WEDNESDAY, 6/27/2012

8:30 am – 12:30 pm  Pre-Conference Workshops
- Career Panel: Career Insights from Senior and Recently Minted Epidemiologists
- Methods for Causal Mediation Analysis
- Introduction to Directed Acyclic Graphs
- Health and Demographic Data from the Minneapolis Population

1:00 – 5:00 pm  Pre-Conference Workshops
- Assessing Food and Nutrient Intake Using Nutrition Data System for Research (NDSR)
- Introduction to Systematic Review and Meta-Analysis
- Analysis of Probability Surveys Using SAS®

4:00 – 8:00 pm  Registration
Nicollet Foyer

7:00 – 9:00 pm  Welcome Reception
Nicollet C/D

7:30 – 8:30 pm  Poster Session 1
Nicollet C/D

AGING
001  Arterial Stiffness and Cognitive Decline among Black and White Elders: Findings from the Health, Aging and Body Composition Study
Adina Zeki Al Hazzouri

002  Further Exploration of the Early Mortality Exclusion to Control for Confounding by Pre-Existing Disease
Pramil Singh

003-S  Longitudinal Course of Behavioural and Psychological Symptoms of Dementia
Rianne van der Linde

004  Social Disorder, APOE-E4 Genotype, and Change in Cognitive Function among Older Adults
Carlos Mendes de Leon

005  A Prospective Study of Serum 25-Hydroxyvitamin D Levels and Mortality
Lisa Signorello

006  Burden of Chronic Disease: A Population-Based Study
Jennifer St. Sauver

007  Sensory Impairment and Quality of Life
Dayna Dalton

008-S  Cross-National Comparisons of Physical Performance versus Self-Reported Disability: Timed Walk in India and China
Benjamin Capistrant

009-S  Mobility, Disability, and Social Engagement in Older Adults
Andrea Rosso

010-S  Caregiver Health Related Quality of Life: Results from a National Sample
Joshua Kropko

CANCER
011  Risk of Cancer in Asian Americans
Arthur Klatsky

012  Data Quality (DQ) of Wisconsin Cancer Reporting System (WCRS) on Prostate Cancer (PC)
Alex Ho

013  Pre-Conception, Prenatal and Early Childhood Exposure to Medical Radiation in Children Diagnosed with Blood Cancers or Solid Tumors: Single Institution Study, 1990-2010
Robin Rohrer

014-S  Gene-Environment Effects of Alcohol and Related Metabolizing Genes on Onset Age, Risk and Survival of Cancer of the Oral Cavity
Yun-Ju Hung

015  Impact of HIV-Infected Cases on U.S. Anal Cancer Rates
Meredith Shiels

The "-S" designation indicates that the work was completed while the presenter was a student.
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<td>Claudine Samanic</td>
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<td>Use of Non-Steroidal Anti-Inflammatory Drugs and Risk of Prostate Cancer in Montreal, Canada</td>
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<td>Carcinogenic Effect of Betel-Quid Use on Anatomical Site and Histological Type of Aerodigestive Tract Cancers</td>
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<td>Risk of Second Primary Cancers after Testicular Cancer in East and West Germany</td>
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<td>FEMALE CANCER</td>
<td>Risk of Second Breast Cancer According to Hormone Receptor Status in Germany</td>
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<td>022</td>
<td>Penetrance of Breast and Ovarian Cancers in BRCA 1/2 Mutation Carriers in Korea: Using Proband’s Phenotype Exclusion Likelihood (PEL) Method</td>
<td>Choonghyun Ahn</td>
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<td>Perinatal Factors and Breast Cancer Risk among Hispanics</td>
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<td>Oral Contraceptive Use and Breast Cancer Risk Overall and by Molecular Subtype among Young Women</td>
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<td>Interactions between Common Genetic Variants and Cigarette Smoking before First Pregnancy with Breast Cancer Risk in U.S. Radiologic Technologists</td>
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<td>Garth Rauscher</td>
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<td>Critical Windows of Susceptibility, Genetic Loci and Breast Cancer Risk</td>
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<td>Association between Arsenic Exposure from Drinking Water and Electrocardiographic Abnormality of Heart Rate-Corrected QT-Interval Prolongation: Results from the Health Effects of Arsenic Longitudinal Study</td>
<td>Fen Wu</td>
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<td>Dust Storms and the Risk of Asthma Admissions to Hospitals in Arabian Peninsula</td>
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040 Prospective Study of Urinary Total Arsenic Concentration and Lung-Related Mortality in Bangladeshi Adults
Maria Argos
041 Blood Lead Associated with Estimated Glomerular Filtration Rate in Healthy Young Women
Anna Pollack
042 The Role of Ambient Ozone in Epidemiologic Studies of Heat-Related Mortality
Jonathan M. Snowden

HIV
043 Posttraumatic Stress Disorder and HIV Risk Behavior among Army National Guard Soldiers: The Mediating Role of Depression
Brandon Marshall
044-S Moved to Poster Session 2
045 Characterizing Heterosexual Community Venues with Recent, Prevalent and No HIV Cases to Inform Targeted HIV Transmission Control Strategies
Jacky Jennings
046-S Factors Relating to Time to Entry into Medical Care after Diagnosis of Human Immunodeficiency Virus (HIV)
Michael Lowe
047 Childhood Trauma and the Structure of Behavioral Sequelae among HIV-Infected Women of Color
Lynne Messer
Edgar Simard
049-S Modeling Clinical Retention in the North American HIV Population
Peter Rebeiro
050 Health Outcomes following a Health Information Exchange Intervention for HIV Patients
Samuel Tchwenko
051-S HIV Testing of Patients Receiving an STD Test in a North Carolina Community Health Center
Pamela Klein
052-S Effect of Copayment on Antiretroviral Medication Adherence for Newly Treated HIV-Positive Adults with Commercial Insurance
Jonathan Todd

INJURY
053 Impact of the Penalty Points System on Road Traffic Crashes - Related Injuries in Kuwait: 2003-2009
Saeed Akhtar
054 Injury Rates in Team Sport Events: Tackling Challenges in Assessing Exposure Time
Steven Stovitz
055-S Effect of Rating of Management Attitude and Commitment on Injury Rate and Severity in Small and Medium Sized Construction Companies
Katherine Schofield
056-S That Must Have Been Some Toothache! Establishing State-Based Epidemiologic Surveillance of Dental Complaints in Emergency Departments
Jon Roesler
057-S Boomers & Their Harleys? Trends in Motorcycle Crash Injury
Jon Roesler

METHODS
058 Difficulty in Interpreting Chronic Disease Treatment Efficacy Could Be Addressed by Mendelian Randomization
CM Schooling
059 An Innovative Approach to Sample and Recruit Adults Living in a Predominantly Poor, Rural, Underserved Region into a Health Study
Vanessa Short
060 Can We Trust Estimates of Risk Differences and their Confidence Intervals if Based on Logistic Regression?
Anna Grimby-Ekman
061-S Record-Level Bias Analysis for Uncontrolled Confounding in Cancer Pooling Projects with Multiple Investigators
Caroline Thompson
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<td>Anne Jurek</td>
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Sarah Cohen

Healthy People 2020 Physical Activity Objectives: Children and Adolescents
Asel Ryskulova

Relationship between the Body Adiposity Index and Body Mass Index among Asian Immigrant Women
Madhav Bhatta

Are Positive Attitudes and Purchases of Organic, Locally Grown, Non-Processed, and Sustainably Produced Foods Associated with Higher Dietary Quality among Young Adults?
Jennifer Pelletier

Latent Class Analysis of Food Shopping Behaviors and the Relationship with Food Consumption
Nicole VanKim

Increased Risk of IgA Nephropathy among Individuals with Celiac Disease
Adina Welander

Association between Smoking Status and Free, Total, and Percent Free Prostate-Specific Antigen
Jun Li

Prevalence of Celiac Disease in the United States: Preliminary Results from NHANES 2009-2010
Daniel DiGiacomo

Pap Test Awareness and Involvement by Hmong American Women in La Crosse, Wisconsin
Jing Sun

Physical Activity during Early Pregnancy and Infant Birth Size
Megan Slater

Maternal Vitamin D Status is Associated with Fetal Size in a Large US Cohort
Alison Gernand

Predictors of Perception of Pregnancy Risk among Nulliparous Women
Hamideh Bayrampour

Rates of Vaccination Occurring during Pregnancy
Allison Naleway

Placental Abruption is Associated with Maternal Sleep Duration and Complaints of Vital Exhaustion during Pregnancy
Chunfang Qiu

Maternal Sleep Duration in Early Pregnancy is Associated with Pregnancy Weight Gain
Ihunaya Frederick

Correlates of Short and Long Sleep Duration during Early Pregnancy
Chunfang Qiu

Combined Effects of Pre-Pregnancy Body Mass Index and Weight Gain during Pregnancy on the Risk of Infant Death
Regina Davis

Characteristics of Women Who Continue to Consume Alcohol during Pregnancy
Sheila W McDonald

Impact of Prenatal Work on Breastfeeding Intention and Initiation
Laura Attanasio

Interaction of Maternal Smoking during Pregnancy and Fetal Growth and its Effects on Childhood Growth
Kohta Suzuki

A Study on the Timing of Anxiety and Depression Diagnosis and Hypertensive in Pregnancy
Sheena Cretella

Disparities in Potentially Avoidable Hospital Admissions
Pamela Jo Johnson

Cultural Context, Healthcare Utilization, and CAM Use
Pamela Jo Johnson

Trends in Obstetric Care and the Role of Health Insurance, 2002-2009
Katy Kozhimannil

Dental Care among Young Adults with Intellectual Disability: Metropolitan Atlanta Developmental Disabilities Follow-Up Study
Vijaya Kancheria

Health Literacy and Urbanicity in the 2008 Survey of the Health of Wisconsin (SHOW)
Matthew Walsh

