


Preventing Infections in Healthcare Workers: Strategies and Challenges
Bruce Gamage, IPAC Canada President
Broadcast live from the French Society for Hospital Hygiene Congress, Tours,



3, 4 et 5 juin 2015
XXVI^e Congrès National de la Société
Française d'Hygiène Hospitalière

SF₂H
Risque infectieux et soin

Preventing Infections in Healthcare Workers: Strategies and Challenges

Bruce Gamage, RN BSN CIC
IPAC Canada President 2014/2015

**Broadcast live from the 2015 Congress
of the French Society for Hospital Hygiene**

www.webbertraining.com **June 3, 2015**

Disclosures

- ▶ I have no disclosures
- ▶ I have a French name, but I don't speak French 😊

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Outline

- ▶ Why don't healthcare workers follow infection control protocols?
- ▶ What hasn't worked?
- ▶ What strategies have promise?
- ▶ Let's talk about Ebola...
- ▶ Lessons learned

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Why don't healthcare workers
follow infection control protocols?

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Human nature

- ▶ People don't do what they don't have to
- ▶ For the most part there are no consequences
- ▶ There are no immediate impacts
- ▶ No one is watching...



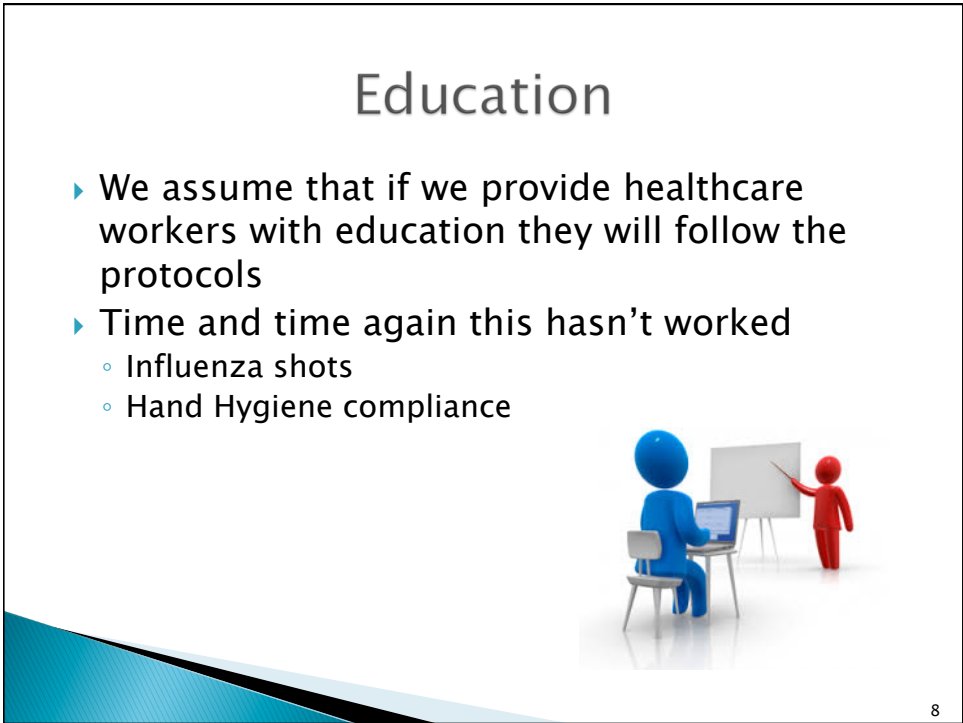
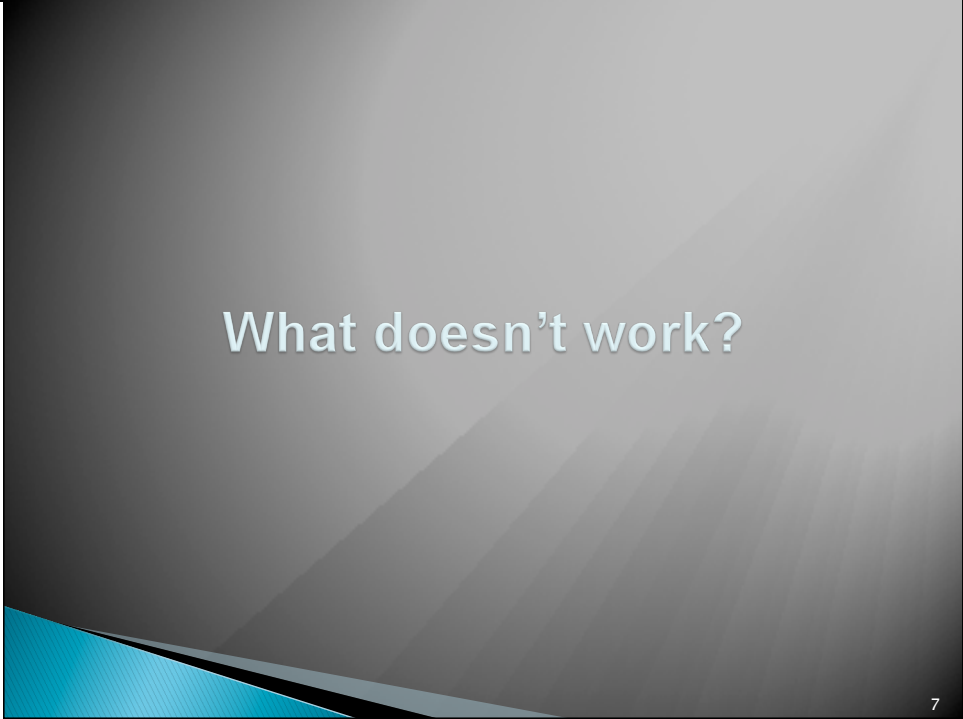
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People follow IC when...

