

FINAL PROGRAM
45th Annual SER Meeting
June 27-30, 2012

WEDNESDAY, 6/27/2012

8:30 am – 12:30 pm	<p>Pre- Conference Workshops</p> <ul style="list-style-type: none"> • 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	<p>Pre-Conference Workshops</p> <ul style="list-style-type: none"> • 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	<p><i>Arterial Stiffness and Cognitive Decline among Black and White Elders: Findings from the Health, Aging and Body Composition Study</i> Adina Zeki Al Hazzouri</p>
002	<p><i>Further Exploration of the Early Mortality Exclusion to Control for Confounding by Pre-Existing Disease</i> Pramil Singh</p>
003-S	<p><i>Longitudinal Course of Behavioural and Psychological Symptoms of Dementia</i> Rianne van der Linde</p>
004	<p><i>Social Disorder, APOE-E4 Genotype, and Change in Cognitive Function among Older Adults</i> Carlos Mendes de Leon</p>
005	<p><i>A Prospective Study of Serum 25-Hydroxyvitamin D Levels and Mortality</i> Lisa Signorello</p>
006	<p><i>Burden of Chronic Disease: A Population-Based Study</i> Jennifer St. Sauver</p>
007	<p><i>Sensory Impairment and Quality of Life</i> Dayna Dalton</p>
008-S	<p><i>Cross-National Comparisons of Physical Performance versus Self-Reported Disability: Timed Walk in India and China</i> Benjamin Capistrant</p>
009-S	<p><i>Mobility, Disability, and Social Engagement in Older Adults</i> Andrea Rosso</p>
010-S	<p><i>Caregiver Health Related Quality of Life: Results from a National Sample</i> Joshua Kropko</p>

CANCER

011	<p><i>Risk of Cancer in Asian Americans</i> Arthur Klatsky</p>
012	<p><i>Data Quality (DQ) of Wisconsin Cancer Reporting System (WCRS) on Prostate Cancer (PC)</i> Alex Ho</p>
013	<p><i>Pre-Conception, Prenatal and Early Childhood Exposure to Medical Radiation in Children Diagnosed with Blood Cancers or Solid Tumors: Single Institution Study, 1990-2010</i> Robin Rohrer</p>
014-S	<p><i>Gene-Environment Effects of Alcohol and Related Metabolizing Genes on Onset Age, Risk and Survival of Cancer of the Oral Cavity</i> Yun-Ju Hung</p>
015	<p><i>Impact of HIV-Infected Cases on U.S. Anal Cancer Rates</i> Meredith Shiels</p>

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

- 016 *Cigarette Smoking and TP53 Gene Mutations in Bladder Cancer*
Claudine Samanic
- 017-S *Use of Non-Steroidal Anti-Inflammatory Drugs and Risk of Prostate Cancer in Montreal, Canada*
Jose Joao Mansure
- 018-S *Carcinogenic Effect of Betel-Quid Use on Anatomical Site and Histological Type of Aerodigestive Tract Cancers*
Hsu Chin Tu
- 019 *Dietary Fat and the Risk of Prostate Cancer in the NIH-AARP Diet and Health Study*
Colleen Pelsler
- 020 *Risk of Second Primary Cancers after Testicular Cancer in East and West Germany*
Carsten Rusner
- FEMALE CANCER**
- 021 *Risk of Second Breast Cancer According to Hormone Receptor Status in Germany*
Carsten Rusner
- 022 *Age-Period-Cohort Analysis of Invasive Breast Cancer Incidence in the United States, 1935-2008*
Ronald Gangnon
- 023-S *Penetrance of Breast and Ovarian Cancers in BRCA 1/2 Mutation Carriers in Korea: Using Proband's Phenotype Exclusion Likelihood (PEL) Method*
Choonghyun Ahn
- 024 *Perinatal Factors and Breast Cancer Risk among Hispanics*
Maureen Sanderson
- 025-S *Oral Contraceptive Use and Breast Cancer Risk Overall and by Molecular Subtype among Young Women*
Elisabeth Beaber
- 026-S *History of Prior Screening Mammography and Risk of Mastectomy among Women with Breast Cancer*
Keith Dookeran
- 027 *Interactions between Common Genetic Variants and Cigarette Smoking before First Pregnancy with Breast Cancer Risk in U.S. Radiologic Technologists*
Chu-Ling Yu
- 028 *Reproductive Factors Help to Explain Racial/Ethnic Disparities in Breast Cancer Aggressiveness*
Garth Rauscher
- 029-S *Baseline HPV-16 Viral Load as a Predictor of Infection Clearance and High-Grade Lesion Development among African Women*
Rachel Hanisch
- 030-S *Critical Windows of Susceptibility, Genetic Loci and Breast Cancer Risk*
Shaneda Andersen
- 031-S *Withdrawn*
- ENVIRONMENTAL**
- 032 *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*
Fen Wu
- 033 *Dust Storms and the Risk of Asthma Admissions to Hospitals in Arabian Peninsula*
Abdullah Al-Ta'iar
- 034-S *Association between Airborne PM_{2.5} Chemical Components and Birth Weight*
Keita Ebisu
- 035 *Population Determinants of Mercury Levels in Korean Adults: 2008-2009 Korean National Health and Nutrition Examination Survey*
Kyong Park and Seongbeom Cho
- 036-S *Smartphone Technology for Improving Air Pollution Exposure Estimates*
Mark Glasgow
- 037-S *Determining the Diurnal Patterns of Indoor Air Pollution in an Urban Community in Dhaka*
Henrik Salje
- 038-S *The Effect of Extreme Heat during Summer on Birth Weight among Term Babies in New York State, 1991-2006*
Aida Soim
- 039 *Environmental Quality and Infant Mortality*
Jyotsna Jagai

- 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
- 048 *Unequal Progress in Declining HIV Infection Death Rates by Socioeconomic Status in 26 States: 1993 - 2007*
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

