Implementing Infection Control

Ways to get your hospital to talk about infection control

Andreas Voss, MD, PhD

Clinical Microbiology & ID Professor of Infection Control CWZ and Radboud umc Nijmegen, The Netherlands

[iprevent]

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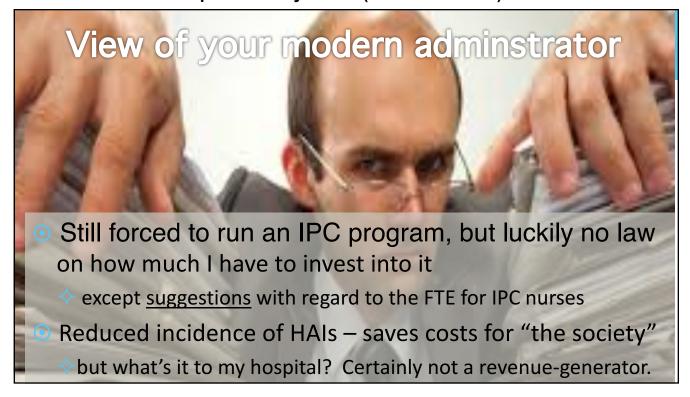
December 13, 2018



ECDC Core Competencies Programme management Quality improvement Surveillance and investigation HAIs Infection control activities Generating money or convincing administrators is nowhere in it Ore competencies for infection control and hospital hygiene professionals in the European Union. Stockholm: ECDC; 2013



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#1 What can I do to convince my hospital director? #2 What do I have to ask my hospital director?

What can I do to convince my hospital director?

- 1. Convince your administration that "we" have a problem
- The "business case for IPC"
- 3. Ensure your "mission" is known
- 4. Show that IPC is more than "saving costs"
- 5. Choose best things to do with your "fixed budget"
- 6. Never waist a good outbreak or public health crisis

[iprevent]

1. Convince your administration that "we" have a problem

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Do we have a real problem?

Show that HAIs are a problem in your hospital

First prevalence study of NI at HUG, 1994

Prevalence of infected patients 16.9 %

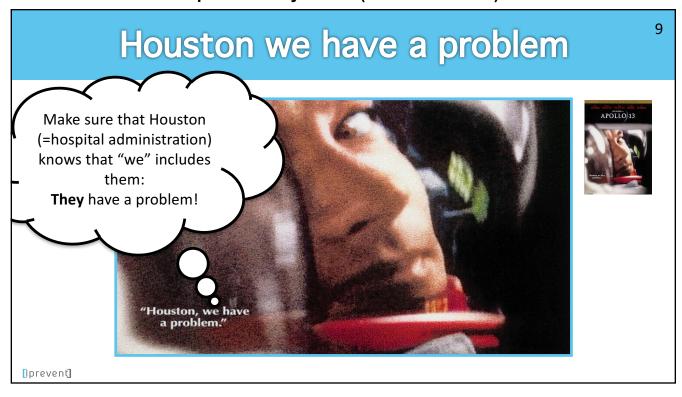
Total number of admissions 40'000

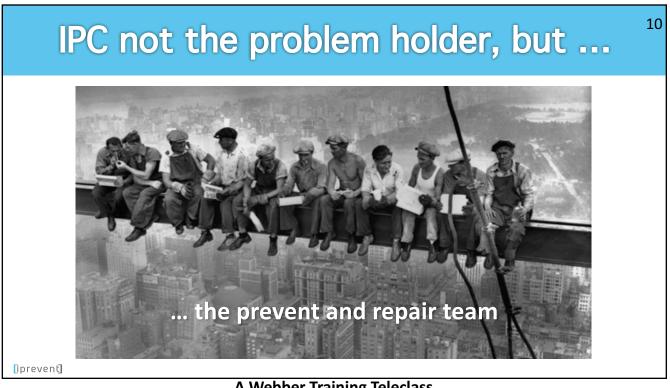
~ 6800 infected

Additional costs associated with treatments, complications, and increased length of stay

(estimates, CHF) 23.5 mio

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2. The Business Case For Infection Control 11



