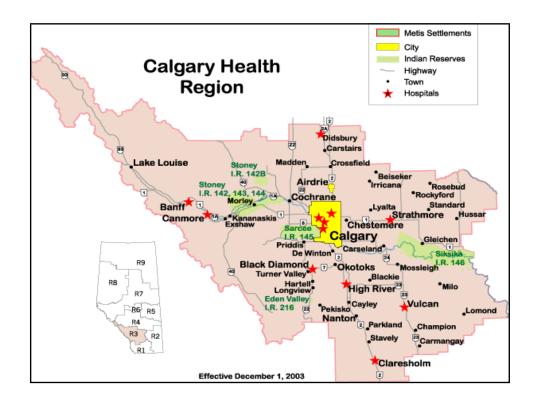
Developing an Integrated Infection
Prevention and Control Program on a
Regional Basis Using a Populationbased Approach: The Calgary
Experience, 1995-2005

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### The Calgary Health Region

- Fastest growing Health Region in Canada
- Service population: 1,085,496
- Employees: 23,000
- Urban acute care sector: >2000 acute care hospital beds on 4 sites
- Merger with rural health regions in 2003
- 12,000 home care visits per year
- 8,000 long-term care beds

### The Calgary Health Region

- Concentration of high-acuity specialized programs at one site
- Highly mobile patients in system
- Highly mobile staff in system
- Crowded emergency departments
- Outsourcing of housekeeping, long term care, surgical procedures, occupational health and safety, etc., etc., etc...

## CHR Infection Prevention and Control Program

- Director, Medical Director, 4 Site Officers, Hospital Epidemiologist
- One Infection Control Practitioner per 137 acute care beds
- Scope of coverage:
  - Acute care
  - Home care
  - Long term care facilities
  - Rural sites
- Infection Prevention and Control (IPC) investigative laboratory
- Affiliation with University of Calgary Community Health Sciences Program

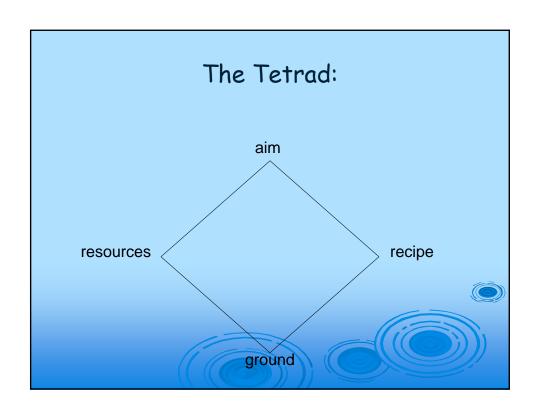
- Public Health accountability:
  - Calgary Health Region
  - Province of Alberta
- Public Health administered and funded through the Calgary Health Region

## When We Began... "The Barriers"

- Human
  - Lack of trust
  - "Turf" issues/job threat
  - Lack of shared values
  - Lack of a common goal
  - One Infection Control Practitioner per 180+ beds
  - One Medical Director

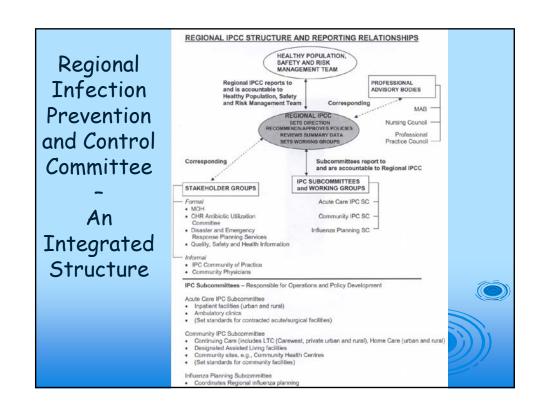
### "The Barriers"

- Infrastructure:
  - No regional information technology system
  - A small budget
  - Individual microbiology laboratories merging into one central laboratory
  - The issue of "out-sourcing"