- 062-S *Accounting for Misclassified Outcomes Using Multiple Imputation with Internal Validation Data*
Jessie Edwards
- 063 *Cigarette Smoking Questionnaires for Epidemiological Studies*
Zheng Sponsiello-Wang
- 064 *Correcting for Disease Misclassification in Case-Control Studies: Application to Cleft Lip/Palate and Maternal Cigarette Smoking Birth Certificate Study*
Anne Jurek
- 065 *Methods and Management: CVD Epidemiology and Science Administration at the National Institutes of Health*
Sejal Patel
- 066 *Withdrawn*
- 067 *Limitations of Communicating Risks with Summary Effect Measures*
Ian Shrier
- 068 *Clarifying the Use of Aggregated Exposures in Multilevel Models: Self-Included vs. Self-Excluded Measures*
Etsuji Suzuki
- 069 *Exposure Assessment Methods for Drinking Water Nitrate in the National Birth Defects Prevention Study*
Peter Weyer
- 070 *Method to Assess Multiple Classes of Environmental Chemicals and Liver Disease: NHANES 2003-2006*
Caroline Carr
- 071-S *Nesting Matters: A Comparison of Methods for Analyzing Non-Nested Clusters Using the SEER-Medicare Database*
Jennifer Lund
- 072 *Methods Used to Achieve a High Response to Cancer Prevention Study-II (CPS-II) Mailings*
Daniela Dudas
- 073 *Impact of Aging on Response to Cancer Prevention Study-II (CPS-II) Questionnaires*
Daniela Dudas
- 074 *A Counterfactual Approach to Bias and Modification*
Etsuji Suzuki
- 075 *Estimating Exposure Effects in Case-Control Studies from Randomly Pooled Biomarkers*
Neil Perkins
- 076 *Understanding and Estimating Causal Effects in Complex, Multi-Stage Survey Samples: A Causal Diagram Framework*
Kathleen Wirth
- 077-S *Evaluating the Use of Capture-Mark-Recapture for Determining the Number of Missing Articles in Systematic Reviews*
Jonathan Dykeman
- 078-S *The Role of Recursive Partitioning in Item Reduction during Development of an Evidence-Based Checklist*
Jonathan Dykeman
- NUTRITION**
- 079-S *Beverage Intake Patterns among Southern Arizona and Sonora, Mexico Residents*
Jason Roberge
- 080-S *Lifetime Physical Activity and Global DNA Methylation in the NIEHS Sister Study*
Alexandra White
- 081 *Usual Dietary Isoflavone Intake is Associated with Decreased C-Reactive Protein Concentrations among Healthy Premenopausal Women*
Amanda Filiberto
- 082 *Adherence to the Mediterranean Diet and Body Fat in Premenopausal Women: The BioCycle Study*
Nansi Boghossian
- 083-S *Effects of Taiwan Style Fructose-Rich Beverages Intake on Serum Uric Acid and Body Mass Index in Adolescents*
Wei Ting Lin
- 084 *Withdrawn*
- 085-S *Physical Activity during Pregnancy and its Association with Gestational Weight Gain among South Carolina Mothers*
Shericka Harris
- 086 *Physical Activity and Hypertensive Disorders of Pregnancy among British Women*
Jihong Liu

- 087 *Body Mass Index at Age 21 in Relation to All-Cause Mortality among Black and White Adults*
Sarah Cohen
- 088 *Healthy People 2020 Physical Activity Objectives: Children and Adolescents*
Asel Ryskulova
- 089 *Relationship between the Body Adiposity Index and Body Mass Index among Asian Immigrant Women*
Madhav Bhatta
- 090-S *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
- 091-S *Latent Class Analysis of Food Shopping Behaviors and the Relationship with Food Consumption*
Nicole VanKim
- SCREENING**
- 092-S *Increased Risk of IgA Nephropathy among Individuals with Celiac Disease*
Adina Welander
- 093 *Association between Smoking Status and Free, Total, and Percent Free Prostate-Specific Antigen*
Jun Li
- 094-S *Prevalence of Celiac Disease in the United States: Preliminary Results from NHANES 2009-2010*
Daniel DiGiacomo
- 095-S *Pap Test Awareness and Involvement by Hmong American Women in La Crosse, Wisconsin*
Jing Sun
- PREGNANCY**
- 096-S *Physical Activity during Early Pregnancy and Infant Birth Size*
Megan Slater
- 097 *Maternal Vitamin D Status is Associated with Fetal Size in a Large US Cohort*
Alison Gernand
- 098-S *Predictors of Perception of Pregnancy Risk among Nulliparous Women*
Hamideh Bayrampour
- 099 *Rates of Vaccination Occurring during Pregnancy*
Allison Naleway
- 100 *Placental Abruption is Associated with Maternal Sleep Duration and Complaints of Vital Exhaustion during Pregnancy*
Chunfang Qiu
- 101 *Maternal Sleep Duration in Early Pregnancy is Associated with Pregnancy Weight Gain*
Ihunaya Frederick
- 102 *Correlates of Short and Long Sleep Duration during Early Pregnancy*
Chunfang Qiu
- 103-S *Combined Effects of Pre-Pregnancy Body Mass Index and Weight Gain during Pregnancy on the Risk of Infant Death*
Regina Davis
- 104-S *Characteristics of Women Who Continue to Consume Alcohol during Pregnancy*
Sheila W McDonald
- 105-S *Impact of Prenatal Work on Breastfeeding Intention and Initiation*
Laura Attanasio
- 106 *Interaction of Maternal Smoking during Pregnancy and Fetal Growth and its Effects on Childhood Growth*
Kohta Suzuki
- 107-S *A Study on the Timing of Anxiety and Depression Diagnosis and Hypertensive in Pregnancy*
Sheena Cretella
- HEALTH SERVICES**
- 108 *Disparities in Potentially Avoidable Hospital Admissions*
Pamela Jo Johnson
- 109 *Cultural Context, Healthcare Utilization, and CAM Use*
Pamela Jo Johnson
- 110 *Trends in Obstetric Care and the Role of Health Insurance, 2002-2009*
Katy Kozhimannil
- 111 *Dental Care among Young Adults with Intellectual Disability: Metropolitan Atlanta Developmental Disabilities Follow-Up Study*
Vijaya Kancherla
- 112 *Health Literacy and Urbanicity in the 2008 Survey of the Health of Wisconsin (SHOW)*
Matthew Walsh