- ▶ There is fear
- ▶ There is media attention
- ▶ E.g. SARS, H1N1, Ebola
 - Leads to over-reaction
 - We saw very high vaccine rates during H1N1
 - HCW demanded highest level protection during SARS and Ebola outbreaks



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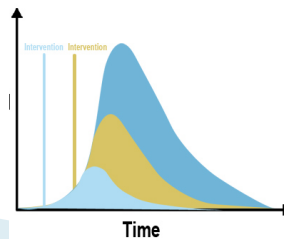
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Promotions

- ▶ Posters
- ▶ Campaigns
- ▶ Incentives



- ▶ All have short term effects, but compliance always returns to baseline after short term improvements



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How do we get healthcare workers to change their behaviour?

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Fear/Media hype

- ▶ Healthcare workers do change their behaviour based on fear and media – but this is not sustainable
- ▶ Need people to understand that there is always threats to their lives...
- ▶ Media campaigns can work
 - Seatbelts
 - Drunk driving
 - Cigarettes
 - Safe Sex
- ▶ Resulted in cultural shift – but takes a long time



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Punishment/Financial Penalty

- ▶ Loss of admitting privileges
- ▶ Loss of job

- ▶ Has worked in some US hospitals – influenza vaccine rates of 99.9%



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Big Brother is Watching...

- ▶ Direct observation of healthcare workers has worked to increase hand hygiene compliance
- ▶ Public reporting of infection rates/hand hygiene compliance rates
- ▶ Competition between units
- ▶ But there is the Hawthorne effect



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Fundamental to getting healthcare workers to change their behaviour is addressing culture...

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Culture eats Strategy for Lunch

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Positive Deviance

- ▶ Has had some success in getting improved compliance
- ▶ PD doesn't come up with new IC interventions
 - All interventions are already proven effective in literature
 - Individuals need to come up with interventions that work within their micro-culture
- ▶ PD is best applied to complex problems that are deeply rooted in culture

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Leading Questions...

- ▶ How do you know when someone has an infection?
- ▶ What do you do to protect yourself and others from this infection?
- ▶ What keeps you from doing this every time?
- ▶ Who do you know who seems to do a better job?
- ▶ Does anyone have any ideas about what we should do next?

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Let's talk about Ebola...

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840 healthcare workers have been infected during the recent Ebola outbreak in West Africa...
491 have died...

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What's the best approach?

- ▶ Evidence or fear based approach?
- ▶ We know that Ebola is spread by droplet and contact transmission (not airborne)
- ▶ But patients who are acutely ill are having projectile vomiting and explosive diarrhea..



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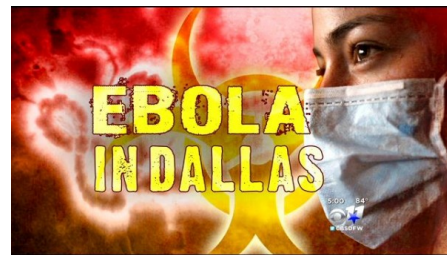
Attention to detail



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Then along came Dallas

- ▶ Patient travelled from Liberia
- ▶ Sent home initially
- ▶ returned with advanced symptoms and died
- ▶ 2 nurses infected
- ▶ None of his close contacts in the community became ill



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IPAC changes



- ▶ Fear and overreaction
- ▶ 'No skin in the game'
- ▶ Differentiation between low transmission risk ('dry') and high transmission risk ('wet') patients
- ▶ Recognition that the greatest danger is in late stage disease with copious body fluids, particularly vomitus and bloody diarrhea
- ▶ Importance of fluid impermeable PPE

