

## **HOSPITAL BENCHMARKING PERFORMANCE LINKS**

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OCTOBER 2007

### **NOSOCOMIAL PNEUMONIA, INCLUDING VENTILATOR-ASSOCIATED PNEUMONIA**

**Internet Resources (pp 1-2)  
Medical Literature (p 3)**

#### **INTERNET RESOURCES**

**Center for Disease Control  
Information About MRSA for Healthcare Personnel  
Updated October 10, 2007  
[http://www.cdc.gov/ncidod/dhqp/ar\\_mrsa\\_healthcareFS.html](http://www.cdc.gov/ncidod/dhqp/ar_mrsa_healthcareFS.html)**

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

**Center for Disease Control  
Overview of Pneumonia in Health Care Settings  
See link to ventilator-associated pneumonia guidelines  
Date last modified: 9/27/2005  
[http://www.cdc.gov/ncidod/dhqp/dpac\\_ventilate.html](http://www.cdc.gov/ncidod/dhqp/dpac_ventilate.html)**

**The Institute for Healthcare Improvement (IHI)  
<http://www.ihl.org/IHI/>  
Download “How-To Guides” for Rapid Response Teams, Prevention of Adverse Drug Events, Acute Myocardial Infarction Care, Prevention of Surgical Site Infection, Prevention of Central Line Infection & Prevention of Ventilator Associated Pneumonia, Prevention of MRSA Infections.**

**Agency for Healthcare Research & Quality (AHRQ).**

**Current Review on Health-Care Associated HAI/ QI LITERATURE**

**January 2007.**

**Free fulltext**

*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>**

**Risk assessment for and strategies to reduce perioperative pulmonary complications  
for patients undergoing noncardiothoracic surgery: a guideline from the American**

**College of Physicians.**

**Free fulltext**

**[Qaseem A, Snow V, Fitterman N, Hornbake ER, Lawrence VA, Smetana GW,  
Weiss K, Owens DK, Aronson M, Barry P, Casey DE Jr, Cross JT Jr, Fitterman N,  
Sherif KD, Weiss KB; Clinical Efficacy Assessment Subcommittee of the American  
College of Physicians.](#)**

**Ann Intern Med. 2006 Apr 18;144(8):575-80. Summary for patients in: [Ann Intern  
Med. 2006 Apr 18;144\(8\):140.](#)**

**PMID: 16618955 [PubMed - indexed for MEDLINE]**

**Guidelines for the management of adults with hospital-acquired, ventilator-  
associated, and healthcare-associated pneumonia.**

**Free fulltext**

**[American Thoracic Society; Infectious Diseases Society of America.](#)**

**Am J Respir Crit Care Med. 2005 Feb 15;171(4):388-416. No abstract available.**

**PMID: 15699079 [PubMed - indexed for MEDLINE]**

**Guidelines for preventing health-care--associated pneumonia, 2003:  
recommendations of CDC and the Healthcare Infection Control Practices Advisory  
Committee.**

**Free fulltext**

**[Tablan OC, Anderson LJ, Besser R, Bridges C, Hajjeh R; CDC; Healthcare  
Infection Control Practices Advisory Committee.](#)**

**MMWR Recomm Rep. 2004 Mar 26;53(RR-3):1-36.**

**PMID: 15048056 [PubMed - indexed for MEDLINE]**

## MEDICAL LITERATURE

### **Evidence-based infection control in the ICU (except catheters).**

[Gastmeier P.](#)

Curr Opin Crit Care. 2007 Oct;13(5):557-62.

PMID: 17762236 [PubMed - in process]

### **Prevention of ventilator-associated pneumonia: analysis of studies published since 2004.**

[Gastmeier P, Geffers C.](#)

J Hosp Infect. 2007 Sep;67(1):1-8. Epub 2007 Aug 24.

PMID: 17719133 [PubMed - in process]

### **Ventilator-associated pneumonia: risk factors and prevention.**

\*Free fulltext

[Augustyn B.](#)

Crit Care Nurse. 2007 Aug;27(4):32-6, 38-9; quiz 40. Review. No abstract available.

PMID: 17671243 [PubMed - indexed for MEDLINE]

### **Efficacy of oral chlorhexidine in preventing lower respiratory tract infections. Meta-analysis of randomized controlled trials.**

[Kola A, Gastmeier P.](#)

J Hosp Infect. 2007 Jul;66(3):207-16. Epub 2007 Jun 1.

PMID: 17544168 [PubMed - indexed for MEDLINE]

### **Microbiology of ventilator-associated pneumonia compared with that of hospital-acquired pneumonia.**

[Weber DJ, Rutala WA, Sickbert-Bennett EE, Samsa GP, Brown V, Niederman MS.](#)

Infect Control Hosp Epidemiol. 2007 Jul;28(7):825-31. Epub 2007 May 17.