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Yermek Ibrayev |
| **114** | Utilization of Colorectal Cancer Screening in Persons with Different Dietary Patterns. The Adventist Health Study-2  
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| **115-S** | Use of CAM among Adults with Back Pain: United States 2007  
Neha Ghildayal |
| **116-S** | Disparities in Quality and Provision of Transplant Education  
Lauren Kucirka |
| **117** | Factors Affecting College Student Blood Donation in Grenada West Indies: An Incidence Density Case-Control Study  
Locksley Messam |
| **PEDIATRICS** |
| **118-S** | The Use of Criteria for Observational Studies of Neonatal Cohorts: The Potential Introduction of Bias  
Michelle Jie |
| **119-S** | Oral Health Disparities in Children of New Immigrants in Southern Taiwan  
Ying Chun Lin |
| **120-S** | A Case-Parent-Triad Approach in Assessing Risk of Osteosarcoma Associated with Genetic Variation in Estrogen Metabolism Genes: A Children's Oncology Group (COG) Study  
Jessica Musselman |
| **121** | Adjunct Corticosteroids in Children with Community-Acquired Pneumonia in the Outpatient Setting  
Lilliam Ambroggio |
| **122** | Prevalence of Underweight, Overweight and Obesity among Children under 5 Years Old in Vietnam  
Naoko Sakamoto |
| **123-S** | Breastfeeding is an Effect Modifier of the Association between Cesarean Section Delivery and Asthma in Childhood  
Gareth Mercer |
| **124-S** | Maternal Anaemia: A Predictor of Low Haemoglobin Level in Infants during the First 18 Months of Life  
Kobto Ghislain Koura |
| **125** | Updating Survival Charts for Very Preterm Births: Production and Validation of a Prognostic Model  
Bradley Manktelow |
| **126** | Prediction of Excess Weight in Young Adulthood from Infant Growth Traits and Parental Characteristics  
Andrew Odegaard |
| **127** | Body Mass Index, Parental Education, and Race Predict Birthweight and Gestational Age among Adolescents  
Emily Harville |
| **128** | Racial/Ethnic and Family Income Differences in Diagnosed Attention Deficit Hyperactivity Disorder (ADHD) for US Children Aged 7-11, National Health Interview Survey 1999-2010  
PN Pastor |
| **129-S** | Mothers’ Mediterranean Dietary Pattern and Asthma among Children in New York City  
Paula Bordellos |
| **130-S** | BCG Vaccination and Childhood Asthma: Preliminary Results from a Birth Cohort  
Mariam El-Zein |
| **131** | Description of Bacillus Calmette-Guérin (BCG) Vaccination Rates in the Province of Quebec, Canada, 1926-1974  
Marie-Claude Rousseau |
| **132-S** | Different Metrics Produce Different Estimates in Prevalence of Childhood Obesity  
Amanda Brzozowski |
| **133-S** | Body Mass Index at Birth and Growth during Infancy in Relation to Total Bone Mineral Density among Caucasian Children  
Ka Khady |
| **134** | Intensity of Internet Use is Associated with Adolescent Blood Pressure  
Andrea Cassidy-Bushrow |
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Thursday, 6/28/2012

Plenary Session 1 and Spotlight Session 1

7:00 – 8:00 am  Breakfast with the Experts 1 (tickets required)  see ticket for location

8:30 – 10:00 am  Plenary Session 1  
Keynote Speaker: Ward Cates, Jr., MD, MPH, FHI  
Nicollet A/B  

Presidential Address  
Polly A Marchbanks, PhD, Centers for Disease Control and Prevention  

Guest Speaker  
"The World Was Our Laboratory: Origins and Early Evolution of Cardiovascular Disease Epidemiology"  
Henry Blackburn, MD, University of Minneapolis  

10:00 – 10:30 am  Break

10:30 am – 12:00 noon  Spotlight Session 1  
Childhood Risk Factors for Diabetes and Obesity: Lifecourse  
Approaches  
Session Chair: Ellen Demerath  
Greenway D/E  

148-S  
**BMI Trajectories in Minnesota: An Analysis of a 35-Year Birth Cohort**  
Katherine Andrade  

149-S  
**LifeCourse Socioeconomic Position, Race and Prevalence of Diabetes among US Women and Men**  
Tabassum Insaf  

150-S  
**Mendelian Randomization Study of the Association of Age at Menarche and Type 2 Diabetes**  
Jill Dreyfus  

151-S  
**Children's Self-Regulatory Capacity and Later Weight Status**  
Madeleine deBlois  

How the Social Environment Shapes Health  
Session Chair: Jennifer Ahern  
Nicollet A/B  

152  
**Racial Discrimination and Telomeric Aging among African American Midlife Men**  
David H Chae  

153  
**Association between Socioeconomic Status, Health Behaviors and All-Cause Mortality in the United States**  
Arijit Nandi  

154  
**Latino Health Paradox or Healthy Immigrant Phenomenon? Adult Morbidity in the Integrated Health Interview Series, 2000-2009**  
Ross Macmillan  

155  
**Simulating Counterfactuals: Neighborhood Interventions to Reduce Disparities in Violence and Psychopathology**  
Magdalena Cerda  

156-S  
**Social Exclusion and Post-Traumatic Stress Disorder in Post-Conflict Liberia**  
Abdulrahman El-Sayed  

Inflammation During Pregnancy and Perinatal Outcomes  
Session Chair: Ruby Nguyen  
Greenway F/G  

157  
**The Association between 25-Hydroxyvitamin D and C-Reactive Protein Concentrations in Pregnant Mothers**  
Lisa Bodnar  

158-S  
**Polymorphisms in Genes Associated with Natural Killer Cells are Associated with Preterm Birth**  
Quaker Harmon  

159  
**Are Markers of Overall Functioning of Maternal Immune System or Maternal Infection during Pregnancy per se Associated with an Increased Risk of CP in the Offspring?**  
Chunsen Wu  

160  
**Gene-Environment Interactions as Explanation for Genetic Non-Replication in the Etiology of Hypospadias**  
Nel Roeleveld

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Thursday, June 28

**MATTERS (AND METHODS) OF LIFE AND DEATH: STUDIES OF MORTALITY**

**Session Chair:** Polly Newcomb

- **161-S**
  - **Oral Contraceptive Use and Mortality: 32 years of Follow-Up in the Nurses’ Health Study**
  - **Brittany Charlton**

- **162-S**
  - **Estimating the Association between Asbestos and Lung Cancer Mortality Using Structural Nested Models**
  - **Ashley Naimi**

- **163-S**
  - **Vegetarian Diet Patterns and Mortality: Early Findings from Adventist Health Study 2**
  - **Michael Orlich**

- **164-S**
  - **Bilateral Oophorectomy and Risk of All-Cause, Cardiovascular Disease and Cancer Mortality**
  - **Duke Appiah**

- **165**
  - **Algorithms to Identify Second Breast Cancer Events Using Administrative Data**
  - **Jessica Chubak**

**VACCINES: EFFECTIVENESS, SEX AND POLITICS**

**Session Chair:** Shalini Kulasingam

- **166-S**
  - **Evaluating Influenza Vaccine Effectiveness among Hemodialysis Patients Using a Natural Experiment**
  - **Leah McGrath**

- **167**
  - **The Effectiveness of Immunoprophylaxis Program for Neonatal Transmission of Hepatitis B within a Large HMO**
  - **Ai Kubo**

- **168-S**
  - **Factors and Reasons for Not Initiating the HPV Vaccine among Unvaccinated Teens**
  - **Lauren Drinkard**

- **169-S**
  - **The Historical and Political Processes Giving Rise to Increased Cervical Cancer Incidence in Appalachia**
  - **Jesse Plascak**

12:15 – 1:15 pm

**Brown-Bag Session: Early Stage Investigators**

**Nicollet A/B**

**Chairs:** Andrew Olshan and Bernard Harlow

**Time Management**

**Discusants**

Andrew Olshan and Bernard Harlow

12:15 – 1:15 pm

**Brown-Bag Roundtables 1** (tickets required)

see ticket for location

1:30 – 3:00 pm

**Symposia 1**

- **170**
  - **A Case of Fraud: Implications for Epidemiologic Research**
  - **Nicollet A/B**

**Session Chair:** Michel A Ibrahim

**Overview of Topic**

Michel A Ibrahim

**Author/Investigator’s Perspective**

Sandro Galea

**Journal Editor’s Perspective**

Catherine DeAngelis

**Institution’s Perspective**

Raymond S Greenberg

171

**Bayesian Epidemiology: In Practice**

**Greenway D/E**

**Session Chair:** Ghassan Hamra

**A Bayesian Approach to Strengthen Inference from Occupational Case-Control Studies with Multiple Non-Gold Standard Exposure Assessments**

Haitao Chu

The “-S” designation indicates that the work was completed while the presenter was a student.
Bayesian Posterior Distributions without Markov Chains
Stephen Cole

Integrating Informative Priors from Experimental Research with Bayesian Methods: An Example from Radiation Epidemiology
Ghassan Hamra

Bayesian Approaches to Inverse Probability Weighted Models
Richard MacLehose

**172**  
**FOODBORNE DISEASE EPIDEMIOLOGY: GROWING IMPORTANCE AND NEGLECTED OPPORTUNITIES**  
**Session Chair:** Michael T Osterholm

*Challenges and Responses to the Evolving Food Safety Landscape*  
Robert Tauxe

*The Minnesota Model for Foodborne Disease Surveillance and Outbreak Response*  
Kirk Smith

*Potential for Food and Nutrient Databases and Dietary Survey Data to Aid in Foodborne Illness Outbreak Investigations*  
Lisa Harnack

*Gaps and Opportunities: Foodborne Outbreak Investigations as a Model for Applied Research in a Public Health Practice Setting*  
Craig Hedberg

**173**  
**MENOPAUSAL HORMONE THERAPY AND WOMEN'S HEALTH: FOR WHICH WOMEN ARE HORMONES ADVISABLE?**  
**Session Chair:** Britton Trabert

JoAnn E Manson  
James V Lacey, Jr  
Susan Reed

**174**  
**METHODS FOR PREDICTION OF RISK: EXAMPLES FROM CVD EPIDEMIOLOGY**  
**Session Chair:** Aaron Folsom

*Clinical Utility of Cardiovascular Risk Prediction*  
Aaron R Folsom

*Reclassification Methods for Comparing Risk Prediction Models*  
Nancy R Cook

*How to Interpret Improvement in Risk Prediction beyond Statistical Significance*  
Michael J Pencina

*Potential for New Genetic Discoveries to Improve Risk Prediction*  
James Pankow

**175**  
**SPOOLOVER EFFECTS IN EPIDEMIOLOGIC RESEARCH**  
**Session Chair:** Tyler J VanderWeele

*The Minicommunity Design to Assess Indirect Effects of Vaccination*  
Elizabeth Halloran