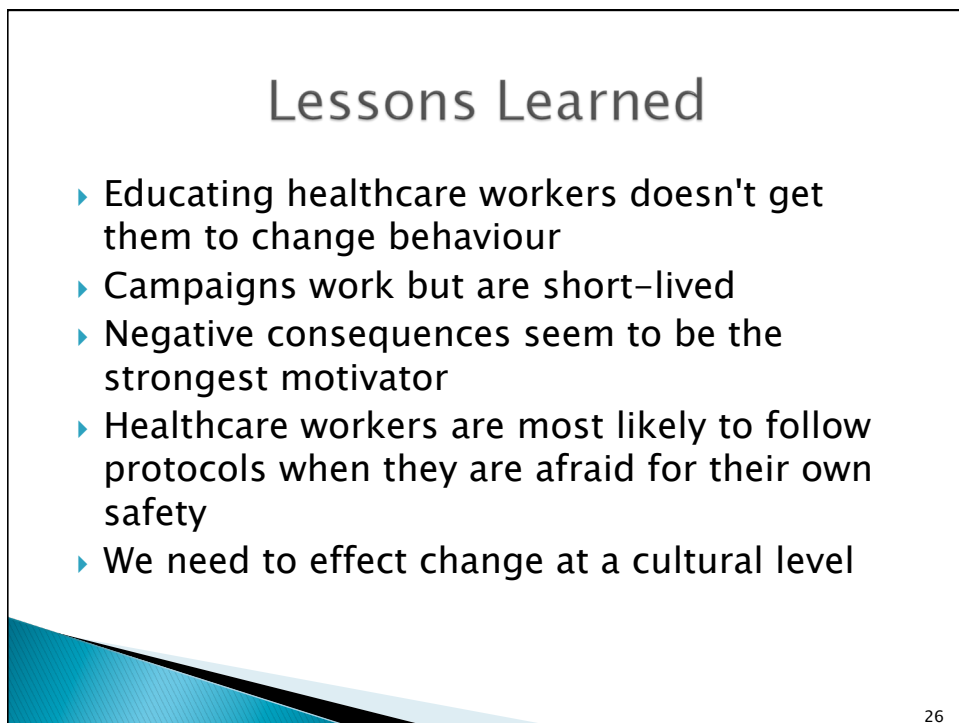
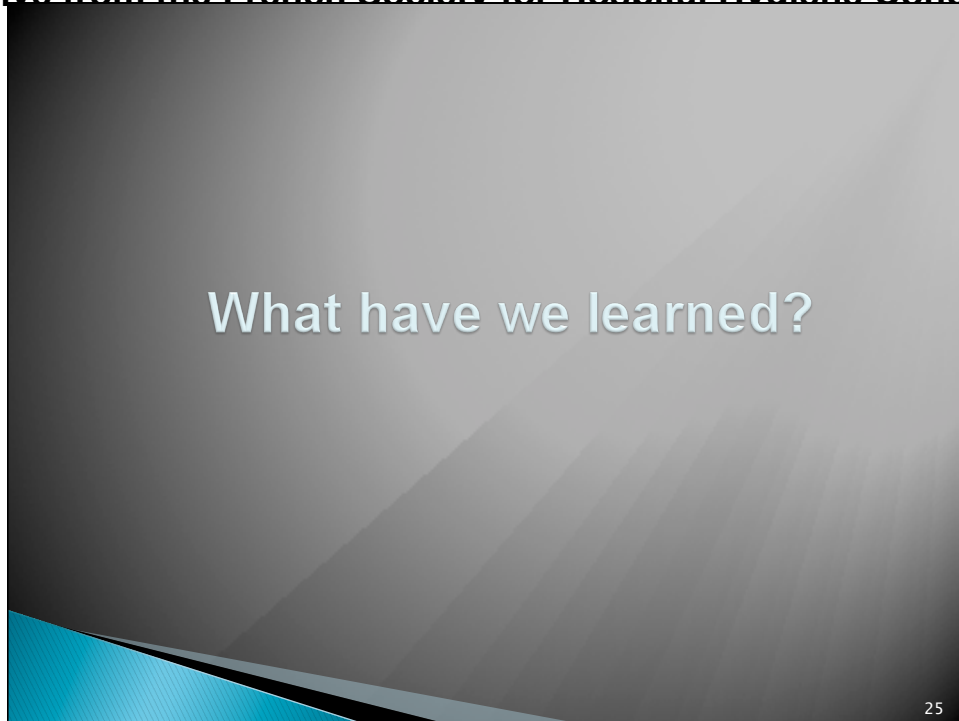
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Controversies