- 113 *Utilization of Prostate Cancer Screening in Persons with Different Dietary Patterns. The Adventist Health Study-2*
Yermek Ibrayev
- 114 *Utilization of Colorectal Cancer Screening in Persons with Different Dietary Patterns. The Adventist Health Study-2*
Yermek Ibrayev
- 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 Caesarian 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 Bordelois
- 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

- 135 *Comparison of Bilirubin-Induced Neurologic Dysfunction (BIND) Scores in Jaundiced Nigerian Infants by Resident and Consultant Pediatricians*
Frank Groves
- 136 *Neonatal Mortality Rate in the Last 25 Years Due to Congenital Heart Disease (CHD)*
Jagjit Teji
- REPRODUCTIVE**
- 137 *Multiple Births Occur More Commonly in the Northern USA*
Jagjit Teji
- 138 *State-Wide Birth Cohort Study of Measured and Modeled Air Pollution and Fetal Growth*
Lisa Vinikoor-Imler
- 139-S *Quantile Regression Models of Factors Associated with Menstrual Cycle Length during the Menopausal Transition in the Study of Women's Health across the Nation (SWAN)*
Pangaja Paramsothy
- 140 *Pregnant Oral Contraceptive Use in Relation to Fetal Growth*
Elizabeth Hatch
- 141-S *Prenatal Exposure to CNS-Acting Drugs and Childhood Neurodevelopmental Outcomes*
Kristen Hahn
- 142 *Night and Rotating Shift Work in Relation to Hormones across the Menstrual Cycle*
Pauline Mendola
- 143-S *International Differences in Age at Onset of Adrenarche: A Migrant Study of Bangladeshi Girls to the UK*
Lauren Houghton
- 144 *Is Causal Inference in Studies of Very Preterm Babies Possible?*
Olga Basso
- 145 *Is Increased Perinatal Mortality for the Second Twin Related to Assisted Reproductive Techniques? A Population Based Cohort Study from Norway, 1988-2008*
Kari Klungsoyr
- 146 *Contraceptive Use Patterns in the 2008-2010 Survey of the Health of Wisconsin (SHOW)*
Christine McWilliams
- 147-S *Length of Human Gestation and its Natural Variation*
Anne Marie Jukic

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, <i>FHI</i>	Nicollet A/B
	Presidential Address Polly A Marchbanks, PhD, <i>Centers for Disease Control and Prevention</i>	
	Guest Speaker "The World Was Our Laboratory: Origins and Early Evolution of Cardiovascular Disease Epidemiology" Henry Blackburn, MD, <i>University of Minneapolis</i>	
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	<i>BMI Trajectories in Minnesota: An Analysis of a 35-Year Birth Cohort</i> Katherine Andrade	
149-S	<i>Lifecourse Socioeconomic Position, Race and Prevalence of Diabetes among US Women and Men</i> Tabassum Insaf	
150-S	<i>Mendelian Randomization Study of the Association of Age at Menarche and Type 2 Diabetes</i> Jill Dreyfus	
151-S	<i>Children's Self-Regulatory Capacity and Later Weight Status</i> Madeleine deBlois	
	HOW THE SOCIAL ENVIRONMENT SHAPES HEALTH Session Chair: Jennifer Ahern	Nicollet A/B
152	<i>Racial Discrimination and Telomeric Aging among African American Midlife Men</i> David H Chae	
153	<i>Association between Socioeconomic Status, Health Behaviors and All-Cause Mortality in the United States</i> Arijit Nandi	
154	<i>Latino Health Paradox or Healthy Immigrant Phenomenon? Adult Morbidity in the Integrated Health Interview Series, 2000-2009</i> Ross Macmillan	
155	<i>Simulating Counterfactuals: Neighborhood Interventions to Reduce Disparities in Violence and Psychopathology</i> Magdalena Cerda	
156-S	<i>Social Exclusion and Post-Traumatic Stress Disorder in Post-Conflict Liberia</i> Abdulrahman El-Sayed	
	INFLAMMATION DURING PREGNANCY AND PERINATAL OUTCOMES Session Chair: Ruby Nguyen	Greenway F/G
157	<i>The Association between 25-Hydroxyvitamin D and C-Reactive Protein Concentrations in Pregnant Mothers</i> Lisa Bodnar	
158-S	<i>Polymorphisms in Genes Associated with Natural Killer Cells are Associated with Preterm Birth</i> Quaker Harmon	
159	<i>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?</i> Chunshen Wu	
160	<i>Gene-Environment Interactions as Explanation for Genetic Non-Replication in the Etiology of Hypospadias</i> Nel Roeleveld	

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

Greenway H/I

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

Greenway B/C

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

David Savitz

Discussants

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

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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

- 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** Greenway F/G
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?** Greenway A
Session Chair: Britton Trabert
- JoAnn E Manson
James V Lacey, Jr
Susan Reed
- 174 **METHODS FOR PREDICTION OF RISK: EXAMPLES FROM CVD EPIDEMIOLOGY** Greenway H/I
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 **SPILLOVER EFFECTS IN EPIDEMIOLOGIC RESEARCH** Greenway B/C
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**

3:30 – 5:00 pm

Spotlight Session 2

ACROSS THE CANCER CONTROL CONTINUUM: FROM PREVENTION TO SURVIVORSHIP

Greenway A

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

Nicollet A/B

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

Greenway B/C

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?