*Causal Inference under Interference in Spatial Settings: A Case Study Evaluating the Community Policing Program in Chicago*  
Natalya Verbitsky

*Methodology for Spillover Effects within Households*  
Tyler J VanderWeele

**Discussant**  
Jay S Kaufman

3:00 – 3:30 pm  
**Break**
Thursday, June 28

3:30 – 5:00 pm

**Spotlight Session 2**

**ACROSS THE CANCER CONTROL CONTINUUM: FROM PREVENTION TO SURVIVORSHIP**

*Session Chair:* DeAnn Lazovich

- **176** Individual and Social Determinants of Multiple Chronic Disease Behavioral Risk Factors among Youth
  Arsham Alamian

- **177** Decomposing the Decline: Assessing the Contribution of Prevention and Cessation Efforts to the Decreased Prevalence of Smoking in New York City
  Micheal Johns

- **178** Racial Differences in Sex Hormones with Weight Loss and Maintenance in Overweight and Obese Postmenopausal Women
  Rachael Stolzenberg-Solomon

- **179** Characteristics Associated with Tamoxifen Use for Chemoprevention after Age 50: Results from the Sister Study
  Hazel Nichols

- **180** Trends in Breast Cancer Screening Following the 2009 USPSTF Recommendations
  Brian Sprague

**BIAS ADJUSTMENT IS NOT WHAT IT USED TO BE: SHOWCASING THE APPLICATION OF ALTERNATIVES TO CONVENTIONAL REGRESSION**

*Session Chair:* Miguel Hernán

- **181-S** Calendar Time as an Instrumental Variable in Nonexperimental Comparative Effectiveness Research of Dynamic Therapies
  Christina Mack

- **182** Healthy Worker Survivor Bias: Separating the Contributions of Employment Termination and Intermittent Time off Work in a Cohort of Autoworkers Using g-Estimation
  Sally Picciotto

- **183** Withdrawn

- **184-S** Weighted Logistic Regression for Multiple Bias Analysis
  Candice Johnson

- **185** Estimating the Effects of Lifestyle Interventions on Coronary Heart Disease Risk Requires Adjustment by Baseline Exposure
  Martin Lajous

**INJURY AND VIOLENCE PREVENTION: SURVEILLANCE THROUGH INTERVENTION**

*Session Chair:* Arlene Greenspan

- **186** Youth Sports-Related Concussion: Finding the Real Numbers
  Leslie Seymour

- **187** Drug Use and Fatal Crash Risk in Weekend Nighttime Drivers: A Nationwide Population-Based Case-Control Study
  Guohua Li

- **188** Neighborhood Income Inequality and Physical Disorder and the Risk of Fatal Prescription Opioid Overdose
  Magdalena Cerda

- **189** Neighborhood Collective Efficacy and Violence in New York City
  Jennifer Ahern

**NEIGHBORHOOD CONDITIONS AND ADOLESCENT HEALTH: ARE THE KIDS ALRIGHT?**

*Session Chair:* Sam Harper

- **190** Adolescent Neighborhood Social Environment and Blood Pressure in Adulthood
  Shakira Suglia

- **191** Did Adolescents in Higher SES Families Differentially Benefit from a Housing Mobility Intervention?
  Quynh Nguyen

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The “-S” designation indicates that the work was completed while the presenter was a student.
Thursday, June 28

Spotlight Session 2

192  Effects of Housing Mobility and Lower Poverty Neighborhoods on Adolescent Asthma: The Moving to Opportunity Experiment  
Theresa Osypuk

193-S  Collective Efficacy and Community Violence: What is the Direction of Association?  
Abdulrahman El-Sayed

**Persistent Organic Pollutants**  
Session Chair: Bruce Alexander

194  Association of Serum Dioxin-Like Compounds with Serum Lipids in Russian Boys  
Jane Burns

195  Longitudinal Assessment of Changes between Serum Perfluorooctanoate, Perfluorooctanesulfonate, and Serum Lipids  
John Butenhoff

196  Trends in Blood Lipids and Declining PFOA from Environmental Exposure  
Tony Fletcher

197-S  Perfluoroalkyl Chemicals and Prediabetes in US Adults  
Omayma Alshaarawy

**Pregnancy and Diabetes Risk**  
Session Chair: Jim Pankow

198-S  Pre-Pregnancy Nut and Peanut Butter Consumption and the Risk of Gestational Diabetes Mellitus  
Wei Bao

199-S  Medical History of Depression and Risk for Gestational Diabetes-Findings from a Large Population-Based Cohort in the US  
Katherine Bowers

200  Prepregnancy Adiponectin Levels and Risk of Gestational Diabetes (GDM)  
Monique Hederson

201-S  Parity and Glycated Hemoglobin in Chinese Singaporean Women  
Noel Mueller

5:00 – 6:00 pm  
**Poster Session 2**  
Nicollet C/D

**Aging**

202  Pulse Wave Velocity and Cognitive Function among Older Adults  
Wenjun Zhong

203  Physical Disability is Associated with Higher Decline in Cognitive Function of Older Adults  
Kumar Rajan

204  Rethinking the Association of High Blood Pressure with Mortality in the Elderly Adults: The Impact of Frailty  
Michelle Odden

205-S  Long-Term Variability of Inflammatory Markers in a Population-Based Cohort  
Scott Nash

206-S  Association between History of Depression and Depressive Symptoms and Subsequent Change in Hippocampal Volume in a Prospective Cohort of Older Adults  
Martine Elbejjani

207  Relationship between Chronic Conditions and Disability in African Americans  
Roland Thorpe

208  Racial Disparities in Mobility Limitation in Middle-Aged Adults in the United States  
Roland Thorpe

209-S  Social and Behavioral Determinants of Allostatic Load in a Cohort of Older Danish Adults  
Christian Salazar

210  Social Connectedness and its Correlates in Adults  
Brianne Wood

211-S  Withdrawn

212-S  National Population Estimates and Correlates of Sexual Abuse of Older Adults  
Michael Cannell

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PharmacoePpi
213 Development and Validation of the Geriatric Comorbidity Score Using Administrative Claims Databases
Sarah-Gabrielle Beland
214 The Effect of Statins on Testosterone: A Meta-Analysis of Randomized Controlled Trials
CM Schooling

Behavioral
215 Fetal Growth and Adolescent Psychological Well-Being: Evidence from Hong Kong’s "Children of 1997" Birth Cohort
CM Schooling
216-S Factors Associated with Intention to Quit Smoking among Young Father Smokers in Taiwan
Yuan Jung Hsu
217 A Comparison of Smoking Prevalence among Foreign Born Cambodian Americans in Long Beach, CA and Lowell, MA
Robert Friis
218 Spatial Analysis of Cigarette Smoking among Cambodian Americans
Robert Friis
219 Characteristics of Pet Ownership in a Population-Based Cohort: The Coronary Artery Risk Development in Young Adults (CARDIA) Study
Pamela Schreiner
220-S Effects of State-Level Policies on Risk Behavior in Men Who Have Sex with Men
Erika Fuchs
221 Do Healthcare Workers Practice What They Preach?
Benjamin Helfand
222-S Light and Intermittent Smokers: Demographic, Topographical, and Typological Patterns
Carolyn Reyes-Guzman
223-S Characteristics of Older Adults with Depressive Symptoms
Jennifer Albrecht
224 Self-Reported Depression and Hospitalization for Depression in Utah Compared with the United States: 1979-2008
Ray Merrill

Birth Defects
225 Twinning and Birth Defects
April Dawson
226 Prenatal Nitrate Intake from Drinking Water and Selected Birth Defects in Offspring
Jean Brender
227-S Prenatal Exposure to Nitrosatable Drugs, Vitamin C, and Risk of Selected Birth Defects
Mayura Shinde
228 Risk Factors for Primary Congenital Hydrocephalus - A Nationwide Cohort Study
Jan Wohlfahrt
229 Familial Aggregation of Congenital Hydrocephalus in a Nationwide Cohort
Jan Wohlfahrt
230-S Congenital Anomalies of Newborns and Associated Maternal Risk Factors in Latvia
Irisa Zile
231 Association between Previous Fetal Loss and Birth Defects, National Birth Defects Prevention Study (NBDDS), 1997-2007
Kara Polen
232-S Impact of Folic Acid Fortification and Termination of Pregnancy on the Global Birth Prevalence of Spina Bifida
Amy Metcalfe
233 Anorectal Malformations and Pregnancy-Related Disorders: a Registry-Based Case-Control Study in 17 European Regions
Nel Roeleveld
234-S Tricuspid Atresia: An Epidemiologic Investigation of Live-Born Cases in the Baltimore-Washington Area
Scott Kelly

Cancer
235-S Sexual Circumstances and Prostate Cancer Risk in Montréal, Canada
Andrea Spence
236 Maternal Pre-Pregnancy Body Mass Index and Childhood Cancer
Susan Puimala
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<td>Brian Cox</td>
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<td>Jeffrey Chang</td>
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<td>Anya Burton</td>
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<td>Jiachen Zhou</td>
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**CARDIOVASCULAR**

| 250 | Serum Magnesium, Phosphorous, and Calcium and Risk of Incident Heart Failure: The Atherosclerosis Risk in Communities (ARIC) Study |
| Pamela Lutsey |
| 251-S | Race and Income May Modify Associations between Kidney Disease and Bone Mineral Metabolism Disorder |
| Laura Plantinga |
| 252-S | The Effect of the Smoke-Free Ordinance on Acute Myocardial Infarction in South Carolina |
| Kelly Johnson |
| 253 | Duration of First Pregnancy Predicts Maternal Cardiovascular Death, Whether Delivery was Medically Indicated or Spontaneous |
| Janet Rich-Edwards |
| 254 | Income and Heart Disease Mortality Trends in Sao Paulo, Brazil, 1996 to 2010 |
| Paulo Lotufo |
| 255-S | Depressive Symptom Persistence, Medication Use, and Stroke Risk |
| Paola Gilsanz |
| 256-S | Food Insecurity, Fat Intake, and Dyslipidemia: The Survey of the Health of Wisconsin (SHOW), 2008-2010 |
| Jung-Im Shin |
| 257 | The Origins and Lasting Influence of the Framingham Heart Disease Study |
| Gerald Oppenheimer |
| 258-S | Risk Factors for Ischemic Stroke among South Asians Compared to Other Racial/Ethnic Groups |
| Tefera Gezmu |
| 259-S | Are Levels of Hypercholesterolemia and Triglyceride Associated with Gender in Predicting the Risk for the Different Subtypes of Stroke? |
| Tefera Gezmu |

