This Current Awareness Bulletin is produced by the Yeovil Academy Library to provide staff with a range of infection control-related resources to support practice. It includes recently published guidelines and research articles, as well as news and policy items.

**UpToDate**

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**Infection prevention: Precautions for preventing transmission of infection**

Literature review current through: Jun 2019. | This topic last updated: Apr 08, 2019.

Standard precautions should be followed for the care of all patients. They include hand hygiene before and after every patient contact, use of gloves, gowns, and eye protection (for situations in which exposure to body fluids is possible), use of respiratory hygiene/cough etiquette, and safe disposal of sharp instruments in impervious containers.

**Infection control in the outpatient setting**

Literature review current through: Jun 2019. | This topic last updated: May 21, 2018.

In outpatient clinics, patients requiring transmission-based precautions should be separated from others (i.e., minimal waiting time, appointments given at the end of the day). Individuals with respiratory symptoms should cover their mouth and nose with a tissue when coughing or sneezing, dispose of tissue after use, and perform hand hygiene after contact with respiratory secretions.

**Overview of control measures for prevention of surgical site infection in adults**

Literature review current through: Jun 2019. | This topic last updated: Mar 12, 2019.

The most important factors for prevention of surgical site infection (SSI) are timely administration of effective preoperative antibiotics and careful attention to other perioperative control measures. Careful infection control is essential; interventions include hand hygiene and use of gloves and other barrier devices (masks, caps, gowns, drapes, and shoe covers) by all operating room personnel. Application of antiseptics to the skin is warranted to reduce the burden of skin flora.

**Principles of infection control in long-term care facilities**

Literature review current through: Jun 2019. | This topic last updated: Sep 26, 2017.

LTCFs should have a designated infection control practitioner and multidisciplinary oversight group (including facility administrator, medical director, clinical staff, and local health department). Other important components of infection control include written infection control policies and procedures as well as protocols for detecting, treating, containing, and preventing transmission of potential pathogens.
Persisting intrahospital transmission of multidrug-resistant Klebsiella pneumoniae and challenges for infection control.

**Author(s):** Vock, Isabelle; Tschudin-Sutter, Sarah  
**Source:** Infection Control & Hospital Epidemiology; Aug 2019; vol. 40 (no. 8); p. 904-909  
**Publication Date:** Aug 2019  
**Publication Type(s):** Academic Journal  
**Abstract:** In the past several decades, the incidence of Klebsiella pneumoniae harboring resistance mechanisms against multiple antibiotic agents has increased on a global scale. We discuss reasons for ongoing transmission of multidrug-resistant K. pneumoniae in healthcare settings, which has resulted in the successful spread and establishment of this pathogen. It is now one of the most important causes of healthcare-associated infections worldwide.  
**Database:** CINAHL

Infection control.

**Author(s):**  
**Source:** CNA Training Advisor: Lesson Plans for Busy Staff Trainers; Jun 2019; vol. 17 (no. 6); p. 1-6  
**Publication Date:** Jun 2019  
**Publication Type(s):** Periodical  
Available at CNA Training Advisor: Lesson Plans for Busy Staff Trainers - from ProQuest (Health Research Premium) - NHS Version  
**Database:** CINAHL

Opritech's high-tech infection control solution.

**Author(s):**  
**Source:** Dissector; Jun 2019; vol. 47 (no. 1); p. 32-32  
**Publication Date:** Jun 2019  
**Publication Type(s):** Academic Journal  
Available at Dissector - from ProQuest (Health Research Premium) - NHS Version  
**Database:** CINAHL

Design, implementation, and analysis considerations for cluster-randomized trials in infection control and hospital epidemiology: A systematic review.

**Author(s):** O'Hara, Lyndsay M.; Blanco, Natalia; Leekha, Surbhi; Stafford, Kristen A.; Slobogean, Gerard P.; Ludeman, Emilie; Harris, Anthony D.  
**Source:** Infection Control & Hospital Epidemiology; Jun 2019; vol. 40 (no. 6); p. 686-692
Conclusions: We must continue to improve the design and reporting of CRT to better evaluate the effectiveness of infection control interventions in the healthcare setting.