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SHEA GUIDELINE

Raising Standards While Watching the Bottom Line: Making a Business Case for Infection Control

Eli N. Perencevich, MD, MS; Patricia W. Stone, PhD, MPH, RN; Sharon B. Wright, MD, MPH; Yehuda Carmeli, MD, MPH; David N. Fisman, MD, MPH, FRCP(C); Sara E. Cosgrove, MD, MS

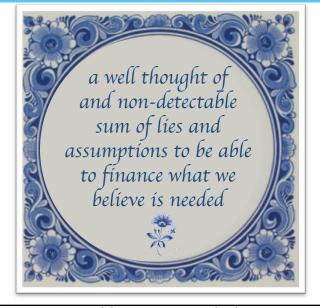
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The business case for ICP (SHEA guideline) 13

- 1. Frame the problem + create hypothesis about solutions
- Create interest by meeting with key stakeholders
- Determine <u>local</u> costs of intervention, costs that can be avoided by reducing HAI, and attributable and variable costs
- 4. Calculate financial impact and other health benefits
- Communicate the possibilities of the BC
- Prospectively collect cost and outcome data

[iprevent] adjusted from 9 point SHEA guideline

My personal view on business cases



[iprevent]

Truly and accurately evaluate the cost-benefit

- Describe a problem (e.g. CLABSI)
- Look for possible solution (e.g. coated catheters vs "bundle")
- Do a full economic evaluation estimating the costs of CLABSI in your hospital (including extra LOS) and the costs of the intervention
 - ♦ Benefit is reduction of costs AND gain of revenue (e.g. shorter LOS)
- First use basic IPC than start on the "gadgets"

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Do not wait until a typical doctor in your hospital wants to implement a new gadget based on alternative facts, or on arguments Such as ...

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3. Ensure your "mission" is known



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Example of "mission statement"

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Our mission is to promote a healthy and safe environment by preventing the spread of MDROs and the transmission of infectious agents among patients and staff.

We strive to accomplish this in an efficient and cost effective manner, based on external and internal standards, keeping in mind the best ways we can support our clinical colleagues and serve our patients and their families.

[iprevent] adapted from Hoffmann K, Infect Control Today, Dec 2000

4. Show that IPC is more than "saving costs"



[iprevent]

Cost-effectiveness is not the only key to your administrator's heart...

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- Safe care = better care
- Corner-stone in preserving antibiotics
- Stimulate general preventive measures e.g. flu-shot
- Engage in visible actions e.g. hand hygiene action that get picked-up by press
- Educate not only HCWs, but patients and the public
- Try to evaluate patients satisfaction with regard to IPC

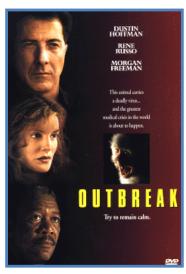
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4. Never waist a good outbreak

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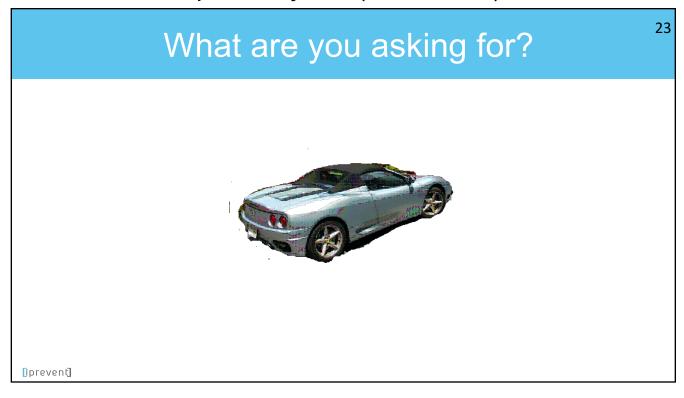
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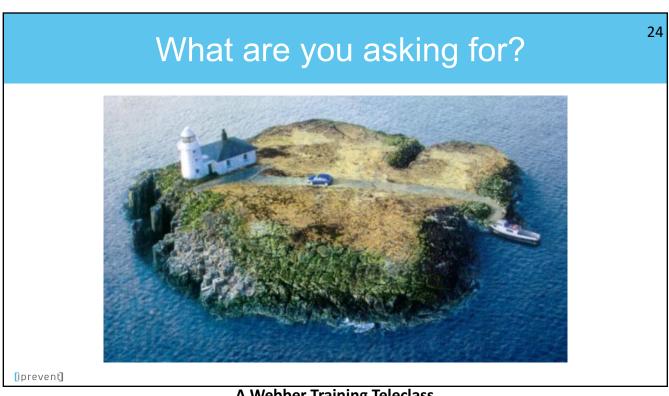
Never waist an outbreak or PH-threat