**ENVIRONMENTAL**

| 260-S | Particulate Matter and Preterm Birth |
| Kristen Rappazzo |
| 261 | Components of Fine Particle Air Pollution and Hospitalizations for Respiratory Disease |
| Rena Jones |

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The "-S" designation indicates that the work was completed while the presenter was a student.
Secondary Pesticide Exposure is Associated with Head Circumference and Growth in Children
Jose Suarez-Lopez

Association between Exposure to Organophosphates and Age-Related Macular Degeneration: NHANES 1999-2004
Yutaka Aoki

Pesticide Use and Incident Diabetes among Women in the Agricultural Health Study
Anne Starling

Lead Toxicity and Moroccan Children's Intelligence
Fatima-Zahra Azzouii

Relationship between Chronic Exposition to Pesticides and School Achievements among Ivorian Children
Pakome K’ngo

Pesticide: Pollution and Health Risks in Morocco
Hinde Hami

Acyclovir and Repeated Herpes Simplex Virus Recurrence
Christina Ludema

Neonatal Sepsis in Asian Countries
Abdullah Al-Taiar

The Epidemiologic Profile of Pulmonary Tuberculosis in Kazakhstan, 2007 - 2010
Sabrina Hermosilla

Household Characteristics Associated with Rodent Presence and Leptospirosis Infection in Three Community Settings in Chile
Meghan Mason

Towards the Understanding of Small Scale Dispersal Dynamics of Urban Dengue
Henrik Salje

Using Epidemiological Methods to Evaluate Hepatitis B (HB) Vaccine Impact after 20 Years of Vaccination on the Colombian Amazon
Luz Angela Chocontá-Piraquive

The Incubation Period of Cholera: A Pooled Parametric Survival Analysis of Doubly Interval Censored Data
Andrew Azman

Clinical Outcomes of a Cohort of Hospital Patients with Healthcare-Associated Clostridium Difficile Infection
Eric Lofgren

TNF -308, TNF +252, TNF -238, TNF -376, IL1B, IL6, IL8, CCL1 and Infection by H1N1 Pandemic Virus in Mexican Population
Juan Manuel Mejia-Arangure

Quantifying the Underestimation of Mortality from the Pandemic Caused by the H1N1 Influenza Virus in Mexico
Juan Manuel Mejia-Arangure

Spatio-Temporal Prediction Modelling of Influenza in Alberta, Canada
Leah Martin

Intensity and Duration of Cigarette Smoking in Relation to Tuberculosis: Findings from the 2011 National Adult Tobacco Survey of Cambodia
Pramil Singh

Withdrawn

H. pylori Infection and Parasitic Co-Infections in Andean Children
Monica Sierra

Pediatric Measures in the PhenX Toolkit
Nedra Whitehead

Methodologies for Measuring Progress and Disparities in Healthy People 2010
Leda Gurley

Estimation of Interaction Effects Using Pooled Biospecimens
Michelle Danaher

The Table 2 Fallacy: Presenting and Interpreting Confounder and Modifier Coefficients
Daniel Westreich

Sentinel Schools to Describe 3rd Graders' Oral Health
MaiSee Moua

Address-Based Sampling in a Large Population-Based Survey: Lessons Learned
Andrew Bersch
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<td>The Identification of Restrictive Lung Disease in Taconite Miners</td>
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<td>Dietary Compensation in Randomized Nutrition Trials: Are We Observing a Nutrient Effect or a Compensation Effect?</td>
<td>Catherine Carpenter</td>
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<td>Using DAGs to Guide the Translation of Priors for Record-Level Analysis of Bias Due to Unmeasured Confounding</td>
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<td>Methodological Challenges in Assessing Changes in Incidence over Time: Results from a Meta-Analysis</td>
<td>Alexandra Frolkis</td>
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<td>Estimating Predicted Probabilities from Logistic Regression: Which Method to Choose?</td>
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<td>Improving Behavioral Interventions via the Multiphase Optimization Strategy</td>
<td>Kari Kugler</td>
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<td>Subjective versus Objective Measures of Sleep Duration in Older Americans</td>
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<td>Non-Collapsibility of Odds Ratios Measured from Marginal Structural Models and Logistic Regression Models</td>
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<td>Maral DerSarkissian</td>
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<td>Investigating Effect Modification and Interaction Using Multiply Robust Estimation</td>
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<td>Effect of the 2010 Chilean Great Earthquake on Posttraumatic Stress: An Analysis Using Multivariate Matching and Sensitivity Analysis</td>
<td>Jose Zubizarreta</td>
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**NUTRITION**

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<td>Dietary Patterns and Depression in the Nurses' Health Study</td>
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<td>Combined Lifestyle Factors and Chronic Disease Risk</td>
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<td>Self-Perceived Vegetarianism in the US: Prevalence and Socio-Demographic Characteristics</td>
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<td>Physical Activity during Pregnancy and Language Development in Offspring</td>
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<td>Factors Associated with Physical Activity in 12-17 Year Olds</td>
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<td>Leptin Levels are Associated with Knee Osteoarthritis</td>
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<td>Exploring Energy Balance among Postpartum Adolescents</td>
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<td>Comparison of Two Approaches to Handling BMI Measurement Bias in Growing Adolescents</td>
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<td>Assessment of Neighborhood Park Features for Youth Physical Activity</td>
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<td>Does Obesity Increase the Risk of Chronic Conditions among South African Adults? Findings from the South African National Income Dynamics Survey</td>
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<td>Frequency of Consumption of South and North Indian Food Preparations: A Preliminary Research to Assess Folate Intake of Selected Population</td>
<td>Lalitha Kilanathan</td>
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Poster Session 2

PREGNANCY

313-S Maternal Plasma Beta-Carotene, ICAM and VCAM Levels in Normal and Preeclamptic Pregnancies
Shu Qin Wei

314-S Vitamin D Receptor Gene Polymorphisms and Risk of Preeclampsia
Shu Qin Wei

315 Duration and Disruption of Sleep in Pregnancy and Risk of Stillbirth and Preterm Birth
Katrine Strandberg-Larsen

316 Weight Loss after Diagnosis with Gestational Diabetes and Birth Weight among Overweight and Obese Women
Jodie Katon

317 Periodontal Disease as a Potential Risk Factor for the Development of Diabetes in Women with a Prior History of Gestational Diabetes Mellitus
Xu Xiong

318 Race and Ethnic Disparities in Preterm Births in Infants Conceived by In Vitro Fertilization in the United States
Xu Xiong

319 Hepatocyte Growth Factor in Early Pregnancy and Risk of Gestational Diabetes
Michal Dishi-Galitzky

320 Sex of the First Born in Relation to the Risk of Stillbirth, Preterm Birth, Post-Term Birth, Placental Abruption, Preeclampsia and Eclampsia in the Subsequent Birth. A Study of 2.3 Million Second Births from Denmark, Finland, Norway and Sweden
Laust H Mortensen

321 Preterm Birth as a Predictor of Future Blood Pressure, Inflammation and Intimal Medial Thickness: The CARDIA Study
Janet Catov

322 Smoking Status by Self Reports May Distort the Associations of Maternal Smoking with Fetal Growth and Preeclampsia
Zhong-Cheng Luo

323-S Recurrence of Postpartum Hemorrhage: A Study of 538,244 Swedish Women
Kristin Palmstien

324 Cotinine in Newborn Dried Blood Spots as a Biomarker to Measure in Utero Tobacco Smoke Exposure at Delivery
Martin Kharrazi

325-S Maternal Birth Weight is Associated with Subsequent Early Pregnancy Vitamin D
Jon Huang

SOCIAL

326 Outcomes of Teenage Pregnancy among Arab-American Mothers
Imran Mahmud

327-S Correlates of Stress among Pregnant Hispanic Women
Marushka L. Silveira

328 Geographic Variations in All-Cause Mortality in Japan: Compositional or Contextual?
Etsuji Suzuki

329-S Geographic Disparity in Children’s Household Secondhand Smoke Exposure in Taiwan: A Multilevel Analysis
Fang-Yu Li

330-S Depression and Distress in Adults with Type 2 Diabetes: Does the Neighbourhood Environment Matter?
Genevieve Gariepy

331-S Social Capital and Insomnia: After the 3.11 Earthquake and Tsunami in Japan
Toru Tsuboya

332-S Effects of Dietary Pattern and Food Supply Environment around the School on Blood Lipids among Adolescents in Taiwan
Cheng-Jou Yu

333-S Disparities in Health Status and Care Access for Young Adult Sexual Minorities in the United States
Kelly Strutz

334 Individual and Community Socioeconomic Differences in Modern Contraceptive Use in 10 Newly Independent States
Teresa Janevic

335-S Neighborhood Psychosocial Hazards and Binge Drinking among Older Adults
Kara Rudolph
Thursday, June 28

Poster Session 2

336-S  
*Effects of Child and Adolescent Health on Educational Progress*
Felice Le

337-S  
*Do Health Benefits of Schooling Accrue in Childhood and Adolescence?*
Felice Le

338  
*Sociodemographic Variation in Measured Sleep Characteristics of Older Americans*
Lianne Kurina

339  
*Education and Health Revisited: Is the Relationship Causal?*
Ross Macmillan

340-S  
*School Income Inequality and Sexually Transmitted Infections in the United States*
Guy Harling

341  
*Social Networks of HIV-Positive Women of Color, Social Support and Medication Adherence*
Lynne Messer

342-S  
*Difference in Difference Estimates of the Effect of an Income Benefit Policy on Food Insecurity in Families with Young Children*
Raluca Ionescu

**SUBSTANCE ABUSE**

343-S  
*Recent Injury and Alcohol Use Behavior among Adolescent Athletes: Analysis of 2007 Youth Risk Behavior Survey Data*
Ginger Stringer

344  
*Trends in Light Smoking in New York City*
Ijeoma Mbamalu

345  
*Characteristics of Smokers Who Quit Following Comprehensive Tobacco Control Efforts in New York City*
Michael Johns

346-S  
*Discrete Patterns of Substance Use during Sex in Men who Have Sex with Men*
Craig Meyer

347-S  
*Impact of Work Stress and Job Satisfaction on Alcohol Consumption in High School Seniors: Moderating Effects of Academics, Parents, Peers, and Work Aspirations*
Xianfang Liu

