Core Competencies for Infection Prevention and Control

Peel Community IPAC Education Day

April 11, 2013
Overview

• Why do we need education on infection prevention and control?
• What has happened in the past?
• What is PHO doing?
Background

• 2013 – a mysterious new illness is seen in China and Hong Kong – high death rate associated with this

• Infections appear in the GTA –
  • Appears to spread easily
  • Healthcare providers are being infected
  • Deaths in cases and healthcare providers

• Ontario’s healthcare system ill-equipped to deal with this new illness

• Severe Acute Respiratory Syndrome – SARS!
Post - SARS
What happened?

- Ministry of Health and Long-Term Care (MOHLTC) made significant investments in infection prevention and control through:
  - Creation of Provincial Infectious Disease Advisory Committee
  - Creation of 14 Regional Infection Control Networks
  - Funding of infection prevention and control professionals in hospitals
  - Creation of education program on infection prevention and control for healthcare providers (the Core Competencies)
MOHLTC - IPAC Core Competencies

- 2007 – MOHLTC
  - On-line and CDs
  - Three initial modules
    - Hand Hygiene,
    - Chain of Transmission,
    - Routine Practices
  - Multiple choice quizzes
  - An additional 5 modules were developed but never delivered
  - Initial modules geared to acute care professional staff

www.oahpp.ca
Then ...

- 2010 – MOHLTC transferred responsibility for this project to PHO

- First step:
  - An evaluation of the existing modules
  - Environmental review of other IPAC programs for healthcare providers

- Evaluation identified need to re-vamp the modules
  - More user-friendly
  - Needed to reflect the different healthcare sectors

- Advisory Committee and Working Group convened to re-design the modules
2010

• The process began:
  • Education Specialist → Esther Chan
  • Infection Control Specialist → Shirley MacDonald
  • Recruitment of external vendor
  • Generic info → sector specific
  • Multimedia expert and E-Learning Developer → Mary Plasterer

• Content based on PIDAC-IPC Best Practice document – *Routine Practices and Additional Precautions in all Healthcare Settings*
Features

- “Stop and Think”
- “Practice Activities”
Features

- Interactive features to keep the learner engaged
- Self paced to accommodate different learning needs
Features

• Multi-media and E-learning Developer
• Design of the e-learning modules and components
• The look
• The feel
• Navigation
Features

- Articulate Storyline
Features

• Professional videos and pictures
Getting the shot...
... however you can...
"Core"

• Routine Practices Module

• 5 components:
  • (General Introduction) √
  • Occupational Health and Safety √
  • Chain of Transmission and Risk Assessment √
  • Control of the Environment
  • Administrative Controls
  • Health Care Worker Controls √

√ = First group of components to be launched

Many of the truths that we cling to depend on our point of view.

Yoda
Knowledge to Action...
“Lights, Camera, Action”

10 videos:

- Hand washing
- Hand Rubbing
- Putting on gloves
- Taking off gloves
- Putting on gown and gloves
- Taking off gown and gloves
- Putting on facial protection
- Taking off facial protection
- Putting on full PPE
- Taking off full PPE
Over 120 still photos

- Various settings – hospital, LTC, home, clinic, EMS
- Stills and scenes
- Appropriate and inappropriate
- “realistic”
...the right mix...
Makeup?
Sometimes it takes a lot of work to mimic real life!
Next steps

- Professional narration of videos translated in French and English • Done
- Health Care Providers Articulate Build • Done
- Narration to be recorded • Late April
- Pictures to be inserted - placeholders • Done
- Videos to be inserted • Done
Next Steps, cont.

- Media Integration and testing
  • April 15 – 19th

- Training guide for all components
  • April 30th

- 3 components to launched
  • May 6-10th

- Finish Control of the Environment and Admin Controls; upload to PHO website
  • July
A sample of what you will see:

• [http://elearning.phodev.ca/Pages/default.aspx](http://elearning.phodev.ca/Pages/default.aspx)
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