Greenway D/E

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

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

192	<i>Effects of Housing Mobility and Lower Poverty Neighborhoods on Adolescent Asthma: The Moving to Opportunity Experiment</i> Theresa Osypuk	
193-S	<i>Collective Efficacy and Community Violence: What is the Direction of Association?</i> Abdulrahman El-Sayed	
	PERSISTENT ORGANIC POLLUTANTS Session Chair: Bruce Alexander	Greenway F/G
194	<i>Association of Serum Dioxin-Like Compounds with Serum Lipids in Russian Boys</i> Jane Burns	
195	<i>Longitudinal Assessment of Changes between Serum Perfluorooctanoate, Perfluorooctanesulfonate, and Serum Lipids</i> John Butenhoff	
196	<i>Trends in Blood Lipids and Declining PFOA from Environmental Exposure</i> Tony Fletcher	
197-S	<i>Perfluoroalkyl Chemicals and Prediabetes in US Adults</i> Omayma Alshaarawy	
	PREGNANCY AND DIABETES RISK Session Chair: Jim Pankow	Greenway H/I
198-S	<i>Pre-Pregnancy Nut and Peanut Butter Consumption and the Risk of Gestational Diabetes Mellitus</i> Wei Bao	
199-S	<i>Medical History of Depression and Risk for Gestational Diabetes-Findings from a Large Population-Based Cohort in the US</i> Katherine Bowers	
200	<i>Prepregnancy Adiponectin Levels and Risk of Gestational Diabetes (GDM)</i> Monique Hedderson	
201-S	<i>Parity and Glycated Hemoglobin in Chinese Singaporean Women</i> Noel Mueller	
5:00 – 6:00 pm	Poster Session 2	Nicollet C/D
	AGING	
202	<i>Pulse Wave Velocity and Cognitive Function among Older Adults</i> Wenjun Zhong	
203	<i>Physical Disability is Associated with Higher Decline in Cognitive Function of Older Adults</i> Kumar Rajan	
204	<i>Rethinking the Association of High Blood Pressure with Mortality in the Elderly Adults: The Impact of Frailty</i> Michelle Odden	
205-S	<i>Long-Term Variability of Inflammatory Markers in a Population-Based Cohort</i> Scott Nash	
206-S	<i>Association between History of Depression and Depressive Symptoms and Subsequent Change in Hippocampal Volume in a Prospective Cohort of Older Adults</i> Martine Elbejjani	
207	<i>Relationship between Chronic Conditions and Disability in African Americans</i> Roland Thorpe	
208	<i>Racial Disparities in Mobility Limitation in Middle-Aged Adults in the United States</i> Roland Thorpe	
209-S	<i>Social and Behavioral Determinants of Allostatic Load in a Cohort of Older Danish Adults</i> Christian Salazar	
210	<i>Social Connectedness and its Correlates in Adults</i> Brienne Wood	
211-S	<i>Withdrawn</i>	
212-S	<i>National Population Estimates and Correlates of Sexual Abuse of Older Adults</i> Michael Cannell	

PHARMACOEPi

- 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*
C Mary 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 (NBDPS), 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 Puumala

- 237 *The Impact of Race on Prognosis of Thyroid Cancer: A Population-Based Competing Risks Analysis*
Limin Yang
- 238 *Establishment of the Cancer Prevention Study-II (CPS-II) Nutrition Cohort Colorectal Tissue Block Repository*
Anusila Deka
- 239-S *Risk of Digestive Tract Cancer in Patients with Peptic Ulcers*
Shih-Wen Lin
- 240 *Geographic and Hospital Variation in 30-Day Postoperative Mortality Following Colorectal Cancer Surgery*
Mario Schootman
- 241 *Case-Control Study of Inflammatory Markers and Endometrial Cancer*
Annie Langley
- 242 *Use of Radiotherapy (RT) for Prostate Cancer (PC) Patients in Wisconsin (WI): Does Geographic Disparity Exist?*
Alex Ho
- 243 *A Study of FGFR2 SNPs in Relation to the NMSC Cancer-Prone Phenotype*
Anthony Alberg
- 244 *Pooled Analysis of Parental Age and Ewing Sarcoma*
Logan Spector
- 245-S *Nutrients from Fruit and Vegetable Consumption Reduce the Risk of Pancreatic Cancer*
Rick Jansen
- 246 *School Milk Consumption and Reduced Risk of Colorectal Cancer.*
Brian Cox
- 247 *Polymorphisms of Genes on the Ethanol Metabolizing Pathway and Risk of Head and Neck Cancer*
Jeffrey Chang
- 248-S *Circulating Adiponectin and Leptin and Risk of Prostate Cancer Incidence and Progression: A Systematic Review and Meta-Analysis*
Anya Burton
- 249-S *Lower Urinary Tract Symptoms as an Indicator of Future Risk of Bladder Cancer*
Jiachen Zhou
- 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

- 262-S *Secondary Pesticide Exposure is Associated with Head Circumference and Growth in Children*
Jose Suarez-Lopez
- 263 *Association between Exposure to Organophosphates and Age-Related Macular Degeneration: NHANES 1999-2004*
Yutaka Aoki
- 264-S *Pesticide Use and Incident Diabetes among Women in the Agricultural Health Study*
Anne Starling
- 265-S *Lead Toxicity and Moroccan Children's Intelligence*
Fatima-Zahra Azzaoui
- 266-S *Relationship between Chronic Exposition to Pesticides and School Achievements among Ivorian Children*
Pakome K N'go
- 267 *Pesticide: Pollution and Health Risks in Morocco*
Hinde Hami
- INFECTIOUS**
- 268-S *Acyclovir and Repeated Herpes Simplex Virus Recurrence*
Christina Ludema
- 269 *Neonatal Sepsis in Asian Countries*
Abdullah Al-Taïar
- 270-S *The Epidemiologic Profile of Pulmonary Tuberculosis in Kazakhstan, 2007 - 2010*
Sabrina Hermosilla
- 271-S *Household Characteristics Associated with Rodent Presence and Leptospira Infection in Three Community Settings in Chile*
Meghan Mason
- 272-S *Towards the Understanding of Small Scale Dispersal Dynamics of Urban Dengue*
Henrik Salje
- 273 *Using Epidemiological Methods to Evaluate Hepatitis B (HB) Vaccine Impact after 20 Years of Vaccination on the Colombian Amazon*
Luz Angela Chocontá-Piraquive
- 274-S *The Incubation Period of Cholera: A Pooled Parametric Survival Analysis of Doubly Interval Censored Data*
Andrew Azman
- 275-S *Clinical Outcomes of a Cohort of Hospital Patients with Healthcare-Associated Clostridium Difficile Infection*
Eric Lofgren
- 276 *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
- 277 *Quantifying the Underestimation of Mortality from the Pandemic Caused by the H1N1 Influenza Virus in Mexico*
Juan Manuel Mejia-Arangure
- 278 *Spatio-Temporal Prediction Modelling of Influenza in Alberta, Canada*
Leah Martin
- 279 *Intensity and Duration of Cigarette Smoking in Relation to Tuberculosis: Findings from the 2011 National Adult Tobacco Survey of Cambodia*
Pramil Singh
- 280-S *Withdrawn*
- 281-S *H. pylori Infection and Parasitic Co-Infections in Andean Children*
Monica Sierra
- METHODS**
- 282 *Pediatric Measures in the PhenX Toolkit*
Nedra Whitehead
- 283 *Methodologies for Measuring Progress and Disparities in Healthy People 2010*
Leda Gurley
- 284-S *Estimation of Interaction Effects Using Pooled Biospecimens*
Michelle Danaher
- 285 *The Table 2 Fallacy: Presenting and Interpreting Confounder and Modifier Coefficients*
Daniel Westreich
- 286-S *Sentinel Schools to Describe 3rd Graders' Oral Health*
MaiSee Moua
- 287 *Address-Based Sampling in a Large Population-Based Survey: Lessons Learned*
Andrew Bersch