348  
*Psychiatric Predictors of Marijuana Use Onset: Identifying Sensitive Periods of Influence*
Magdalena Cerda

349  
*Influence of Perceived Exposure to Smoking in Movies on Smoking Cessation Behaviors among Young Adults*
Kelvin Choi

350  
*Incorporating Dynamic Models into Epidemiologic Studies of Substance Use: An Example Relating Daily Drinking Measures to Depression*
Christina Mair

044-S  
*Factors Associated with Exclusionary Criteria in a Randomized Study of MSM Couples’ Versus Individual HIV Counseling and Testing*
Kristin Wall

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FRIDAY, 6/29/2012

7:30 – 8:30 am  Breakfast with the Experts 2 (by ticket only)

7:30 – 8:30 am  Continental Breakfast

8:30 – 10:00 am  Plenary Session 2

Nicollet A/B

John C Cassel Memorial Lecture

"Where Have You Gone, John Henry? Rising Social Inequalities and Health Disparities"

Sherman James, PhD, Duke University

Lilienfeld Prize Winner

"Revealing the Micro-scale Spatial Signature of Dengue Transmission and Immunity in an Urban Population"

Henrik Salje, Johns Hopkins Bloomberg School of Public Health

10:00 – 10:30 am  Break

10:30 am – 12:00 noon  Spotlight Session 3

FEMALE INFERTILITY: CAUSES AND CONSEQUENCES  Greenway D/E

Session Chair: Lauren Wise

351-S  Urinary Bisphenol A (BPA) Concentrations and Early Reproductive Health Outcomes in Women Undergoing In Vitro Fertilization (IVF)

Shelley Ehrlich

352  Impact of Vaginal Lubricants on Fecundability

Anne Steiner

353  Pregnancy after Treatment for Cervical Cancer Precursor Lesions

Sheila Weinmann

354  Body Size and Time-to-Pregnancy in the Black Women’s Health Study

Lauren Wise

355  Infertility and Risk of Gestational Diabetes Mellitus: A Prospective Analysis of 37,265 Births

Deirdre Tobias

HIV/AIDS IN RESOURCE LIMITED SETTINGS  Greenway F/G

Session Chair: Alan Lifson

356  Concurrent Sexual Partnerships and HIV Transmission – A Case-Only Approach for a Seemingly Intractable Problem

Kathleen Wirth

357-S  Spatial Dynamics of HIV-1 Infection in Rakai, Uganda

Mary Grabowski

358  Sequential Cox Models to Estimate the Effect of Antiretroviral Therapy on Time to AIDS or Death

Daniel Westreich

359  Immunologic Effects of Measles Infection among HIV-Positive Children and Adolescents in Botswana

Kathleen Wirth

360  A Comparison of Traditional and Competing Risks Approaches to Assess Programmatic Outcomes in an Observational HIV Treatment Cohort in South Africa

Matthew Fox

NUTRITIONAL EPIDEMIOLOGY  Greenway H/I

Session Chair: Marty Slattery

361  From Oceanography to Epidemiology—The Many Careers of Ancel Keys

Sarah Tracy

362  Maternal Pregnancy Glucose Levels and Adiposity in 11 y-Old Girls: The CYGNET Study

Ai Kubo

363-S  Associations between Kidney Disease and Low Vitamin D are Modified by Race and Income

Laura Plantinga

364-S  Oxidative Balance Score and the Risk of Incident Prostate Cancer in a Prospective U.S. Cohort Study

Sindhu Lakkur

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**RISK FACTORS FOR COGNITIVE AGING: UNCOVERING NEW CULPRITS AND SECOND-GUESSING USUAL SUSPECTS**

*Session Chair: Jennifer Weuve*

365-S

**Impact of Duration and Age at Onset of Hypertension on Cognition in Older Men**

Melinda Power

366

**Leptin, Central Obesity and Cognitive Decline among Older Mexican Americans: Longitudinal Results from the Sacramento Area Latino Study on Aging**

Adina Zeki Al Hazzouri

367

**Cystatin-C Predicts Risk of Dementia and Cognitive Decline in Older Mexican Americans**

Mary Haan

368-S

**Association of Midlife Occupation and Cognitive Performance: The Atherosclerosis Risk in Communities Study**

Mehul Patel

**STRESS AND SOCIAL CAUSATION: DO MECHANISTIC INSIGHTS CLARIFY THE PICTURE?**

*Session Chair: Lisa M Bates*

369

**Perceived Discrimination and Diurnal Cortisol Patterns among Blacks and Hispanics: The Multi-Ethnic Study of Atherosclerosis**

Anjum Hajat

370

**Withdrawn**

371

**Stress, Endogenous Sex Steroid Hormones, and Breast Cancer Risk in the Women’s Health Initiative (WHI)**

Candyce Kroenke

372

**Shortened Average Telomere Length in Children and Neighborhood Disorder: Connecting Community Level Stress and Cellular Response**

Katherine Theall

373

**Measuring Allostatic Load in a Nationally Representative Sample of Pregnant Women**

Edmond Shenassa

12:15 – 1:15 pm

**Brown-Bag Session: LIFE OF POST-DOCS AND JUNIOR FACULTY**

Greenway H/I

12:15 – 1:15 pm

**Roundtables 2 (tickets required)**

see ticket for location

1:30 – 3:00 pm

**Spotlight Session 4**

**CHILDHOOD ABUSE - UPSTREAM PREDICTOR OF ALTERED IMMUNE FUNCTION?**

*Session Chair: Bernard Harlow*

374

**Abuse in Childhood and Adolescence and Inflammation in Adult Women**

Elizabeth Bertone-Johnson

375

**Abuse Victimization and Risk of Uterine Leiomyomata in Black Women**

Lauren Wise

376-S

**Negative Psychosocial Experiences, Childhood Victimization, and Risk of Adult-Onset Vulvodynia**

Maheruh Khandker

377-S

**Child Abuse History and Food Addiction in Women**

Susan Mason

**LATEBREAKER 1**

*Session Chair: Polly Marchbanks*

L01 1:30 **Waist Circumference and Endothelial Function in Police Officers**

Penelope Baughman

L02 1:40 **Ecuadorian Cut-Flower Industry: Environmental Assessment of Residential Pesticide Exposure**

A Handal

L03 1:50 **Ambient Air Pollution and Autism Risk in Los Angeles County, CA**

Beate Ritz

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Friday, June 29

Spotlight Session 3

L04  2:00  Childhood Infection and Adult Height in Monozygotic Twin Pairs
      Amie Hwang

L05  2:10  A Comparison between Late-Preterm and Full-Term Births on Breastfeeding and Maternal Psychosocial Health Status at 4-Months Postpartum: Findings from a Community-Based Prospective Study
      Sheila McDonald

L06  2:20  Prospective Evaluation of Baseline Serum Sarcosine and Risk of Incident Prostate Cancer in the Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial
      Stella Koutros

L07  2:30  The Effects of Soy Consumption before Diagnosis on Breast Cancer Survival: The Multiethnic Cohort Study
      Sheila McDonald

L08  2:40  Protection Versus Risk of Psoriasis with Use of Crohn's Disease Biologic Agents: An Analysis of the FDA Adverse Event Reporting System (AERS)
      Kevin Kip

MEASURES OF SOCIOECONOMIC STATUS AND HEALTH INEQUALITY  
Session Chair: Yutaka Yasui

378-S  Do Economic Recessions during Early Adulthood Have a Long-Lasting Effect on Late Life Health?
      Philipp Hessel

379  Inequalities in Prostate Cancer Survival: How Much Does SES Scale Matter?
      Geetanjali Datta

380  Relative Deprivation and Cause-Specific Mortality among Elderly Japanese: Roles of Psychosocial Strain and Health Behavior in its Pathways
      Naoki Kondo

381  Early Life Socioeconomic Status and Cognition in Old Age
      Bryan James

METHODODOLOGICAL ADVANCES FROM THE NEXT GENERATION OF EPIDEMIOLOGISTS: eMAC WEB MEETING AWARD WINNERS  
Session Chairs: Stella Aslibekyan and Abdulrahman El-Sayed

382-S  Targeted Maximum Likelihood Estimation for Direct and Indirect Effect Analysis in the COMBINE (Combining Medications and Behavioral Interventions for Alcoholism) Study
      Meenakshi Subbaraman

383-S  Prospective Study of Ultraviolet Radiation Exposure and Risk of Cancer in the U.S.
      Shih-Wen Lin

384-S  Multiply Robust Models for Disagreeing Collaborators
      Maral DerSarkissian

385-S  Type 2 Diabetes, Risk of Dementia and Cognitive Impairment without Dementia, and the Competing Risk of Mortality in Older Mexican Americans
      Elizabeth Rose Mayeda

Discussant
      Charles Poole

THE EPIDEMIOLOGY OF BREAST CANCER  
Session Chair: Noel Weiss

386-S  Long-Term Statin Use and Breast Cancer
      Jean McDougall

387-S  Does Progestin Attenuate the Increased Risk of Ovarian Cancer Associated with Unopposed Estrogen Menopausal Hormone Therapy?
      Britton Trabert

388  Preeclampsia and Pregnancy-Related Hypertension and the Risk of Breast Cancer
      Lisa A. DeRoo

389  Microchimerism and Cancer of the Breast and Colon
      Mads Kamper-Jørgensen

3:00 – 3:30 pm  
Break
**Symposia 2**

3:30 – 5:00 pm  

**390 Advances in Nutrition and Chronic Disease: Interactions among Diet, Lifestyle, and Genetic Factors**  
Session Chair: Mark A Pereira  
Greenway D/E

- Is There an Optimal Dietary Pattern? Findings from the Iowa Women’s Health Study  
  David R Jacobs, Jr  
- Interactions among Dietary Patterns and other Lifestyle Factors in the Prediction of Chronic Diseases in the Singapore Chinese Health Study  
  Andrew O Odegaard  
- Can Genome-Wide Association Studies be Used to Excavate Nutrition x Gene Interactions?  
  Mark A Pereira  

Incorporating Systems Biology into Observational and Experimental Studies to Understand Nutrition x Gene Interactions  
Simin Liu

**391 Effect Decomposition: The Lost Epidemiologic Analysis**  
Session Chair: Chanelle J Howe and Whitney Robinson  
Greenway F/G

