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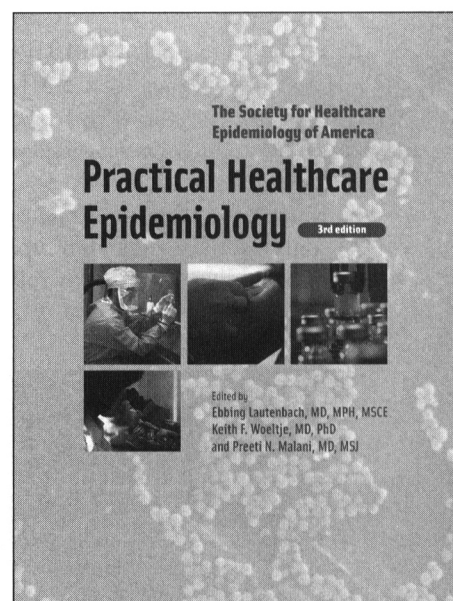
# Practical Healthcare Epidemiology

3rd edition

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Address infection prevention and quality of patient care with this newly updated, practical, hands-on guide to epidemiologic principles and prevention strategies.



## How to:

- Implement and manage surveillance effectively
- Apply epidemiological methods appropriately
- Conduct an outbreak investigation
- Survey for and prevent specific healthcare-associated infections
- Maintain compliance with hand hygiene
- Use patient isolation effectively
- Control the use of antimicrobials
- Employ the microbiology laboratory and molecular typing systems
- Extend infection control programs to outpatients and long-term care facilities
- Perform exposure workups and manage employee health
- Negotiate with administrators about resources, policy, and pay
- Meet regulatory and accreditation agencies requirements

## New chapters on:

- *Clostridium difficile* infection
- Urinary tract infection
- Healthcare-acquired pneumonia
- Sterilization and disinfection
- Performance and quality improvement
- Government mandates and infection control
- Preparing for biological disasters and pandemics
- Infection prevention in resource-limited settings



