

HOSPITAL BENCHMARKING PERFORMANCE LINKS

These links to the medical literature are provided solely as a service by the Massachusetts Board of Registration in Medicine. These links do not constitute endorsement of these studies by the Board and none should be inferred. Information on MEDLINE® is available at: www.nlm.nih.gov/services/usemedline.html Please obtain journal article from your librarian for complete information

SURGICAL SITE INFECTION - PREVENTION

OCTOBER 2008

Selected Internet Resources (pp 1-3)
Medical Literature (p 3)

CDC: Guideline for Hand Hygiene in Healthcare Settings (2002)
<http://www.cdc.gov/handhygiene/>

CDC: Guideline for the Prevention of Surgical Site Infection, 1999
http://www.cdc.gov/ncidod/dhqp/gl_surgicalsites.html

The Guideline for Prevention of Surgical Site Infection, 1999 presents the Centers for Disease Control and Prevention (CDC) recommendations for the prevention of surgical site infections (SSIs), formerly called surgical wound infections. This two-part guideline updates and replaces previous guidelines.
Date last modified: October 28, 2005.

CDC: List of infections which may be acquired in healthcare facilities.
Source: Division of Healthcare Quality Promotion (DHQP)
<http://www.cdc.gov/ncidod/dhqp/id.html>
Date last modified: May, 22 2006

CDC: National Healthcare Safety Network (NHSN)
<http://www.cdc.gov/ncidod/dhqp/nhsn.html>

CDC: National Nosocomial Infections Surveillance (NNIS) System Report
<http://www.cdc.gov/ncidod/dhqp/nnis.html>
CDC: Information About MRSA for Healthcare Personnel

Updated October 10, 2007

http://www.cdc.gov/ncidod/dhqp/ar_mrsa_healthcareFS.html

The Surgical Care Improvement Project (SCIP) is a national quality partnership of organizations interested in improving surgical care by significantly reducing surgical complications. It is a unique partnership that promises to be a transformational undertaking in health care.

www.medqic.org/scip

Institute for Healthcare Improvement (IHI)

<http://www.ihl.org/IHI/Topics/PatientSafety/SurgicalSiteInfections/>

Agency for Healthcare Research (AHRQ).

Current Review

January 2007

Closing The Quality Gap: A Critical Analysis of Quality Improvement Strategies: Volume 6—Prevention of Healthcare-Associated Infections, Structured Abstract.
Agency for Healthcare Research and Quality, Rockville, MD.

<http://www.ahrq.gov/clinic/tp/hainfgaptp.htm>

American Society of Critical Care Medicine

<http://www.sccm.org/>

Association for Professionals in Infection Control & Epidemiology (APIC)

<http://www.apic.org/AM/Template.cfm?Section=Home>

MEDICAL LITERATURE

[Lietard C, Thébaud V, Besson G, Lejeune B.](#)

Risk factors for neurosurgical site infections: an 18-month prospective survey.

J Neurosurg. 2008 Oct;109(4):729-34.

PMID: 18826362 [PubMed - in process]

[Chaberny IF, Schwab F, Ziesing S, Suerbaum S, Gastmeier P.](#)

Impact of routine surgical ward and intensive care unit admission surveillance cultures on hospital-wide nosocomial methicillin-resistant Staphylococcus aureus infections in a university hospital: an interrupted time-series analysis.

J Antimicrob Chemother. 2008 Sep 1. [Epub ahead of print]

PMID: 18765411 [PubMed - as supplied by publisher]

[Forbes SS, Stephen WJ, Harper WL, Loeb M, Smith R, Christoffersen EP, McLean RF.](#)

Implementation of evidence-based practices for surgical site infection prophylaxis: results of a pre- and postintervention study.
J Am Coll Surg. 2008 Sep;207(3):336-41. Epub 2008 May 19.
PMID: 18722937 [PubMed - indexed for MEDLINE]

[Mazzocco K, Petitti DB, Fong KT, Bonacum D, Brookey J, Graham S, Lasky RE, Sexton JB, Thomas EJ.](#)

Surgical team behaviors and patient outcomes.
Am J Surg. 2008 Sep 11. [Epub ahead of print]
PMID: 18789425 [PubMed - as supplied by publisher]

[Dillon KA.](#)

Time out: an analysis.
AORN J. 2008 Sep;88(3):437-42.
PMID: 18790103 [PubMed - in process]

[Hopf HW, Holm J.](#)

Hyperoxia and infection.
Best Pract Res Clin Anaesthesiol. 2008 Sep;22(3):553-69.
PMID: 18831303 [PubMed - in process]

[Derksen WJ, Verhoeven BA, van de Mortel RH, Moll FL, de Vries JP.](#)

Risk Factors for Surgical-Site Infection Following Common Femoral Artery Endarterectomy.
Vasc Endovascular Surg. 2008 Sep 30. [Epub ahead of print]
PMID: 18829586 [PubMed - as supplied by publisher]

[Harbarth S, Huttner B, Gervaz P, Fankhauser C, Chraïti MN, Schrenzel J, Licker M, Pittet D.](#)

Risk factors for methicillin-resistant Staphylococcus aureus surgical site infection.
Infect Control Hosp Epidemiol. 2008 Sep;29(9):890-3.
PMID: 18785849 [PubMed - in process]

[Bandyk DF.](#)

Vascular surgical site infection: risk factors and preventive measures.
Semin Vasc Surg. 2008 Sep;21(3):119-23.
PMID: 18774446 [PubMed - in process]

[Olsen MA, Lefta M, Dietz JR, Brandt KE, Aft R, Matthews R, Mayfield J, Fraser VJ.](#)

Risk factors for surgical site infection after major breast operation.