Rationale: Why Perform Effect Decomposition  
Chanelle J Howe  
Methods for Effect Decomposition: Application to Perinatal Mortality  
Tyler J VanderWeele  
Caveats and Considerations  
Jay S Kaufman

**392 Measuring Challenging Populations: Is There a Need for Methodological Innovation?**  
Session Chair: Justin Lessler and Sufia Dadhabai  
Greenway B/C

- At the Border: Challenges in Conducting Epidemiological Studies in Tijuana, Mexico  
  Kimberly Brouwer  
- Methods for Measuring Populations in Humanitarian Crises  
  Gregg Greenough  
- More than a Dance: The Measurement of the HIV Risk Environment of Exotic Dance Clubs  
  Susan Sherman

**393 The Changing Face of Epidemiology: “Big Epidemiology” to “Colossal Epidemiology”: When All Eggs Are in One Basket**  
Session Chair: Miguel Hernán and David Savitz  
Nicollet A/B

SENTINEL  
Richard Platt  
CHARGE  
Bruce Psaty  
IoDEA  
Carlie Williams

**394 The Use of a Complex Systems Approach in Epidemiologic Research: If and When it’s Worth it**  
Session Chair: Geetanjali Datta  
Greenway H/I

An Agent-Based Model to Explore Why Restaurant Nutrition Labeling Falls Short of its Intended Effects  
Amy H Auchincloss  
A Complex Systems Approach to Health Behavior  
Mark G Orr
**Agent-Based and Actor-Based Models of Social Networks and Peer Influence: Worth the Trouble?**
David A Shoham

**Discussant**
Sandro Galea

5:00 – 6:00 pm

**Poster Session 3**

**Biomarkers**

395-S  **Hematological Parameters and Metabolic Syndrome: Findings from an Occupational Cohort in Ethiopia**
Kelsey Nebeck

396  **Validation of a Caffeine Questionnaire with Salivary Biomarkers**
Christina Porucznik

397-S  **Moved to Spotlight Session 5**

398-S  **Association between Lifestyle Factors and Serum C-Reaction Protein Concentrations by Body Mass Index**
Elizabeth Kantor

399  **Biomonitoring of Urinary Toxic Heavy Metals for Hobbyist of Hot Springs**
I Fang Mao

400  **Health and Quality of Life (QOL) in Never Smokers with Lung Adenocarcinoma by Tumor ALK Positivity**
Ping Yang

401-S  **High Dietary Intake of Long-Chain n-3 Fatty Acids of Marine Origin May Lower Circulating Concentrations of Inflammatory Biomarker C-Reactive Protein in the Nunavik Inuit Adults**
Françoise Proust

402  **Intra-Individual Variability of One-Carbon Metabolism Biomarkers**
Elizabeth Cope

403-S  **Body Mass Index and Arsenic Metabolism Biomarkers in the Strong Heart Study: An Application of Generalized Gamma Regression**
Matthew O Griamble

**Cancer**

404  **Chrysotile Asbestos Exposure and Upper Respiratory Cancers: Is There an Association?**
Meg McKinley

405-S  **Use of Interactive Voice Response Systems to Improve Colorectal Cancer Screening**
Hannah Cohen-Cline

406  **Disparities in Cancer Screening and Death Rates**
David T Huang

407-S  **The Association between Invasive Breast Cancer Risk and Inflammation Gene Polymorphisms in the California Teachers Study**
Leona Bessonova

408-S  **Comparison of Sleep Duration between Cancer Survivors and Cancer-Free Individuals: Findings from NHANES Study**
Alyssa Troeschel

409-S  **Physical Activity and Sedentary Behavior in Cancer Survivors: Findings from NHANES**
Allison Phillips

410-S  **Association between Meat and Fish Consumption and Cooking Method and Esophageal Squamous Cell Carcinoma**
Asieh Golozar

411  **Environmental and Genetic Risk Factors for Childhood Acute Lymphoblastic Leukemia in Egypt**
Sameera Ezzat

412  **Advanced Glycation End Products, Soluble Receptor for Advanced Glycation End Products and Risk of Liver Cancer**
Kristin A. Moy

413-S  **Variation in TLR-NFkB Pathway Genes and Risk of Breast Cancer**
Alexa Resler

414-S  **The Influence of Human Papillomaviruses on the Relationship between Oral Health Indicators and Head and Neck Cancer**
Nada J Farsi

415  **Helicobacter Pylori Infection and Liver Cancer Mortality in 67 Rural Chinese Counties**
Jianjun Zhang
Friday, June 29

416  Posttraumatic Growth and Physical Activity among Hispanic and Non-Hispanic White Long-Term Breast Cancer Survivors
Dongyan Yang

417-S  Short-Term Outcomes Following Malignant Bowel Obstruction
Stephen Mooney

418  Comparison of Breast and Cervical Cancer Screening among Rural and Urban Hispanic and American Indian Women in the U.S. Southwest
Tomas Núñez

CARDIOVASCULAR

419  Heart Rate Variability and Inflammatory Markers in Urban Police Officers
Anna Mnatsakanova

420-S  Disparities in Multiple Risk Factors for Heart Disease and Stroke in the Mississippi Delta
Vincent Mendy

421-S  Balance as a Risk Factor for Stroke Symptoms in Community-Dwelling Adults in Da Nang, Viet Nam
Tian Xia

422-S  Gait Speed and Stroke Symptoms in Adults in Da Nang, Viet Nam
Onome Uwhuba

423-S  Associations of Chronic Stress and Stroke Symptoms in Da Nang, Viet Nam
Diana Trinh

424  The Relationship between Chronic Stress and Coronary Heart Disease and Hypertension in Da Nang, Vietnam
Sarita Sharp

425-S  Prevalence of Hypertension and Diabetes among Ethiopian Adults
Lemba Nshiiso

426  Association of Self-Reported and Objectively Measured Sleep Duration with Carotid Artery Intima-Media Thickness among Police Officers
Claudia Ma

427  Midday Naps and the Risk of Coronary Artery Disease. Results of the Heinz Nixdorf Recall Study
Andreas Stang

428-S  Usual Sodium Intake among Preschool Children, United States 2001 – 2008
Niu Tian

429  Alanine Transaminase has Opposite Associations with Death from Diabetes and Ischemic Heart Disease in NHANES III
CM Schooling

430-S  Global Burden of Metabolic Risk Factor of Chronic Diseases Collaborating Group (Mediated Effect of Adiposity)
Yuan Lu

431  Pet Ownership and Factors Associated with Cardiovascular Health: The Coronary Artery Risk Development in Young Adults (CARDIA) Study
Pamela Schreiner

DIABETES

432-S  The Association of Serum Cotinine Level and Diabetes in Never Smokers
Omayma Alshaarawy

433-S  The Association between Persistent Organic Pollutants (POPs) and Diabetes in Epidemiological Studies
Kyla Taylor

434-S  The Effect of Metabolic Markers on Insulin Resistance among Obese Adolescents in Taiwan
Chia-Lin Chang

435  Diabetes and Income Inequality among Manitoba, Canada, First Nations Adults
Brenda Elias

436  Mortality among People Differentially Classified for Diabetes Using A1C, Fasting Glucose, and 2-hour Glucose
Andy Menke

437  Final Assessment of Healthy People 2010 Diabetes Objectives and Looking Forward to the Next Decade
Lesley Dobrzynski

438  Novel Risk Factors and the Prediction of Type 2 Diabetes in the Atherosclerosis Risk in Communities (ARIC) Study
Laura Raynor

439  Sleep Patterns and Type 2 Diabetes: Findings from the Millennium Cohort Study
Amber Seelig

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Friday, June 29

440 Serum Retinol and Carotenoids in Association with Biomarkers of Insulin Resistance among Healthy, Premenopausal Women: The BioCycle Study
Edwina Yeung

441-S Wrist Breadth as a Marker of Insulin Resistance in Youth
Noel Mueller

442-S Measuring Concurrent Adherence for Oral Hypoglycemic Agents and Antidepressants and the Association with Clinical Outcomes
Heather de Vries

443-S Sleep and Diabetes Status: Evidence from NHANES
Joseph Engeda

444-S Low and High Glycated Hemoglobin Predicts Mortality in Chinese without Known Diabetes
Michael Bancks

ETHICS

445 Measuring the Normative: Health Disparities
Andrew Ward

446 ExxonMobil’s Health Research Ethics Program: The First Decade (2002-2012)
Karlene Lavelle

GENETICS

447 Genetic Variation in Fatty Acid Elongases Is Not Associated with Cardiovascular Risk
Stella Aslibekyan

448 Drug-Gene Interactions and the Search for Missing Heritability: A Cross-Sectional Pharmacogenomics Study of the QT Interval
Christy Avery

449-S Using Multiple Measures in Genetic Association Analyses
Adrienne Tin

450-S Polymorphisms in Metabolism Genes May Mediate the Association of Dietary Intake on Pancreatic Cancer Risk
Rick Jansen

451 A Genome-Wide Association Study for Venous Thromboembolism
Weihong Tang

METHODS

452 Time Changes, So Do People: Reflections on Age-Period-Cohort Analyses by Distinguishing the Concept of Time in Terms of Composition and Context
Etsuji Suzuki

453 A Question of Accuracy: Generational Differences in Responses
Alex Pinto

454 Modeling Surviving to Discharge from a Neonatal Unit: An Application of Competing Risks
Bradley Manktelow

455 Assessing Bias Associated with Geocoding of Historical Residence in Epidemiology Research
Daikwon Han

456-S Comparing Difference-in-Difference to Instrumental Variables Analyses
Raluca Ionescu-Ittu

457-S Use of Propensity Score Matching to Assess the Effect of a State Policy on Treatment Outcomes in U.S. HIV-Infected Persons
David B Hanna

458 Visual Acuity and the NEI VFQ
Adam Paulsen

459 Variations in and Uses of Life Expectancies Reported by United States Government Agencies
Steven Day

460-S Comparison of Causal Inference Techniques for Adjusting for the Healthy Worker Effect in Simulated Occupational Cohorts
Daniel Brown

461-S Using Tax Parcel Data to Compare Geocoding Accuracy of Urban and Non-urban Addresses in Wisconsin
Erin Bergman

462 Completeness and Accuracy of the Computerized Quebec BCG Vaccination Registry
Florence Conus

463 Development of a Case-Control Study of Pulmonary Arterial Hypertension in Women
Jessica Paulus

464 Comparison of Normal and Bernoulli Model of Spatial Scan Statistic to Detect Localized Disease Clusters
Dwi Agustian

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An Alternative Approach to Handling Missing Data in Self-Report Surveys
Jodi McKibben