- 288-S *The Identification of Restrictive Lung Disease in Taconite Miners*
Nnaemeka Odo
- 289 *Dietary Compensation in Randomized Nutrition Trials: Are We Observing a Nutrient Effect or a Compensation Effect?*
Catherine Carpenter
- 290-S *Using DAGs to Guide the Translation of Priors for Record-Level Analysis of Bias Due to Unmeasured Confounding*
Caroline Thompson
- 291-S *Methodological Challenges in Assessing Changes in Incidence over Time: Results from a Meta-Analysis*
Alexandra Frolkis
- 292-S *Estimating Predicted Probabilities from Logistic Regression: Which Method to Choose?*
Clemma Muller
- 293 *Improving Behavioral Interventions via the Multiphase Optimization Strategy*
Kari Kugler
- 294 *Subjective versus Objective Measures of Sleep Duration in Older Americans*
Diane Lauderdale
- 295-S *Non-Collapsibility of Odds Ratios Measured from Marginal Structural Models and Logistic Regression Models*
Menglan Pang
- 296-S *Performance of Multiply Robust Estimators*
Maral DerSarkissian
- 297-S *Investigating Effect Modification and Interaction Using Multiply Robust Estimation*
Maral DerSarkissian
- 298 *Validity and Efficiency of Prospective Designs with Intentional Missing Data*
Anthony Nunes
- 299 *Effect of the 2010 Chilean Great Earthquake on Posttraumatic Stress: An Analysis Using Multivariate Matching and Sensitivity Analysis*
Jose Zubizarreta
- NUTRITION**
- 300 *Dietary Patterns and Depression in the Nurses' Health Study*
Patricia Chocano-Bedoya
- 301 *Combined Lifestyle Factors and Chronic Disease Risk*
Ute Nöthlings
- 302 *Self-Perceived Vegetarianism in the US: Prevalence and Socio-Demographic Characteristics*
Amy Branum
- 303-S *Physical Activity during Pregnancy and Language Development in Offspring*
Anne Marie Jukic
- 304-S *Factors Associated with Physical Activity in 12-17 Year Olds*
Britney Martin
- 305-S *Leptin Levels are Associated with Knee Osteoarthritis*
Carrie Karvonen-Gutierrez
- 306 *Maternal Smoking during Pregnancy and Risk of Adolescent Obesity*
Liang Wang
- 307-S *Relationship between Leisure Time and Occupational Physical Activity and Incidence of Hypertension and Diabetes: The National Population Health Survey (1994-2009)*
Brendan Smith
- 308-S *Exploring Energy Balance among Postpartum Adolescents*
Karen Schliep
- 309-S *Comparison of Two Approaches to Handling BMI Measurement Bias in Growing Adolescents*
Christine Gray
- 310-S *Assessment of Neighborhood Park Features for Youth Physical Activity*
Madeleine Bird
- 311-S *Does Obesity Increase the Risk of Chronic Conditions among South African Adults? Findings from the South African National Income Dynamics Survey*
Kedir Turi
- 312 *Frequency of Consumption of South and North Indian Food Preparations: A Preliminary Research to Assess Folate Intake of Selected Population*
Lalitha Kilanathan

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 Palmsten
- 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 Garipey
- 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

- 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-Ittu
- 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*
moved from
Poster Session 1 Kristin Wall

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 John C Cassel Memorial Lecture "Where Have You Gone, John Henry? Rising Social Inequalities and Health Disparities" Sherman James, PhD, <i>Duke University</i>	Nicollet A/B
	Lilienfeld Prize Winner "Revealing the Micro-scale Spatial Signature of Dengue Transmission and Immunity in an Urban Population" Henrik Salje, <i>Johns Hopkins Bloomberg School of Public Health</i>	
10:00 – 10:30 am	Break	
10:30 am – 12:00 noon	Spotlight Session 3	
	FEMALE INFERTILITY: CAUSES AND CONSEQUENCES Session Chair: Lauren Wise	Greenway D/E
351-S	<i>Urinary Bisphenol A (BPA) Concentrations and Early Reproductive Health Outcomes in Women Undergoing In Vitro Fertilization (IVF)</i> Shelley Ehrlich	
352	<i>Impact of Vaginal Lubricants on Fecundability</i> Anne Steiner	
353	<i>Pregnancy after Treatment for Cervical Cancer Precursor Lesions</i> Sheila Weinmann	
354	<i>Body Size and Time-to-Pregnancy in the Black Women's Health Study</i> Lauren Wise	
355	<i>Infertility and Risk of Gestational Diabetes Mellitus: A Prospective Analysis of 37,265 Births</i> Deirdre Tobias	
	HIV/AIDS IN RESOURCE LIMITED SETTINGS Session Chair: Alan Lifson	Greenway F/G
356	<i>Concurrent Sexual Partnerships and HIV Transmission – A Case-Only Approach for a Seemingly Intractable Problem</i> Kathleen Wirth	
357-S	<i>Spatial Dynamics of HIV-1 Infection in Rakai, Uganda</i> Mary Grabowski	
358	<i>Sequential Cox Models to Estimate the Effect of Antiretroviral Therapy on Time to AIDS or Death</i> Daniel Westreich	
359	<i>Immunologic Effects of Measles Infection among HIV-Positive Children and Adolescents in Botswana</i> Kathleen Wirth	
360	<i>A Comparison of Traditional and Competing Risks Approaches to Assess Programmatic Outcomes in an Observational HIV Treatment Cohort in South Africa</i> Matthew Fox	
	NUTRITIONAL EPIDEMIOLOGY Session Chair: Marty Slattery	Greenway H/I
361	<i>From Oceanography to Epidemiology—The Many Careers of Ancel Keys</i> Sarah Tracy	
362	<i>Maternal Pregnancy Glucose Levels and Adiposity in 11 y-Old Girls: The CYGNET Study</i> Ai Kubo	
363-S	<i>Associations between Kidney Disease and Low Vitamin D are Modified by Race and Income</i> Laura Plantinga	
364-S	<i>Oxidative Balance Score and the Risk of Incident Prostate Cancer in a Prospective U.S. Cohort Study</i> Sindhu Lakkur	