Database: CINAHL

Infection Control in Occupational Health: CDC Seeks to Update Guidelines.
Author(s): Pyrek, Kelly M.
Source: Infection Control Today; Jun 2019; vol. 23 (no. 5); p. 20-23
Publication Date: Jun 2019
Publication Type(s): Periodical
Database: CINAHL

The Effect of Infection Control Course on Nursing Students' Knowledge of and Compliance With Universal Precautions: A Quasi-experimental Study.
Author(s): Tawalbeh, Loai Issa; AL-Rawajfah, Omar M.; Habiballah, Laila
Source: Dimensions of Critical Care Nursing; May 2019; vol. 38 (no. 3); p. 137-145
Publication Date: May 2019
Publication Type(s): Academic Journal
Conclusion: Knowledge of and compliance with universal precautions were relatively low among nursing students. The application of an infection control teaching course helps improve both knowledge of and compliance with universal precautions among university nursing students.
Database: CINAHL

Author(s):
Source: Infection Control & Hospital Epidemiology; May 2019; vol. 40 (no. 5); p. 615-615
Publication Date: May 2019
Publication Type(s): Academic Journal
Available at Infection Control & Hospital Epidemiology - from Unpaywall
Database: CINAHL
Acinetobacter - the trojan horse of infection control?
Author(s): Teare, L.; Martin, N.; Elamin, W.; Pilgrim, K.; Tredoux, T.; Swanson, J.; Hoffman, P.
Source: Journal of Hospital Infection; May 2019; vol. 102 (no. 1); p. 45-53
Publication Date: May 2019
Publication Type(s): Academic Journal
PubMedID: 30594610
Conclusion: In an outbreak where contact precautions and environmental cleaning are optimal, it is important to give careful consideration to other mechanisms of spread. If there is a failure to do this, it is likely that the true causes of transmission will not be addressed and the problem will recur. It is recommended that burn theatres within burn facilities should be designed to operate at negative pressure; this is the opposite of normal operating theatre ventilation. Where showers are used, both the shower head and the hose should be changed after a patient with a resistant organism. The role of non-contact disinfection (e.g. hydrogen peroxide dispersal) should be reconsidered, and constant vigilance should be given to any 'trojan horse' item in the room.
Database: CINAHL

Nutrition and Infection Control: Play Key Roles in C. Diff Management.
Author(s): Richardson, Brenda
Source: Nutrition & Foodservice Edge; May 2019; vol. 28 (no. 3); p. 14-18
Publication Date: May 2019
Publication Type(s): Trade Publication
Database: CINAHL

Correction to: Randomized community trial on nosocomial infection control educational module for nurses in public hospitals in Yemen: a study protocol...Alrubaiee, G, Baharom, A, Faisal, I; et al. BMC Nursing (BMC NURS), /2019; 18(1): N.PAG-N.PAG. Randomized community trial on nosocomial infection control educational module for nurses in public hospitals in Yemen: a study protocol.
Author(s): Alrubaiee, Gamil; Baharom, Anisah; Faisal, Ibrahim; Hayati, Kadir Shahar; Daud, Shaffe Mohd.; Basaleem, Huda Omer
Source: BMC Nursing; Apr 2019; vol. 18 (no. 1)
Publication Date: Apr 2019
Publication Type(s): Academic Journal
Available at BMC Nursing - from BioMed Central
Available at BMC Nursing - from Europe PubMed Central - Open Access
Available at BMC Nursing - from ProQuest (Health Research Premium) - NHS Version
Available at BMC Nursing - from Unpaywall
Abstract: In the original publication of this article [1], a formula's format in the section of "Sample size calculation" was wrong and needs to be revised.
Database: CINAHL
The importance of infection control in tackling the antimicrobial resistance crisis.