J Am Coll Surg. 2008 Sep;207(3):326-35. Epub 2008 Jun 26.
PMID: 18722936 [PubMed - indexed for MEDLINE]

[Kollef M.](#)

SMART approaches for reducing nosocomial infections in the ICU.
Chest. 2008 Aug;134(2):447-56.
PMID: 18682466 [PubMed - in process]

[Menezes FG, Wey SB, Peres CA, Medina-Pestana JO, Camargo LF.](#)

Risk factors for surgical site infection in kidney transplant recipients.
Infect Control Hosp Epidemiol. 2008 Aug;29(8):771-3.
PMID: 18624649 [PubMed - in process]

[Garnacho-Montero J, Aldabó-Pallás T, Palomar-Martínez M, Vallés J, Almirante B, Garcés R, Grill F, Pujol M, Arenas-Giménez C, Mesalles E, Escorresca-Ortega A, de Cueto M, Ortiz-Leyba C.](#)

Risk factors and prognosis of catheter-related bloodstream infection in critically ill patients: a multicenter study.
Intensive Care Med. 2008 Jul 12. [Epub ahead of print]
PMID: 18622596 [PubMed - as supplied by publisher]

[Watanabe A, Kohnoe S, Shimabukuro R, Yamanaka T, Iso Y, Baba H, Higashi H, Orita H, Emi Y, Takahashi I, Korenaga D, Maehara Y.](#)

Risk factors associated with surgical site infection in upper and lower gastrointestinal surgery.
Surg Today. 2008;38(5):404-12. Epub 2008 Apr 30.
PMID: 18560962 [PubMed - in process]

[Imai E, Ueda M, Kanao K, Kubota T, Hasegawa H, Omae K, Kitajima M.](#)

Surgical site infection risk factors identified by multivariate analysis for patient undergoing laparoscopic, open colon, and gastric surgery.
Am J Infect Control. 2008 Jun 10. [Epub ahead of print]
PMID: 18834730 [PubMed - as supplied by publisher]

[Edwards C, Counsell A, Boulton C, Moran CG.](#)

Early infection after hip fracture surgery: risk factors, costs and outcome.
J Bone Joint Surg Br. 2008 Jun;90(6):770-7.
PMID: 18539671 [PubMed - indexed for MEDLINE]

[Olsen MA, Chu-Ongsakul S, Brandt KE, Dietz JR, Mayfield J, Fraser VJ.](#)

Hospital-associated costs due to surgical site infection after breast surgery.

Arch Surg. 2008 Jan;143(1):53-60; discussion 61.
PMID: 18209153 [PubMed - indexed for MEDLINE]

[Olsen MA, Butler AM, Willers DM, Devkota P, Gross GA, Fraser VJ.](#)
Risk factors for surgical site infection after low transverse cesarean section.
Infect Control Hosp Epidemiol. 2008 Jun;29(6):477-84; discussion 485-6.
PMID: 18510455 [PubMed - indexed for MEDLINE]

[Nakamura T, Mitomi H, Ihara A, Onozato W, Sato T, Ozawa H, Hatade K, Watanabe M.](#)
Risk factors for wound infection after surgery for colorectal cancer.
World J Surg. 2008 Jun;32(6):1138-41.
PMID: 18404288 [PubMed - indexed for MEDLINE]

[Hawn MT, Itani KM, Gray SH, Vick CC, Henderson W, Houston TK.](#)
Association of timely administration of prophylactic antibiotics for major surgical procedures and surgical site infection.
J Am Coll Surg. 2008 May;206(5):814-9; discussion 819-21. Epub 2008 Mar 4.
PMID: 18471703 [PubMed - indexed for MEDLINE]

[Hacek DM, Robb WJ, Paule SM, Kudrna JC, Stamos VP, Peterson LR.](#)
Staphylococcus aureus Nasal Decolonization in Joint Replacement Surgery Reduces Infection.
Clin Orthop Relat Res. 2008 Mar 18; [Epub ahead of print]
PMID: 18347889 [PubMed - as supplied by publisher]

[Harbarth S, Fankhauser C, Schrenzel J, Christenson J, Gervaz P, Bandiera-Clerc C, Renzi G, Vernaz N, Sax H, Pittet D.](#)
Universal screening for methicillin-resistant Staphylococcus aureus at hospital admission and nosocomial infection in surgical patients.
JAMA. 2008 Mar 12;299(10):1149-57.
PMID: 18334690 [PubMed - indexed for MEDLINE]

[Walls RJ, Roche SJ, O'Rourke A, McCabe JP.](#)
Surgical site infection with methicillin-resistant Staphylococcus aureus after primary total hip replacement.
J Bone Joint Surg Br. 2008 Mar;90(3):292-8.
PMID: 18310748 [PubMed - indexed for MEDLINE]