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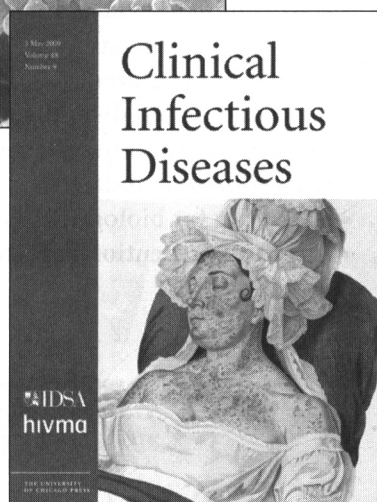
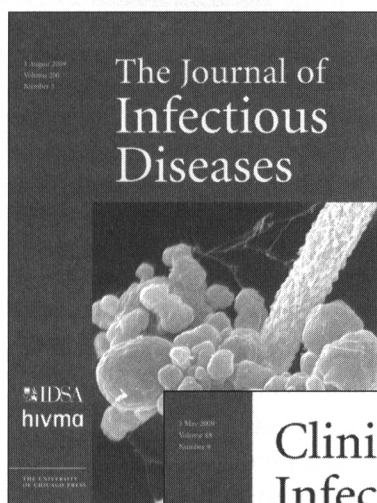
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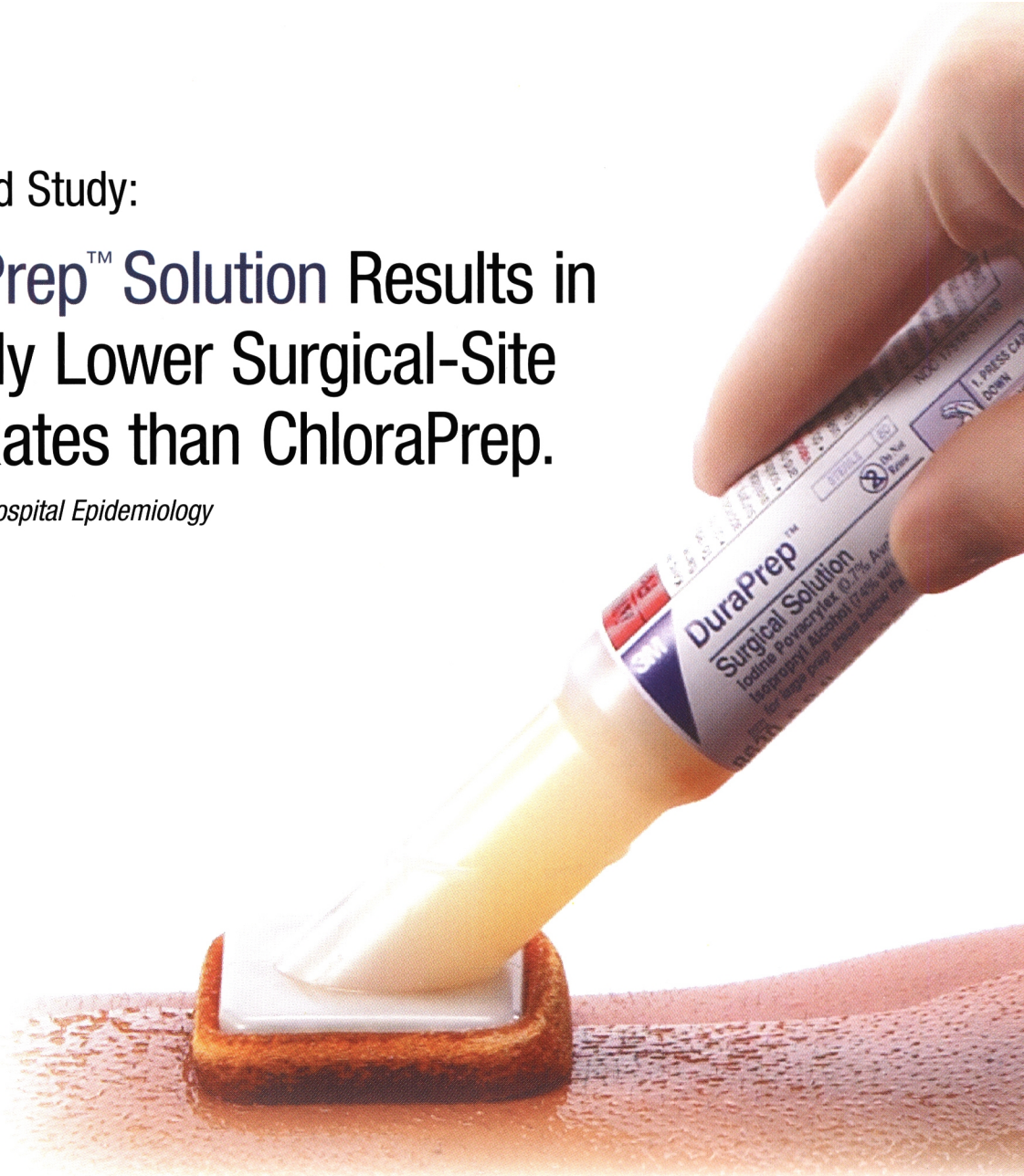
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Newly Published Study:

# 3M™ DuraPrep™ Solution Results in Significantly Lower Surgical-Site Infection Rates than ChloroPrep.

– *Infection Control and Hospital Epidemiology*  
October 2009



- The study<sup>1</sup> concluded:
  - “Skin prep is an important factor in the prevention of surgical site infection.”
  - DuraPrep solution had a significantly lower SSI rate than ChloroPrep. (4.8% vs 8.2%  $P=.001$ )
- The study included more than 3200 general surgery patients at the University of Virginia Health System.
- “Previous studies examined only specific surgical sites or relied on less impactful surrogate endpoints such as microbial counts,” stated co-author Dr. Robert C. Sawyer.