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- This is the time to put all your knowledge and engagement into visible action
 - ♦ the better you do your job normally, the less your work is recognized
- Time to stress the importance of new typing methods, rapid diagnostic test or an IPC measure that so far weren't funded
 - ♦ VRE outbreak: cleaning wipes
 - → Flu-threat: GeneXpert and others

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5. Choose best things to do with your "fixed budget"

- Task differentiation
- Link-nurse system
- Prioritize high prevalence units/problems
 - → actually choose "posteriorities" you really don't do!
 - → turf unwanted tasks (e.g. needle-stick accidents to occupational health)
 - → invent new positions in professional guidelines (DSMH/DSRD)
- Invest in better software and automation (e.g. surveillance)
- Engage clinicians (e.g. surgeons in charge of SSI improvement)

[iprevent]

What do I have to ask my hospital director?26

- 1. Structure and position in organization
- 2. Access to all data sources
- 3. Use of rapid diagnostic tests & typing
- 4. Moral support (by administration and medical director)
- Finance CME including (non-ICP) education
- 6. Freedom and support to implement new idea's

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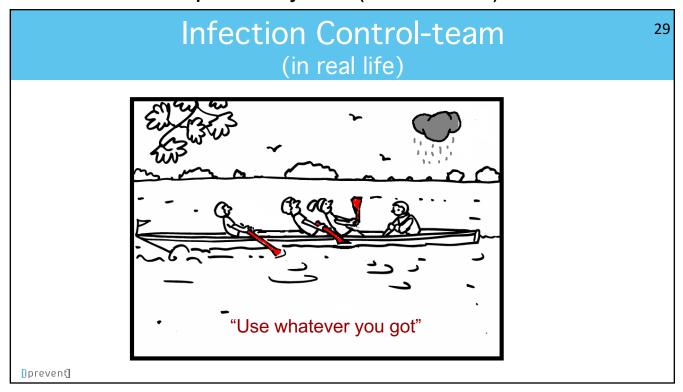
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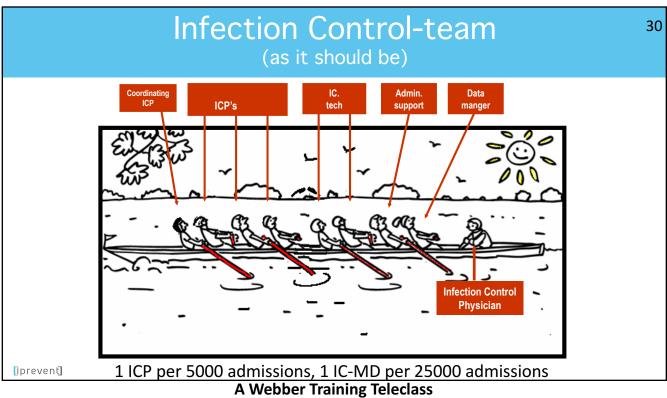
1. Structure and position in organization

- Independent department
- Direct line with administration
- Referred responsibilities for ICP
- ICT support & software
- Located within hospital, preferably in conjunction with MMB or ID-service
- A better than SENIC formation

[iprevent]

