



AAG Annual Meeting

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Paper Session:

3241 Spatial Epidemiology II: Spatial Patterns and Clustering

is scheduled on Thursday, 4/23/2015, from 10:00 AM - 11:40 AM in New Orleans, Hyatt, West Tower, Gold Level

Sponsorship(s):

Health and Medical Geography Specialty Group
 Geographic Information Science and Systems Specialty Group
 Spatial Analysis and Modeling Specialty Group
 International Geospatial Health Research Network

Organizer(s):

[Eric M. Delmelle](#) - UNC-Charlotte
[Tijs Neutens](#) - Ghent University

Chair(s):

[Eric M. Delmelle](#) - UNC-Charlotte

Abstract(s):

10:00 AM Author(s): *Emily Grise, BES - University of Toronto, Department of Geography
 Ron Buliung, PhD - University of Toronto, Department of Geography
 Linda Rothman, BScOT, MHSc, PhD - York University, Norman Bethune College, Faculty of Health-School of Kinesiology & Health Science
 Andrew Howard, MD, FRCSC, MSc - The Hospital for Sick Children, Child Health Evaluative Sciences, and Orthopaedic Surgery; University of Toronto, Departments of Surgery & Health Policy, and Management & Evaluation

Abstract Title: *Exploring spatial patterns of pedestrian injury by age and severity in Toronto, Canada*

10:20 AM Author(s): *Kevin A Henry, PhD - Temple University, Department of Geography & Urban Studies
 Jerald Fagliano, PhD - New Jersey Department of Health, Trenton, NJ
 Heather Jordan, MPH - New Jersey Department of Health, Trenton, NJ; McKing Consulting Corporation, Atlanta, GA
 Lindsay Rechtman, MPH - New Jersey Department of Health, Trenton, NJ; McKing Consulting Corporation, Atlanta, GA
 Wendy Kaye, PhD - McKing Consulting Corporation, Atlanta,

Abstract Title: *Geographic variation and area-based socioeconomic differences in Amyotrophic Lateral Sclerosis incidence in New Jersey, 2009-2011*

10:40 AM Author(s): *Kristian Larsen - The Hospital for Sick Children and University of Toronto
 Teresa To - The Hospital for Sick Children
 Jingqin Zhu - The Hospital for Sick Children
 Devon Williams - The Hospital for Sick Children
 Jacqueline Simatovic - The Hospital for Sick Children
 The CRRN Environmental Health Team -

Abstract Title: *Does where you live matter? Assessing how air pollution relates to asthma and COPD*

11:00 AM Author(s): *Eun-hye Enki Yoo - University At Buffalo (SUNY)

Abstract Title: *Moving from static monitoring to activity-based dynamic air pollution exposure assessment*

11:20 AM Author(s): *Raid Amin - University of West Florida
Aletheia Zambesi - University of West Florida
Toni Charlot - University of West Florida

Abstract Title: *A Cluster Analysis of Carcinogenic Air Pollution in the USA: From Counties to Census Tracts to Block Groups to Blocks*

Session Description: Sessions around the theme of spatial and spatiotemporal epidemiology. Focus is on the development of spatial and spatiotemporal methodologies to answer fundamental epidemiological questions. Topics:

- Spatiotemporal modeling
- Geovisualization and geocomputation for big data in health research
- Point pattern analysis and disease movement analysis
- Use of geospatial techniques in health (GPS, GIS)
- Spatial strategies for health interventions
- Geographies of prevention
- Accessibility to medical care
- Transportation and health
- Modeling uncertainty in health

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