Application of Information Systems for Infection Prevention & Control: A Select Bibliographic Compendium

Wright MO, Olmsted RN. June 2010

Note: Citations are sorted chronologically within each subsection.

I. System-Specific Application & GENERAL Topics


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CENTERS FOR DISEASE CONTROL NATIONAL CONFERENCE

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Reports from a National Conference, 2003

- Preface
- Editorial Committee
- Peer Reviewers
- Overview of Syndromic Surveillance
  - What is Syndromic Surveillance?
  - Linking Better Surveillance to Better Outcomes
  - Review of the 2003 National Syndromic Surveillance Conference — Lessons Learned and Questions To Be Answered
- System Descriptions
  - New York City Syndromic Surveillance Systems
  - Syndrome and Outbreak Detection Using Chief-Complaint Data — Experience of the Real-Time Outbreak and Disease Surveillance Project
  - Removing a Barrier to Computer-Based Outbreak and Disease Surveillance — The RODS Open Source Project
  - National Retail Data Monitor for Public Health Surveillance
  - National Bioterrorism Syndromic Surveillance Demonstration Program
  - Daily Emergency Department Surveillance System — Bergen County, New Jersey
  - BioSense — A National Initiative for Early Detection and Quantification of Public Health Emergencies
  - Syndromic Surveillance at Hospital Emergency Departments — Southeastern Virginia
- Research Methods
  - Bivariate Method for Spatio-Temporal Syndromic Surveillance
- Role of Data Aggregation in Biosurveillance Detection Strategies with Applications from ESSENCE
- Scan Statistics for Temporal Surveillance for Biologic Terrorism
- Approaches to Syndromic Surveillance When Data Consist of Small Regional Counts
- Algorithm for Statistical Detection of Peaks — Syndromic Surveillance System for the Athens 2004 Olympic Games
- Taming Variability in Free Text: Application to Health Surveillance
- Comparison of Two Major Emergency Department-Based Free-Text Chief-Complaint Coding Systems
- How Many Illnesses Does One Emergency Department Visit Represent? Using a Population-Based Telephone Survey To Estimate the Syndromic Multiplier
- Comparison of Office Visit and Nurse Advice Hotline Data for Syndromic Surveillance — Baltimore-Washington, D.C., Metropolitan Area, 2002
- Progress in Understanding and Using Over-the-Counter Pharmaceuticals for Syndromic Surveillance

**Evaluation**
- Evaluation Challenges for Syndromic Surveillance — Making Incremental Progress
- Measuring Outbreak-Detection Performance By Using Controlled Feature Set Simulations
- Evaluation of Syndromic Surveillance Systems — Design of an Epidemic Simulation Model
- Benchmark Data and Power Calculations for Evaluating Disease Outbreak Detection Methods
- Bio-ALIRT Biosurveillance Detection Algorithm Evaluation
- ESSENCE II and the Framework for Evaluating Syndromic Surveillance Systems
- Conducting Population Behavioral Health Surveillance by Using Automated Diagnostic and Pharmacy Data Systems
- Evaluation of an Electronic General-Practitioner–Based Syndromic Surveillance System
- National Symptom Surveillance Using Calls to a Telephone Health Advice Service — United Kingdom, December 2001–February 2003
- Field Investigations of Emergency Department Syndromic Surveillance Signals — New York City
- Should We Be Worried? Investigation of Signals Generated by an Electronic Syndromic Surveillance System — Westchester County, New York

**Public Health Practice**
- Public Health Information Network — Improving Early Detection by Using a Standards-Based Approach to Connecting Public Health and Clinical Medicine
- Information System Architectures for Syndromic Surveillance
Perspective of an Emergency Physician Group as a Data Provider for Syndromic Surveillance

SARS Surveillance Project — Internet-Enabled Multiregion Surveillance for Rapidly Emerging Disease

Health Information Privacy and Syndromic Surveillance Systems

Abstracts


V. ADDITIONAL STUDIES ON APPLICATION OF HEALTH INFORMATICS

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