**Author(s):** Wyeth, Jennifer

**Source:** British Journal of Nursing; Mar 2019; vol. 28 (no. 5); p. 284-286

**Publication Date:** Mar 2019

**Publication Type(s):** Academic Journal

Available at [British Journal of Nursing](https://www.magonline.com/) - from MAG Online Library

**Abstract:** The article discusses the importance of infection control in tackling the antimicrobial resistance crisis, actions plans in development of new antimicrobial agents, and infection prevention and control guidelines. According to the author, effective antimicrobial treatments such as chemotherapy, organ transplantation and elective surgical procedures, may no longer be possible due to the associated risks of infection.

**Database:** CINAHL

SHEA issues infection control guidance for anesthesiology.

**Author(s):**

**Source:** Briefings on Accreditation & Quality; Mar 2019; vol. 30 (no. 3); p. 4-5

**Publication Date:** Mar 2019

**Publication Type(s):** Trade Publication

Available at [Briefings on Accreditation & Quality](https://proquestcentral.com/) - from ProQuest (Health Research Premium) - NHS Version

**Database:** CINAHL

Designing an innovative professional development experience to build infection control professionals' educational expertise.

**Author(s):** Meyers, Gwyneth L.; Jacobsen, Michele; Henderson, Elizabeth

**Source:** Canadian Journal of Infection Control; Mar 2019; vol. 34 (no. 1); p. 19-29

**Publication Date:** Mar 2019

**Publication Type(s):** Academic Journal

This paper discusses the guiding principles used in the design of this intentionally disruptive yet positive and responsive learning experience to build the participating ICPs’ pedagogical expertise and practice.

**Database:** CINAHL

Viral oncolytic immunotherapy in the war on cancer: Infection control considerations.

**Author(s):** Robilotti, Elizabeth V.; Kamboj, Mini; Glickman, Michael S.; Kumar, Asmita

**Source:** Infection Control & Hospital Epidemiology; Mar 2019; vol. 40 (no. 3); p. 350-354

**Publication Date:** Mar 2019

**Publication Type(s):** Academic Journal

Development of standarized approaches for the safe administration and precautions for ongoing care, especially in immunocompromised patients, are essential to support the broad adoption of this novel therapy.

**Database:** CINAHL
Why do susceptible bacteria become resistant to infection control measures? A Pseudomonas biofilm example.

Author(s): Perez, Leandro Reus Rodrigues
Source: Infection Control & Hospital Epidemiology; Mar 2019; vol. 40 (no. 3); p. 386-388
Publication Date: Mar 2019
Publication Type(s): Academic Journal
Available at Infection Control & Hospital Epidemiology - from Unpaywall

Abstract: The article focuses on the opportunistic pathogen pseudomonas aeruginosa, which can cause pneumonia in mechanically ventilated patients. It discusses how P. aeruginosa is controlled with the help of quorum-sensing (QS) mechanism for biofilm formation, how anti-Pseudomonas antibiotics like meropenem.

Database: CINAHL

Infection Control Link Nurses: More Research Needed to Support This Key Role.

Author(s): Pyrek, Kelly M.
Source: Infection Control Today; Mar 2019; vol. 23 (no. 3); p. 6-6
Publication Date: Mar 2019
Publication Type(s): Periodical
Database: CINAHL

The role of the maternity support worker in infection control in maternity care.

Author(s): Lindsay, Pat
Source: British Journal of Healthcare Assistants; Feb 2019; vol. 13 (no. 2); p. 72-77
Publication Date: Feb 2019
Publication Type(s): Academic Journal
Available at British Journal of Healthcare Assistants - from MAG Online Library

Maternity support workers are well placed to recognise the signs of infection and help improve outcomes and prevent this serious complication.

Database: CINAHL

Special Report: Improving Infection Control in OR Anesthesiology.