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

Greenway B/C

- 365-S *Impact of Duration and Age at Onset of Hypertension on Cognition in Older Men*
Melinda C 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

Nicollet A/B

- 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?**

Greenway D/E

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

Greenway H/I

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

- 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*
Shannon Conroy
- 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

Nicollet A/B

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

METHODOLOGICAL ADVANCES FROM THE NEXT GENERATION OF EPIDEMIOLOGISTS: EMAC WEB MEETING AWARD WINNERS

Greenway F/G

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

Greenway B/C

Session Chair: Noel Weiss

- 386-S *Long-Term Statin Use and Breast Cancer*
Jean McDougall
- 387-S *Does Progesterin 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

3:30 – 5:00 pm

Symposia 2

- 390 **ADVANCES IN NUTRITION AND CHRONIC DISEASE: INTERACTIONS AMONG DIET, LIFESTYLE, AND GENETIC FACTORS** Greenway D/E
Session Chair: Mark A Pereira
- 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** Greenway F/G
Session Chair: Chanelle J Howe and Whitney Robinson
- 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?** Greenway B/C
Session Chair: Justin Lessler and Sufia Dadabhai
- 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** Nicollet A/B
Session Chair: Miguel Hernán and David Savitz
- SENTINEL*
Richard Platt
- CHARGE*
Bruce Psaty
- JeDEA*
Carlie Williams
- 394 **THE USE OF A COMPLEX SYSTEMS APPROACH IN EPIDEMIOLOGIC RESEARCH: IF AND WHEN IT'S WORTH IT** Greenway H/I
Session Chair: Geetanjali Datta
- 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

Nicollet A/B

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 Gribble

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-NFκB 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

- 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 Nuño

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 Nshisso
- 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

- 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

- 465 *An Alternative Approach to Handling Missing Data in Self-Report Surveys*
Jodi McKibben
- 466-S *Is Meta-Analysis Enough? Developing Methods for Identifying, Evaluating and Selecting Publicly Available Datasets for Targeted Community-Based Health Interventions*
Kristin S Hoeft
- 467 *When to Switch cART: Novel Methods for the Comparison of Switching Strategies Using Observational Data*
Lauren Cain
- 468-S *Causal Pie Bingo! A Fun and Intuitive Introduction to Causal Models for Students of all Levels*
Candice Johnson
- 469 *Associations of Prenatal Maternal Smoking with Offspring Hyperactivity: Causal or Confounded?*
Katherine Keyes
- OCCUPATIONAL**
- 470 *Posttraumatic Stress Disorder and Depression among US Military Health Care Professionals Deployed in Support of the Operations in Iraq and Afghanistan*
Isabel Jacobson
- 471 *Associations of Shift Work with Leptin, Insulin, and Adiponectin*
Luenda Charles
- 472-S *Agricultural Exposures and Stroke Mortality in the Agricultural Health Study*
Jessica Rinsky
- 473 *Factors Associated with Participation in and Benefits of a Worksite Wellness Program*
Ray Merrill
- 474 *Presenteeism According to Healthy Behaviors, Physical Health, and Work Environment*
Ray Merrill
- 475-S *Mortality Experience among Minnesota Taconite Miners*
Elizabeth Allen
- 476 *Occupational Injuries in the Metallurgical Industries in Morocco*
Hinde Hami
- 477-S *B Reader Variability in Taconite Miners*
Christine Lambert
- 478-S *Occupational Spinal Cord Injury: Population-Based Incidence Rates Using Multiple Data Sources, Minnesota 1999-2009*
Sateesh Devagupthapu
- 479-S *Work Stress and Alcohol Use in the Canadian Working Population*
Arden Jones
- 480 *Comparing Pulmonary Function Data in Flavorings Manufacturing Workers*
Megan Jacobsen
- 481 *Assessment of the Exposure-Response Relationship between Diacetyl and Respiratory Health Outcomes among Popcorn and Flavor Manufacturing Workers*
Lauren Johns
- SOCIAL**
- 482 *Bias in Self-Reported Weight: Effects of Friends' Characteristics*
David Shoham
- 483 *Household Financial Distress and Child Body Mass Index in a Longitudinal Survey Sample*
Claire Margerison-Zilko
- 484 *Associations between Education and Tobacco-Related Indicators by Race/Ethnicity, National Health Interview Survey, 2010*
Claire Margerison-Zilko
- 485 *Perceived and Self-Reported Race/Ethnicity in the Los Angeles Family and Neighborhood Survey (L.A.FANS)*
Chandra Ford
- 486-S *Reducing Socioeconomic Inequalities in Health: The Role of Simulation Modeling in Evaluating Population Health Interventions*
Brendan Smith
- 487-S *Development of a Measure of Neighborhood Contentedness*
Michael Bazaco
- 488-S *Intervening to Reduce Obesity: An Agent-Based Modeling Approach to Assess the Efficacy of Network-Based Interventions*
Abdulrahman El-Sayed

