Voices of CHICA
Community and Hospital Infection Control Association, Canada

March 23, 2010

Hosted by Paul Webber
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Agenda

Board Update
Anne Bialachowski, President of CHICA-Canada

Update on 2010 Conference
Marion Yetman, Conference Chair

Audit Toolkit Update
Karen Clinker, Director, Programs & Projects

ARO Point Prevalence Study
Dr. Oscar Larios, Dr. Allison McGeer

CSA Guidelines for Disinfection and Sterilization
Susan Lafferty

CHICA Board Update
Anne Bialachowski
2010 President

2010 Conference

Marion Yetman
Conference Chair

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Voices of CHICA
March 2010 Edition

SOCK HOP!
50s and 60s Style
Wednesday, June 2, 2010

Karen Clinker
Director, Programs & Projects

Audit Toolkit Update

Oscar Larios MD, FRCPC
For the Study Team
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Rationale for Study

- The emergence of AROs is a major public health concern, particularly in healthcare.
- A high prevalence of AROs leads to increased lengths of hospital stay and bed-blocking in healthcare facilities.
- Although CNISP data are valuable, the surveillance involves a relatively small number of healthcare facilities, primarily tertiary-care teaching hospitals.

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**Purpose**

- To generate baseline data about AROs in teaching and non-teaching, large and small, urban and rural hospitals in Canada.
- Focuses on the burden of illness associated with three major antibiotic-resistant pathogens: MRSA, VRE, and C. difficile.
- Data will assist in defining the burden of AROs in Canadian hospitals, and support the appropriate prioritization of prevention programs.

**Objectives**

- **Primary**
  - To determine the prevalence of MRSA and VRE colonization and infection among adults hospitalized in Canadian acute-care hospitals.
  - To determine the prevalence of C. difficile infection among adults hospitalized in Canadian hospitals.
- **Secondary**
  - To describe demographic and select clinical/epidemiologic features of patients with prevalent MRSA, VRE, and C. difficile infection in Canadian hospitals.
  - To determine institutional characteristics associated with MRSA, VRE, and C. difficile infection rates.

**Methods**

- All 406 acute-care hospitals in Canada with at least 50 inpatient beds will be approached to participate.
- Eligible patients are adult inpatients (≥ 18 years of age) in participating hospitals on the day of the survey.
- A one-day point-prevalence survey will be conducted on a day between November 8 to 21, 2010 (each hospital chooses most convenient day).

**Data collection**

- Hospital questionnaire
  - 24 questions (eg. number of beds, services provided, cleaning policies, number of MRSA patients last year)
- Patient questionnaire
  - One for each patient with MRSA, VRE, or CDI
  - 13 questions (eg. age, gender, whether in private room)

**Data Management**

- Data will be analyzed centrally
- Hospitals will be coded, and all files will be password protected and stored only on secure servers.
- When the analysis is complete, each hospital will receive a summary of their own data, compared to all hospitals, and hospitals with similar profiles.
  - No data will allow anyone else to identify your hospital.
- Plan is to publish the results in a scientific medical journal.

**ARO Prevalence Study Team**

- Dr. Andrew Simor (principal investigator)
- Dr. Oscar Larios (co-principal investigator)
- Dr. Brenda Coleman (co-investigator)
- Ms. Denise Gravel (co-investigator)
- Mr. Zahir Hirji (CHICA co-investigator)
- Ms. Felicia Laing (CHICA co-investigator)
- Dr. Allison McGeer (co-investigator)
- Ms. Christine Moore (co-investigator)
- Dr. Karl Weiss (co-investigator)
CSA Sterilization Standards

Susan Lafferty

CSA Health Care Standards

- Z314 Series includes 25 Standards for Reprocessing, Handling and Storage of Medical Devices e.g.
  - Steam Sterilization
  - Warehousing

- Z317 Series includes Health Care Facility Engineering and Physical Plant e.g.
  - HVAC
  - IC and Construction

CSA Standards and ISO Standards

- Harmonized standards with ISO (International Organization for Standardization) e.g.
  - CAN/CSA Z17664-06
    Sterilization of Medical Devices—Information to be Provided by the Manufacturer for the Processing of Re-sterilizable Medical Devices

Frequently Used CSA Standards

- Z314.2-09 Effective Sterilization in Health Care Facilities by the Ethylene Oxide Process
- Z314.3-09 Effective Sterilization in Health Care Facilities by the Steam Process*
- Z314.8-08 Decontamination of Reusable Medical Devices
  *Incorporates Z314.13-01 Emergency (Flash) Sterilization which has been withdrawn

CSA Standards Title

- CAN/CSA Z314.3-09
  Effective Sterilization in Health Care Facilities by the Steam Process*

*Approved by Standards Council of Canada (SCC)
# Frequently Used CSA Standards

- **Z314.10.1-10**: Selection and Use of Gowns, Drapes, and Wrappers in Health Care Facilities
- **Z314.10.2-10**: Laundering, maintenance, and Preparation of Multiple-Use Gowns, Drapes and Wrappers in Health Care Facilities

Above replaces Z314.10-03 Selection, Use, Maintenance, and Laundering of Reusable Textile Wrappers, Surgical Gowns, and Drapes for Health Care Facilities

# BI and CI Standards

- **CAN/CSA Z11138-1-07**: Biological Indicators Part General requirements
- **CAN/CSA Z14161-06**: Biological Indicators—Guidance for the Selection, Use and Interpretation of Results
- **CAN/CSA Z11140-07**: Chemical Indicators Part General requirements
- **CAN/CSA Z15882-09**: Chemical Indicators—Guidance for the Selection, Use and Interpretation of Results

# Washer-Disinfector Standards CAN/CSA Z15883 (5 Parts)

- **15883-1-09** Part 1: General Requirements, terms definitions and tests
- **15883-2-09** Part 2: Requirements and tests for washer disinfectors employing thermal disinfection for surgical instruments, anaesthetic equipment, bowls, dishes, receivers, utensils, glassware, etc.
- **15883-3-09** Part 3: Requirements and tests for washer disinfectors employing thermal disinfection for human waste containers
- **15883-4-09** Part 4: Requirements and tests for washer disinfectors employing thermal disinfection for thermo-labile endoscopes
- **15883-5-09** Test Soils and methods for demonstrating cleaning efficacy
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Works in Progress

• Drafting new CSA Standard for Chemical Sterilization of Reusable Medical Devices in Health Care Facilities (anticipated publication January 2011)
• Drafting new ISO Guidance on “Product Families” steam sterilization
• 15883 Part 6 Standard for Cart Washer Disinfectors

Link to Sterilization Standards CSA Online Stores

• http://www.shopcsa.ca/onlinestore/GetCatalogDrillDown.asp?Parent=3686

• Standards can be purchased as:
  – online subscription (bundled or individually)
  – hard copies (individually)
  Note: Buyers of standards automatically receive amendments to existing, purchased standards

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