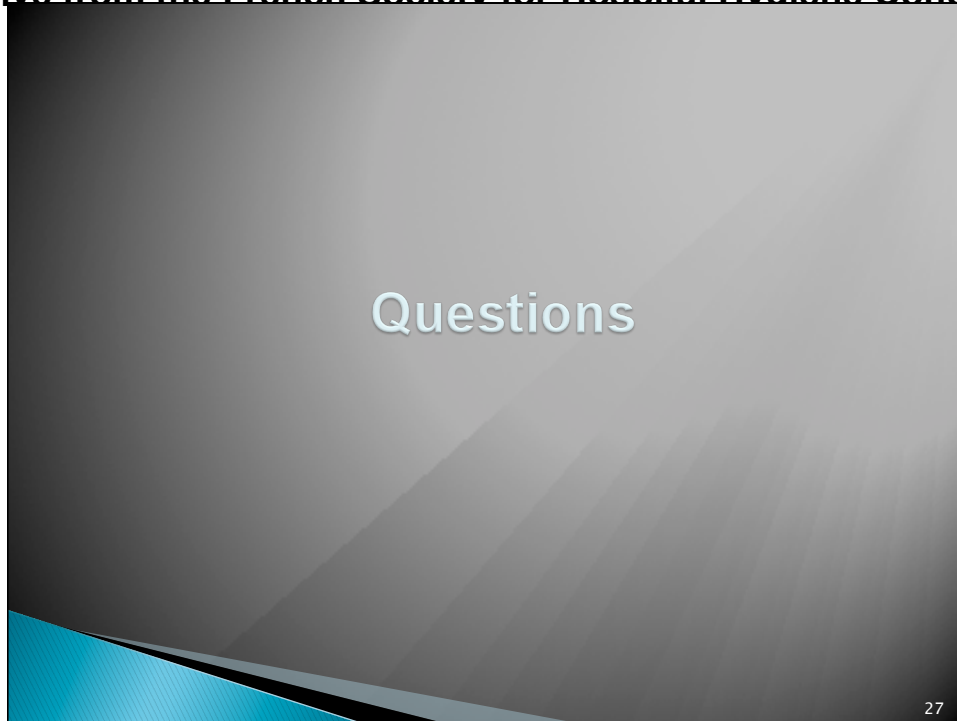
- ▶ Can it be 'airborne'?
- ▶ Need for respirators
- ▶ Can we be ready everywhere?
- ▶ Centralized care versus regional model
- ▶ We will need to be prepared...



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www.sf2h.net/sf2h_in-english-as-well.html

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Fédérer

Prévenir

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SF2H **TRAVAUX ET PUBLICATIONS** **CONGRÈS** **IN ENGLISH AS WELL**

THE FRENCH SOCIETY FOR HOSPITAL HYGIENE [SF2H] / OBJECTIVES

The SF2H society is composed of professionals working in the field of hygiene promotion in health care, to promote safety and quality of care, epidemiology, prevention and the fight against healthcare associated infections including nosocomial infections; safety and health awareness, evaluation, accreditation and risk management in the field of healthcare associated infections.

MORE DETAILS...

- :: The Board
- :: The International Commission
- :: Articles of the association

THE FRENCH SOCIETY FOR HOSPITAL HYGIENE [SF2H] / MISSIONS

National and international structures involvement.

:: AFNOR : Association Française de Normalisation :: AFSSAPS : Agence Française de Sécurité Sanitaire des Produits de Santé :: CCLIN : Centres de Coordination de Lutte contre les Infections Nosocomiales :: CEN : Comité Européen de Normalisation :: GREPHH : Groupe d'Évaluation des Pratiques en Hygiène Hospitalière :: HAS : Haute Autorité de la santé :: HCSP : Haut Conseil de la santé publique.

Organization of congresses, seminars and consensus conferences.

To date, 21 national conventions but also a number of board seminars (disinfection, Endoscopy guidelines, quality assurance, recommendations for disinfecting hands; recommendations on air in the operating room) and consensus conferences under its aegis (Prevention of aspergillosis risk in immunocompromised patients, preoperative management of infectious risk ...) or partnerships (how to improve the quality of antibiotic therapy in residential care, nosocomial urinary tract infections ...).

The SF2H is a member of The European network to promote infection prevention for patient safety and of the IFIC.

SF2H ANNUAL CONGRESS TOURS

3-4-5 June 2015
Tours, France

SELECTION OF WORKS

- :: Translated guidelines
- :: SF2H Congress : international sessions

Site officiel de la Société Française d'Hygiène Hospitalière (SF2H) - Mise à jour le 18/05/2015 - Plan du site | Conception Argômédias / 47150 Monflanquin

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