



# Annual Research Report

Calendar Year 2017



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# Research Overview Calendar Year 2017

## Vision

Stronger Communities  
Healthy People  
Our Tradition

## Mission

The Texas A&M School of Public Health is committed to transforming health through interdisciplinary inquiry, innovative solutions, and development of leaders through the Aggie tradition of service to engage diverse communities worldwide.

## Values

### Accountability:

Meaningful Impact

### Global and diverse:

Our research crosses borders

### Generosity:

Through selfless service

### Integrity:

In everything we do

### Excellence:

In teaching, research, service, and practice

### Social Justice

### Professionalism:

Leaders paving the way

### Honor:

Respect for all

**Purpose:** Research is an integral part of the Texas A&M School of Public Health mission and activities with the majority of the nearly 70 faculty members engaged in sponsored research and service activities. This report summarizes School of Public Health faculty projects, publications, presentations, and research interests during Calendar Year 2017.

**Highlights:** Calendar Year 2017 was marked by number of key highlights including growth in research expenditures and number of publications; expansion of programs designed to provide pilot funding support; and establishment of new programs with an emphasis on global health.

**Initiatives:** In an effort to provide seed funding for innovative and promising research, the School of Public Health awarded the third round of the Delta Omega Research and Development Initiative (REDI) pilot grants in May 2017. Awarded through a competitive application and external review process, four SPH investigators received awards of \$25,000 each to support their respective research projects.

**New Funding:** A number of large scale highly competitive grants and contracts were secured during the year from diverse funders including the Cancer Prevention Research Institute of Texas (CPRIT), National Science Foundation (NSF), National Institutes of Health (NIH), United States Department of Agriculture (USDA), State of Texas, and private foundations including the Robert Wood Johnson Foundation. A few of the many awards received by SPH investigators from across departments are noted below. A full listing of awards is included this report.

**Dr. Jane Bolin (Co-PI), David McClellan (PI).** *Continuation/Expansion of Texas A&M's Breast and Cervical Cancer Prevention Program for Underserved Women through a Family Medicine Residency*, CPRIT

**Dr. Jennifer Horney, Dr. Thomas McDonald (Core PIs) [Ivan Rusyn, Primary PI].** *Superfund: Comprehensive Tools and Models for Addressing Exposure to Mixtures during Environmental Emergency-Related Contamination Events Community Engagement Core and Translational Research Core*, NIH/NIEHS

**Dr. Natalie Johnson.** *Mechanisms of Particulate Matter Driven Infant Respiratory Disease*, Outstanding New Environmental Scientist (ONES), NIH/NIEHS

**Dr. Hye Chung Kum.** *Privacy Preserving Interactive Record Linkages (PPiRL)*, Patient Centered Outcomes Research Institute (PCORI)

**Dr. E. Lisako McKyer.** Evaluation of the Texas Rape Prevention and Education Program, CDC through the Office of the Attorney General of Texas

**Dr. Darcy McMaughan.** Developing a Provider Tool to Improve Health Care Transition Outcomes through the Promotion of Medical Homes for CSHCN, Texas Department of State Health Services

**Dr. Ranjana Mehta.** RAPID: Human-Robotic Interactions during Hurricane Harvey Recovery Operations, National Science Foundation (NSF)

**Dr. Barbara Quiram (PI), Dr. David Washburn (Co-PI).** Weaving the Tasina Luta: A Community-based Participatory Research Approach to Implementation and Engagement with a Tribal Public Health Plan, Robert Wood Johnson Foundation

**Dr. Joseph Sharkey.** Empowering Rural Communities and Families: Prevention Chronic Disease Through Experiential Nutrition and Education in Limited-Resource Children and Their Families in the Rural North Olympic Peninsula of Washington, United States Department of Agriculture National Institute of Food and Agriculture (USDA NIFA)

**New Programs:** During 2017, a number of new programs were formally established at SPH to enable researchers with similar interests to coalesce research interests, expertise, and projects. *The Program on Public and International Engagement for Health (PIEH)* was approved in Spring 2017. Under the direction of Dr. Bernard Appiah, Department of Environmental and Occupational Health, the program's mission is to facilitate transformative learning and scholarship in public engagement globally. *The Program in Global Health Research* was approved in Fall 2017. Under the direction of Dr. Brian Colwell, Health Promotion and Community Health Sciences, the program advances public health research, dissemination of findings, and translation of research into practice across the world.

**Student Awards and Recognition:** During 2017, the school selected the winners of the Student Research Excellence Award. This award recognizes outstanding students who have demonstrated excellence in the design, conduct, execution, and impact of research. The 2017 winners were Louise Myatt (master's level winner) and Amber Trueblood (doctoral level winner). Also, in Spring 2017, SPH students participated in SPH's 12th Annual Student Research Poster Contest. The top two winners were invited to compete for slots at the National Delta Omega Sponsored Student Poster Contest held at APHA in Fall 2017.

# Research Enhancement & Development Initiative

The Texas A&M School of Public Health strives to support faculty in their research activities, including assistance in the development of new extramurally supported investigator-initiated research. The Delta Omega Research Enhancement and Development Initiative (REDI) program provides small pilot funding awards to SPH investigators in support of innovative, novel, and interdisciplinary ideas with a high probability of leading to significant external funding.

## 2017 Award Grantees



Pictured Left to Right: Timothy Callaghan, S. Camille Peres, Itza Mendoza, and Nicholas Taylor

**Timothy Callaghan, PhD, Health Policy and Management**  
*Community Health Workers Experience with Hispanic/Latino Health Access*

**S. Camille Peres, PhD, Environmental and Occupational Health**  
*Expertise Acquisition with Industrial Tasks: How Does Procedure Use Change and When*

**Itza Mendoza-Sanchez, PhD, Environmental and Occupational Health**  
*Bacterial kinetics and antibiotic resistance in soils due to antibiotic contamination*

**Nicholas Taylor, PhD, Epidemiology and Biostatistics**  
*Integrative gene expression profiling of primary colorectal cancer and adjacent extratumoral microenvironment*

# Research Centers and Programs



**Center for Community Health Development**  
*established initially as a CDC funded  
Prevention Research Center*  
Co-Director: Jim Burdine, DrPH  
Co-Director: Lisako McKyer, PhD



**Center for Health Organization Transformation**  
*NSF Industry/University  
Cooperative Research Centers Program*  
Director, PI: Bitia Kash, PhD



**Center for Population Health and Aging**  
*funded by multiple external grants*  
Founding Director: Marcia Ory, PhD, MPH  
Co-Director: Matthew L Smith, PhD, MPH



**The Ergonomics Center**  
*funded by multiple external grants*  
Director, PI: Mark Benden, PhD  
Co-Director: Adam Pickens, PhD



**Southwest Rural Health Research Center**  
*established with funding from the  
Federal Office of Rural Health Policy*  
Director: Jane Bolin, PhD, JD, RN  
Co-Director: Alva Ferdinand, PhD



**USA Center for Rural  
Public Health Preparedness**  
*funded by multiple external grants*  
Director, PI: Barbara Quiram, PhD



**Program for Asthma Research  
& Education**  
Director: Genny Carrillo, MD, MPH



**Program on Disability Research &  
Community-Based Care**  
Director: Darcy McMaughan, PhD



**Program on Global Health Research**  
Director: Brian Colwell, PhD



**Program for Health Policy Research**  
Director: Michael Morrissey, PhD



**Program on Public & International  
Engagement for Health**  
Director:  
Bernard Appiah, DrPH, MDC, MS, BPharm



**Program for Reproductive Health &  
Child Health**  
Director: Brandie Taylor, PhD



**Program for Research & Outreach  
Engagement on Nutrition  
& Health Disparities Solutions**  
Director: Joseph R Sharkey, PhD, MPH



**Program for The Environment & Sustainability**  
Director: Virender Sharma, PhD

# Active Grants & Contracts CY2017

**Appiah, Bernard.** Identifying Culturally Relevant Interventions to Increase Medication Adherence among Adults with Diabetes or Hypertension, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2016-2017).

**Appiah, Bernard.** Using cellphone caller tunes to promote blood donation in Sub-Saharan Africa: A feasibility study in Ghana, Texas A&M PESCA Grant Program, \$10,000 (2016-2017).

**Appiah, Bernard.** Children Against Antimicrobial Resistance: An Engagement Project in Ghana, Wellcome Trust, \$43,852 (2016-2017).

**Appiah, Bernard.** Identifying Culturally Relevant Interventions to Increase Medication Adherence among Adults with Diabetes or Hypertension, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2016-2017).

**Appiah, Bernard.** Using cellphone caller tunes to promote blood donation in Sub-Saharan Africa: A feasibility study in Ghana, Texas A&M PESCA Grant Program, \$10,000 (2016-2017).

**Appiah, Bernard.** Children Against Antimicrobial Resistance: An Engagement Project in Ghana, Wellcome Trust, \$43,852 (2016-2018).

**Appiah, Bernard.** Radio for Integrated Health and Agriculture in Ghana (RIHAG), Texas A&M Agrilife, USAID, \$25,000 (2017-2018).\*

**Benden, Mark.** Texas A&M University Occupational Safety & Health Training Program (competitive 5 year renewal), NIOSH, \$516,453 (2012-2018) [ERGC].

**Benden, Mark.** Impact of Varidesk<sup>®</sup> usage and gamification concept on sedentary behavior at Texas A&M University, Varidesk, \$50,000 (2017-2018) [ERGC].\*

**Benden, Mark.** External Safety Support, Texas Transportation Institute, \$75,000 (2010-2017) [ERGC].

**Benden, Mark.** Use of Stand-Site Workstations: Does the Implementation of Behavioral Interventions Increase the Usage of Site-Stand Desks, Office of Ergonomics Research Committee, \$25,500 (2016-2017) [ERGC].\*

**Bolin, Jane.** CPRIT Dissemination: Training CHWs for Cancer Education and Navigation, Cancer Prevention & Research Institute of Texas (CPRIT), \$300,000 (2015-2018) [SRHRC and CCHD].

**Bolin, Jane.** Addressing Rural Health Challenges and Disparities: An Episcopal Health Foundation & Texas A&M Partnership to Meet the Needs of Underserved Texas Counties, Episcopal Health Foundation, \$129,325 (2016-2018) [SRHRC].

**Bolin, Jane and Alva Ferdinand.** Southwest Rural Health Research Center: Rural Health Research Grant Program Cooperative Agreement, Health Resources and Services Administration (HRSA), \$2,800,000 (2016-2020) [SRHRC].

**Bolin, Jane.** Southwest Rural Health Research Center, Year 1 Project 4, The Burden of Diabetes in Rural America, Health Resources and Services Administration (HRSA), \$122,377 (2016-2017) [SRHRC].

**Bolin, Jane.** Southwest Rural Health Research Center, Year 2 Project 4, Rural/Urban Differences in Chronic Diseases and Delay of Needed Care, Health Resources and Services Administration (HRSA), \$122,004 (2017-2018) [SRHRC].\*

**Bolin, Jane, Co-PI (McClellan, David, PI).** Enhanced Breast & Cervical Cancer Prevention for Low-Income and Underserved Using Trans-disciplinary Collaboration in a Family Medicine Setting, Cancer Prevention & Research Institute of Texas (CPRIT), \$1,499,993 (2013-2017) [SRHRC].

**Bolin, Jane, Co-PI (McClellan, David, PI).** Continuation and Expansion of Texas A&M's Colorectal Cancer Screening, Training, Education, and Prevention Program, Cancer Prevention & Research Institute of Texas (CPRIT), \$1,500,000 (2014-2018) [SRHRC].

**Bolin, Jane, Co-PI (McClellan, David, PI).** Continuation/Expansion of Texas A&M's Breast and Cervical Cancer Prevention Program for Underserved Women through a Family Medicine Residency, Cancer Prevention and Research Institute of Texas, \$1,350,000 (2017-2020) [SRHRC].\*

**Burdine, James N.** Developing a Statewide Health Impact Index for Informing Health-In-All-Policies Decision Making at State and Local Levels, Texas Medical Center Foundation, \$37,500 (2017-2018) [CCHD].\*

**Burdine, James N.** Brazos Valley Community Health Resource Center: A Case Study, Episcopal Health Foundation, \$71,669 (2017-2018) [CCHD].\*

**Callaghan, Timothy.** Community Health Worker Experiences with Hispanic/Latino Health Access, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2017-2018).\*

**Carrillo, Genny.** Community-based Pediatric Asthma Education and Intervention, Knapp Community Care Foundation, \$374,042 (2015-2017).

