Bibliography for 2008-2014
(September 30, 2008 - December 29, 2014)

Presentations (oral presentations and posters)


Samoff E, Park M, Davis M, Fleischauer A, Haas SW, Ising A, MacDonald PDM, Waller A. How can we make NC DETECT more useful to North Carolina Public Health Agencies? Poster presented at the North Carolina Public Health Association Annual Educational Conference; September 30 - October 1, 2009; Asheville, NC.

Samoff E, Ising A, Waller A. Adding communication to surveillance: Annotation of NC DETECT. Poster presented at the 2009 Public Health Systems & Services Research Keeneland Conference. April 7-9, 2009; Lexington, KY.


Carr S, Yarmand H, Roberts S. Simulation Modeling of Infectious Diseases and Intervention Strategies. Poster presented at the North Carolina Public Health Association Annual Educational Conference; September 30 - October 1, 2009; Asheville, NC.


Horney J, Meyer AM, MacDonald PDM. Organizational capacity of regional public health surveillance teams in North Carolina. Poster presented at the 2010 Public Health Preparedness Summit. February 16-19, 2010; Atlanta, GA.

Markiewicz M, Horney J, Meyer AM, MacDonald PDM. Services and support provided by Public Health Regional Surveillance Teams (PHRSTs) to Local Health Departments in NC. Poster presented at the 2010 Public Health Preparedness Summit. February 16-19, 2010; Atlanta, GA.


Yarmand H, Ivy J, Roberts S. A Simulation-Based Analysis of Different Mitigation Strategies for H1N1. Poster presented at the 2010 Conference on Health and Humanitarian Logistics. March 4-5, 2010; Atlanta, GA.

Carr S, Roberts S. An Integrated Disease Spread and Facility Location Simulation. Poster presented at the 2010 Conference on Health and Humanitarian Logistics. March 4-5, 2010; Atlanta, GA.

Yaylali E, Ivy J. Stochastic Alert Threshold Development for NC HAN. Poster presented at the 2010 Conference on Health and Humanitarian Logistics. March 4-5, 2010; Atlanta, GA.


Carr S, Roberts S, Uzsoy R. Vaccine/Antiviral Distribution Planning During an Outbreak; Presentation delivered at the 2010 Public Health Systems and Services Research Keeneland Conference, April 20-22, 2010; Lexington KY.


Carr S, Roberts S, Uzsoy R. Pandemic Disease Spread and Facility Location. Poster presented at the Healthcare Systems Engineering Research and Education Leadership Workshop; May 2010; Fayetteville, AR.


Yarmand H, Ivy J, Roberts S. A Simulation-Based Analysis of Different Control Policies for H1N1. Paper presented at Institute of Industrial Engineers Annual Conference & Expo; June 5-9, 2010; Cancún, Mexico.


Ivy J, Yaylali E. When to Respond: A Multi-Agent Stochastic Alert Threshold Model for Declaring a Disease Outbreak. Invited Seminar at the Georgia Institute of Technology, Industrial and Systems Engineering Department; October 6, 2010; Atlanta, GA.


Bellamy J, Davis MV, Marti C, Mays G, Wayne J, Wood BW. Local Health Department Preparedness Capacity Survey (P-Cap) – Results from NC. Poster presented at the North Carolina Public Health Association Annual Educational Conference; October 27-29, 2010; Wilmington, NC.


**Markiewicz M, George A, Hege J, Bevc C, Deyneka L, MacDonald PDM.** North Carolina’s Hospital-based Public Health Epidemiologist (PHE) Program. Poster presented at the North Carolina Public Health Association Annual Educational Conference; October 27-29, 2010; Wilmington, NC.

Ivy J. Analysis of the North Carolina Health Alert Network. Paper presented at the North Carolina Public Health Association Annual Educational Conference; October 27-29, 2010; Wilmington, NC.

Yaylali E, Ivy J. Optimization of Alerting Decisions for Local and State Health Departments in case of H1N1. Poster presented at the North Carolina Public Health Association Annual Educational Conference; October 27-29, 2010; Wilmington, NC.


Marti C. Real-time data collection tool to reduce recall bias and improve utility of lessons-learned during real public health events. Paper presented at the American Public Health Association 2010 Annual Meeting; November 6-10, 2010; Denver, CO.


Yarmand H, Ivy J, Roberts S. Cost-Effectiveness Analysis of Vaccination and Self-isolation in Case of an H1N1 Outbreak. Paper presented at the INFORMS Annual Meeting Conference; November 7-10, 2010; Austin, TX.


Carr S, Roberts S. Planning for Infectious Disease Outbreaks: A Geographic Disease Spread, Clinic Location, and Resource Allocation Simulation. Paper presented at the 2010 Winter Simulation Conference; December 5-8, 2010; Baltimore, MD.