- 489 *Is Income Inequality Causally Associated with Infant Mortality? An Analysis of 34 High Income Countries Using Fixed Effect Models in the Period 1960-2008*
Mauricio Avendano
- 490 *John Henryism and Hypertension Risk among Hispanics*
Bernadette Boden-Albala
- 491-S *A Typology of Neighborhoods and Blood Pressure in the RECORD Cohort Study*
Andraea van Hulst
- 492 *Effect of Large Scale Business Developments on Neighborhood Collective Efficacy*
Anthony Fabio
- 493 *Quality of Life in Men with Hemophilia*
Azfar-e-Alam Siddiqi
- 494 *Does Neighborhood Collective Efficacy Change Over Time? The Boston Neighborhood Survey*
Theresa Osypuk
- 495 *Alternative High School Credentials and Mortality: Is a GED Comparable to a High School Degree?*
Sze Liu
- 496 *Economic Conditions and Health Behaviors during the Recent Economic Crisis*
Arijit Nandi
- 497-S *Importance of Different Accessibility Factors in Where Consumers in the U.S. Choose to Shop for Groceries, HealthStyles 2010*
Shannon Grabich
- 498-S *Evaluation of Social Vulnerability Indices in US Rural County Level Environmental Hazards*
Shannon Grabich
- NEUROEPI**
- 499 *Clustering of Comorbid Pain Conditions with Vulvodinia*
Ruby Nguyen
- 500 *Hearing Impairment in the United States and Norway*
Howard J Hoffman
- 501 *Metabolic Genes and Blood Lead Concentrations in Jamaican Children with and without Autism Spectrum Disorders*
Mohammad Rahbar
- 502 *Restless Legs Syndrome and Functional Limitations among American Elders in the Health and Retirement Study*
Dominic Cirillo
- 503 *Maternal Periconceptional Folic Acid Intake and Risk for Developmental Delay and Autism Spectrum Disorder: A Case-Control Study*
Rebecca J. Schmidt
- 504 *Recommendations for Optimal ICD Codes to Study Neurological Conditions: A Systematic Review*
Christine St.Germaine-Smith
- 505-S *In Utero Exposure to Selective Serotonin Reuptake Inhibitors (SSRIs) and Risk for Autism Spectrum Disorders (ASD)*
Nicole Gidaya
- 506-S *Maternal Immune-Mediated Conditions in Association with Child Immune-Related Outcomes and Autism Spectrum Disorders*
Kristen Lyall
- 507-S *Maternal Dietary Fat and Fatty Acid Intake in Association with Autism Spectrum Disorders*
Kristen Lyall
- 508 *Maternal Vitamin D Status in Pregnancy and Child Cognition, Achievement, and Behavior*
Sarah Keim
- 509-S *Adaptation of the Mullen Scales of Early Learning to Benin Setting*
Kobto Ghislain Koura
- 510-S *Tardive Dyskinesia Incidence in a Non-Institutionalized Population and in Subgroups of Diabetics and Users of Metoclopramide*
Paul Matiaco
- 511 *Prenatal Testosterone, Autism and Sibling Sex Ratios: Methods for a Valid Test of Joint Hypotheses*
Keely Cheslack-Postava
- 512 *Joint Effects of Prenatal Stress and Family History on Risk of ADHD*
Andrew Rowland
- 513-S *Trends in ALS in Denmark: An Age-Period-Cohort Analysis*
Ryan Seals

- 514-S *AVPU as a Severity Score for Pediatric TBI*
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*
Chia-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 Skøtt Pedersen
- 535 *Obesity and Sexual Functioning among Midlife Women*
Lisa Gallicchio
- 536 *Race and Physical Functioning among Breast Cancer Survivors*
Lisa Gallicchio

537	<i>Women's Health after Gestational Hypertension in Northern Finland Birth Cohort 1966</i> Tuija Mannisto	
538	<i>An Examination of the Role of Race/Ethnicity in the Link between Gestational Weight Gain and Hypertensive Disorders in Pregnancy</i> Jihong Liu	
539	<i>A Sustained Decline in Postmenopausal Hormone Use: Results from NHANES 1999-2010</i> Brian Sprague	
540	<i>Retinol Binding Protein 4 and the Risk of Gestational Diabetes</i> Dejene Abetew	
541-S	<i>Association of Early Menarche and Menstrual Characteristics with Adulthood Asthma among Reproductive Age Women</i> Neway Fida	
542-S	<i>Associations of Maternal Metabolic Genes with Placental Abruption</i> Amy Moore	
543	<i>Factors Associated with Chlamydia Positivity among Minnesota Females in the Infertility Prevention Project</i> Jeffrey Misialek	
544	<i>Pregnancy Complications and Ultrasound Measures of Cardiovascular Risk</i> Emily Harville	
545-S	<i>Inter- and Intra-Rater Reliability in the Diagnosis and Staging of Endometriosis</i> Karen Schliep	
546-S	<i>Alcohol and Unprotected Sex among Women: Implications from Day-Level, Month-Level, and Person-Level Associations</i> Brian Weir	
547	<i>Missing Data in a Mobile Phone Daily Diary Study of Adolescents</i> Petra Sander	
6:00 – 7:00 pm	SER Business Meeting	Greenway H/I
7:00 pm	Alumni Reunions (check bulletin board for various locations)	

- 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?** Greenway D/E
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** Greenway B/C
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 Tchetchen Tchetchen
- What Is an Odds Ratio and Why Does It Matter in Mendelian Randomization?*
Stephen Burgess
- Discussant**
Duncan Thomas
- 550 **TEACHING EPIDEMIOLOGIC METHODS** Greenway F/G
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** Greenway H/I
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

10:30 am – 12:00 noon

Spotlight Session 5**CARDIOVASCULAR DISEASE EPIDEMIOLOGY**

Greenway D/E

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

Greenway B/C

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

Greenway F/G

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

LATEBREAKER 2

Greenway H/I

Session Chair: Polly Marchbanks

- | | | |
|-----|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L09 | 10:30 | <i>Preterm Birth and Subsequent Risk of Type 2 Diabetes in Black Women</i>
Tamarra James-Todd |
| L10 | 10:40 | <i>Disparities in Time to Hospitalization, Diagnosis, and Treatment for Acute Stroke in a Multi-ethnic Cohort</i>
Tefera Gezmu |
| L11 | 10:50 | <i>Review of Studies of Long-Term Exposure to Ambient Air Pollutants and Risk of Stroke</i>
Kirstin Huiber |
| L12 | 11:00 | <i>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</i>
Kristian Filion |
| L13 | 11:10 | <i>Cervical Cancer Screening: Before and after Introduction of the HPV Vaccine</i>
Bertha Hidalgo |
| L14 | 11:20 | <i>Risk Factors and Outcomes Associated with Surgical Site Infections (SSI) after Craniotomy and Craniectomy (Crani)</i>
Hsiu-yin Chiang |
| L15 | 11:30 | <i>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</i>
Vanessa Perez |
| L16 | 11:40 | <i>Latent Effects of Low-Dose Aspirin on Cancer: Further Follow-up of the Women's Health Study</i>
Nancy Cook |

12:00 noon

Meeting Adjourned - See you in Boston!