Is Meta-Analysis Enough? Developing Methods for Identifying, Evaluating and Selecting Publicly Available Datasets for Targeted Community-Based Health Interventions
Kristin S Hoefl

When to Switch cART: Novel Methods for the Comparison of Switching Strategies Using Observational Data
Lauren Cain

Causal Pie Bingo! A Fun and Intuitive Introduction to Causal Models for Students of all Levels
Candice Johnson

Associations of Prenatal Maternal Smoking with Offspring Hyperactivity: Causal or Confounded?
Katherine Keyes

Posttraumatic Stress Disorder and Depression among US Military Health Care Professionals Deployed in Support of the Operations in Iraq and Afghanistan
Isabel Jacobson

Associations of Shift Work with Leptin, Insulin, and Adiponectin
Luenda Charles

Agricultural Exposures and Stroke Mortality in the Agricultural Health Study
Jessica Rinsky

Factors Associated with Participation in and Benefits of a Worksite Wellness Program
Ray Merrill

Presenteeism According to Healthy Behaviors, Physical Health, and Work Environment
Ray Merrill

Mortality Experience among Minnesota Taconite Miners
Elizabeth Allen

Occupational Injuries in the Metallurgical Industries in Morocco
Hinde Hami

B Reader Variability in Taconite Miners
Christine Lambert

Satheesh Devagupthapu

Work Stress and Alcohol Use in the Canadian Working Population
Arden Jones

Comparing Pulmonary Function Data in Flavorings Manufacturing Workers
Megan Jacobsen

Assessment of the Exposure-Response Relationship between Diacetyl and Respiratory Health Outcomes among Popcorn and Flavor Manufacturing Workers
Lauren Johns

Bias in Self-Reported Weight: Effects of Friends’ Characteristics
David Shoham

Household Financial Distress and Child Body Mass Index in a Longitudinal Survey Sample
Claire Margerison-Zilko

Associations between Education and Tobacco-Related Indicators by Race/Ethnicity, National Health Interview Survey, 2010
Claire Margerison-Zilko

Perceived and Self-Reported Race/Ethnicity in the Los Angeles Family and Neighborhood Survey (L.A.FANS)
Chandra Ford

Reducing Socioeconomic Inequalities in Health: The Role of Simulation Modeling in Evaluating Population Health Interventions
Brendan Smith

Development of a Measure of Neighborhood Contentedness
Michael Bazaco

Intervening to Reduce Obesity: An Agent-Based Modeling Approach to Assess the Efficacy of Network-Based Interventions
Abdulrahman El-Sayed
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<td>John Henryism and Hypertension Risk among Hispanics</td>
<td>Bernadette Boden-Albala</td>
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<td>491-S</td>
<td>A Typology of Neighborhoods and Blood Pressure in the RECORD Cohort Study</td>
<td>Andreea van Hulst</td>
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<td>Effect of Large Scale Business Developments on Neighborhood Collective Efficacy</td>
<td>Anthony Fabio</td>
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<td>493</td>
<td>Quality of Life in Men with Hemophilia</td>
<td>Azfar-e-Alam Siddiqi</td>
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<td>494</td>
<td>Does Neighborhood Collective Efficacy Change Over Time? The Boston Neighborhood Survey</td>
<td>Theresa Osypuk</td>
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<td>Alternative High School Credentials and Mortality: Is a GED Comparable to a High School Degree?</td>
<td>Sze Liu</td>
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<td>496</td>
<td>Economic Conditions and Health Behaviors during the Recent Economic Crisis</td>
<td>Arijit Nandi</td>
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<td>Importance of Different Accessibility Factors in Where Consumers in the U.S. Choose to Shop for Groceries, HealthStyles 2010</td>
<td>Shannon Grabich</td>
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<td>Evaluation of Social Vulnerability Indices in US Rural County Level Environmental Hazards</td>
<td>Shannon Grabich</td>
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<td>NEUROEPI</td>
<td>Clustering of Comorbid Pain Conditions with Vulvodynia</td>
<td>Ruby Nguyen</td>
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<td>Hearing Impairment in the United States and Norway</td>
<td>Howard J Hoffman</td>
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<td>Metabolic Genes and Blood Lead Concentrations in Jamaican Children with and without Autism Spectrum Disorders</td>
<td>Mohammad Rahbar</td>
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<td>501</td>
<td>Restless Legs Syndrome and Functional Limitations among American Elders in the Health and Retirement Study</td>
<td>Dominic Cirillo</td>
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<td>502</td>
<td>Maternal Periconceptional Folic Acid Intake and Risk for Developmental Delay and Autism Spectrum Disorder: A Case-Control Study</td>
<td>Rebecca J. Schmidt</td>
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<td>503</td>
<td>Recommendations for Optimal ICD Codes to Study Neurological Conditions: A Systematic Review</td>
<td>Christine St.Germaine-Smith</td>
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<td>In Utero Exposure to Selective Serotonin Reuptake Inhibitors (SSRIs) and Risk for Autism Spectrum Disorders (ASD)</td>
<td>Nicole Giday a</td>
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<tr>
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<td>Maternal Immune-Mediated Conditions in Association with Child Immune-Related Outcomes and Autism Spectrum Disorders</td>
<td>Kristen Lyall</td>
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<td>Maternal Dietary Fat and Fatty Acid Intake in Association with Autism Spectrum Disorders</td>
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<td>507-S</td>
<td>Maternal Vitamin D Status in Pregnancy and Child Cognition, Achievement, and Behavior</td>
<td>Sarah Keim</td>
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<td>Adaptation of the Mullen Scales of Early Learning to Benin Setting</td>
<td>Kobto Ghislain Koura</td>
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<td>509-S</td>
<td>Tardive Dyskinesia Incidence in a Non-Institutionalized Population and in Subgroups of Diabetics and Users of Metoclopramide</td>
<td>Paul Matiaco</td>
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<td>510-S</td>
<td>Prenatal Testosterone, Autism and Sibling Sex Ratios: Methods for a Valid Test of Joint Hypotheses</td>
<td>Keely Cheslack-Postava</td>
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<td>Joint Effects of Prenatal Stress and Family History on Risk of ADHD</td>
<td>Andrew Rowland</td>
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<td>512</td>
<td>Trends in ALS in Denmark: An Age-Period-Cohort Analysis</td>
<td>Ryan Seals</td>
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Jon Roesler |
| 515-S | Addressing Multicollinearity in the Prediction of Antiepileptic Drug Side Effects  
Jonathan Dykeman |
| 516-S | Measuring Depression in Epilepsy: A Systematic Review and Meta-Analysis  
Kirsten Fiest |

**PSYCHIATRIC**

| 517-S | Validity of Administrative Data for Identifying Depression – A Systematic Review  
Kirsten Fiest |
| 518 | Association between Asthma and Depressive Symptoms in the Coronary Artery Risk Development in Young Adults (CARDIA) Cohort  
Wendy Brunner |
| 519 | Longitudinal Associations between Types of Childhood Trauma and Suicidal Behavior in a Prospective Cohort Study  
Brandon Marshall |
| 520 | Combat Experiences and PTSD in a Military Sample: Results from a Classification by Expert Opinion  
Richard Herrell |
| 521 | General Hospital Suicide Risk Screening: Validation of the SAD PERSONS and its Implications  
Chi-Yi Wu |
| 522-S | Suicidal Thoughts among American Indian/Alaska Native Adolescents  
Katherine Hensel |
| 523 | Association between Depression and Pre-Diabetes  
Greta Kilmer |
| 524-S | Using Propensity Score Subclassification to Examine the Association between Neighborhood Disadvantage and Adolescent Mental Health  
Kara Rudolph |
| 525-S | Life Stress, Depression and Parenting Styles Associated with Suicidal Ideation among Elementary School Students in Taiwan  
Huei-Lan Lee |
| 526 | Risk of Delayed Diagnoses of Cancer among Clients of a Secondary Mental Healthcare Case Register in London, UK  
Chin-Kuo Chang |
| 527 | Cognitive Impairment and Mortality in Older Clients of a Secondary Mental Healthcare Case Register in London, UK  
Chin-Kuo Chang |
| 528-S | Predictors of Persistence of Attention Deficit Hyperactivity Disorder from Childhood to Midlife  
Jessica Agnew-Blais |
| 529-S | Prevalence of Depression and Anxiety among United States Adolescents: Role of Body Mass Index  
Sunita Shakya |
| 530-S | Estimates of Residual Depressive Symptoms in the Canadian Population  
Ryan Reyes |
| 531-S | A Latent Class Analysis to Empirically Examine Eating Disorders through Developmental Stages  
Sonja Swanson |
| 532 | Intimate Partner Violence against Adult Women and its Association with Major Depressive Disorder, Depressive Symptoms and Postpartum Depression: Systematic Review and Meta-Analysis  
Hind Beydoun |

**WOMEN’S HEALTH**

| 533 | Patterns of Use of Insulin-Sensitizing Agents among Women in the National Health and Nutrition Examination Surveys  
Hind Beydoun |
| 534-S | Immigrant Women and Maternal Mortality in Western Europe: A Meta-Analysis of Observational Studies  
Grete Skott Pedersen |
| 535 | Obesity and Sexual Functioning among Midlife Women  
Lisa Gallicchio |
| 536 | Race and Physical Functioning among Breast Cancer Survivors  
Lisa Gallicchio |
Women’s Health after Gestational Hypertension in Northern Finland Birth Cohort 1966  
Tuija Mannisto  

An Examination of the Role of Race/Ethnicity in the Link between Gestational Weight Gain and Hypertensive Disorders in Pregnancy  
Jihong Liu  

A Sustained Decline in Postmenopausal Hormone Use: Results from NHANES 1999-2010  
Brian Sprague  

Retinol Binding Protein 4 and the Risk of Gestational Diabetes  
Dejene Abetew  

Association of Early Menarche and Menstrual Characteristics with Adulthood Asthma among Reproductive Age Women  
Neway Fida  

Associations of Maternal Metabolic Genes with Placental Abruption  
Amy Moore  

Factors Associated with Chlamydia Positivity among Minnesota Females in the Infertility Prevention Project  
Jeffrey Misialek  

Pregnancy Complications and Ultrasound Measures of Cardiovascular Risk  
Emily Harville  