Infection Control-team (SENIC guideline) 1 MD per 1000 beds 1 ICP per 250 beds





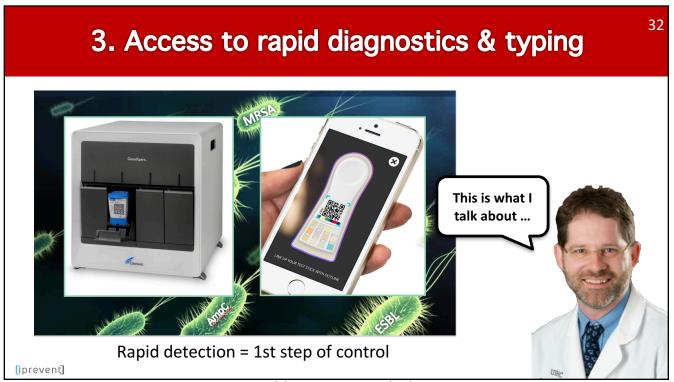
2. Access to all data sources

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Access to:

- All departments (requested and un-requested)
- All patient files
- OR systems
- Complication registration systems
- Census data of the hospital
- Facility services and medical technique reports

[iprevent]



POCT & zero-costs diagnostics



- Testing in <u>all</u> healthcare settings
 today mainly hospital
- Direct action with regard to "isolation"
 less transmission, better logistics
- Change of empiric treatment
 - as a consequence reduction of mortality
- Paradigm shift in LMI-countries
 - from no diagnostics to the top

Sorry Dan – needed to say this

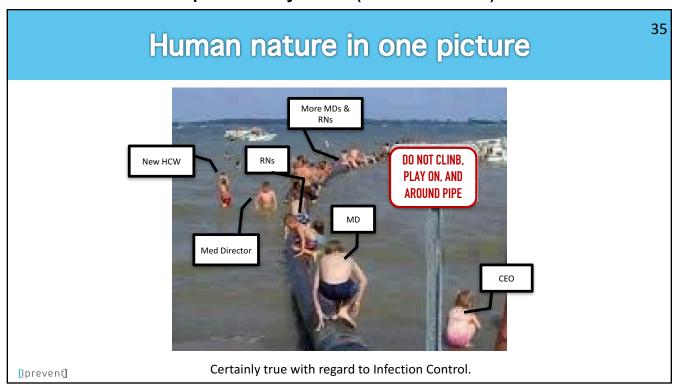
4. Moral support

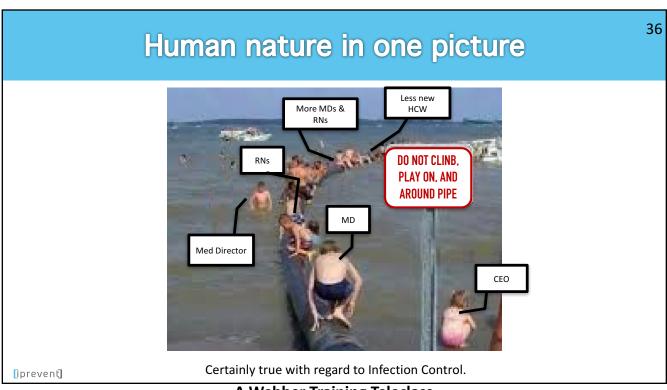
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- Administration and medical director (or executive board of the medical staff) need to be main and visible drivers of the patient safety culture change
- Without their support no major changes in your institution will be achievable

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5. Support CICE including (non-ICP) education



- Continuous Infection Control Education (CICE) for ICPs is a must
- Invest in "soft" education such as communication skills, behavioral science, negotiation skills, ...

other HCWs

- Make in-house ICP education mandatory (min. starting HCWs)
- IC-meetings for regional stakeholders (and the general public)
- Include ICP training early-on in training of nurses and interns (preferably at school level)

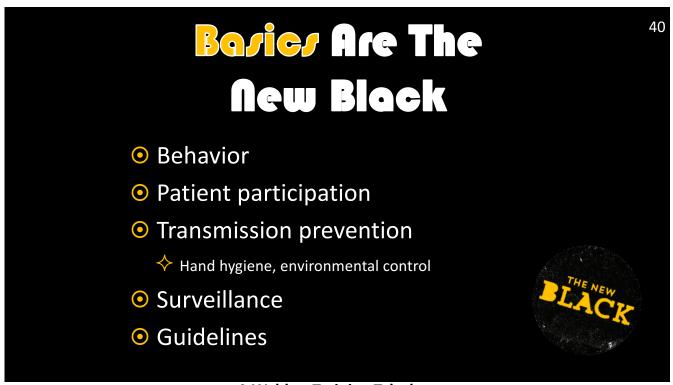
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6. Freedom to implement new idea's 6. Freedom to implement new idea's