**Carrillo, Genny.** Asthma Education and Outreach Delivery Model Program, Raul Tijerina Jr. Foundation, \$25,000 (2015-2017).

**Carrillo, Genny.** Health Outcomes of Water Insecurity in Urban Mexico: A Pilot Project, Texas A&M University CONACYT Program, \$24,000 (2018-2018).\*

**Cizmas, Leslie.** Impact of Nanoparticles on the Formation and Toxicity of Disinfection Byproducts during Water Chlorination, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2016-2017).

**Colwell, Brian.** *Youth Tobacco Education Project*, Texas Department of State Health Services (DSHS), \$713,393 (2003-2019).

**Colwell, Brian.** *ConDev, Texas A&M University & USAID/DRC Partnership: Evaluation of the Kinshasa School of Public Health*, United States Agency for International Development (USAID), \$293,789 (2015-2018).

**Ferdinand, Alva.** *Examining the Impact of Gun Control Laws on Firearm-Related Morbidity and Mortality*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2016-2017).

**Ferdinand, Alva.** *Southwest Rural Health Research Center, Year 1 Project 2: Examining the Legal Landscape in Rural America: Implications for the Healthcare Workforce, Access to Care, and Population Health*, Health Resources and Services Administration (HRSA), \$130,897 (2016-2018) [SRHRC].

# Active Grants & Contracts CY2017

**Ferdinand, Alva and Michael Morrissey.** *Southwest Rural Health Research Center, Year 2 Project 2: Malpractice Claims Among Rural and Urban Providers: Do State Telehealth Laws Make a Difference?*, Health Resources and Services Administration (HRSA), \$100,523 (2017-2018) [SRHRC].\*

**Garcia, Tanya.** *Innovative Statistical Models for Development of First Huntington's Disease Progression Risk Assessment Tool (K01 award)*, National Institutes of Health/National Institute of Neurological Disorders and Stroke, \$557,406 (2016-2019).

**Garcia, Tanya.** *Identifying High-Dimensional Neuroimaging Biomarkers Associated with Huntington's Disease Motor-Onset*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2015-2017).

**Gorman, Dennis.** *External Evaluation of the AFC -Personal Responsibility Education Program (PREP)*, Ambassadors for Christ, Inc, \$132,000 (2012-2017).

**Han, Gang.** *Improved Survival Analysis in Personalized Cancer Therapy Trials*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2016-2017).

**Han, Gang.** *Biostatistical Research Support Services*, Yale, \$9,000 (2017-2018).\*

**Han, Gang.** *A Multi-Institutional Analysis of Programmed Cell Death Ligand-1 (PD-L1)*, National Comprehensive Cancer Network (NCCN), \$4,646 (2017).\*

**Hong, Alicia.** *Health-Related Mobile Use Among Older Adults with Chronic Conditions*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2015-2017).

**Hong, Y. Alicia.** *The trend of digital divide and health disparities in US: A longitudinal study of eHealth behavior and policy in the past decade*, Texas A&M University PESCA Program, \$25,000 (2017-2018).\*

**Horney, Jennifer.** *Implementing the Disaster Recovery Tracking Tool*, subaward from the University of North Carolina (prime is Department of Homeland Security), \$271,889 (2016-2018).

**Horney, Jennifer.** *Utilizing Secondary Data to Assess the Health and Health System Impacts of Natural and Technological Disasters in the Gulf*, National Academy of Science, \$181,206 (2015-2017).

**Horney, Jennifer.** *Perceptions of Community Resilience in Texas Coastal Shoreline Counties*, subaward from Texas A&M University Sea Grant Program (prime is National Oceanic and Atmospheric Administration National Sea Grant Office), \$22,886 (2016-2018).

**Horney, Jennifer.** *Texas OneGulf Strategic Environmental, Human Health and Safety: Disaster Research Response*, subaward from Texas A&M University Corpus Christi (prime is Texas Commission on Environmental Quality), \$171,693 (2016-2017).

**Horney, Jennifer.** *EAGER-Citizen Science for Infrastructure Monitoring at the Neighborhood Level*, subaward from TEES (prime is National Science Foundation), \$2,706 (2016-2018).

**Horney, Jennifer.** *NSF REU: Cyber-HealthGIS - Research Experiences at the Intersection of Cyber Infrastructure, GIS Science, Computer Science and Health*, subaward from Texas A&M University (prime is National Science Foundation), \$14,611 (2016-2018).

**Horney, Jennifer.** *Pilot Project: Improving research translation via family-based risk communication: Health risks from exposure to recreational areas in Houston contaminated by Hurricane Harvey flooding*, Center for Translational Environmental Health Research (CTEHR) [Prime is NIH], \$72,130 (2017-2018).\*

**Horney, Jennifer.** *Superfund: Comprehensive Tools and Models for Addressing Exposure to Mixtures During Environmental Emergency-Related Contamination Events (Community Engagement Core)*, NIEHS, \$573,278 (2017-2022).\*

**Horney, Jennifer.** *RESTORE: Centers of Excellence*, subaward from Texas A&M University Corpus Christi (prime is Federal Department of Treasury), \$167,036 (2015-2018).

**Horney, Jennifer (sub PI).** *Prioritizing Risks from Oil Spills*, National Academy of Sciences, \$14,703 (2017-2018).\*

**Johnson, Natalie.** *Mechanisms of Particulate Matter Driven Infant Respiratory Disease*, NIH/NIEHS R01 Outstanding New Environmental Scientist Award (ONES), \$2,135,924 (2017-2021).\*

**Johnson, Natalie.** *Pilot Project: Maternal Benzene Exposure following Hurricane Harvey*, Center for Translational Environmental Health Research (CTEHR) [Prime is NIH], \$43,650 (2017-2018).\*

**Kash, Bitia.** *Innovative Managing Director*, National Science Foundation I/UCRC, \$576,815 (2014-2019) [CHOT].

**Kash, Bitia.** *Center for Health Organization Transformation (CHOT) Renewal*, National Science Foundation I/UCRC, \$367,300 (2014-2019) [CHOT].

**Kash, Bitia.** *Research Experiences for Undergraduates (REU)*, National Science Foundation I/UCRC, \$40,000 (2014-2019) [CHOT].

**Kash, Bitia.** *CHOT: The Cost of Postoperative Delirium*, American Society of Anesthesiologists, \$150,000 (2016-2019) [CHOT].

**Kash, Bitia.** *Evaluation of Remote Patient Monitoring in Various Settings*, Texas Children's Hospital, \$150,000 (2016-2019) [CHOT].

**Kash, Bitia.** *Effectiveness of Population Health Programs and Technology Tools*, H.E.B., Inc, \$150,000 (2016-2019) [CHOT].

**Kash, Bitia.** *Customer Service at Central Texas Veterans Health Care System's Austin Outpatient Clinic (VA)*, Central Texas Veterans Health Care System, \$150,000 (2015-2018) [CHOT].

**Kash, Bitia.** *The Role of Disparities in 30 - Day Hospital Readmission Rates*, Main Line Health, \$150,000 (2015-2018) [CHOT].

**Kash, Bitia.** *Future Models of Cancer Care: Implications for Space and Design*, HKS, Inc, \$25,000 (2016-2017) [CHOT].

**Kash, Bitia.** *Exploring Future Models of Care Delivery in Texas*, Texas A&M Health Science Center College of Medicine, \$50,000 (2016-2017) [CHOT].

**Kash, Bitia.** *Virtual Care Clinics: What Can We Learn from Early Adopters*, Carena Health, \$50,000 (2016-2017) [CHOT].

**Kash, Bitia.** *CHOT: Site Contribution*, University of Washington, \$20,000 (2017-2018) [CHOT].\*

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**Kash, Bitia.** *CHOT: Site Contribution*, Florida Atlantic University, \$20,000 (2017-2018) [CHOT].\*

**Kash, Bitia.** *Development of Face-To-Face Training Course Curriculum*, International Atomic Energy Agency (IAEA), \$17,258 (2016-2018) [CHOT].

**Kash, Bitia.** *The Texas Project: Transitions Explored and Studies: Using Data to Prevention Readmissions in the Texas Medical Center*, Texas Medical Foundation, \$48,960 (2016-2017) [CHOT].

**Kash, Bitia.** *Translating the Healthy South Texas Vision into a Framework for Action and Research*, Coastal Bend Health Education Center, \$150,000 (2015-2018) [CHOT].

**Kum, Hye Chung.** *Virtual Social Genome Data Library: A Secure Data Infrastructure for Population Informatics; Seed Grant for Interdisciplinary Research in Big Data*, TEES, Texas A&M University, and Texas A&M Health Science Center, \$50,000 (2016-2017).

**Kum, Hye Chung.** *Leveraging Motor Vehicle Crash*, subaward from the Texas Transportation Institute (prime is Centers for Disease Control and Prevention), \$390,331 (2016-2018).

**Kum, Hye Chung.** *Privacy Preserving Interactive Record Linkages (PPIRL)*, Patient Centered Outcomes Research Institute (PCORI), \$1,019,641 (2017-2021).\*

**Kum, Hye Chung.** *EAGER: Collaborative Research: A Benchmark Data Linkage Repository*, subaward from TEES (prime is National Science Foundation), \$39,928 (2017-2019).\*

**McDonald, Thomas.** *Superfund: Comprehensive Tools and Models for Addressing Exposure to Mixtures During Environmental Emergency-Related Contamination Events (Research Translation Core)*, NIEHS, \$324,430 (2017-2022).\*

**McKyer, E. Lisako.** *Go, Slow, Whoa! Utilizing a Food Labeling System to Make "Healthy" the Easy Choice*, Texas Medical Foundation, \$57,464 (2016-2018).

**McKyer, E. Lisako.** *Southwest Rural Health Research Center, Year 1 Project 1: Are Rural Mothers and Infants Benefitting from National Women, Infants and Children (WIC) Policy?*, Health Resources and Services Administration (HRSA), \$123,866 (2016-2017) [SRHRC].

**McKyer, E. Lisako.** *DFPS Program Evaluation*, subaward from Texas A&M AgriLife Research (prime is DSHS), \$154,851 (2016-2018) [CCHD].

**McKyer, E. Lisako.** *NAATPN and HDEART Workshop of Tobacco & Cancer Disparities*, The National African American Tobacco Prevention Network (NAATPN), \$45,000 (2016-2017).

**McKyer, E. Lisako.** *Healthy Texas Babies Coalition Evaluation*, Texas Department of State Health Services, \$400,000 (2015-2017) [CCHD].

**McKyer, E. Lisako.** *Texas Rape Prevention and Education Evaluation*, Office of the Attorney General of Texas (Prime is Centers for Disease Control and Prevention), \$467,505 (2017-2018) [CCHD].\*

**McKyer, E. Lisako.** *Southwest Rural Health Research Center, Year 2 Project 1: Women, Infants, and Children (WIC) 2009 Package Revisions on Participants in Rural Areas with Extreme Poverty Levels: Impact on Infant Breastfeeding, Infant Feeding, and Health Outcomes*, Health Resources and Services Administration (HRSA), \$123,797 (2017-2018) [SRHRC].\*

**McLeroy, Kenneth and Wilson, Kelly.** *Integrating Teen Pregnancy Prevention Innovative Practices (iTIP)*, Office of Adolescent Health, \$3,000,000 (2015-2017) [CCHD].

**McMaughan, Darcy.** *STAR KIDS*, Texas Health and Human Services Commission (TXHHSC), \$1,214,885 (2014-2017).

**McMaughan, Darcy.** *STAR KIDS: Optimizing the Assessment Instrument*, Texas Health and Human Services Commission (TXHHSC), \$524,882 (2014-2017).\*

**McMaughan, Darcy.** *Developing a Provider Tool to Improve Health Care Transition Outcomes Through the Promotion of Medical Homes for CSHCN*, Texas Department of State Health Services (DSHS), \$180,000 (2017-2019).\*

**McMaughan, Darcy.** *Resident, Site, and Care Coordination Characteristics in Unlicensed Board and Care Homes: A Pilot Study in Houston, Texas*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2016-2017).