Author(s): AHC MEDIA
Source: Hospital Infection Control & Prevention; Feb 2019; vol. 46 (no. 2); p. 0-0
Publication Date: Feb 2019
Publication Type(s): Periodical
Available at Hospital Infection Control & Prevention - from ProQuest (Health Research Premium) - NHS Version

Abstract: Threats to patient safety in anesthesia are compounded by prevailing attitudes that favor entrenched practices and discount the risk of infections.

Database: CINAHL
Patient isolation for infection control and patient experience.

Author(s): Siddiqui, Zishan K.; Conway, Sarah Johnson; Abusamaan, Mohammed; Bertram, Amanda; Berry, Stephen A.; Allen, Lisa; Apfel, Ariella; Farley, Holley; Zhu, Junya; Wu, Albert W.; Brotman, Daniel J.

Source: Infection Control & Hospital Epidemiology; Feb 2019; vol. 40 (no. 2); p. 194-199

Publication Date: Feb 2019

Publication Type(s): Academic Journal

Conclusion: Isolated patients do not report adverse experience for most aspects of provider communication regarded to be among the most important elements for safety and quality of care. However, patients in isolation had worse experiences with staff responsiveness for time-sensitive needs. The absence of a dose-response effect suggests that isolation status may be a marker for other factors, such as illness severity. Regardless, hospitals should emphasize timely staff response for this population.

Database: CINAHL

SHEA issues infection control guidance for anesthesiology.

Author(s):

Source: Patient Safety Monitor Journal; Feb 2019; vol. 20 (no. 2); p. 11-11

Publication Date: Feb 2019

Publication Type(s): Periodical

Available at Patient Safety Monitor Journal - from ProQuest (Health Research Premium) - NHS Version

Database: CINAHL

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Library Resources

The books listed below are a selection of those that can be found at the library. To search the library catalogue in full, visit swims.nhs.uk.

- **Infection prevention and control : perceptions and perspectives (2016)**
  - Elliott, Paul (Editor)
  - WC195 Book
  - Elliott, Paul; Storr, Julie; Jeans, Annette

- **Infection prevention and control at a glance (2017)**
  - Weston, Debbie (Author)
  - WC195 Book
  - Weston, Debbie; Burgess, Alison; Roberts, Sue; Peate, Ian

- **Microbiology and infection prevention and control for nursing students (2016)**
  - Ward, Deborah (Author)
  - WC195 Book
  - Ward, Deborah
In the News

**Infection control 1: decontamination of non-invasive shared equipment**
Nursing Times-1 Mar 2019

**Infection control 2: hand hygiene using alcohol-based hand rub**
Nursing Times-21 Apr 2019

**Infection control 3: use of disposable gloves and aprons**
Nursing Times-24 Jun 2019

**Precautions taken to protect nurses in deadly Strep A outbreak**
Nursing Times-26 Jun 2019

**'Clean, tidy bed spaces are vital for effective infection control'**
Nursing Times-4 Mar 2019

Elsewhere in the news...

**Third baby dies after contracting hospital infection**
BBC News-10 Apr 2019

**MSPs' concerns new hospitals not fit to prevent infection**
BBC News-3 May 2019

**Deaths linked to heart surgery infections at Edinburgh hospital**
BBC News-21 Mar 2019

**Patient dies after contracting infection in Paisley hospital**
BBC News-7 Feb 2019

**Rare bacterial infection leaves 12 people dead in Essex**
The Guardian-25 Jun 2019

**MSPs' concerns new hospitals not fit to prevent infection**
BBC News-3 May 2019

This current awareness bulletin contains an inexhaustive selection of information that has not been critically appraised by library staff. It is therefore the responsibility of the reader to appraise this information for accuracy and relevance.

For further information or support please contact Yeovil Academy Library, Level 4, Yeovil District Hospital, Higher Kingston, Yeovil, BA21 4AT; tel 01935 38(4495) or 01935 38(4697), library@ydh.nhs.uk or visit the library blog at yeovildh.wordpress.com.