components:

- Executive commitment hospital, State, national
- Alcohol-based hand-rub at the point of care
- Alcohol wipes for shared equipment (not mandated)
- Education HCWs, patients & relatives
- HCW empowerment & engagement (talking walls, gimmicks)
- Clear outcome measures
- Public open reporting of good and bad results
- Measurement

HH compliance

- ABHRs usage data (monthly)
- Rates of methicillin-resistant S. aureus (MRSA):
- HCA-MRSA bacteremia per 100 patient discharges (100 PDs) (monthly)
- HCA-MRSA isolates per 100 pt days (monthly)



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5 May 2013 call to action:

- 1. Continue to focus on hand hygiene monitoring and performance feedback!
- 2. Patients have a voice too!
- Identify the best way to gather *patient participation* in hand hygiene promotion and improvement, according to the local culture and your facility's approach
- These two focuses were chosen on the basis of the HHSAF Global Survey findings (<u>http://www.who.int/gpsc/5may/</u> <u>hhsa_framework/en/index.html</u>)

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 Image: State Sta



on update # Hand Hygiene	Autoria x New for S/5/2013 For Healthcare Workers Online Learning Packa
Home Hand Hygiene Australia	Hand Hygiene Application (HHCApp) for INTERNATIONAL DATA COLLECTION PROJECT
Login Hand Hygiene Compliance Application > <u>Peer Group Guidelines</u>	Hand Hygens Australia (194A) welcomes you to the HHA website, and to the HHA hand hygines compliance application - HHCAppl HHA, our of the next active national hand hygines converging, hand developed an online web based application for hand hypers compliance neutronic generation with the VHO band hypers observation methor HHCApp has grantly ussated in the measurement and restricts of hand hand resonance compliance allow allo scoreting values or HOA hand and advantation and the instruction web and restricts of hand hand resonance compliance allow allo scoreting values or HOA hand in Australia and 4
National Data	hospitals in New Zealand. HHA has kindly agreed to marke HHCApp feely available for use by other national campaigns or healthcare facilities. This webpage has been specifically set up for non-AustralianNew Zealand hospitals who wish to feely access and use the data collection and reporting tool developed by HHA.
5 Moments for Hand Hygiene	In the context of activities for 5 May 2013, the World Health Organization (WHO) SAVE LIVES: Clean Your Hands http://www.nho.int/goscSmmy/emi (initiative strongly encourages countries and individual healthcare settings to use the HIVCApp and participate in the international data collection preject launched by HIA.
Alcohol Based Hand Rubs	HHCApp is accessible via any mobile device (Smart-phone, IPads, tablet etc.) with web browsers, or on desktop computers wit internet browsers (IE 7 and above. Goode Chrome. Firefox or Safari)
Hand Care Issues	When mobile devices are used, hand hygiene compliance data collected through direct observation according to the WHO "My

Monitoring of Alcohol-based Hand Rub Consumption Caveats

- It does not address behaviour and thus cannot help behavioural change
- It can be reliably used as an indicator only when ABHR is the predominant hand hygiene action
- Results must be adjusted for surgical hand preparation technique
- Influenced by unnecessary hand hygiene actions by healthcare workers, use for other purposes (e.g. surface disinfection), and use by patients and visitors

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Organization	A World Namon for Safer Houldh Care	Clean Your Hands

Systematic literature review of automated / electronic systems for hand hygiene monitoring

Main Objective:

To review the available <u>published</u> studies related to the use of automatic/electronic systems for hand hygiene monitoring

- Specific objectives:
- To evaluate type of technology and methods used for monitoring hand hygiene compliance by automatic/electronic systems
- To assess the correlation of these methods' results compared to standard hand hygiene direct observation data
- $\succ\,$ To analyze advantages and disadvantages of these methods
- To assess feasibility and cost issues
- To evaluate association with improvement of other process and outcome indicators



dine, Italy), Dr J. Boyce (New Haven Hospital, ew Haven, USA) Ms C. Kligatrick (Glasgow, cotland, UK) and Dr H. Sax (Zurich University ospitals, Zurich, Switzerland) for technical ontribution to this review

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Systematic literature review of automated / electronic systems for hand hygiene monitoring Advantages	Systematic literature review of automated / electronic systems for hand hygiene monitoring Drawbacks, gaps
 Continuous monitoring Mitigation of the Hawthorn effect No expertise, human resources required for observation Automatic data downloading and analysis Useful to evaluate dispenser use according to location Effective as an intervention to improve compliance 	 No distinction between indication and opportunity Most systems refer to entering and/or leaving from the room and not to standard indications Risk of jeopardizing the 5 Moments approach Only methods with personal badge are able to identify the HCWs and their number per each opportunity Hand hygiene technique and glove use not assessed Cost evaluation not available (cost available in 1 study only) Unaffordable for settings with limited resources
World Health Organization Patient Safety + wet west with twee with twee SAVE LIVES Clean Your Hands	World Health Organization Patient Safety + wet west vide wet day SAVE LIVES Clean Your Hands



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- 5. Identify champions to support the patient participation programme in your institution
- 6. Pilot test the Programme
- 7. Measure the success of your Programme

http://www.who.int/gpsc/5may/5may2013_patient-participation/en

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Let's celebrate!!! 2009-2013 5th year of 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 Page 8 Were Market M

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PFPS Champions in Action around the World
the tip of the iceberg –
USA – PFPS champion through her organization - MRSA Survivors Network – inspiring others through webinars and talks on hand hygiene and MRSA prevention







Acknowledging Reality Resolutions Going Forward

- Patient perceptions and fears
- Perceived gaps in guidance for patient
- Disturbing variation in levels of compliance by staffs
- Feedback and the role for patients
- Collection of patient experience data through the audit process
 The role of leaders in empowering patients and facilitating
- meaningful partnerships
 Acknowledging that the patient has the greatest vested interest in the outcome
- The necessary commitment from healthcare





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July 3

Risk Assessment and Priority Setting in Infection Control in Low to Middle Income Countries, Prof. N. Damani,

August 7 Decontamination of High-Touch Environmental Surfaces in Healthcare: A Critical Look at Current Practices and Newer Approaches, Prof. S. Sattar

September 3 Preventing Central Line-Associated Bloodstream Infections: The Matching Michigan Approach Applied in the USA and Other Countries, Prof. P. Pronovost

October 9 Implementing Infection Control Through a Patient Safety Partnership Approach in Africa,

November 11 Antimicrobial Resistance Issues Worldwide and the WHO Approach to Combat it, <u>Dr. C. Pessoa da Silva</u>

December 4

Control of Multi-Drug Resistant Organisms in the Nursing Home Setting, Prof. A. Voss

