Posters being Presented (in alphabetical order of lead author's last name)

A monitoring system for detecting starts and declines of influenza epidemics
Eva Anderson
Goteborg University, Statistical Research Unit
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Evaluation of school absenteeism data for early outbreak detection, New York City
Besculides M[1], Heffernan R[1], Mostashari F[1], Weiss D[1]
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Use of Web-based Newspaper Death Notices for Improved Timeliness of Mortality Surveillance
Marshall Boak, MS,[1] Nkuchia M. M'ikanatha, DrPH, MPH,[2] Lee H. Harrison, MD[1]
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Untitled
Marco Bonetti, Laura Forsberg, Al Ozonoff, and Marcello Pagano
Harvard School of Public Health, Department of Biostatistics

An epidemic simulation model for evaluation of syndromic surveillance systems: model design and initial validation
DL Buckeridge,1,2 H Burkom,3 AW Moore,4 JA Pavlin,5 PN Cutchis3
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2Stanford Medical Informatics, Stanford University, Stanford, CA
3Applied Physics Laboratory, Johns Hopkins University, Laurel, MD
4Computer Science, Carnegie Mellon University, Pittsburgh, PA
5Department of Field Studies, Walter Reed Army Institute of Research, Silver Spring, MD

The Role of Data Aggregation in Syndromic Surveillance with Applications in ESSENCE II
Howard S. Burkom
The Johns Hopkins University Applied Physics Laboratory

Bioterrorism Syndromic Cluster Creation Tool: A system to generate sets of artificial patient cluster coordinates
Christopher A. Cassa, 1,2,3 Karen L. Olson, PhD, 2,3,4 Kenneth D. Mandl, MD, MPH 2,3,4
1Massachusetts Institute of Technology, LCS Clinical Decision Making Group
2Children's Hospital Informatics Program
3Center for Biopreparedness at Children's Hospital Boston
4Harvard Medical School

Establishing An Automated Surveillance System Community Health Electronic Surveillance System
Stanley Cho, MPH, 1 Steve Hackmyer, 2 Jiali Li, Ph.D., 1, Otto Meruelo M.S., 2 Kathi Mulvey, 2 Maria Pereira, 2 Renee Recchia, MPH, 1 Dale Scelia, 3
Westchester County, NY

A Comparison of Two Existing Methods for Biosurveillance of Respiratory Disease in the Emergency Department: Chief Complaint versus ICD9 Diagnosis Code
Authors: Melissa Mocny MPH (1); Dennis G. Cochrane MD (2); John R. Allegra MD, PHD (2); Trang Nguyen MD, MPH (1); Julie Pavlin MD, MPH; (3) Jonathan Rothman MBA (4). Richard T Heffernan MPH (5)
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Monitoring Over-the-Counter Pharmacy Sales for Early Outbreak Detection in New York City
Das D, Mostashari F, Weiss D, Balter S, Heffernan R
New York City (NYC) Department of Health and Mental Hygiene (DOHMH), New York, NY

Removing a Barrier to Syndromic Surveillance: Open Sourcing the RODS System
Jeremy Espino, Michael Wagner, Fu-Chang Tsui, Hoah Der Su, Robert Olszewski, Zhen Liu, Wendy Chapman, Lili Ma, Jagan Dara, Zhang Wei Lu, Zia Zeng

Mortality Surveillance in New Hampshire
Kim Fallon, DeeDee Boone
NH Department of Health and Human Services, Bureau of Communicable Disease Surveillance

Correlation of West Nile Virus Infection with Emergency Department Chief Complaints using a Passive Syndromic Surveillance Model
John J. Flaherty, MD FACEP, Michael T. Gillam, MD, Presenter: John J. Flaherty MD Division of Emergency Medicine; Department of Medicine; Evanston Northwestern Healthcare Northwestern University Feinberg School of Medicine; Primary Contact: John J. Flaherty

Preliminary results on the evaluation and validity of chief complaint and discharge diagnoses in a syndromic surveillance system.
Aaron T Fleischauer PhD MPH[1]; Benjamin J Silk MPH[2]; Mare Schumacher MA[3]; Ken Komatsu MPH[4]; Sara Santana DrPH[3]; Victorio Vaz PhD[4]; Mitchell Wolfe MD MPH[5]; Lori Hutwagner MS[1], Joanne Cono MD ScM[1]; Ruth Berkelman MD[2]; and Tracee Treadwell DVM MPH[1].