To receive a reprint of this study, talk to your 3M representative, call the 3M Health Care Helpline at 1-800-228-3957 or visit us at [3M.com/infectionprevention](http://3M.com/infectionprevention).

## 3M™ DuraPrep™ Solution\* – The Power Of Povacrylex

<sup>1</sup> Swenson, B., Hedrick, T., Metzger, R., Bonatti, H., Pruett, T., Sawyer, R. “Effects of Preoperative Skin Preparation on Postoperative Wound Infection Rates: A Prospective Study of 3 Skin Preparation Protocols.” *Infection Control and Hospital Epidemiology*. October 2009. Vol. 30, No. 10.

\*3M™ DuraPrep™ Surgical Solution (Iodine Povacrylex [0.7% available iodine] and Isopropyl Alcohol, 74% w/w) Patient Preoperative Skin Preparation.

This work was supported by an unrestricted educational grant from 3M Health Care. The authors declared there were no conflicts of interest and no assistance with study design or analysis was provided by 3M.

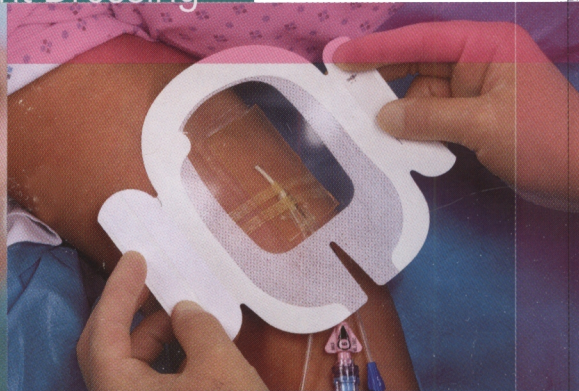
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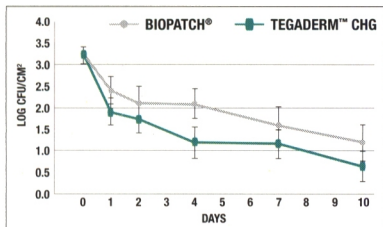


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Proven more effective than BioPatch® at reducing skin flora on healthy volunteers for up to 10 days.\*

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You know reducing skin flora at the catheter insertion site helps to reduce or prevent CRBSIs. The CDC recommends transparent dressings and the use of CHG to reduce skin flora at the IV site. In studies, 3M™ Tegaderm™ CHG was proven to be:

- As effective as, or better than BioPatch®, at reducing skin flora on healthy volunteers for up to 10 days<sup>1</sup>
- More effective than BioPatch® at preventing re-growth of skin flora on healthy volunteers at 7 days<sup>1</sup>
- Statistically better than BioPatch® in overall performance, ease of applying correctly, and ability to see IV site—as rated by 12 out of 12 clinicians<sup>2</sup>

Tegaderm™ CHG is the *only* transparent IV site dressing integrated with a CHG gel pad proven to reduce skin flora, a leading cause of CRBSIs.\*

Visit [www.3M.com/tegadermchg4](http://www.3M.com/tegadermchg4) to see the evidence for yourself.

\*3M™ Tegaderm™ CHG Dressing has not been studied in a randomized, controlled trial as to its effectiveness in preventing CRBSIs.

<sup>1</sup>Maki, DG (2008) A Novel Integrated Chlorhexidine-impregnated Transparent Dressing for Prevention of Vascular Catheter-related Bloodstream Infection: A Prospective Comparative Study in Healthy Volunteers. The Society for Healthcare Epidemiology of America April 2008.

<sup>2</sup>Eyberg C., Pyrek, J (2008). A Controlled Randomized Prospective Comparative Pilot Study to Evaluate the Ease of Use of a Transparent Chlorhexidine Gluconate Gel Dressing Versus a Chlorhexidine Gluconate Disk in Healthy Volunteers JAVA p112-117 Vol 13 No 3 | 2008.

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