**McMaughan, Darcy.** *Southwest Rural Health Research Center, Year 1 Project 3: Provision of Skilled Nursing in Rural America: Skilled Nursing Facilities and Swing Beds*, Health Resources and Services Administration, \$119,387 (2016-2017) [SRHRC].

**McMaughan, Darcy.** *Southwest Rural Health Research Center, Year 2 Project 3: Quality Measures for Skilled Nursing Care in Rural Swing Beds: What Works and What Doesn't?*, Health Resources and Services Administration, \$119,561 (2017-2018) [SRHRC].\*

**Mehta, Ranjana.** *Obesity, Stress, and Neuromuscular Function in the Elderly*, NIH National Institute on Aging, \$347,527 (2015-2018).

**Mehta, Ranjana.** *Factoring in the Human in Offshore Operations: Forces for Scenario Planning*, National Academy of Sciences, Engineering, and Medicine (NAS), \$199,398 (2016-2017).

**Mehta, Ranjana.** *Cognitive Ergonomics Study: Project F Chairs*, Herman Miller, \$64,877 (2017-2018).\*

**Mehta, Ranjana.** *RAPID: Human-Robotic Interactions During Hurricane Harvey Recovery Operations*, National Science Foundation, \$117,579 (2017-2018).\*

**Mehta, Ranjana and Ashley Shortz.** *Development of Fatigue Risk Assessment Method for High Risk Environments*, Southwest Center for Agriculture Health, Injury Prevention, and Education (SW Ag Center) [Prime is NIOSH], \$9,968 (2017-2018).\*

**Mendoza, Itza.** *Influence of contaminant antibiotics on antibiotic resistance in soils*, Texas A&M University PESCA Program, \$25,000 (2017-2018).\*

**Mendoza, Itza.** *Spread of Contaminant Antibiotics and Antibiotic Resistance in Soils Due to Extreme Weather Events*, Texas A&M University CONACYT Program, \$24,000 (2017-2018).\*

**Mendoza, Itza.** *Farmworkers Risk of Exposure to Antibiotic-resistant Bacteria in Soils*, Southwest Center for Agriculture Health, Injury Prevention, and Education (SW Ag Center) [Prime is NIOSH], \$18,500 (2017-2018).\*

**Mendoza, Itza.** *Temporal Occurrence of Antibiotic-Resistant Genes in Public Areas Impacted by Hurricane Harvey*, Center for Translational Environmental Health Research (CTEHR) [Prime is NIH], \$36,375 (2017-2018).\*



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**Mendoza, Itza.** *Bacterial kinetic and antibiotic resistance in soils due to antibiotic contamination*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2017-2018).\*

**Miller Nimmons, Katherine.** *Colonia Integrated Care Program: Valley Interprofessional Development and Services (VIDAS)*, The University of Texas Rio Grande (prime is United Health Foundation), \$40,576 (2015-2017) [CCHD].

**Miller Nimmons, Katherine.** *Cancer Survivorship Curriculum Development and Implementation*, Texas Department of State Health Services, \$91,520 (2016-2017) [CCHD].

**Miller Nimmons, Katherine.** *Texas Tobacco Quite Line Evaluation and Outreach Assistance*, Texas Department of State Health Services, \$65,000 (2016-2017) [CCHD].

**Miller Nimmons, Katherine.** *El Civics Integrated Education and Training*, Workforce Solutions Brazos Valley Board, \$30,000 (2017-2018) [CCHD].\*

**Morrisey, Michael.** *All Kids Proposal for Special Projects*, Subaward from The University of Alabama Birmingham (prime is Alabama Department of Health, Centers for Medicare and Medicaid Services), \$31,500 (2016-2017).

**Morrisey, Michael.** *All Kids Proposal for Special Projects*, Subaward from The University of Alabama Birmingham (prime is Alabama Department of Health, Centers for Medicare and Medicaid Services), \$32,000 (2017-2018).\*

**Ohsfeldt, Robert.** *Technology Directed Advanced Radiation Therapy of Lung Cancer*, subaward from the University of Texas Southwestern Medical Center (prime is Cancer Prevention & Research Institute of Texas CPRIT), \$232,440 (2011-2018).

**Ohsfeldt, Robert and Kum, Hye Chung.** *Evaluation of Texas 1115 Medicaid Transformation Waiver*, Texas Health and Human Services Commission (TxHHSC), \$2,550,000 (2013-2017).

**Ohsfeldt, Robert and Kum, Hye Chung.** *Integration of Primary Healthcare into Behavioral Healthcare*, Texas Health and Human Services Commission (TxHHSC), \$578,628 (2014-2017).

**Ory, Marcia (PI) and Ledric Sherman (Diversity PI).** *Diversity Supplement: Physical Activity Impacts of a Planned Activity-Friendly Community: The What, Where, When, and Why of Environmental Approaches to Obesity Prevention*, National Institutes of Health, \$297,939 (2018-2020) [CPHA].\*

**Ory, Marcia G.** *Brazos Valley Area Agency on Aging Evidence Based Programs for Seniors*, Brazos Valley Council of Governments Area Agency on Aging, \$76,200 (2013-2018) [CPHA].

**Ory, Marcia G.** *Healthy South Texas*, State of Texas, \$5,000,000 (2016-2017) [CPHA].

**Ory, Marcia G.** *Healthy South Texas*, State of Texas, \$5,000,000 (2018-2019) [CPHA].

**Ory, Marcia G.** *Physical Activity Impacts of a Planned Activity-Friendly Community: The What, Where, When, and Why of Environmental Approaches to Obesity Prevention*, National Institutes of Health, \$2,684,000 (2015-2020) [CPHA].

**Ory, Marcia G.** *Falls Reduction Education and Empowerment (FREE) Partnership*, Subaward from United Way Tarrant County (prime is Administration on Aging), \$163,083 (2015-2017) [CPHA].

**Ory, Marcia G.** *SUSTAIN for Better Health and Health Care for Older Adults*, DHHS Administration for Community Living (ACL), \$895,189 (2016-2018) [CPHA].

**Ory, Marcia G.** *Texercise Select: Building the Evidence-Base*, Texas Department of State Health Services, \$405,895 (2015-2017) [CPHA].

**Ory, Marcia G.** *Texas Model for Dementia Capable Communities*, Texas Council on Alzheimer's Disease and Related Disorders (TARCC), \$549,344 (2016-2018) [CPHA].

**Ory, Marcia G. (Co-PI) and Jenna Anding (PI).** *Working on Wellness (WOW)*, Centers for Disease Control & Prevention, \$2,688,990 (2014-2018) [CPHA].

**Peres, S. Camille.** *NSF Eager: Humans, Teams, and Technologies: Human-Team and Team-Machine Interaction in Emergency Response*, National Science Foundation, \$239,870 (2016-2018).

**Peres, S. Camille.** *Advanced Procedures Research Study Phase III, A Human Factored Approach*, TEES/Chevron Technology Ventures, \$60,000 (2017-2018).\*

**Peres, S. Camille.** *Advanced Procedures Research Study Phase III, A Human Factored Approach*, TEES/Exxon Mobil Production Company, \$50,000 (2017-2018).\*

**Peres, S. Camille.** *Advanced Procedures Research Study Phase III, A Human Factored Approach*, TEES/NOVA Chemicals, \$12,623 (2017-2018).\*

**Peres, S. Camille.** *Advanced Procedures Research Study Phase III, A Human Factored Approach*, TEES/ATR, \$5,198 (2017-2018).\*

**Peres, S. Camille.** *Procedural Warnings*, Wright State University Center for Operator Performance, \$36,807 (2015-2017).

**Peres, S. Camille.** *Expertise Acquisition with Industrial Tasks: How does Procedure Use Change and When*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2017-2018).\*

**Pickens, Adam.** *TTI (DOT): Evaluation of Safety Practices for Short Duration Work Zones (Phase II)*, subaward from Texas Transportation Institute (prime is Ohio Department of Transportation), \$46,925 (2016-2017).

**Quiram, Barbara.** *Mass Fatality Training Part 2*, Texas Department of State Health Services, \$105,000 (2017) [USA].\*

**Quiram, Barbara.** *Cause of Death On-line Trainings*, Texas Department of State Health Services, \$350,150 (2017-2020) [USA].\*

**Quiram, Barbara.** *Weaving the Tasina Luta: A Community-based Participatory Research Approach to Implementation and Engagement with a Tribal Public Health Plan*, Robert Wood Johnson Foundation, \$100,000 (2017-2018) [USA].\*

**Quiram, Barbara.** *Proposal to Develop Text IT Messaging. Campaign Targeting Adolescent Mothers and Breastfeeding in a Post-Conflict County (El Salvador)*, subaward from the Texas A&M Center on Conflict and Development (ConDev), United States Agency for International Development (USAID), \$25,000 (2016-2017) [USA].

**Quiram, Barbara.** *Technical Assistance*, South Dakota Department of Health, \$30,629 (2017) [USA].\*

# Active Grants & Contracts CY2017

**Radcliff, Tiffany.** *VEMEC IPA: VA Emergency Management and Evaluation Center Interagency Personnel Agreement*, U.S. Department of Veteran's Affairs, \$479,295 (2011-2018).

**Radcliff, Tiffany.** *Rural Lifestyle Eating and Activity Program (Rural LEAP)*, subaward from the University of Florida (prime is NIH), \$54,307 (2013-2018).

**Schmit, Cason.** *Federal Data Protection Law Summaries*, University of Michigan [Prime is Robert Wood Johnson Foundation], \$20,000 (2017-2017).\*

**Sharkey, Joseph R..** *Salud Para Usted y Su Familia [Health for You and Your Family]: Family -Focused Childhood Obesity Prevention through a Systems-Oriented Multilevel Approach in Arizona, New Mexico, and Texas Border Area*, United States Department of Agriculture USDA National Institute of Food and Agriculture, \$4,904,638 (2015-2020).

**Sharkey, Joseph R..** *Empowering Rural Communities and Families: Preventing Chronic Disease Through Experiential Nutrition Education*, United States Department of Agriculture USDA National Institute of Food and Agriculture, \$322,000 (2017-2019).\*

**Sharma, Virender.** *I-Corps: Ferrate Technology in Healthcare Surfaces Disinfection*, National Science Foundation, \$50,000 (2016-2017).

**Sharma, Virender.** *Research Agreement*, Private Industry, \$138,516 (2017-2018) \*

**Smith, Matthew L.** *Evaluating Evidence-based Fall Prevention and Disease Self-Management Programs*, National Council on Aging (NCOA), \$22,912 (2017-2018) [CPHA].\*

**Smith, Matthew L.** *Putting CDSMP to Work: Implementation of the Live Healthy, Work Healthy Program*, Subaward transfer University of Georgia Athens [Prime is National Institutes of Health/NHLBI], \$2,533,285 (2015-2019) [CPHA].\*

**Taylor, Brandie.** *The Role of Early Pregnancy Serum Markers of Cellular Damage, Innate Immune Signaling and Angiogenesis in Preeclampsia Subtypes*, The Discovery Foundation, \$181,507 (2015-2018).

**Taylor, Brandie.** *Identifying Biomarkers and Genetic Risk Factors Predictive of Reproductive Sequelae*, Subaward from University of North Carolina (prime is National Institutes of Health), \$56,106 (2015-2017).

**Taylor, Brandie.** *Maternal and Child Health Public Health Training Program*, Health Resources and Services Administration, \$350,000 (2015-2020).

**Taylor, Brandie and Maria Perez-Patron.** *R40: Maternal and Child Health Field-Initiated Research Program*, Health Resources and Services Administration, \$100,000 (2017-2018).\*

**Taylor, Nicholas.** *Integrative gene expression profiling of primary colorectal cancer and adjacent extratumoral microenvironment*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2017-2018).\*

**Tekwe, Carmen.** *Novel Percentile-Based Statistical Methods to Model BMI Percentiles in Childhood Obesity*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2015-2017).

**Tekwe, Carmen (Primary PI: Raymond Carroll).** *Research Supplement to Promote Diversity in Cancer Research: Measurement Error, Nutrition, Physical Activity, and Cancer*, National Cancer Institute NCI, \$384,389 (2017-2019).\*

**Towne, Samuel.** *No Falls Partnership*, United Way Tarrant County (Prime is DHHS Administration for Community Living ACL), \$96,000 (2017-2020) [CPHA].\*

**Xu, Xiauhuo.** *Interaction between Genes and Air Pollution in Relation to Cardiometabolic Risk in US Population*, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2016-2017).

