

Infection Prevention and Control - Everybody's Business

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Infection Prevention & Control

- General principles of infection transmission
- Quality management
- Effective work policies & procedures
- Standard and Additional Precautions
- Infection prevention and control in specific settings

Successful **Infection Prevention and Control**

Depends on:

- Identifying risks & hazards
- Understanding how disease is transmitted
- Management support & adequate resources
- IP&C Program across all aspects of the Facility
- Infection prevention & control strategy/plan
- Use of standards, guidelines and accreditation programs

IP&C Programs aim to:

- Reduce the risk of infection transmission by:
 - use of standard and additional precautions
 - having specific policies & procedures for outbreaks including isolation procedures
 - implementing hand hygiene practices
 - having immunisation program
 - performing surveillance
 - using food safety programs
- which protect residents, staff and visitors

Responsibilities

- Establish effective policies and procedures
 - Ensure staff are involved
- Safe environment for all
- Education of staff
- Immunisation programs
 - staff
 - residents
- Sufficient resources: e.g.,
 - Personal protective equipment (PPE)

Standard & Additional Precautions

- **Standard Precautions:**

- Are basic practices for infection prevention & control
- Are used for all contact with body fluids and substances
- Require the use of PPE in particular situations
 - Gloves, gowns, masks/respirators, aprons

Standard & Additional Precautions 2

- **Additional Precautions:**
 - Are work practices required when standard precautions alone are insufficient
 - Based on transmission route
 - For example:
 - Isolation during an influenza or gastroenteritis outbreak

Colonisation and Infection

- ***Colonisation:*** is the presence, growth and multiplication of organisms without obvious infection being present
- ***Infection:*** refers to invasion of organisms into tissues with replication of the organism with obvious signs and symptoms of infection present
 - Redness, pain, pus

IP&C Team

- Membership will depend on type/size of the facility
- Need knowledge, understanding & interest
- Who?
 - decision makers – manager/DON
 - medical staff
 - staff representatives
- External links:
 - larger facilities with expertise
 - aged and acute care

Team Activities

- Development of policies and procedures
 - Regular review
 - Monitor compliance
- Education
- Surveillance – food, breaches of skin integrity, monitoring pathology results
- Prevention & management of outbreaks
- Staff health - immunisation

Immunisation

- **Staff**

- Influenza each year
- Hepatitis B
- Varicella (Shingles)
- MMR (if born since 1966)

- **Residents**

- Influenza each year
- Pneumonia at 65 and 70

Managing the Business of IP&C

- **Costs**

- **Predictable** – staffing & administration, surveillance, PPE, HCW screening, maintenance
- **Unpredictable** – individual infections, outbreaks, maintenance
- **Minimal** – education, manual data collection
- **Increased** – hand basins, upgrade of facilities

Managing the Business of IP&C 2

- **Savings?**

- Policies - Antibiotic and disinfectant usage
- Reduction in number of infections & outbreaks
- Reduced staff sick leave – influenza ?
- Reduced number of occupational exposures

“The priceless destroyer of bacteria with which Professor Carl Hoyer hopes to save thousands of lives”

Advertisement in a USA magazine in the early 1900s

DEATH TO GERMS, LIFE TO HUMAN BEINGS

The Priceless Destroyer of Bacteria
With Which Professor Carl Hoyer
hopes to Save Thousands of Lives

The advertisement features a central illustration of a figure in a military-style uniform with a plumed helmet, holding a large shield filled with a dense mass of bacteria. To the right, there are two circular diagrams showing the effect of the destroyer on bacteria, and a rectangular inset showing various types of microorganisms. The bottom left contains a block of text starting with 'The Priceless Destroyer of Bacteria...'

Genevieve Ryan

Remember

Prevention

is more **effective** and
more **efficient** than cure

External Contacts

VICPA:

Victorian Infection Control Professionals
Association

<http://www.vicpa.org.au/>

AICA: Australian Infection Control Association

<http://www.aica.org.au/>

Websites

- <http://infectioncontrol.health.vic.gov.au/>
Contacts for RICPRAC - Rural IP&C Committee
- <http://www.betterhealth.vic.gov.au>
General Health information

Websites 2

- www.health.vic.gov.au/ideas/diseases
 - The Blue Book
 - Disease Specific
- <http://health.dhs.vic.gov.au/ideas>
Public Health information
- www.health.vic.gov.au/immunisation
 - Immunisation

Websites 3

- www.health.gov.au/internet/main/publishing/nsf/Content/icg-guidelines-index.htm
 - National infection control guidelines
- www.standards.org.au
 - Standards Australia

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