Inter- and Intra-Rater Reliability in the Diagnosis and Staging of Endometriosis  
Karen Schliep  

Alcohol and Unprotected Sex among Women: Implications from Day-Level, Month-Level, and Person-Level Associations  
Brian Weir  

Missing Data in a Mobile Phone Daily Diary Study of Adolescents  
Petra Sander

6:00 – 7:00 pm  
**SER Business Meeting**  
Greenway H/I

7:00 pm  
**Alumni Reunions** (check bulletin board for various locations)
Saturdays, 6/30/2012

8:00 – 9:00 am
SER Student Post-Doc Committee Member Business Meeting
Greenway J

8:30 – 10:00 am
Symposia 3

548
Complex Systems Dynamic Modeling Approaches to Population Health: Promise for a Cells-to-Society Analytic Approach?
Session Chair: George A Kaplan
An Agent-Based Model Linking Neighborhood, Social Network, Life Course, and Socioeconomic Factors to Disparities in Diet and BMI
George Kaplan
A Quasi-Theoretical Agent-Based Model of the Connections between Social and Health Inequalities
Michael Wolfson
Representing Socio-Economic and Health Behavior Differences in Large-scale Agent-Based Models
John Grefenstette
Sensing-Informed Computational Epidemiology
Nathaniel Osgood

549
Mendelian Randomization in Epidemiology: Methodological Challenges and Progress
Session Chair: Brandon Pierce and Maria Glymour
Implementation of the First Mendelian Randomization Study of Alcohol Use and Cardiovascular Disease: Issues and Solutions
Mary Schooling
Genetic Instrumental Variable with Polygenic Scoring from External Samples: Effects of BMI on Anxiety
Stefan Walter
Instrumental Variable Methodology for a Failure Time Outcome: An Application to Mendelian Randomization Studies
Eric J Tchetgen Tchetgen
What Is an Odds Ratio and Why Does It Matter in Mendelian Randomization?
Stephen Burgess

Discussant
Duncan Thomas

550
Teaching Epidemiologic Methods
Session Chair: Richard MacLehose
Teaching Directed Acyclic Graphs (DAGs): A Report from the Trenches
Penelope Howards
Experiences in Teaching Potential Outcomes to Epidemiology Students
Charles Poole
Teaching Biostatistics and Epidemiologic Methods - A Personal Perspective
David Kleinbaum

Discussant
George Maldonado

551
Toward an Epidemiology of Global Mental Health
Session Chair: Ezra Susser
Causes in Context. Complicating Causal Thinking in Global Mental Health
Sandro Galea
Integrating Mental Health into Primary Care: The Case of Chile
Graciela Rojas
Measuring Mental Health Disparities in an African Context: Epidemiological Challenges
Jonathan Burns

Discussant
Renato D Alarcon

The “-S” designation indicates that the work was completed while the presenter was a student.
Saturday, June 30

10:30 am – 12:00 noon  

**Spotlight Session 5**

**Cardiovascular Disease Epidemiology**  
Session Chair: Alvaro Alonso

552  
*A Prospective Study of Arsenic Exposure, Arsenic Methylation Capacity, and Risk of Cardiovascular Disease in Bangladesh*  
Fen Wu

553  
*Incident Ischemic Heart Disease and Occupational Exposure to Particulate Matter in Aluminum Manufacturing Workers*  
Sadie Costello

554-S  
*Daytime Sleepiness and Risk of Stroke and Vascular Disease: Findings from the Northern Manhattan Study*  
Eric Roberts

555  
*Dietary and Supplemental Calcium Intake and Cardiovascular Mortality*  
Qian Xiao

397-S  
*Troponin T, B type Natriuretic Peptide, C-reactive Protein and Cause-Specific Mortality: ARIC Study*  
Oludamilola Oluleye

**Genetic Epidemiology**  
Session Chair: Weihong Tang and Saonli Basu

556  
*Apolipoprotein E epsilon 4 allele Interacts with Gender and Cognitive Status to Influence All-Cause and Cause-specific Mortality among US Older Adults*  
May Beydoun

557  
*Is Genetic Risk for Earlier Age at Menarche Associated with Peri-Pubertal Body Mass Index?*  
Ellen Demerath

558  
*The Effect of TAS2R38 Haplotype on the Association between PROP Intensity and Taste Intensity*  
Mary Fischer

559  
*Applying Inverse Probability Weighting to Estimate Risk Ratios when Genotyping Data are Available in a Subset*  
Quaker Harmon

**Modern Analytic Approaches for Handling Complex Longitudinal Data**  
Session Chair: Darin Erickson

560  
*Using Latent Class Growth Analysis to Define Neighborhood Poverty Trajectories over 4 Decades in California*  
Catherine Cubbin

561-S  
*Transitions through Stages of Problem Drinking among Women with Mood and Anxiety Disorders: A Latent Transition Analysis*  
Lareina La Flair

562  
*Modeling Longitudinal Count Data with Excess Zeros in an Epidemiological Study*  
Resmi Gupta

563  
*An Alternative Approach for Fitting Models for Doubly-Clustered Hierarchical Data: An Application to Binary Longitudinal Measures of Medication Safety in Ambulatory Care Practices*  
Paul Nietert

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Saturday, June 30

**Spotlight Session 5**

**Latebreaker 2**

Session Chair: Polly Marchbanks

- **L09** 10:30  *Preterm Birth and Subsequent Risk of Type 2 Diabetes in Black Women*
  Tamarra James-Todd

- **L10** 10:40  *Disparities in Time to Hospitalization, Diagnosis, and Treatment for Acute Stroke in a Multi-ethnic Cohort*
  Tefera Gezmu

- **L11** 10:50  *Review of Studies of Long-Term Exposure to Ambient Air Pollutants and Risk of Stroke*
  Kirstin Huiber

- **L12** 11:00  *The Use of Distributed-Protocol Prospective Meta-Analysis of Observational Studies to Assess Adverse Drug Effects: Proton-Pump Inhibitors and the Risk of Hospitalization for Community-Acquired Pneumonia*
  Kristian Filion

- **L13** 11:10  *Cervical Cancer Screening: Before and after Introduction of the HPV Vaccine*
  Bertha Hidalgo

- **L14** 11:20  *Risk Factors and Outcomes Associated with Surgical Site Infections (SSI) after Craniotomy and Cranietomy (Crani)*
  Hsiu-yin Chiang

- **L15** 11:30  *Race/Ethnic Disparities in Pediatric Discharges from All US Community, Non-Rehabilitation Hospitals for Respiratory Syncytial Virus (RSV) among Children One Year of Age or Younger*
  Vanessa Perez

- **L16** 11:40  *Latent Effects of Low-Dose Aspirin on Cancer: Further Follow-up of the Women’s Health Study*
  Nancy Cook

12:00 noon  **Meeting Adjourned** - See you in Boston!
### ABSTRACT SCHEDULE

45th Annual SER Meeting **Minneapolis, Minnesota**

**June 27-30, 2012**

**Wednesday, June 27, 2012**

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**Thursday, June 28, 2012**

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<td>10:30 a.m. – 12noon</td>
<td>148-S – 169-S</td>
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<tr>
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<td>• <strong>CHILDHOOD RISK FACTORS FOR DIABETES AND OBESITY:</strong> LIFECOURSE APPROACHES (148-S-151-S)</td>
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<td>• <strong>HOW THE SOCIAL ENVIRONMENT SHAPES HEALTH</strong> (152-156-S)</td>
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<td>• <strong>INFLAMMATION DURING PREGNANCY AND PERINATAL OUTCOMES</strong> (157-160)</td>
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<td>• <strong>MATTERS (AND METHODS) OF LIFE AND DEATH: STUDIES OF MORTALITY</strong> (161-S-165)</td>
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<td>• <strong>VACCINES: EFFECTIVENESS, SEX AND POLITICS</strong> (166-S-169-S)</td>
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<td>• <strong>A CASE OF FRAUD: IMPLICATIONS FOR EPIDEMIOLOGIC RESEARCH</strong> (170)</td>
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<td>• <strong>BAYESIAN EPIDEMIOLOGY: IN PRACTICE</strong> (171)</td>
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<td>• <strong>FOODBORNE DISEASE EPIDEMIOLOGY: GROWING IMPORTANCE AND NEGLECTED OPPORTUNITIES</strong> (172)</td>
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<td>• <strong>MENODAUSAAL HORMONE THERAPY AND WOMEN’S HEALTH: FOR WHICH WOMEN ARE HORMONES ADVISABLE?</strong> (173)</td>
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<td>• <strong>METHODS FOR PREDICTION OF RISK: EXAMPLES FROM CVD EPIDEMIOLOGY</strong> (174)</td>
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<td>• <strong>SPILOVER EFFECTS IN EPIDEMIOLOGIC RESEARCH</strong> (175)</td>
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<td>• <strong>ACROSS THE CANCER CONTROL CONTINUUM: FROM PREVENTION TO SURVIVORSHIP</strong> (176-180)</td>
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<td>• <strong>BIAS CORRECTIONS IS NOT WHAT IT USED TO BE: SHOWCASING THE APPLICATION OF ALTERNATIVES TO CONVENTIONAL REGRESSION</strong> (181-S-185)</td>
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<td>• <strong>INJURY AND VIOLENCE PREVENTION: SURVEILLANCE THROUGH INTERVENTION</strong> (186-189)</td>
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<td>• <strong>NEIGHBORHOOD CONDITIONS AND ADOLESCENT HEALTH: ARE THE KIDS ALRIGHT?</strong> (190-193-S)</td>
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<td>• <strong>PERSISTENT ORGANIC POLLUTANTS</strong> (194-197-S)</td>
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<td>• <strong>PREGNANCY AND DIABETES RISK</strong> (198-S-201-S)</td>
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<td>5:00 – 6:00 p.m.</td>
<td>202-350</td>
<td>Poster Session 2</td>
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• Mendelian Randomization in Epidemiology: Methodological Challenges and Progress (549)
• Teaching Epidemiologic Methods (550)
• Toward an Epidemiology of Global Mental Health (551)

10:30 am – 12:00 noon  552-563  Spotlight Session 5
• Cardiovascular Disease Epidemiology (552-555)
• Genetic Epidemiology (556-559)
• Modern Analytic Approaches for Handling Complex Longitudinal Data (560-563)

L9 – L16  Latebreaker Session 2