**Xu, Xiauhuo.** *K award: Associations between Ambient Air Pollution and Adverse Birth Outcomes in Florida*, National Institute of Environmental Health Sciences, \$626,535 (2011-2017).

**Zoh, Roger S. (Primary PI: Raymond Carroll).** *Research Supplement to Promote Diversity in Cancer Research: Measurement Error, Nutrition, Physical Activity, and Cancer*, National Cancer Institute NCI, \$357,075 (2017-2019).\*

## Project Key:

\* denotes newly awarded in CY2017.  
[ ] denotes Center affiliated projects.

[CCHD] Center for Community Health Development

[CHOT] Center for Health Organization Transformation

[CPHA] Center for Population Health and Aging

[ERGC] The Ergonomics Center

[SRHRC] Southwest Rural Health Research Center

[USA] USA Center for Rural Public Health Preparedness

# Publications CY 2017

- 1) Akanni OO, **Smith ML**, **Ory MG**. Cost Effectiveness of a Community Exercise and Nutrition Program for Older Adults: Texercise Select *International Journal of Environmental Research and Public Health* 2017 May 20;14(5):10.3390/ijerph14050545.
- 2) Akinlotan M\*, **Bolin JN**, Helduser J, Ojinnaka C\*, Lichorad A, McClellan D. Cervical Cancer Screening Barriers and Risk Factor Knowledge Among Uninsured Women *Journal of Community Health* 2017;1-9.
- 3) Allen JD, **Towne SD**, Maxwell AE, DiMartino L, Leyva B, Bowen DJ, Linnan L, Weiner BJ. Measures of organizational characteristics associated with adoption and/or implementation of innovations: A systematic review *BMC Health Services Research* 2017;17(1):591.
- 4) Almlil LM, Alter CC, Russell RB, Tinker SC, Howards PP, Cragan J, Petersen E, **Carrino GE**, Reefhuis J. Association Between Infant Mortality Attributable to Birth Defects and Payment Source for Delivery - United States, 2011-2013 *MMWR: Morbidity and Mortality Weekly Report* 2017 Jan 27;66(3):84-87.
- 5) Alvarado MM, **Kum HC**, Gonzalez Coronado K, Foster MJ, Ortega P, Lawley MA. Barriers to Remote Health Interventions for Type 2 Diabetes: A Systematic Review and Proposed Classification Scheme *Journal of Medical Internet Research* 2017 Feb 13;19(2):e28.
- 6) Amuta AO\*, Jacobs W\*, Mkuu RS, Espinoza LE, Barry AE, **McKyer ELJ**. Parent-Child Joint Decision Making on Food Choices and Children's Fruits and Vegetable Consumption. *Health Behavior and Policy Review* 2017;4(6):521-530.
- 7) Barraza L, **Schmit CD**, Hoss A. The latest in vaccine policies: selected issues in school vaccinations, healthcare worker vaccinations, and pharmacist vaccination authority laws *The Journal of Law, Medicine & Ethics* 2017;45(1\_suppl):16-19.
- 8) Bateman-House A, Bayer R, Colgrove J, **Fairchild AL**, McMahon CE. Free to Consume? Anti-Paternalism and the Politics of New York City's Soda Cap Saga *Public Health Ethics* 2017:phw046.
- 9) Belza B, Altpeter M, **Smith ML**, **Ory MG**. The Healthy Aging Research Network: Modeling Collaboration for Community Impact *American Journal of Preventive Medicine* 2017 Mar;52(3S3):S228-S232.
- 10) Bergeron CD, Goltz HH, Szucs LE, Reyes JV, Wilson KL, **Ory MG**, **Smith ML**. Exploring sexual behaviors and health communication among older women *Health Care for Women International* 2017 May 11:1-17.
- 11) Bergeron CD, **Ory MG**, Goltz HH, **Towne SD**, Ahn S, **Mier N**, **Smith ML**. Preferred health information sources: An examination of vulnerable middle-aged and older women *Journal of Family Strengths* 2017;17(1):8.
- 12) Blackburn J, Becker DJ, **Morrisey MA**, Kilgore ML, Sen B, Caldwell C, Menachemi N. An assessment of the CHIP/Medicaid quality measure for ADHD *The American Journal of Managed Care* 2017 Jan 1;23(1):e1-e9.
- 13) Blackburn J, **Morrisey MA**, Sen B. Outcomes associated with early preventive dental care among Medicaid-Enrolled Children in Alabama *JAMA Pediatrics* 2017;171(4):335-341.
- 14) Brewster CS, **Sharma VK**, **Cizmas L**, **McDonald TJ**. Occurrence, distribution and composition of aliphatic and polycyclic aromatic hydrocarbons in sediment cores from the Lower Fox River, Wisconsin, US *Environmental Science and Pollution Research* 2017:1-15.
- 15) Buchanan JJ, Park I, Chen J, Wright DL, **Mehta RK**. Bimanual coordination patterns are stabilized under monitoring-pressure *Experimental Brain Research* 2017;235(6):1909-1918.
- 16) **Burdine JN**, Felix MRJ. A Personal History of the Evolution of Health Status Assessment *Journal of Public Health Management and Practice* 2017 Jul/Aug;23 Suppl 4 Supplement, Community Health Status Assessment:S9-S13.
- 17) **Burdine JN**, Smith LU. Introduction: Why a Special Issue on "Community Health Assessment"? *Journal of Public Health Management and Practice* 2017 Jul/Aug;23 Suppl 4 Supplement, Community Health Status Assessment:S1-S2.
- 18) **Callaghan TH**, Jacobs LR. The Future of Health Care Reform: What Is Driving Enrollment? *Journal of Health Politics, Policy and Law* 2017 Apr;42(2):215-246.
- 19) **Callaghan TH**, Olson A. Unearthing the Hidden Welfare State: Race, Political Attitudes, and Unforeseen Consequences *Journal of Race, Ethnicity and Politics* 2017;2(1):63-87.
- 20) **Carrillo G**, **Perez-Patron MJ**, Lucio RL, Cabrera L, Trevino A, **Xu X**, **Mier N**. The Benefits and Challenges of Managing Asthma in Hispanic Families in South Texas: a Mixed-Methods Study. *Frontiers in Public Health* 2017;5.
- 21) **Carrillo G**, Uribe F, Lucio R, Ramirez Lopez A, Korc M. The United States-Mexico border Environmental Public Health: The Challenges of Working with Two Systems *Pan American Journal of Public Health* 2017;41:e98.
- 22) Charles DP, Truong C, **Kum HC**, Nwaiwu O\*, **Ohsfeldt RL**. Post-acute Care for Children and Youth in Texas, 2011-2014. *Clinical Medicine Insights: Pediatrics* 2017 01/01; 2018/03;11:1179556517711445.
- 23) Chen R, Yin P, Meng X, Liu C, Wang L, **Xu X**, **Ross JA**, Tse LA, Zhao Z, Kan H. Fine Particulate Air Pollution and Daily Mortality: A Nationwide Analysis in 272 Chinese Cities *American Journal of Respiratory And Critical Care Medicine* 2017(ja).
- 24) Chen S, Lu W, **Zhao H**. An improved survival estimator for censored medical costs with a kernel approach *Communications in Statistics-Theory and Methods* 2017:1-15.
- 25) Chen Y, Lu X, Liu L, Wan D, Chen H, Zhou D, **Sharma VK**. Oxidation of  $\beta$ -blockers by birnessite: Kinetics, mechanism and effect of metal ions *Chemosphere* 2017.
- 26) Cichocki JA, Furuya S, Konganti K, Luo YS, **McDonald TJ**, Iwata Y, Chiu WA, Threadgill DW, Pogribny IP, Rusyn I. Impact of Nonalcoholic Fatty Liver Disease on Toxicokinetics of Tetrachloroethylene in Mice *Journal of Pharmacology and Experimental Therapeutics* 2017 Apr;361(1):17-28.
- 27) Cichocki JA, Furuya S, Venkatratnam A, **McDonald TJ**, Knap AH, Wade T, Sweet S, Chiu WA, Threadgill DW, Rusyn I. Characterization of Variability in Toxicokinetics and Toxicodynamics of Tetrachloroethylene Using the Collaborative Cross Mouse Population *Environmental Health Perspectives* 2017 May 30;125(5):057006.
- 28) Cisse-Egbuonye N\*, Ishdorj A, **McKyer ELJ**, Mkuu R\*. Examining Nutritional Adequacy and Dietary Diversity Among Women in Niger *Maternal and Child Health Journal* 2017;21(6):1408-1416.

