

#### Infection control training challenges

- · Wide geographical dispersal of staff and facilities
- Governance, regulatory and accreditation requirements for documented training at orientation and thereafter
- Emerging credentialing requirements- eg. Hand hygiene, invasive device care
- · Availability of educators ; availability of staff for training
- · Need for different levels and types of training
  - clinical, non clinical - practical/theory
  - literacy and language barriers
- · Issues with engaging/reaching medical staff
- Translating education in to behaviour change!!

# 'e-learning'

- · Advantages:
  - Enables distance learning at time that suits person
  - Ability to take up where one has left off
  - Can be designed to appeal to several different learning styles
  - Often used conjunction with face-to-face teaching and practical instruction (skills labs) - blended approaches,
- · E-Learning pioneer Bernard Luskin: the "e" should be interpreted to mean exciting, energetic, enthusiastic, emotional, extended, excellent, and educational!

# Examples

- Australian Commission on Safety & Quality in Healthcare Hand Hygiene Australia package
- Infection control practitioner training package Donning and doffing of respiratory personal protective equipment
- (video)
- Central line insertion- CEC, NSW
- Intuition (UK) www.intuition.com NHS, UK
- Infection control training
   Sterilisation and disinfection (decontamination) training
- Vascular access device
- Urinary catheter insertion and careAntibiotic stewardship
  - Scottish PAUSE site <u>http://www.pause-online.org.uk/</u>
     Generic prescriber training (Manchester)

  - Specialist modules- ICU- CEC, NSW
- Low resource settings: <u>http://www.engenderhealth.org/ip/index.html</u> courses funded by Gates Foundation





When should I perform Hand Hygiene?		
Hand Hygiene should be performed regularly by healthcare workers during the course of a normal working day. Hand Hygiene should be a "habit" for all healthcare workers.		
Some examples of when to perform Hand Hygiei - Before and after toucking a patient, including - Before and after a procedure - After actual or potential contact with body fluits - If moving from a contaminated body alte to a c - After touching a patient's environment even if - Before and after glove use - Asy our earter and laves a patient care area	Section B - Questions 01. When should you not use Alcohol Based Hand Ruh? C On the vestencis @ Othere pathing on glows C if your hands are visibly soled C if you fingel	
If hands are visibly solled use soap and water If hands are visibly clean use the alcohol based h	02. Which of the following products can be used for Hand Hyglene? C Arctimicrobial scap and water C Scog and water C Alcola based hand make C All of the above	
	O3. What is the most efficient product to use for Hand Hygiene? C Bay saap and running water C Liquid saap and running water B/JAchoell Baser Hana Rub C Running water	





"Clean betwe	een"	
A "Clean Betwee any Hand Hygier	en" program will complement ie program as it	
<ul> <li>Minimises the from hospital</li> <li>Aids the sust program</li> </ul>	Safety facts Absorption	
The components program are:	<ul> <li>Studies have demonstrated minimal rates of cutaneous alcohol absorption</li> <li>You cannot absorb enough alcohol through your skin to lose you driver's license</li> </ul>	
<ul> <li>All non-critics needs to be c</li> </ul>		
<ul> <li>If equipment i water should</li> </ul>	The overall risk of fires associated with Alcohol Based Hand Rub is extremely low     Consult Material Safety Data Sheets, local Occupational Health and Safety, and HHA guidelines for product placement	
	Ingestion	
	<ul> <li>Ingestion is unlikely as</li> <li>The risk of poisoning is accidental ingestion</li> </ul>	Alected Brend Hond Dub testion unstancest
	Splashes	01. What should you use the alcohol impregnated wipes or cleaning wipes on? C BP $_{\rm cuffs}$
	Product should be place	C Patients slides
	<ul> <li>If a splash occurs don</li> </ul>	C ID tags
	Chile	EAll of the above

























Health

eLearning and face-to-face materials trialled; pilot completed in November

**NSW@HEALTH** 

AUSTRALIANCOMMISSIONON SAFETYANDQUALITYINHEALTHCARE

















#### NHS eLearning comments about course

- · Complaints re UK-specific content/setting (several)
- The repetition certainly re-enforced information, the quizzes were very helpful in keeping focus on the particular section...
- It is a very useful learning tool and can be taken at a persons own pace.
- A good course could be done in small chunks of time. Easy to
- navigate. Didn't get 100% on all assessments so wasn't over-easy!
  Excellent tool to reinforce need for consistent infection control
- measures.Good use of statistics to emphasize the issues enjoyed doing the
- Good use of statistics to emphasize the issues enjoyed doing the course would like to continue to go back so as to keep learning
- I feel all staff need to do this course to remind them of how important is is to prevent the spread of infection
- Well put together
- As I live in a remote location, it is often difficult to attend course away

# Where next with eLearning in healthcare?

- Transferrable electronic training/ certification records for all staff
- Embed eLearning training programs within complete online learning environment (e.g. Moodle, Blackboard etc)
- Track/integrate other face-to-face training and assessment in to same record
- Auditable compliance with training requirements

# Australian plans

- Australian revised ICG to be released late 2009
  - Plan to develop national training tools for HCWs on infection control
- · Antibiotic stewardship strategy
  - Training materials for prescribers and pharmacists envisaged

### eLearning 2.0

- Collaborative approaches
- Asynchronous vs synchonous activities
   Blogs, wikis, bulletin boards
- Screencasts
- Learning modules merlot
- increased emphasis on <u>social learning</u> and use of <u>social software</u> such as blogs, wikis, podcasts and virtual worlds such as <u>Second Life</u>

#### **Microbial literacy**

- Primary, secondary approaches
- Standardise training across tertiary health sciences streams
- Community education
- E-Bug <u>www.e-bug.eu</u> Antibiotic and hygiene teaching resource aiming to reinforces an awareness of microbes, hand and respiratory hygiene and the benefits of prudent antibiotics use among junior and senior school children across Europe.



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- Intuition:
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#### References

Merlot: expanding central repository for online education with peer reviewwww.merlot.org

www.hicsiganz.org - send us your own examples or suggestions to share with others! email Michelle Taylor at hicsig1@gmail.com