PMID: 17564985 [PubMed - in process]

### **National Healthcare Safety Network (NHSN) Report, data summary for 2006, issued June 2007.**

[Edwards JR, Peterson KD, Andrus ML, Tolson JS, Goulding JS, Dudeck MA, Mincey RB, Pollock DA, Horan TC; NHSN Facilities.](#)

Am J Infect Control. 2007 Jun;35(5):290-301. No abstract available.

PMID: 17577475 [PubMed - indexed for MEDLINE]

**CDC Link to fulltext NHSN report**

<http://www.cdc.gov/ncidod/dhqp/nhsn.html>

**Diagnostic strategies for nosocomial pneumonia.**

[Soto GJ.](#)

Curr Opin Pulm Med. 2007 May;13(3):186-91.

PMID: 17414125 [PubMed - in process]

**Humidification policies for mechanically ventilated intensive care patients and prevention of ventilator-associated pneumonia: a systematic review of randomized controlled trials.**

[Niel-Weise BS, Wille JC, van den Broek PJ.](#)

J Hosp Infect. 2007 Apr;65(4):285-91. Epub 2007 Feb 21.

PMID: 17320243 [PubMed - in process]

**Does this patient have ventilator-associated pneumonia?**

[Klompas M.](#)

JAMA. 2007 Apr 11;297(14):1583-93.

PMID: 17426278 [PubMed - in process]

**Performance measures for pneumonia: are they valuable, and are process measures adequate?**

[Bratzler DW, Nsa W, Houck PM.](#)

Curr Opin Infect Dis. 2007 Apr;20(2):182-9. Review.

PMID: 17496578 [PubMed - indexed for MEDLINE]

**Healthcare-associated infection and antimicrobial resistance: moving beyond description to prevention.**

**See link to free fulltext**

[Zell BL, Goldmann DA.](#)

Infect Control Hosp Epidemiol. 2007 Mar;28(3):261-4. Epub 2007 Feb 20. No abstract available.

PMID: 17326015 [PubMed - in process]

**Legislative mandates for use of active surveillance cultures to screen for methicillin-resistant Staphylococcus aureus and vancomycin-resistant enterococci: Position statement from the Joint SHEA and APIC Task Force.**

[Weber SG, Huang SS, Oriola S, Huskins WC, Noskin GA, Harriman K, Olmsted RN, Bonten M, Lundstrom T, Climo MW, Roghmann MC, Murphy CL, Karchmer TB.](#)

Am J Infect Control. 2007 Mar;35(2):73-85.

PMID: 17327185 [PubMed - indexed for MEDLINE]

**Oral decontamination for prevention of pneumonia in mechanically ventilated adults: systematic review and meta-analysis.**

**Link to free fulltext**

[Chan EY, Ruest A, Meade MO, Cook DJ.](#)

BMJ. 2007 Mar 26; [Epub ahead of print]

PMID: 17387118 [PubMed - as supplied by publisher]

**Topical chlorhexidine for prevention of ventilator-associated pneumonia: a meta-analysis.**

[Chlebicki MP, Safdar N.](#)

Crit Care Med. 2007 Feb;35(2):595-602.

PMID: 17205028 [PubMed - indexed for MEDLINE]

**Ventilator-associated pneumonia: breaking the vicious circle of antibiotic overuse.**

[Leone M, Garcin F, Bouvenot J, Boyadjev I, Visintini P, Albanese J, Martin C.](#)

Crit Care Med. 2007 Feb;35(2):379-85; quizz 386.

PMID: 17205011 [PubMed - indexed for MEDLINE]

**Management of ventilator-associated pneumonia caused by multiresistant bacteria.**

[Diaz E, Munoz E, Agbaht K, Rello J.](#)

Curr Opin Crit Care. 2007 Feb;13(1):45-50.

PMID: 17198048 [PubMed - in process]

**Early predictors for infection recurrence and death in patients with ventilator-associated pneumonia.**

[Combes A, Luyt CE, Fagon JY, Wolff M, Trouillet JL, Chastre J.](#)

Crit Care Med. 2007 Jan;35(1):146-54.

PMID: 17080004 [PubMed - indexed for MEDLINE]

**Nurses' implementation of guidelines for ventilator-associated pneumonia from the Centers for Disease Control and Prevention.**

[Cason CL, Tyner T, Saunders S, Broome L; Centers for Disease Control and Prevention.](#)

Am J Crit Care. 2007 Jan;16(1):28-36; discussion 37; quiz 38.

PMID: 17192524 [PubMed - indexed for MEDLINE]

**Evidence-based practice: use of the ventilator bundle to prevent ventilator-associated pneumonia.**

[Tolentino-DelosReyes AF, Ruppert SD, Shiao SY.](#)

Am J Crit Care. 2007 Jan;16(1):20-7.

PMID: 17192523 [PubMed - indexed for MEDLINE]

**A randomized trial of diagnostic techniques for ventilator-associated pneumonia.**

[Canadian Critical Care Trials Group.](#)

N Engl J Med. 2006 Dec 21;355(25):2619-30.