# Publications CY 2017

- 29)**Côté MJ**, Smith MA. Forecasting the demand for radiology services *Health Systems* 2017;1-10.
- 30)**Curtis-Robles R**, Zecca IB, Roman-Cruz V, Carbajal ES, Auckland LD, Flores I, **Millard AV**, Hamer SA. Trypanosoma cruzi (Agent of Chagas Disease) in Sympatric Human and Dog Populations in "Colonias" of the Lower Rio Grande Valley of Texas *American Journal of Tropical Medicine and Hygiene* 2017;96(4):805-814.
- 31)**de Cordova MIP**, Leon R, Gutierrez T, **Mier N**, Banda O, Delabra M. Effectiveness of a chronic disease self-management program in Mexico: A randomized controlled study *Journal of Nursing Education and Practice* 2017;7(7):87.
- 32)**Der-Martirosian C**, **Radcliff TA**, Gable AR, Riopelle D, Hagigi FA, Brewster P, Dobalian A. Assessing Hospital Disaster Readiness Over Time at the US Department of Veterans Affairs *Prehospital and Disaster Medicine* 2017;32(1):46-57.
- 33)**Dingman DA**, **Schmit CD**. Authority of Pharmacists to Administer Human Papillomavirus Vaccine: Alignment of State Laws With Age-Level Recommendations *Public Health Reports* 2017;0033354917742117.
- 34)**Doshi RH**, Alfonso VH, Mukadi P, Hoff NA, Gerber S, Bwaka A, Higgins SG, **Colwell B**, Mwamba GN, Okitolonda E. Low Varicella Zoster Virus Seroprevalence Among Young Children in the Democratic Republic of the Congo. *Pediatric Infectious Disease Journal* 2017.
- 35)**Fairchild AL**, Bayer R. *Public Health with a Punch: Fear, Stigma, and Hard-Hitting Media Campaigns* In: Major B, editor. *The Oxford Handbook of Stigma, Discrimination, and Health* : Oxford University Press; 2017. p. 429.
- 36)**Fairchild AL**, Dawson A, Bayer R, Selgelid MJ. The World Health Organization, Public Health Ethics, and Surveillance: Essential Architecture for Social Well-Being *American Journal of Public Health* 2017;107(10):1596-1598.
- 37)**Fairchild AL**, Haghdooost AA, Bayer R, Selgelid MJ, Dawson A, Saxena A, Reis A. Ethics of public health surveillance: new guidelines *The Lancet Public Health* 2017;2(8):e348-e349.
- 38)**Fan S**, Zhaokang Yuan MS M, Liao X, Tu H, Lan G, **Maddock JE**. A Study of Parents' Perception of Air Pollution and Its Effect on Their Children's Respiratory Health in Nanchang, China *Journal of Environmental Health* 2017;79(7):E1.
- 39)**Feng M**, **Cizmas L**, Wang Z, **Sharma VK**. Activation of ferrate (VI) by ammonia in oxidation of flumequine: Kinetics, transformation products, and antibacterial activity assessment *Chemical Engineering Journal* 2017;323:584-591.
- 40)**Feng M**, **Cizmas L**, Wang Z, **Sharma VK**. Synergistic effect of aqueous removal of fluoroquinolones by a combined use of peroxymonosulfate and ferrate (VI) *Chemosphere* 2017;177:144-148.
- 41)**Feng M**, Wang Z, Dionysiou DD, **Sharma VK**. Metal-mediated oxidation of fluoroquinolone antibiotics in water: A review on kinetics, transformation products, and toxicity assessment *Journal of Hazardous Materials* 2017.
- 42)**Finley MD**, Theiss L, Ullman GL, **Pickens AW**, **Benden ME**, Jenkins JM. Evaluation of Safety Practices for Short Duration Work Zones FHWA/OH-2017-29 2017.
- 43)**Forjuoh SN**, Lee C, Won J, **Towne SD**, Wang S, **Ory MG**. Correlates of Receiving a Recommendation for More Physical Activity From a Primary Care Provider *American Journal of Preventive Medicine* 2017 Feb;52(2):207-214.
- 44)**Forjuoh SN**, **Ory MG**, Won J, **Towne SD**, Wang S, Lee C. Determinants of Walking among Middle-Aged and Older Overweight and Obese Adults: Sociodemographic, Health, and Built Environmental Factors *Journal of Obesity* 2017;2017:9565430.
- 45)**Forjuoh SN**, **Ory MG**, Won J, **Towne SD**, Wang S, Lee C. Determinants of walking among middle-aged and older overweight and obese adults: Demographic, health, and socio-environmental factors *World Academy of Science, Engineering and Technology, International Journal of Medical and Health Sciences* 2017;4(7).
- 46)**Fu X**, Gu X, Lu S, **Sharma VK**, Brusseau ML, Xue Y, Danish M, Fu GY, Qiu Z, Sui Q. Benzene oxidation by Fe (III)-activated percarbonate: matrix-constituent effects and degradation pathways *Chemical Engineering Journal* 2017;309:22-29.
- 47)**Garcia KM**, Garney WR, Primm KM, **McLeroy KR**. Evaluation of Community-Based Policy, Systems, and Environment Interventions Targeting the Vending Machines *Family and Community Health* 2017;40(3):198-204.
- 48)**Garcia TP**, Ma Y. Simultaneous treatment of unspecified heteroskedastic model error distribution and mismeasured covariates for restricted moment models *Journal of Econometrics* 2017;200(2):194-206.
- 49)**Garcia TP**, Ma Y, Marder K, Wang Y. Robust mixed effects model for clustered failure time data: Application to Huntington's disease event measures *The Annals of Applied Statistics* 2017;11(2):1085-1116.
- 50)**Garcia TP**, Marder K. Statistical Approaches to Longitudinal Data Analysis in Neurodegenerative Diseases: Huntington's Disease as a Model *Current Neurology and Neuroscience Reports* 2017;17(2):14.
- 51)**Garcia TP**, Marder K, Wang Y. *Statistical Modeling of Huntington Disease Onset* In: Feigin A, editor. *Handbook of Clinical Neurology* . 1st ed. : Elsevier; 2017. p. 47-61.
- 52)**Garcia TP**, Marder K, Wang Y. Time-varying proportional odds model for mega-analysis of clustered event times *Biostatistics* .
- 53)**Garney WR**, Wendel M, **McLeroy KR**, Alaniz A, Cunningham G, Castle B, Ingram M, **Burdine JN**. Using a Community Health Development Framework to Increase Community Capacity: A Multiple Case Study *Family and Community Health* 2017 Jan/Mar;40(1):18-23.
- 54)**Gimm G**, Wood E, **Zanwar P**. Access to Preventive Services for Working-Age Adults with Physical Limitations *Archives of Physical Medicine and Rehabilitation* 2017.
- 55)**Glenn BA**, Crespi CM, Rodriguez HP, Nonzee NJ, Phillips SM, Gorin SNS, Johnson SB, Fernandez ME, Estabrooks P, Kessler R, Roby D, **Ory MG**. Behavioral and mental health risk factor profiles among diverse primary care patients *Preventive Medicine* 2017.
- 56)**Gorman DM**. Has the National Registry of Evidence-based Programs and Practices (NREPP) lost its way? *The International Journal on Drug Policy* 2017 Jul;45:40-41.
- 57)**Gorman DM**. The decline effect in evaluations of the Strengthening Families Program for Youth 10-14 (SFP 10-14) on adolescent substance use *Children and Youth Services Review* 2017.
- 58)**Gorman DM**. The decline effect in evaluations of the impact of the Strengthening Families Program for Youth 10-14 (SFP 10-14) on adolescent substance use *Children and Youth Services Review* 2017;81:29-39.

# Publications CY 2017

- 59) **Gorman DM**, Elkins AD\*, Lawley M. A Systems Approach to Understanding and Improving Research Integrity *Science and Engineering Ethics* :1-19.
- 60) **Gorman DM**, Ponicki WR, **Zheng Q**, **Han D**, Gruenewald PJ, Gaidus AJ. Violent crime redistribution in a city following a substantial increase in the number of off-sale alcohol outlets: A Bayesian analysis *Drug and Alcohol Review*.
- 61) Grabich SC\*, Robinson WR, Konrad CE, **Horney JA**. Impact of Hurricane Exposure on Reproductive Health Outcomes, Florida, 2004 *Disaster Medicine and Public Health Preparedness* 2017;1:1-5.
- 62) Grobe S, Kakar RS, **Smith ML**, **Mehta RK**, Baghurst T, Boolani A. Impact of cognitive fatigue on gait and sway among older adults: A literature review *Preventive Medicine Reports* 2017.
- 63) **Han G**, Schell MJ, Zhang H, Zelterman D, Pusztai L, Adelson K, Hatzis C. Testing violations of the exponential assumption in cancer clinical trials with survival endpoints *Biometrics* 2017 Jun;73(2):687-695.
- 64) **Han G**, Zhao B\*, Pye K\*, **Zhao H**. The piecewise exponential distribution *Significance* 2017;14(6):10-11.
- 65) He G, Li C, Zhang T, Zhao J, **Sharma VK**, **Cizmas L**. Transformation of bisphenol A during chloramination in a pilot-scale water distribution system: Effect of pH, flow velocity and type of pipes *Chemical Engineering Journal* 2017;312:275-287.
- 66) Hillemeier MM, Domino ME, Wells R, Goyal RK, **Kum HC**, Cilenti D, Basu A. Does Maternity Care Coordination Influence Perinatal Health Care Utilization? Evidence from North Carolina *Health Services Research*.
- 67) Hoff NA, Doshi RH, **Colwell B**, Kebela-Illunga B, Muyembe-Tamfum J, Okitolonda-Wemakoy E, Lloyd-Smith J, Rimoin AW. Evolution of a Disease Surveillance System: An Increase in Reporting of Human Monkeypox Disease in the Democratic Republic of the Congo, 2001-2013 *International Journal of Tropical Disease and Health* 2017;25(2):1-10.
- 68) **Hong AY**, Forjuoh NS, **Ory MG**, Reis DM, Sang H. A Multi-Level, Mobile-Enabled Intervention to Promote Physical Activity in Older Adults in the Primary Care Setting (iCanFit 2.0): Protocol for a Cluster Randomized Controlled Trial. *JMIR Research Protocol* 2017 09/12;6(9):e183.
- 69) **Hong YA**, Zhou Z, Fang Y, Shi L. The Digital Divide and Health Disparities in China: Evidence From a National Survey and Policy Implications *Journal of Medical Internet Research* 2017 Sep 11;19(9):e317.
- 70) **Horney JA**, Carbone EG, Lynch M, Wang ZJ, Jones T, Rose DA. How Health Department Contextual Factors Affect Public Health Preparedness (PHP) and Perceptions of the 15 PHP Capabilities *American Journal of Public Health* 2017;107(S2):S153-S160.
- 71) **Horney JA**, Dwyer C\*, Aminto, Meghan,\*, Berke P, Smith G. Developing indicators to measure post-disaster community recovery in the United States *Disasters* 2017;41(1):124-149.
- 72) **Horney JA**, Goldberg D, Hammond T, Stone K, Smitherman S. Assessing the Prevalence of Risk Factors for Neglected Tropical Diseases in Brazos County, Texas *PLoS Currents Outbreaks* 2017.
- 73) **Horney JA**, Nguyen M, Salvesen D, Dwyer C, Cooper J, Berke P. Assessing the quality of rural hazard mitigation plans in the Southeastern United States *Journal of Planning Education and Research* 2017;37(1):56-65.
- 74) Horrell LN, Kneipp SM, Ahn S, **Towne SD**, Mingo CA, **Ory MG**, **Smith ML**. Chronic disease self-management education courses: utilization by low-income, middle-aged participants *International Journal for Equity in Health* 2017 Jun 27;16(1):114-017-0604-0.
- 75) Hu H, Ha S, **Xu X**. Ozone and hypertensive disorders of pregnancy in Florida: Identifying critical windows of exposure *Environmental Research* 2017;153:120-125.
- 76) Imanpour S, Nwaiwu O, **McMaughan DK**, DeSalvo B, Bashir A. Factors associated with antibiotic prescriptions for the viral origin diseases in office-based practices, 2006–2012 *Journal of the Royal Society of Medicine Open* 2017;8(8):2054270417717668.
- 77) Jacobs W\*, Goodson P, Barry AE, **McLeroy KR**, **McKyer ELJ**, Valente TW. Adolescent Social Networks and Alcohol Use: Variability by Gender and Type *Substance Use and Misuse* 2017;52(4):477-487.
- 78) Jain B, Singh AK, **Sharma VK**. Degradation of naphthylazo anionic dye by Fenton and Fenton-like processes: a comparative study with Fast sulphon black-F *Desalination and Water Treatment* 2017;62:252-256.
- 79) Jia H, Zhao s, Nulaji G, Tao K, Wang F, **Sharma VK**, Wang C. Environmentally Persistent Free Radicals in Soils of Past Coking Sites: Distribution and Stabilization *Environmental Science & Technology*.
- 80) Jiang S, **Hong YA**. Mobile-based patient-provider communication in cancer survivors: The roles of health literacy and patient activation. *Psycho-Oncology* 2017.
- 81) Jones M, Kearney GD, **Xu X**, Norwood T, Proescholdbell SK. Mortality Rates and Cause of Death Among Former Prison Inmates in North Carolina *North Carolina Medical Journal* 2017 Jul-Aug;78(4):223-229.
- 82) **Kash BA**. Editorial *Journal of Healthcare Management* 2017 January/February;62(1):1-2.
- 83) **Kash BA**. Editorial *Journal of Healthcare Management* 2017 March/April;62(2):79-80.
- 84) **Kash BA**. Editorial *Journal of Healthcare Management* 2017 May/June;62(3): 153-154.
- 85) **Kash BA**. Editorial *Journal of Healthcare Management* 2017 July/August;62(4):223-224.
- 86) **Kash BA**. Editorial *Journal of Healthcare Management* 2017 September/October;62(5):287-288.
- 87) **Kash BA**. Editorial *Journal of Healthcare Management* 2017 November/December;62(6):356-357.
- 88) **Kash BA**. Interview With Eugene A.Woods, FACHE, President and CEO, Carolinas HealthCare System, Charlotte, North Carolina *Journal of Healthcare Management* 2017;62(5):289-292.
- 89) **Kash BA**. Interview With Sherril B. Gelmon, DrPH, FACHE, Professor of Health Systems Management and Policy, Oregon Health & Science University and Portland State University School of Public Health *Journal of Healthcare Management* 2017;62(1):3.
- 90) **Kash BA**, Baek J\*, Davis E, Champagne-Langabeer T, Li JRL. Review of Successful Hospital Readmission Reduction Strategies and the Role of Health Information Exchange *International Journal of Medical Informatics* 2017.
- 91) **Kash BA**, Capozzalo GL. Interview With Gayle L. Capozzalo, FACHE, Executive Vice President and Chief Strategy Officer, Yale New Haven Health System, New Haven, Connecticut *Journal of Healthcare Management* 2017;62(4):225-228.

