e-Learning Solutions for Healthcare:
INFECTIOUS DISEASE

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**eLearning Solutions for HealthCare: INFECTIONOUS DISEASE**

- **Background**: Healthcare Acquired Infections (HAIs are infectious diseases ‘in the News’)

- **Issue**: Health, Morbidity/Mortality, Costs, Training, Audience

- **Current**: eLearning Solutions and eManual

- **Roundtable Discussion**: New Ideas from You
Healthcare Acquired Infections (HAIs)

What are HAIs?

- “Infections that patients acquire during the course of receiving treatment for other conditions within a healthcare setting” - CDC
Healthcare Acquired Infections (HAIs) – Where?

Where are HAIs contracted?

- Hospitals
- Long-term care facilities
- Clinics
- Dialysis centers
- Home care
- Outpatient locations
- Anywhere healthcare services are provided
Healthcare Associated Infections (HAIs) – Why?

- Patient safety issue throughout the world
- Each year in the US, 1.7 million patients acquire an HAI (99,000 die)
Healthcare Associated Infections (HAIs) - How Much?

Why are HAIs a ‘cost’ issue?

- The Centers for Medicare and Medicaid Services prevents hospitals from receiving payment for HAIs
- HAIs add approx. $5 billion to our healthcare costs
Infection Control Training for Healthcare Workers

Healthcare ‘training’ issues?

- Competing training priorities
- Multiple shifts
- Varied job roles
- Compliance tracking
- Limited time
- Reduced budgets
- National patient safety goals
Recent Training Survey

Feedback from healthcare facilities?

- 1 hour or less sessions
- Online preferred for most topics
- Awareness and intermediate
- Covers multiple audiences
eLearning Course Solutions for HAI Prevention
The Yale New Haven Health System
Center for Healthcare Solutions
e-learning HAI solutions:

- Web based infection control courses
- Online customizable infection control manual
- Learning management system solution

CME Credit offered by: Yale University School of Medicine
Learning Management System

http://ynhhs.emergencyeducation.org/chs.asp
Prevention of Healthcare Acquired Infections (PS 101)

- **Audience:**
  Non-clinical healthcare workers (e.g., environmental services, dietary, transportation)

- **Topics:**
  - Definition of Healthcare-Acquired Infections (HAIs)
  - How HAIs are contracted
  - How to reduce the risk of contamination
  - How to prevent the spread
Preventing the Transmission of Multidrug-Resistant Organisms (PS 201)

- **Audience:**
  Clinical (e.g., physicians, nurses, laboratory, radiology technicians)

- **Topics:**
  - Definition of Multi Drug-Resistant Organisms (MDROs)
  - Failure of MDROs to respond to treatment
  - Reducing the risk of contamination and spread
  - Patient safety strategies
  - Encouraging patients’ active involvement
Preventing Surgical Site Infections (PS 203)

- **Audience:** Surgical procedure staff (e.g., surgeons, anesthesiologists, operating room nurses, recovery room nurses, surgical technicians)

- **Topics:**
  - Definition of Surgical Site Infections (SSIs)
  - Identification of the associated risk factors
  - Description of methods to establish surveillance of the surgical site
  - Preventing the development of SSIs
  - Recognition of clinical guidelines to reduce SSIs postoperatively
Preventing Central Line-Associated Bloodstream Infections (PS 204)

- **Audience:**
  Staff who insert, remove and monitor central lines (e.g., physician, nurse practitioner, physician’s assistant, nurse)

- **Topics:**
  - Definition of Central Line-Associated Bloodstream Infections (CLABSIs), and identification of the associated risk factors
  - Preventing the development of CLABSIs
  - Guidelines for the insertion / removal of catheters
  - Recognition of the guidelines to reduce CLABSIs
It’s In Our Hands – Preventing Healthcare Acquired Infections (PS DVD)

❖ Audience:
This DVD video or online class is intended for all healthcare workers

❖ Topics:
- Reduce the spread of infections through hands
- Protocols for hand washing
- Communicate hand washing practices
Infection Control & Prevention, e-Manual (IPCM)

- **Audience:**
  Healthcare workers in infection prevention/control (e.g., administrators, outbreak coordinators, medical/nursing staff, educators, public health staff)

- **Topics:**
  - Just in time online reference
  - Precautions, guidelines, diseases
  - Customizable
  - Solution for infection control compliance practice
Related Online Courses

- Pandemic Flu (EM 180 & EM 280)
- Tuberculosis (ID 202)
- Bloodborne Pathogens (ID 203)
- Bioterrorism (EM 201)
Related Services

- Assessments/Analysis
- Education
- Research
- Planning/Implementation
- Subject Matter Expertise
- Project Management
Case Study and Panel Questions
Case Study:
Round Table Discussion on eLearning for HAIs

‘Typical’ Healthcare Facility –
We need an HAI training solution:

- Cost effective
- Tracked
- Low time investment
- Effective
- Compliant
- Available 24/7 (for different shifts)
- Easy to administer
- Relevant
- Preventative
Discussion: eLearning Solutions for the Prevention of HAI, Your Suggestions

- Simulations?
- Mobile Learning?
- Social Media?
- Knowledge Management?
- Others?
Contact Information

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