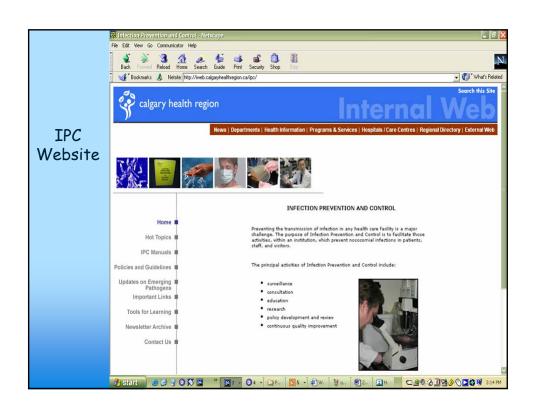


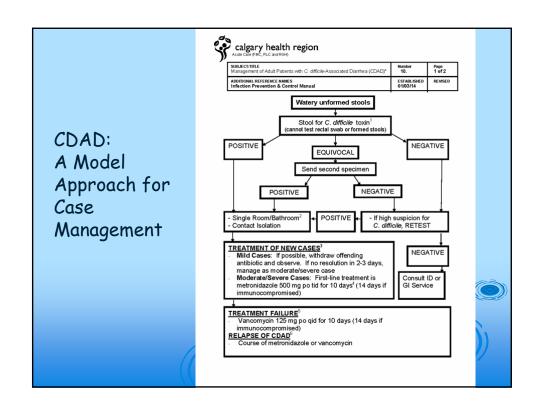


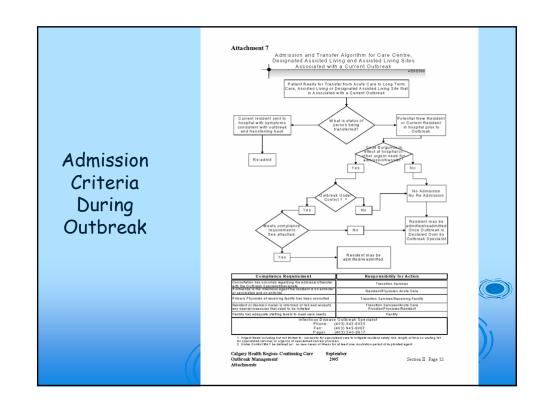
## Prior to a "Health Region" • Four acute care IPC committees • Site based, site administered • Individual policies, procedures, standards • Public Health liaison through the Medical Officer of Health attendance at each committee

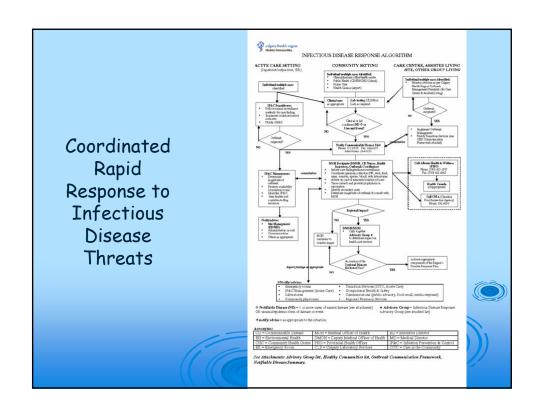


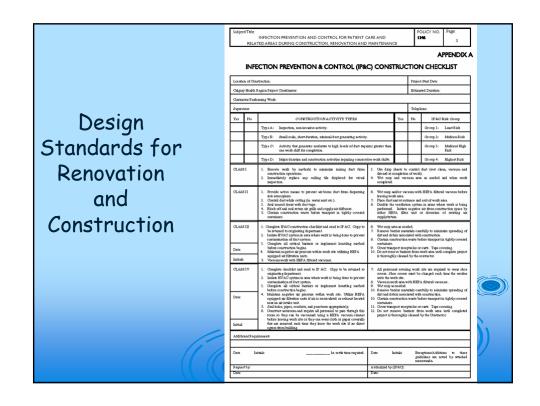
# Our Successes Surveillance programs for hospital-acquired infections that continue past the hospital walls System-wide tracking of antibiotic-resistant organisms and *C. difficile* Standardization of policies, procedures, practices On-line "searchable" IPC manual





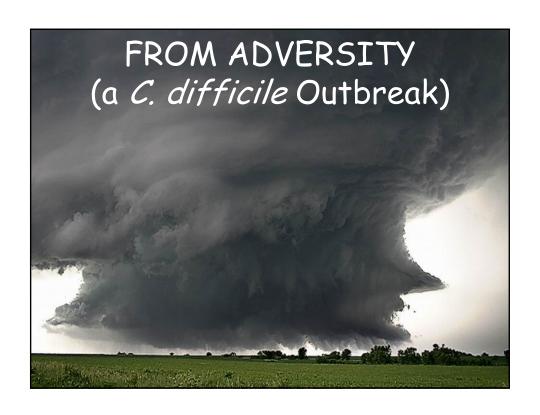




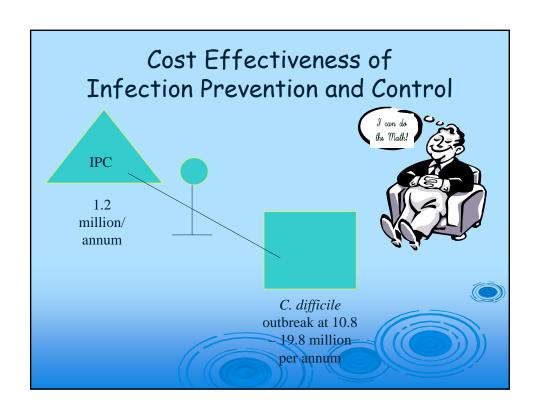








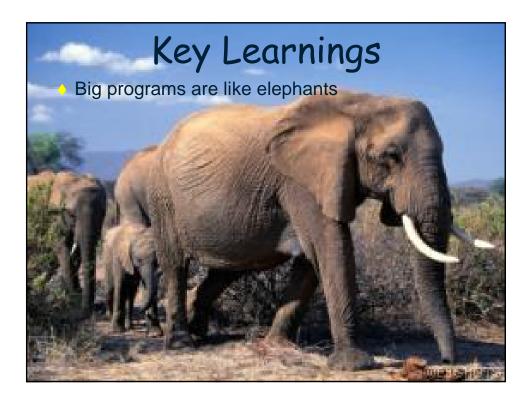






## Our Opportunities

- Developing interactive learning modules
- Employing social marketing strategy to change behaviour
  - Hand hygiene
  - Influenza vaccination
- The beginning of a strategy to control the rising trend in community-acquired MRSA
- An electronic health record
- We are training the next generation of IPC professionals



- Decisions are often on a large scale and involve extensive stakeholder input
- They can be slow!



## Innovation Requires New Approaches

- Creating communities of practice transcends programs and departments
- Choose Collaboration Over a Forced "Merger
- Create opportunities for short term gain, while embarking on long term change strategies

# Core Infrastructure Requirements Include Strong administrative and fiscal support Regional information systems