# Publications CY 2017

- 92) **Kash BA, Lin S, Baek J\*, Ohsfeldt RL.** The Diabetes Management Education Program in South Texas: An Economic and Clinical Impact Analysis *Frontiers in Public Health* 2017;5:345.
- 93) **Kash BA, Ogden P, Popp E, Shaffer M, Bolin JN.** Exploring future models of primary care for Texas *International Journal of Innovation Science* 2017;9(4):435-454.
- 94) **Kash BA.** Interview with Sherril B. Gelmon, DRPH, FACHE, Professor of Health Systems Management and Policy, Oregon Health & Science University and Portland State University School of Public Health *Journal of Healthcare Management* 2017;62(1):225-228.
- 95) **Kash BA, McKahan M.** The Evolution of Measuring Patient Satisfaction *Journal of Primary Health Care & General Practice* 2017;4:2.
- 96) **Kim J, Ohsfeldt RL, Gamm LD, Radcliff TA, Jiang L.** Hospital Characteristics are Associated With Readiness to Attain Stage 2 Meaningful Use of Electronic Health Records *The Journal of Rural Health* 2017;33(3):275-283.
- 97) **Kim SJ, Lim GJ, Cho J, Côté MJ.** Drone-Aided Healthcare Services for Patients with Chronic Diseases in Rural Areas *Journal of Intelligent & Robotic Systems* 2017:1-18.
- 98) **Kim S, Connaughton DP, Spengler JO, Lee JH.** Legislative Efforts to Reduce Concussions in Youth Sports: An Analysis of State Concussion Statutes *Journal of Legal Aspects of Sport* 2017;27(2):162-186.
- 99) **Kim S, Seidler TL, Connaughton DP, Spengler JO.** An exploratory examination of risk-management practices in South Korean community sport clubs *Asia Pacific Journal of Sport and Social Science* 2017;6(1):87-98.
- 100) **Kirsch K\*, Horney JA.** An integrated platform for disaster recovery planning, management, and tracking. *Carolina Planning Journal.* 2017;42(1):104-109.
- 101) **Ko YJ, Chang Y, Jang W, Sagas M, Spengler JO.** A Hierarchical Approach for Predicting Sport Consumption Behavior: A Personality and Needs Perspective. *Journal of Sport Management* 2017;31(3):213-228.
- 102) **Kochkodan OD, Kochkodan VM, Sharma VK.** Removal of Cu (II) in water by polymer enhanced ultrafiltration: Influence of polymer nature and pH *Journal of Environmental Science and Health, Part A* 2017:1-6.
- 103) **Kum HC.** Incremental Interactive Record Linkage using Human Intelligence Tasks (HITs) *International Journal for Population Data Science* 2017;1(1).
- 104) **Kum HC, Jain P.** K-Anonymity Based Privacy Risk Budgeting System for Interactive Record Linkage *International Journal for Population Data Science* 2017;1(1).
- 105) **Ladia MAJ, Millard AV.** Clinical Ramifications of TB Stigma in Baguio City, Philippines *Acta Medica Philippina* 2017;51(2):111-115.
- 106) **Langabeer JR, 2nd, Champagne-Langabeer T, Helton JR, Segrest W, Kash BA, DelliFraine J, Fowler R.** Interorganizational Collaboration in Emergency Cardiovascular Care *Quality Management in Health Care* 2017 Jan/Mar;26(1):1-6.
- 107) **Lee S\*, Lee C, Ory MG, Won J, Towne SD, Wang S, Forjuoh SN.** Fear of Outdoor Falling Among Community-Dwelling Middle-Aged and Older Adults: The Role of Neighborhood Environments *Gerontologist.*
- 108) **Leonard C, Lawrence E, McCreight M, Lippmann B, Kelley L, Mayberry A, Ladebue A, Gilmartin H, Côté MJ, Jones J.** Implementation and dissemination of a transition of care program for rural veterans: a controlled before and after study *Implementation Science* 2017;12(1):123.
- 109) **Leroux TC, Côté MJ, Kum HC, Dabney A, Wells R.** Transitioning to Patient-Centered Medical Homes: Associations With Appointment Availability *Military Medicine* 2017 Mar;182(3):e1741-e1746.
- 110) **Li C, Dong F, Feng L, Zhao J, Zhang T, Cizmas L, Sharma VK.** Bacterial community structure and microorganism inactivation following water treatment with ferrate (VI) or chlorine *Environmental Chemistry Letters* 2017:1-6.
- 111) **Li C, Feng L, Dong F, Zhao J, Zhang T, He G, Cizmas L, Sharma VK.** Chlorine decay and trihalomethane formation following ferrate (VI) preoxidation and chlorination of drinking water *Chemosphere* 2017.
- 112) **Liao W, Sharma VK, Xu S, Li Q, Wang L.** Microwave-Enhanced Photolysis of Norfloxacin: Kinetics, Matrix Effects, and Degradation Pathways *International Journal of Environmental Research and Public Health* 2017;14(12):1564.
- 113) **Liberatore HK, Plewa MJ, Wagner ED, VanBriesen JM, Burnett DB, Cizmas L, Richardson SD.** Identification and Comparative Mammalian Cell Cytotoxicity of New Iodo-Phenolic Disinfection By-Products in Chloraminated Oil and Gas Wastewaters *Environmental Science & Technology Letters* 2017.
- 114) **Lieben CK, Blokland A, Deutz NE, Jansen W, Han G, Hupperts RM.** Intake of tryptophan-enriched whey protein acutely enhances recall of positive loaded words in patients with multiple sclerosis *Clinical Nutrition* 2017.
- 115) **Lillibridge SR.** Reviewed: Disaster Medicine-Comprehensive Principles and Practices. Kristi L. Koenig & Carl H. Schultz. 2016-Cambridge University Press *Prehospital and Disaster Medicine* 2017;32(1):112-113.
- 116) **Lin H, Oturan N, Wu J, Shama VK, Zhang H, Oturan MA.** Removal of artificial sweetener aspartame from aqueous media by electrochemical advanced oxidation processes *Chemosphere* 2017;167:220-227.
- 117) **Lin S, Adepoju OE, Kash BA, DeSalvo B, McMaughan DK.** Psychological Distress and the Use of Clinical Preventive Services by Community-Dwelling Older Adults *Journal of Applied Gerontology* 2017:0733464817693376.
- 118) **Liu J, Qu R, Wang Z, Mendoza-Sanchez I, Sharma VK.** Thermal- and photo-induced degradation of perfluorinated carboxylic acids: Kinetics and mechanism *Water Research* 2017;126:12-18.
- 119) **Livingstone MC, Johnson NM, Roebuck BD, Kensler TW, Groopman JD.** Profound changes in miRNA expression during cancer initiation by aflatoxin B1 and their abrogation by the chemopreventive triterpenoid CDDO-Im *Molecular Carcinogenesis* 2017.
- 120) **Livingstone MC, Roebuck BD, Johnson NM, Kensler TW, Groopman JD.** Elevated levels of circulating miR-34a-5p and miR-181c-3p during cancer initiation by aflatoxin B<sub>1</sub> *Cancer Research* 2017 American Association for Cancer Research;77(13 Supplement):4448-4448.
- 121) **Lorden AL, Jiang L, Radcliff TA, Kelly KA, Ohsfeldt RL.** Potentially Preventable Hospitalizations and the Burden of Healthcare-Associated Infections *Health Services Research and Managerial Epidemiology* 2017;4.

# Publications CY 2017

- 122)Luo Y, Cichocki JA, **McDonald TJ**, Rusyn I. Simultaneous detection of the tetrachloroethylene metabolites S-(1, 2, 2-trichlorovinyl) glutathione, S-(1, 2, 2-trichlorovinyl)-L-cysteine, and N-acetyl-S-(1, 2, 2-trichlorovinyl)-L-cysteine in multiple mouse tissues via ultra-high performance liquid chromatography electrospray ionization tandem mass spectrometry *Journal of Toxicology and Environmental Health, Part A* 2017;1-12.
- 123)**Maddock JE**, Umstaddt Meyer MR, Barry A, **Colwell B**. The Future of Health Behavior Research and Training: A Modified Delphi Study *Health Behavior Research* 2017;1(1):6.
- 124)Manoli K, Nakhla G, Feng M, **Sharma VK**, Ray AK. Silica gel-enhanced oxidation of caffeine by ferrate (VI) *Chemical Engineering Journal* 2017.
- 125)Manoli K, Nakhla G, Ray AK, **Sharma VK**. Enhanced oxidative transformation of organic contaminants by activation of ferrate (VI): Possible involvement of Fe VI/Fe IV species *Chemical Engineering Journal* 2017;307:513-517.
- 126)Manoli K, Nakhla G, Ray AK, **Sharma VK**. Oxidation of caffeine by acid-activated ferrate(VI): Effect of ions and natural organic matter *AIChE Journal* ;63:4998-5006.
- 127)Margerison-Zilko C, **Perez-Patron MJ**, Cubbin C. Residential segregation, political representation, and preterm birth among US-and foreign-born Black women in the US 2008–2010 *Health and Place* 2017;46:13-20.
- 128)Mazurenko O, Collum T, **Ferdinand AO**, Menachemi N. Predictors of Hospital Patient Satisfaction as Measured by HCAHPS: A Systematic Review *Journal of Healthcare Management* 2017 Jul/Aug;62(4):272-283.
- 129)McClendon ME, Meyer MRU, Ylitalo KR, **Sharkey JR**. Physical Activity of Mexican-Heritage Youth During the Summer and School-Year: The Role of Parenting Strategies *Journal of Community Health* 2017:1-9.
- 130)McKendrick R, **Mehta RK**, Ayaz H, Scheldrup M, Parasuraman R. Prefrontal hemodynamics of physical activity and environmental complexity during cognitive work *Human Factors* 2017;59(1):147-162.
- 131)**Mehta RK**, Cavuoto LA. Relationship Between BMI and Fatigability Is Task Dependent *Human Factors* 2017:0018720817695194.
- 132)**Mehta RK**, **Peres SC**, Kannan P\*, Rhee J, Shortz AE\*, Mannan MS. Comparison of objective and subjective operator fatigue assessment methods in offshore shiftwork *Journal of Loss Prevention in the Process Industries* 2017.
- 133)**Mehta RK**, Rhee J. Age-specific neural strategies to maintain motor performance after an acute social stress bout *Experimental Brain Research* :1-9.
- 134)**Mendoza-Sanchez I**, Autenrieth RL, **McDonald TJ**, Cunningham JA. Biological limitations of dechlorination of cis-dichloroethene during transport in porous media *Environmental Science & Technology*.
- 135)**Mier N**, **Ory MG**, **Towne SD**, **Smith ML**. Relative Association of Multi-Level Supportive Environments on Poor Health among Older Adults *International Journal of Environmental Research and Public Health* 2017;14(4):387.
- 136)**Mier N**, **Smith ML**, Wang X, **Towne SD**, **Carrillo G**, Garza N, **Ory MG**. Factors Associated With Diet and Exercise Among Overweight and Obese Older Hispanics With Diabetes *SAGE Open* 2017;7(2):1-11.
- 137)**Millard AV**, Graham MA, **Mier N**, Moralez J, **Perez-Patron MJ**, Wickwire B, May ML, **Ory MG**. Diabetes Screening and Prevention in a High-Risk, Medically Isolated Border Community *Frontiers in Public Health* 2017;5:135.
- 138)Moore JB, Cook A, Schuller K, Lu Y, Yuan Z, **Maddock JE**. Physical activity and park use of youth in Nanchang, China *Preventive Medicine Reports* 2017 December 2017;8(Supplement C):256-260.
- 139)**Morrissey MA**, **Radcliff TA**. A study of Affordable Care Act Competitiveness in Texas 2017:1-22.
- 140)**Morrissey MA**, **Radcliff TA**. ACA Exchange Competitiveness In Texas *Risk Management and Insurance Review* 2017;20(2):249-268.
- 141)**Morrissey MA**, Rivlin AM, Nathan RP, Hall MA. Five-State Study of ACA Marketplace Competition 2017:1-22.
- 142)**Morrissey MA**, Rivlin AM, Nathan RP, Hall MA. Five-State Study of ACA Marketplace Competition: A Summary Report *Risk Management and Insurance Review* 2017;20(2):153-172.
- 143)Mougalian SS, Epstein LN, Jhaveri AP, **Han G**, Abu-Khalaf M, Hofstatter EW, DiGiovanna MP, Silber ALM, Adelson K, Puzstai L, Gross CP. Bidirectional Text Messaging to Monitor Endocrine Therapy Adherence and Patient-Reported Outcomes in Breast Cancer *JCO Clinical Cancer Informatics* 2017 08/01; 2017/08 (1):1-10.
- 144)Neher TL,\*, **Towne SD**, Toevs SE. Identifying Factors Associated with Participation in T1D Support Program for Young Adults *PLAID-People Living with And Inspired by Diabetes* 2017;3(1).
- 145)Nichols D, **Dowdy DM**, Atteberry H, Menendez T, Hoelscher DM. Texas Legislator Survey: Lessons Learned from Interviewing State Politicians about Obesity Policies. *Texas Public Health Journal* 2017;69(2).
- 146)Odum M\*, Outley CW, **McKyer ELJ**, Tisone CA, McWhinney SL. Weight-related barriers for overweight students in an elementary physical education classroom: An exploratory case study with one physical education teacher *Frontiers in Public Health* 2017;5:305.
- 147)**Ohsfeldt RL**, Li P, Schneider JE, Stojanovic I, Scheibling CM. Outcomes of Surgeries Performed in Physician Offices Compared With Ambulatory Surgery Centers and Hospital Outpatient Departments in Florida *Health Services Insights* 2017;10.
- 148)Ojinnaka CO, Luo W, **Ory MG**, **McMaughan DK**, **Bolin JN**. Disparities in Surgical Treatment of Early-Stage Breast Cancer Among Female Residents of Texas: The Role of Racial Residential Segregation *Clinical Breast Cancer* 2017;17(2):e43-e52.
- 149)Ojinnaka CO, McClellan DA, Weston C, Pekarek K, Helduser JW, **Bolin JN**. Determinants of HPV vaccine awareness and healthcare providers' discussion of HPV vaccine among females *Preventive Medicine Reports* 2017;5:257-262.
- 150)Olson A, **Callaghan TH**, Karch A. Return of the "Rightful Remedy": Partisan Federalism, Resource Availability, and Nullification Legislation in the American States *Publius: The Journal of Federalism* .
- 151)**Ory MG**, **Smith ML**. What If Healthy Aging Is the "New Normal"? *International Journal of Environmental Research and Public Health* 2017 Nov 15;14(11):10.3390/ijerph14111389.