PMID: 17182987 [PubMed - indexed for MEDLINE]

**Ventilator-associated pneumonia.**

[Leong JR, Huang DT.](#)

Surg Clin North Am. 2006 Dec;86(6):1409-29. Review.

PMID: 17116455 [PubMed - indexed for MEDLINE]

**Ventilator-associated pneumonia using a heated humidifier or a heat and moisture exchanger: a randomized controlled trial [ISRCTN88724583].**

[Lorente L, Lecuona M, Jimenez A, Mora ML, Sierra A.](#)

Crit Care. 2006;10(4):R116.

PMID: 16884530 [PubMed - indexed for MEDLINE]

**Implementing best practice strategies to prevent infection in the ICU.**

[Aragon D, Sole ML.](#)

Crit Care Nurs Clin North Am. 2006 Dec;18(4):441-52. Review.

PMID: 17118299 [PubMed - indexed for MEDLINE]

**Managing VAP effectively to optimize outcomes and costs.**

[Powers J.](#)

Nurs Manage. 2006 Nov;37(11):48A-48F; quiz following. Review. No abstract available.

PMID: 17099472 [PubMed - indexed for MEDLINE]

**New diagnostic and prognostic markers of ventilator-associated pneumonia.**

[Chastre J, Luyt CE, Trouillet JL, Combes A.](#)

Curr Opin Crit Care. 2006 Oct;12(5):446-51. Review.

PMID: 16943724 [PubMed - indexed for MEDLINE]

**Use of quantitative cultures and reduced duration of antibiotic regimens for patients with ventilator-associated pneumonia to decrease resistance in the intensive care unit.**

[Chastre J, Luyt CE, Combes A, Trouillet JL.](#)

Clin Infect Dis. 2006 Sep 1;43 Suppl 2:S75-81. Review.

PMID: 16894519 [PubMed - indexed for MEDLINE]

**Oral health status and development of ventilator-associated pneumonia: a descriptive study.**

[Munro CL, Grap MJ, Elswick RK Jr, McKinney J, Sessler CN, Hummel RS 3rd.](#)

Am J Crit Care. 2006 Sep;15(5):453-60.

PMID: 16926366 [PubMed - indexed for MEDLINE]

**Decline in ICU adverse events, nosocomial infections and cost through a quality improvement initiative focusing on teamwork and culture change.**

[Jain M, Miller L, Belt D, King D, Berwick DM.](#)

Qual Saf Health Care. 2006 Aug;15(4):235-9.

PMID: 16885246 [PubMed - indexed for MEDLINE]

**Oral decontamination with chlorhexidine reduces the incidence of ventilator-associated pneumonia.**

**\*free fulltext**

[Koeman M, van der Ven AJ, Hak E, Joore HC, Kaasjager K, de Smet AG, Ramsay G, Dormans TP, Aarts LP, de Bel EE, Hustinx WN, van der Tweel I, Hoepelman AM, Bonten MJ.](#)

Am J Respir Crit Care Med. 2006 Jun 15;173(12):1348-55. Epub 2006 Apr 7.

PMID: 16603609 [PubMed - indexed for MEDLINE]

**Getting started kit: prevent ventilator-associated pneumonia: how-to guide.**

[Institute for Healthcare Improvement.](#)

Crit Care Nurs Q. 2006 Apr-Jun;29(2):157-73. No abstract available.

PMID: 16641653 [PubMed - indexed for MEDLINE]

**Preventing ventilator-associated pneumonia: an evidence-based approach of modifiable risk factors.**

[Isakow W, Kollef MH.](#)

Semin Respir Crit Care Med. 2006 Feb;27(1):5-17. Review.

PMID: 16508876 [PubMed - indexed for MEDLINE]

**Effect of oral decontamination with chlorhexidine on the incidence of nosocomial pneumonia: a meta-analysis.**

**\*free fulltext**

[Pineda LA, Saliba RG, El Solh AA.](#)

Crit Care. 2006 Feb;10(1):R35.

PMID: 16507165 [PubMed - indexed for MEDLINE]

**Preventing ventilator-associated pneumonia: an evidence-based approach of modifiable risk factors.**

[Isakow W, Kollef MH.](#)

Semin Respir Crit Care Med. 2006 Feb;27(1):5-17. Review.

PMID: 16508876 [PubMed - indexed for MEDLINE]

**Evidence-based clinical practice guideline for the prevention of ventilator-associated pneumonia.**

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[Dodek P, Keenan S, Cook D, Heyland D, Jacka M, Hand L, Muscedere J, Foster D, Mehta N, Hall R, Brun-Buisson C; Canadian Critical Care Trials Group; Canadian Critical Care Society.](#)

Ann Intern Med. 2004 Aug 17;141(4):305-13.

PMID: 15313747 [PubMed - indexed for MEDLINE]