SARS Surveillance Project: Agile Multi-region Surveillance Surveillance for Sudden Acute Respiratory Syndrome
Seth L. Foldy,[1,2] Edward N. Barthell,[3,4] John C. Silva,[5] Paul Biedrzycki,[1] Donna S. Howe,[1] Marguerite Erme,[6] Brian Keaton,[7] Carol Lee Hamilton, [8] Lou K. Brewer, [8] Gayle Miller, [9] Eugene Eby,[10] Kim Pemble,[3] Christopher Fenton[3]
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[4] Medical College of Wisconsin, Department of Emergency Medicine
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Toxicosurveillance: Utilization of the Toxic Exposure Surveillance System for Detection of Potential Chemical Terrorism Events
Amy Funk,[1] Joshua Schier,[1] Martin Belson,[1] Manish Patel,[1] Carol Rubin,[1] William Watson,[2] Toby Litovitz,[2] Edwin Kilbourne[3]
[1]Centers for Disease Control and Prevention
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A New Twist on Old Methods. Simple Schemes for Disease and Non-Battle Injury Surveillance in the Field
J. Kevin Grayson[1], Philip L. Gould[1]
[1]Epidemiology Services Branch, Air Force Institute for Operational Health

Dual Model Approach to Syndromic Surveillance using Hospital Emergency Room Data.
Karen Green,[1] Benjamin Miller,[1] Heidi Kassenborg,[2] Mansour Hadidi,[1] Marsha Zimmerman,[3] Richard Danila[1].
[1]Minnesota Department of Health, Acute Disease Investigation and Control Section
[2]Minnesota Department of Agriculture
[3]Hennepin County Medical Center, Emergency Department

Using Kaiser Permanente Nurse Hotline Data for Syndromic Surveillance in the Washington DC Metropolitan Area
Jade Vu Henry[1], Steve Magruder,[2] and Mark Snyder[1]
[1]Kaiser Permanente of the Mid-Atlantic States, Department of Research
[2] Johns Hopkins University, Applied Physics Laboratory

BACTrack: A Novel Surveillance Technique
Ronald Hoffeld, Lawrence Candell, Richard Raup, Kerry Kurian, Andrew Siegel, Sundie Meroth
Massachusetts Institute of Technology, Lincoln Laboratory

From Data Sources to Event Detection – Summary of the Southern California Regional Surveillance Summit
Jeffrey Johnson, Louise Gresham, Deirdre Browner, Christopher McClean, Michele Ginsberg, Steve Wood
County of San Diego, Health & Human Services Agency

Monitoring population health using routinely recorded family practice clinical data. Evaluation of a sentinel surveillance system in Auckland New Zealand.
Nicholas Jones MBChB MPH (hons) FAFPHM
Surveillance Director, Auckland Regional Public Health Service, New Zealand

Unititled
Jylmarie Kintz,[1] Eliot Gregos,[1] David Atrubin,[1,2] Jeff Sanchez[1]
[1]Hillsborough County Health Department, Tampa, FL
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From Implementation to Automation: A Step-by-Step Approach to Syndromic Surveillance Systems from a Public Health Perspective
Brian M. Lawson[1], MA, Eugene C. Fitzhugh, PhD[1], CHES, Stephanie P. Hall, MD, MPH[1],
Lori Hutwagner, MS[2], and G. Matthew Seeman, BA[2]

EpiSPIRE: A System for for Environmental and Public Health Monitoring
Chung-Sheng Li, Charu Aggarwal, Murray Campbell, Yuan-Chi Chang, Vijay Iyengar, Mahesh Joshi, Ching-Yung Lin, Milind Naphade, John R. Smith, Belle Tseng, Min Wang, Kung-Lung Wu, Philip S. Yu
IBM T. J. Watson Research Center
Gregory Glass - Johns Hopkins University

Expansion of ESSENCE for Use in Joint Military and Civilian Surveillance in Nine Cities
Nicola Marsden-Haug, MPH (nicola.marsden-haug@na.amedd.army.mil),[1]
LTC Julie Pavlin, MD, MPH,[1] Virginia Foster, PhD, MPH,[1,2] Shana Rechter, RN, MPH,[1] Joe Lombardo, MS,[2]
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Enhancing Community Linkages for Disease Surveillance
Michael Mastrangelo, Center for BioDefense Communications
Angi Bridges, Bell County Public Health District
For the Bell County Texas Public Health District

Untitled
Dr Jim McMenamin, Ann Smith, Dr Martin Donaghy for the CELSIUS programme inplementation team
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A Knowledge Driven Approach to Public Health Situation Awareness
Parsa Mirhaji, MD[1], James Turley, RN, PhD[1], Rachel Richesson, MPH, PhD[1], Jiajie Zhang, PhD[11]University of Texas Health Science Center at Houston, Center for Biosecurity and Public Health Informatics Research