# Publications CY 2017

- 152) **Ory MG, Towne SD**, Howell D, Quinn C, Eblen KJ, Swierc SM, **Smith ML**. Commentary: Working toward a Multi-Program Strategy in Fall Prevention *Frontiers in Public Health* 2017 Feb 13;5:14.
- 153) **Ory MG**. Commentary on Future of Health Behavior Research: Aging Perspectives *Health Behavior Research* 2017;1(1):4.
- 154) Pajoutan M, Cavuoto LA, **Mehta RK**. Testing the efficacy of existing force-endurance models to account for the prevalence of obesity in the workforce *Journal of Occupational and Environmental Hygiene* 2017(just-accepted).
- 155) Pan B\*, **Towne SD**, Chen Y, Yuan Z. The inequity of inpatient services in rural areas and the New-Type Rural Cooperative Medical System (NRCMS) in China: repeated cross sectional analysis *Health Policy and Planning* 2017;32(5):634-646.
- 156) Park S, Ayala GX, **Sharkey JR**, Blanck HM. Knowledge of Sugar-Sweetened Beverage-Related Health Conditions and Sugar-Sweetened Beverage Intake among US Hispanic Adults *Journal of Nutrition Education and Behavior* 2017;49(7):S81-S82.
- 157) Pennel CL, **Burdine JN**, Prochaska JD, **McLeroy KR**. Common and Critical Components Among Community Health Assessment and Community Health Improvement Planning Models *Journal of Public Health Management and Practice* 2017 Jul/Aug;23 Suppl 4 Supplement, Community Health Status Assessment:S14-S21.
- 158) Pennel CL, **McLeroy KR**, **Burdine JN**, Matarrita-Cascante D, Wang J. A Mixed-Methods Approach to Understanding Community Participation in Community Health Needs Assessments *Journal of Public Health Management and Practice* 2017 Mar/Apr;23(2):112-121.
- 159) **Peres SC**, **Mehta RK**, Ritchey P\*. Assessing ergonomic risks of software: Development of the SEAT *Applied Ergonomics* 2017;59:377-386.
- 160) **Peres SC**, Verona D, Nisar T, Ritchey P\*. Towards a systematic approach to real-time sonification design for surface electromyography *Displays* 2017;47:25-31.
- 161) Pettus AJ, Mendez-Luck CA, Bergeron CD, Ahn S, **Towne SD**, **Ory MG**, **Smith ML**. Internet-Based Resources for Disease Self-Care Among Middle-Aged and Older Women with Chronic Conditions *Journal of Women's Health* 2017 Mar;26(3):222-233.
- 162) Phillips CD, Truong C, **Kum HC**, Nwaiwu O, **Ohsfeldt RL**. Post-acute care for children with special health care needs *Disability and Health Journal* 2017.
- 163) **Pickens AW**, Robertson LD, **Smith ML**, **Zhao H**, **Mehta RK**, Song S. Limitations of a Mobile Hearing Test Application *The Hearing Journal* 2017;70(6):34-36.
- 164) **Pickens AW**, Robertson LD, **Smith ML**, **Zheng Q**, Song S. Headphone Evaluation for App-Based Automated Mobile Hearing Screening *International Archives of Otorhinolaryngology* 2017.
- 165) Rehman JA, **Han G**, Carvajal-Hausdorf DE, Wasserman BE, Pelekanou V, Mani NL, McLaughlin J, Schalper KA, Rimm DL. Quantitative and pathologist-read comparison of the heterogeneity of programmed death-ligand 1 (PD-L1) expression in non-small cell lung cancer *Modern Pathology* 2017 Mar;30(3):340-349.
- 166) Ribisl KM, Fernandez ME, Friedman DB, Hannon PA, Leeman J, Moore A, Olson L, **Ory MG**, Risendal B, Sheble L, Taylor VM, Williams RS, Weiner BJ. Impact of the Cancer Prevention and Control Research Network: Accelerating the Translation of Research Into Practice *American Journal of Preventive Medicine* 2017 Mar;52(3S3):S233-S240.
- 167) Riccio C, **Mehta RK**, Vidrine S, Rhee J, Garrett G, Herrera L. C-56gaming Experience: Hemodynamics and Executive Function *Archives of Clinical Neuropsychology* 2017;32(6):667-765.
- 168) Rimm DL, **Han G**, Taube JM, Yi ES, Bridge JA, Flieder DB, Homer R, West WW, Wu H, Roden AC, Fujimoto J, Yu H, Anders R, Kowalewski A, Rivard C, Rehman J, Batenchuk C, Burns V, Hirsch FR, Wistuba II. A Prospective, Multi-institutional, Pathologist-Based Assessment of 4 Immunohistochemistry Assays for PD-L1 Expression in Non-Small Cell Lung Cancer *JAMA Oncology* 2017 Aug 1;3(8):1051-1058.
- 169) Robinson KT, Bergeron CD, Mingo CA, Meng L, Ahn S, **Towne SD**, **Ory MG**, Lee Smith M. Factors Associated with Pain Frequency among Adults with Chronic Conditions *Journal of Pain and Symptom Management* 2017 Jul 28.
- 170) Rodriguez-Paras C, Tippey K, Brown E, Sasangohar F, Creech S, **Kum HC**, Lawley M, Benzer JK. Posttraumatic Stress Disorder and Mobile Health: App Investigation and Scoping Literature Review *JMIR mHealth and uHealth* 2017 Oct 26;5(10):e156.
- 171) Russell TT, Craddock CS, **Kodatt SA**, Ramirez DM. Preventing Fetal Alcohol Spectrum Disorders: An Evidence-Based Prevention Program for Adolescent and Adult Hispanic Females in the South Texas Border Region. *Online Submission* 2017.
- 172) Saad F, Latour M, Lattouf J, Widmer H, Zorn KC, Mes-Masson A, Ouellet V, Saad G, Prakash A, Choudhury S, **Han G**, Karakiewicz P, Richie JP. Biopsy Based Proteomic Assay Predicts Risk of Biochemical Recurrence after Radical Prostatectomy *The Journal of Urology* 2017 April 2017;197(4):1034-1040.
- 173) Sansom G\*, Parras J, Parras A, Nieto Y, Arellano Y, Berke P, **McDonald TJ**, Shipp E, **Horney JA**. The Impacts of Exposure to Environmental Risk on Physical and Mental Health in a Small Geographic Community in Houston, TX *Journal of Community Health* :1-6.
- 174) Sasangohar F, **Peres SC**, Williams JP\*, Smith A\*, Mannan MS. Investigating written procedures in process safety: Qualitative data analysis of interviews from high risk facilities *Process Safety and Environmental Protection* 2017.
- 175) **Schmit CD**, Penn MS. Expanding state laws and a growing role for pharmacists in vaccination services *Journal of the American Pharmacists Association* 2017.
- 176) **Schmit CD**, Wetter SA, **Kash BA**. Falling short: how state laws can address health information exchange barriers and enablers *Journal of the American Medical Informatics Association*.
- 177) **Schmit CD**, Sunshine G, Pepin D, Ramanathan T, Menon A, Penn M. Transitioning From Paper to Digital: State Statutory and Regulatory Frameworks for Health Information Technology *Public Health Reports* 2017:0033354917722994.
- 178) Schneider JE, **Ohsfeldt RL**, Li P, Miller TR, Scheibling C. Assessing the impact of state "opt-out" policy on access to and costs of surgeries and other procedures requiring anesthesia services *Health Economics Review* 2017;7(1):10.
- 179) Schuller KA, **Kash BA**, Gamm LD. Enhanced Transitions of Care: Centralizing Discharge Phone Calls Improves Ability to Reach Patients and Reduces Hospital Readmissions *Journal for Healthcare Quality* 2017 Mar/Apr;39(2):e10-e21.
- 180) Shah V\*, Kirsch KR, Cervantes D, Zane DF, Haywood T, **Horney JA**. Flash Flood Swift Water Rescues, Texas, 2005-2014 *Climate Risk Management* 2017.