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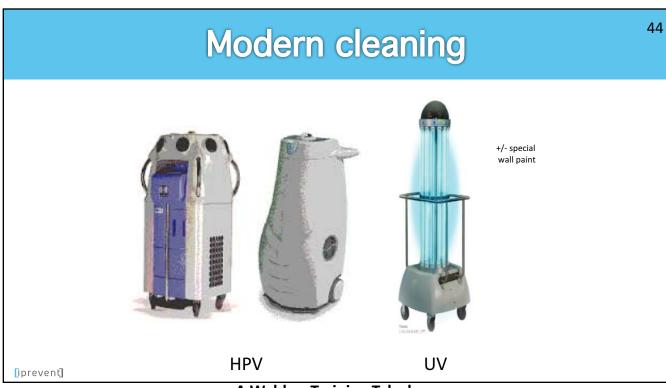




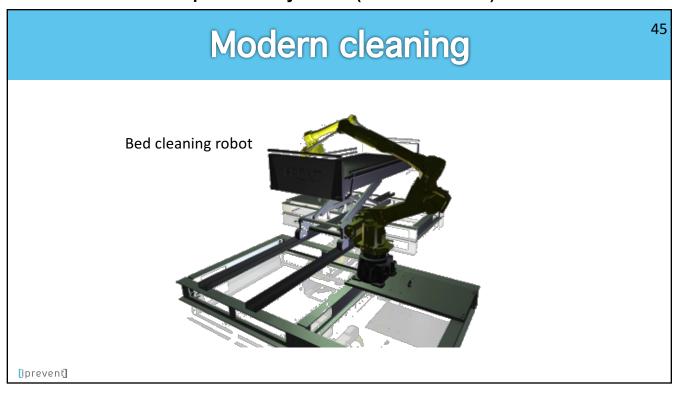


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Surveillance

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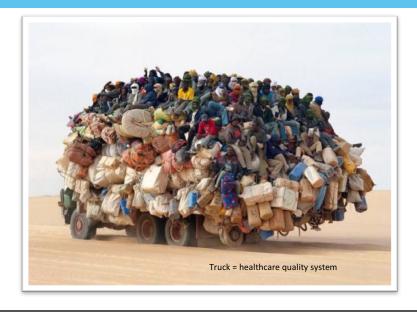
- The feedback of structure-, process- and outcome parameters to HCWs will continue to be an important part of infection control
- Surveillance only works when going "full-circle" (PDCA)
- Bundles, including bundle compliance, should be included in surveillance systems
- Not the need for surveillance but the methods will change.

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Far too many guidelines – not enough common sense



[iprevent]

[iprevent]

Thanks a lot

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not stopping me from doing something, but giving me a push!

(even it it sometimes took a while for them to recognize that should be their job)

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December 14, 2018	(FREE WHO Teleclass - Europe) NEW PERSPECTIVES ON INFECTION PREVENTION AND CONTROL PROGRAM ASSESSMENTS IN THE SPIRIT OF IMPROVEMENT Speaker: Prof. Benedetta Allegranzi, World Health Association Global Infection Prevention and Control Unit Sponsored by the World Health Association
January 17, 2019	(FREE European Teleclass) THE FALLOUT OF FAKE NEWS IN INFECTION PREVENTION, AND WHY CONTEXT MATTERS Speaker: Prof. Didier Pittet, University of Geneva Hospitals, and Dr. Pierre Parneix, Hôpital Pellegrin, CHU de Bordeaux, France
January 31, 2019	BARRIERS AND FACILITATORS TO CLOSTRIDIUM DIFFICILE INFECTION PREVENTION, A NURSING PERSPECTIVE Speaker: Dr. Nasia Safdar, University of Wisconsin School of Medicine and Public

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