Samoff E, Waller A, Fleischauer A, Sickbert-Bennett E, Ising A, Davis MK, Park M, Haas SW, DiBiase L, MacDonald PDM. Access to and use of syndromic surveillance data at the local health department level. Poster presented at the International Society of Disease Surveillance Annual Conference; December 1-2, 2010; Park City, UT.


Yarmand H, Ivy J. Analytic Solution to the Susceptible-Infective Disease Spread Model with Varying Contact Rate. Oral presentation at the 2011 Health and Humanitarian Logistics Conference; March 3-4, 2011; Atlanta, GA.

Bevc, C. Community-Based Vulnerabilities Associated with Local Nuclear Hazard Risk. Oral presentation at the Midwest Sociological Society’s annual meeting; March 25-27, 2011; St. Louis, MO.

Bellamy J, Mays G, Davis MV, Wayne J, Marti C, Wood BW. The Local Health Department Preparedness Capacity Survey (P-CAS) Results: Comparing North Carolina with a Matched National Sample. Oral presentation at the Keeneland Conference; April 12-14, 2011; Lexington, KY.

Bellamy J. The Uptake of Emergency Preparedness Training at the Local Level: The TRAIN Experience. Oral presentation at the Keeneland Conference; April 12-14, 2011; Lexington, KY.

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Bevc CA, Christopherson L, Haas SW. Understanding and Comparing Patterns of Communication in H1N1: Applying Social Network Analysis. Poster presentation at the Academy Health Annual Research Meeting; June 14-15, 2011; Seattle, WA.

Mays GP, Davis MV, Marti C, Wood BW, Wayne J, Bellamy J. Explaining Geographic Variation in Public Health Preparedness: Returns to Scale and Experience. Oral presentation at the Academy Health Annual Research Meeting; June 14-15, 2011; Seattle, WA.


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Bevc C. Integrating Vulnerable and At-Risk Populations into Closed POD Exercise Planning. Oral presentation at the North Carolina Public Health Association Annual Educational Conference; September 21-23, 2011; Charlotte, NC.

Bevc C, Davis MV. Using A Survey To Improve Preparedness Practice: The NCPERRC P-CAS Study. Oral presentation at the North Carolina Public Health Association Annual Educational Conference; September 21-23, 2011; Charlotte, NC.

Taheri J, Gates HK, Ivy J. Utilizing systems engineering models to enhance collaboration and vaccination clinic efficiency in the Southern Piedmont. Oral presentation at the North Carolina Public Health Association Annual Educational Conference; September 21-23, 2011; Charlotte, NC.


Horney JA, Markiewicz M, Patil N, Casani J, Levine M, MacDonald PDM. Services provided by regional preparedness and response teams in North Carolina and Virginia. Poster presented at the 2011 American Public Health Association Annual Meeting; October 29 – November 2, 2011; Washington, DC.


Yarmand H, Ivy J. Analytic Solution to the Susceptible-Infective Disease Spread Model with Varying Contact Rate. Oral presentation at the 2011 INFORMS Annual Meeting Conference; November 13-16, 2011; Charlotte, NC.


Ivy J, Yaylali E. When to Respond: A Multi-Agent Stochastic Alert Threshold Model for Declaring a Disease Outbreak. Invited Seminar at the University of Pittsburgh Department of Industrial Engineering; December 8, 2011; Pittsburgh, PA.


Davis MV, Bevc C, Mays G. P-CAS: A Preliminary Metric and Baseline for Preparedness Capacity and Capabilities. Oral presentation at the Public Health Preparedness Summit; February 21 – 24, 2012; Anaheim, CA.

Horney JA, MacDonald PDM, Casani J. Translating Evidence into Action: Improving the Effectiveness of Regional Public Health Workforce Assets. Oral presentation at the Public Health Preparedness Summit; February 21 – 24, 2012; Anaheim, CA.

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Yaylali E, Ivy J, Uzsoy R. Modeling Infectious Disease and The Effect of Early Detection. Oral presentation at Institute of Industrial Engineers Annual Conference; May 18 - 22, 2012; Orlando, FL.


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Yaylali E, Ivy J, Uzsoy R. Optimizing Contact Tracing for a Pertussis Outbreak in a Local Health Department. Presentation at INFORMS Annual Conference, October 14-17, 2012; Phoenix, AZ.

Yaylali E, Ivy J. DMA-POMDP: A Multi-agent Framework for Decentralized Control and Its Application to Outbreak Response. Presentation at INFORMS Annual Conference, October 14-17, 2012; Phoenix, AZ.


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Baker EL, Smith PF. Improving Situational Awareness through Better Biosurveillance. Presentation delivered at the Preparedness Summit; April 1, 2014; Atlanta, GA.

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Publications


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