Improving Agreement between Two Existing Methods for Biosurveillance of Respiratory Disease in the Emergency Department: Chief Complaint and ICD9 Diagnosis Code
Melissa Mocny MPH (1); Dennis G. Cochrane MD (2,4); John R. Allegra MD, PHD (2,4); Trang Nguyen MD, MPH (1); Julie Pavlin MD, MPH; (3) Jonathan Rothman MBA(4); Richard T. Heffernan, MPH (5)
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How Many Illnesses Does One Emergency Visit Represent? Use of a Population-Based Telephone Survey to Estimate the "Syndromic Multiplier"
Farzad Mostashari*, Kristina Metzger*, Anjum Hajat*
New York City Department of Health and Mental Hygiene

Syndromic Surveillance Using Chief Complaints from Urgent Care Facilities during the 2002 Olympic Winter Games

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Robert Rolfs, Maryam Haddad, Christine Barton Dickson, Samuel LeFevre, Brian Paoli, Michelle Moskos, Michelle Korth
Ilene Risk, Melissa Stevens, Mary Hill, Michael Mundorff, Per Gesteland, Urgent Care Surveillance, 2002 Winter Olympics Mundorff *et al.*

A Fast Grid-Based Scan Statistic for Detection of Significant Spatial Disease Clusters

Daniel B. Neill, Andrew W. Moore, Carnegie Mellon University

Syndromic Surveillance: A Population Adjusted, Stable Geospatial Baseline for Outbreak Detection

Karen L. Olson, PhD1,2,3 Marco Bonetti, PhD4 Marcello Pagano, PhD4 Kenneth D. Mandl MD,MPH1,2,3
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Practical Evaluation of Electronic Disease Surveillance Systems for Local Public Health

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An empirical evaluation of space-time models for surveillance of disease maps

Carmen L. Vidal Rodeiro and Andrew B. Lawson
University of South Carolina, Norman J. Arnold School of Public Health, Department of Epidemiology and Biostatistics

Outbreak Detection by Signal Integration

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Automated Surveillance for Pneumonia in the SARS Era: a Pilot Study

David K. Shay,1 Margarette Kolczak,1 Edwin Lewis,2 Lori Hutwagner,1 Robert Davis,2,3,4 William W. Thompson,1 Steve Black.2
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Local Health Department Role and Experience in Collaborating with the National Bioterrorism Syndromic Surveillance Demonstration Program

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Evaluation of the Syndromic Surveillance System at Hospitals after the Epidemic of SARS in Taiwan

Frank Fuh-Yuan Shih[1,2], Muh-Yong Yen[3], Fang-Kuei Chang[4], Lih-Wen Lin[4], Jiunn-Shyan Wu[4], Chao A. Hsiung[5], Mei-Hsiang Ho[6], Ih-Jen Su[3] and Chwan-Chuen King[1],
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Empirical Evidence of Cross Relations among Aggregate Indicators of Care-Seeking Behavior
Douglas Stetson, Ronald Bloom, David Crary, Karen Cheng, Gene McClellan
General Dynamics Advanced Information Systems

Effects of Sensitivity and Specificity on the Signal to Noise Ratios for the Detection of Influenza-Associated Aberrations
William Thompson[1], Eric Weintraub[1], Lori Hutwagner[2] David Shay[1]

Statistics for Temporal Surveillance of Bioterrorism
Sylvan Wallenstein, PhD

The Toxic Exposure Surveillance System (TESS) – The American Association of Poison Control Center (AAPCC) Database of Toxic Events in the United States
Watson WA[1], Litovitz T[1], Rubin C[2], Kilbourne E[3], Belson M[2], Patel, M[2], Schier J[2], Funk AB[2].
1. American Association of Poison Control Centers
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GeoSurveillance: Monitoring changes in spatial patterns
Ikuho Yamada and Peter Rogerson
University at Buffalo, Department of Geography

Syndromic Surveillance: An Analysis of the Variation in Patient Populations at Seven Hospital Emergency Departments in Southeastern Virginia
Christine M. Yuan, MPH[1,2], Suzanne S. Love, MD, MPH[3], Mark L. Wilson, ScM, ScD[1]
Williamson County & Cities Health District
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Power Evaluation of the Space – Time Scan Statistic
Zhenkui Zhang1, Martin Kulldorff1 , Jessica Hartman2, Richard Heffernan2, Lan Huang1,
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