**- SER ANNUAL MEETING -
FUTURE DATES:**

2013 – BOSTON, MA (JUNE 18-21)

2014 - SEATTLE, WA (JUNE 24-27)

<http://www.epiresearch.org/meeting/>

ABSTRACT SCHEDULE

45th Annual SER Meeting **Minneapolis, Minnesota
June 27-30, 2012

WEDNESDAY, JUNE 27, 2012

7:30 – 8:30 p.m. 001-147-S Poster Session 1

THURSDAY, JUNE 28, 2012

8:30 – 10:00 a.m. Plenary Session 1

10:30 a.m. – 12noon 148-S – 169-S Spotlight Session 1

- CHILDHOOD RISK FACTORS FOR DIABETES AND OBESITY: LIFECOURSE APPROACHES (148-S-151-S)
- HOW THE SOCIAL ENVIRONMENT SHAPES HEALTH (152-156-S)
- INFLAMMATION DURING PREGNANCY AND PERINATAL OUTCOMES (157-160)
- MATTERS (AND METHODS) OF LIFE AND DEATH: STUDIES OF MORTALITY (161-S-165)
- VACCINES: EFFECTIVENESS, SEX AND POLITICS.(166-S-169-S)

1:30 – 3:00 p.m.

170-175 Symposia 1

- A CASE OF FRAUD: IMPLICATIONS FOR EPIDEMIOLOGIC RESEARCH (170)
- BAYESIAN EPIDEMIOLOGY: IN PRACTICE (171)
- FOODBORNE DISEASE EPIDEMIOLOGY: GROWING IMPORTANCE AND NEGLECTED OPPORTUNITIES (172)
- MENOPAUSAL HORMONE THERAPY AND WOMEN'S HEALTH: FOR WHICH WOMEN ARE HORMONES ADVISABLE? (173)
- METHODS FOR PREDICTION OF RISK: EXAMPLES FROM CVD EPIDEMIOLOGY (174)
- SPILLOVER EFFECTS IN EPIDEMIOLOGIC RESEARCH (175)

3:30 – 5:00 p.m.

176-201-S Spotlight Session 2

- ACROSS THE CANCER CONTROL CONTINUUM: FROM PREVENTION TO SURVIVORSHIP (176-180)
- BIAS ADJUSTMENT IS NOT WHAT IT USED TO BE: SHOWCASING THE APPLICATION OF ALTERNATIVES TO CONVENTIONAL REGRESSION (181-S-185)
- INJURY AND VIOLENCE PREVENTION: SURVEILLANCE THROUGH INTERVENTION (186-189)
- NEIGHBORHOOD CONDITIONS AND ADOLESCENT HEALTH: ARE THE KIDS ALRIGHT? (190-193-S)
- PERSISTENT ORGANIC POLLUTANTS (194-197-S)
- PREGNANCY AND DIABETES RISK (198-S-201-S)

5:00 – 6:00 p.m.

202-350 Poster Session 2

FRIDAY, JUNE 29, 2012

8:30 – 10:00 a.m.

Plenary Session 2

10:30 a.m. – 12noon

351-S-373

Spotlight Session 3

- **FEMALE INFERTILITY: CAUSES AND CONSEQUENCES (351-S-355)**
- **HIV/AIDS IN RESOURCE LIMITED SETTINGS (356-360)**
- **NUTRITIONAL EPIDEMIOLOGY (361-364-S)**
- **RISK FACTORS FOR COGNITIVE AGING: UNCOVERING NEW CULPRITS AND SECOND-GUESSING USUAL SUSPECTS (365-S-368-S)**
- **STRESS AND SOCIAL CAUSATION: DO MECHANISTIC INSIGHTS CLARIFY THE PICTURE? (369-373)**

1:30 – 3:00 p.m.

374-389

Spotlight Session 4

- **CHILDHOOD ABUSE - UPSTREAM PREDICTOR OF ALTERED IMMUNE FUNCTION? (374-377-S)**
- **MEASURES OF SOCIOECONOMIC STATUS AND HEALTH INEQUALITY (378-S-381)**
- **METHODOLOGICAL ADVANCES FROM THE NEXT GENERATION OF EPIDEMIOLOGISTS: EMAC WEB MEETING AWARD WINNERS (382-S – 385-S)**
- **THE EPIDEMIOLOGY OF BREAST CANCER (386-S - 389)**

L1 – L8

Latebreaker Session 1

3:30 – 5:00 p.m.

390-394

Symposia 2

- **ADVANCES IN NUTRITION AND CHRONIC DISEASE: INTERACTIONS AMONG DIET, LIFESTYLE, AND GENETIC FACTORS (390)**
- **EFFECT DECOMPOSITION: THE LOST EPIDEMIOLOGIC ANALYSIS (391)**
- **MEASURING CHALLENGING POPULATIONS: IS THERE A NEED FOR METHODOLOGICAL INNOVATION? (392)**
- **THE CHANGING FACE OF EPIDEMIOLOGY: "BIG EPIDEMIOLOGY" TO "COLOSSAL EPIDEMIOLOGY": WHEN ALL EGGS ARE IN ONE BASKET (393)**
- **THE USE OF A COMPLEX SYSTEMS APPROACH IN EPIDEMIOLOGIC RESEARCH: IF AND WHEN IT'S WORTH IT (394)**

5:00 – 6:00 p.m.

395-S - 547

Poster Session 3

SATURDAY, JUNE 30, 2012

8:30 – 10:00 a.m.

548-551

Symposia 3

- **COMPLEX SYSTEMS DYNAMIC MODELING APPROACHES TO POPULATION HEALTH: PROMISE FOR A CELLS-TO-SOCIETY ANALYTIC APPROACH?** (548)
- **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