# Publications CY 2017

- 181) **Sharkey JR**, Nalty C, Johnson C, Dean W. *Children's Very Low Food Security is Associated with Increased Dietary Intakes in Energy, Fat, and Added Sugar among Mexican-Origin Children (6-11 Y) in Texas Border Colonias* In: Hassan A, editor. *Food Insecurity and Disease* Waretown NJ: CRC Press; 2017. p. 179-198.
- 182) **Sharma VK**, Chen L, Marsalek B, Zboril R, O'Shea KE, Dionysiou DD. Iron based sustainable greener technologies to treat cyanobacteria and microcystin-LR in water *Water Science and Technology: Water Supply* 2017;17(1):107-114.
- 183) **Sharma VK**, Chen L, Zboril R. Correction to Review on High Valent FeVI (Ferrate): A Sustainable Green Oxidant in Organic Chemistry and Transformation of Pharmaceuticals *ACS Sustainable Chemistry & Engineering* 2017;5(3):2781-2781.
- 184) **Sharma VK**, Feng M. Water depollution using metal-organic frameworks-catalyzed advanced oxidation processes: A review *Journal of Hazardous Materials* 2017.
- 185) **Sharma VK**, **McDonald TJ**, Sohn M, Anquandah GA, Pettine M, Zboril R. Assessment of toxicity of selenium and cadmium selenium quantum dots: A review *Chemosphere* 2017;188:403-413.
- 186) **Sharma VK**, Yang X, **Cizmas L**, **McDonald TJ**, Luque R, Sayes CM, Yuan B, Dionysiou DD. Impact of metal ions, metal oxides, and nanoparticles on the formation of disinfection byproducts during chlorination *Chemical Engineering Journal* 2017.
- 187) **Sharma VK**, Zboril R. *Silver Nanoparticles in Natural Environment: Formation, Fate, and Toxicity* Bioactivity of Engineered Nanoparticles : Springer; 2017. p. 239-258.
- 188) Shen Y, Hu H, **Taylor BD**, Kan H, **Xu X**. Early menarche and gestational diabetes mellitus at first live birth *Maternal and Child Health Journal* 2017;21(3):593-598.
- 189) Shi J, Lin Z, Chen R, Wang C, Yang C, Cai J, Lin J, **Xu X**, **Ross JA**, Zhao Z, Kan H. Cardiovascular Benefits of Wearing Particulate-Filtering Respirators: A Randomized Crossover Trial. *Environmental Health Perspectives* 2017 Feb;125(2):175-180.
- 190) Shortz AE\*, **Mehta RK**. Cognitive challenges, aging, and neuromuscular fatigue *Physiology and Behavior* 2017;170:19-26.
- 191) Shubert TE, Goto LS, **Smith ML**, Jiang L, Rudman H, **Ory MG**. The Otago Exercise Program: Innovative Delivery Models to Maximize Sustained Outcomes for High Risk, Homebound Older Adults *Frontiers in Public Health* 2017 Mar 23;5:54.
- 192) Shubert TE, **Smith ML**, Goto L, Jiang L, **Ory MG**. Otago Exercise Program in the United States: Comparison of 2 Implementation Models *Physical Therapy* 2017 Feb 1;97(2):187-197.
- 193) Smith BA, Murib Z, Motta M, **Callaghan TH**, Theys M. "Gay" or "Homosexual"? The Implications of Social Category Labels for the Structure of Mass Attitudes *American Politics Research* 2017:1-37.
- 194) Smith LU, **Burdine JN**. Community Health Assessment Opportunities and Challenges in the 21st Century: Implications for Professional Development *Journal of Public Health Management and Practice* 2017 Jul/Aug;23 Suppl 4 Supplement, Community Health Status Assessment:S63-S64.
- 195) **Smith ML**, Bergeron CD, Adler CH, Patel A, Ahn S, **Towne SD**, Bien M, **Ory MG**. Factors associated with healthcare-related frustrations among adults with chronic conditions *Patient Education and Counseling* 2017 Jun;100(6):1185-1193.
- 196) **Smith ML**, Prohaska TR, MacLeod KE, **Ory MG**, Eisenstein AR, Ragland DR, Irmiter C, **Towne SD**, Satariano WA. Non-Emergency Medical Transportation Needs of Middle-Aged and Older Adults: A Rural-Urban Comparison in Delaware, USA *International Journal of Environmental Research and Public Health* 2017 Feb 10;14(2):10.3390/ijerph14020174.
- 197) **Smith ML**, Schneider EC, Byers IN, Shubert TE, Wilson AD, **Towne SD**, **Ory MG**. Reported Systems Changes and Sustainability Perceptions of Three State Departments of Health Implementing Multi-Faceted Evidence-Based Fall Prevention Efforts *Frontiers in Public Health* 2017 Jun 8;5:120.
- 198) **Smith ML**, **Towne SD**, Motlagh AS, Smith DR, Boolani A, Horel SA, **Ory MG**. Programs and Place: Risk and Asset Mapping for Fall Prevention *Frontiers in Public Health* 2017 Mar 16;5:28.
- 199) **Smith ML**, **Towne SD**, Herrera-Venson A, Cameron K, Kulinski KP, Lorig K, Horel SA, **Ory MG**. Dissemination of Chronic Disease Self-Management Education (CDSME) Programs in the United States: Intervention Delivery by Rurality *International Journal of Environmental Research and Public Health* 2017 Jun 14;14(6):10.3390/ijerph14060638.
- 200) **Smith ML**, Bergeron CD, Cowart C, Ahn S, **Towne SD**, **Ory MG**, Menn MA, Chaney J. Factors associated with ageist attitudes among college students *Geriatrics and Gerontology International* 2017;17(10):1698-1706.
- 201) **Smith ML**, Bergeron CD, Riggle SD, Meng L, **Towne SD**, Ahn S, **Ory MG**. Self-care difficulties and reliance on support among vulnerable middle-aged and older adults with chronic conditions: A cross-sectional study *Maturitas* 2017;104:1-10.
- 202) Smitherman S, Hammond T, Goldberg D, **Horney JA**. Developing a CASPER Survey to Assess the Prevalence of Risk Factors for Neglected Tropical Diseases in Texas *Health Security* 2017;15(3):238-243.
- 203) Spaulding A, **Kash BA**, Johnson CE, Gamm L. Organizational capacity for change in health care: Development and validation of a scale *Health Care Management Review* 2017 Apr/Jun;42(2):151-161.
- 204) **Spengler JO**, Smith AD, **Maddock JE**, Stasi SM\*. Youth Sports and Physical Activity: Innovative Perspectives on the Role of Health Care Professionals *Journal of Public Health Management & Practice* 2017 Jun 16.
- 205) Stone K, Sierocki A, Shah V, Ylitalo KR, **Horney JA**. Conducting Community Health Needs Assessments in the Local Public Health Department: A Comparison of Random Digit Dialing and the Community Assessment for Public Health Emergency Response *Journal of Public Health Management and Practice* 2017 Jan 30.
- 206) Sun X, Zu K, Liang H, Sun L, Zhang L, Wang C, **Sharma VK**. Electrochemical synthesis of ferrate (VI) using sponge iron anode and oxidative transformations of antibiotic and pesticide *Journal of Hazardous Materials* 2017.
- 207) **Taylor BD**, **Zheng X**, Darville T, Zhong W, Konganti K, Abiodun-Ojo O\*, Ness RB, O'Connell CM, Haggerty CL. Whole-Exome Sequencing to Identify Novel Biological Pathways Associated With Infertility After Pelvic Inflammatory Disease *Sexually Transmitted Diseases* 2017 Jan;44(1):35-41. gy 2017.

# Publications CY 2017

- 208) **Taylor BD**, Totten PA, Astete SG, Ferris MJ, Martin DH, Ness RB, Haggerty CL. Toll-like receptor variants and cervical Atopobium vaginae infection in women with pelvic inflammatory disease *American Journal of Reproductive Immunology* 2017.
- 209) **Taylor NJ**, Mitra N, Goldstein AM, Tucker MA, Avril M, Azizi E, Bergman W, Bishop DT, Bressac-de Paillerets B, Bruno W. Germline variation at CDKN2A and associations with nevus phenotypes among members of melanoma families *Journal of Investigative Dermatology* 2017.
- 210) **Tekwe CD, Zoh RS**, Bazer FW, Wu G, Carroll RJ. Functional multiple indicators, multiple causes measurement error models *Biometrics*.
- 211) Telesford-Checkley JM, Mora MA, Gentry TJ, **McDonald TJ**, Boellstorff DE. Impacts of Hormones on Water Quality as Evaluated through Escherichia coli and Fecal Sterol Analyses. *Water Environment Research* 2017;89(6):508-518.
- 212) Terryn RJ, Huerta-Aguilar CA, Baum JC, **Sharma VK**. Fe VI, Fe V, and Fe IV oxidation of cyanide: Elucidating the mechanism using density functional theory calculations *Chemical Engineering Journal* 2017.
- 213) Tolgyesi A, Barta E, Simon A, **McDonald TJ, Sharma VK**. Screening and confirmation of steroids and nitroimidazoles in urine, blood, and food matrices: Sample preparation methods and liquid chromatography tandem mass spectrometric separations *Journal of Pharmaceutical and Biomedical Analysis* 2017.
- 214) **Towne SD**. Socioeconomic, Geospatial, and Geopolitical Disparities in Access to Health Care in the US 2011–2015 *International Journal of Environmental Research and Public Health* 2017;14(6):573.
- 215) **Towne SD**, Cho J, **Smith ML, Ory MG**. Factors Associated With Injurious Falls in Residential Care Facilities *Journal of Aging and Health* 2017 Jun;29(4):669-687.
- 216) **Towne SD**, Lopez ML, Li Y, **Smith ML**, Warren JL, Evans AE, **Ory MG**. Examining the Role of Income Inequality and Neighborhood Walkability on Obesity and Physical Activity among Low-Income Hispanic Adults *Journal of Immigrant and Minority Health* 2017 Jul 22.
- 217) **Towne SD, Bolin JN, Ferdinand AO**, Nicklett EJ, **Smith ML, Ory MG**. Assessing diabetes and factors associated with foregoing medical care among persons with diabetes: Disparities facing American Indian/Alaska native, black, hispanic, low income, and southern adults in the US (2011–2015) *International Journal of Environmental Research and Public Health* 2017;14(5):464.
- 218) **Towne SD**, Fair K, **Smith ML, Dowdy DM**, Ahn S, Nwaiwu O\*, **Ory MG**. Multilevel Comparisons of Hospital Discharge among Older Adults with a Fall-Related Hospitalization *Health Services Research* 2017.
- 219) **Towne SD, Ory MG, Smith ML, Peres SC, Pickens AW, Mehta RK, Benden ME**. Accessing physical activity among young adults attending a university: the role of sex, race/ethnicity, technology use, and sleep *BMC Public Health* 2017;17(1):721.
- 220) **Towne SD**, Probst JC, Hardin JW, Bell BA, Glover S. Health & access to care among working-age lower income adults in the Great Recession: Disparities across race and ethnicity and geospatial factors *Social Science & Medicine* 2017;182:30-44.
- 221) Tucceck J, Prucek R, Kolarrík J, Zoppellaro G, Petr M, Filip J, **Sharma VK**, Zboril R. Zero-Valent Iron Nanoparticles Reduce Arsenites and Arsenates to As (0) Firmly Embedded in Core–Shell Superstructure: Challenging Strategy of Arsenic Treatment under Anoxic Conditions *ACS Sustainable Chemistry & Engineering* 2017;5(4):3027-3038.
- 222) Vollmer Dahlke D, Fair K, **Hong YA**, Kellstedt D, **Ory MG**. Adolescent and Young Adult Cancer Survivorship Educational Programming: A Qualitative Evaluation *JMIR Cancer*. 2017 Feb 10;3(1):e3.
- 223) Vollmer Dahlke D, **Ory MG**. Emerging Opportunities and Challenges in Optimal Aging with Virtual Personal Assistants *Public Policy & Aging Report* 2017;27(2):68-73.
- 224) Wendel ML, **Benden ME**. Standing Vs Sitting Time In Stand-Biased Classrooms Respond *American Journal of Public Health* 2017;107(3):E4-E5.
- 225) Wilson KL, **Smith ML**, Rosen BL, Pulczynski JC, **Ory MG**. HPV Vaccination Status and Mandate Support for School-Aged Adolescents Among College Females *Journal of School Nursing* 2017 Jun;33(3):232-245.
- 226) Wilson KL, Garney WR, Hays CN, Nelon JL, Farmer JL, **McLeroy KR**. Encouraging Innovation in Teen Pregnancy Prevention Programs *Creative Education* 2017;8(02):294.
- 227) Xin-tong L, Liao W, Hong-jie Y, Ming-wei L, Yuan S, Bo-wen T, Xu-hao Y, Song Y, Huang Y, Shi-le C, **Towne SD**. Combined effects of fruit and vegetables intake and physical activity on the risk of metabolic syndrome among Chinese adults *PLoS One* 2017;12(11):e0188533.
- 228) **Xu X**, Hu H, **Hong YA**. Body burden of heavy metals among HIV high risk population in USA *Environmental Pollution* 2017;220:1121-1126.
- 229) **Xu X**, Zhang X, Zhong Y, Saad F, **Perez-Patron MJ**, Haider K, Haider A. Dynamic Patterns of Testosterone Levels within Individuals and Risk of Prostate Cancer among Hypogonadal Men: A Longitudinal Study *The Journal of Urology* 2017.
- 230) **Xue Y**, Lu S, Fu X, **Sharma VK, Mendoza-Sanchez I**, Qiu Z, Sui Q. Simultaneous removal of benzene, toluene, ethylbenzene and xylene (BTEX) by CaO 2 based Fenton system: Enhanced degradation by chelating agents *Chemical Engineering Journal* 2017.
- 231) Yeager VA, **Ferdinand AO**, Menachemi N. The Impact of IRS Tax Policy on Hospital Community Benefit Activities *Medical Care Research and Review* 2017:1077558717703215.
- 232) Yu M, Quddus N, **Peres SC**, Sachdeva S, Mannan MS. Development of a safety management system (SMS) for drilling and servicing operations within OSHA jurisdiction area of Texas. *Journal of Loss Prevention in the Process Industries* 2017;50:266-274.
- 233) Zelber-Sagi S, Bord S, Dror-Lavi G, **Smith ML, Towne SD**, Buch A, Webb M, Yeshua H, Nimer A, Shibolet O. Role of illness perception and self-efficacy in lifestyle modification among non-alcoholic fatty liver disease patients *World Journal of Gastroenterology* 2017;23(10):1881.
- 234) **Zheng Q**. rSalvador: An R Package for the Fluctuation Experiment. G3: *Genes|Genomes|Genetics*. 2017;7(12):3849-3856.
- 235) **Zheng Q**. Sample size determination for the fluctuation experiment *Mutation Research / Fundamental and Molecular Mechanisms of Mutagenesis* 2017;795:10-14.

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236) **Zheng Q.** Toward a Unique Definition of the Mutation Rate *Bulletin of Mathematical Biology* 2017;79(4):683-692.

237) Zhou Q, Wu Y, **Hong YA**, Yang C, Cai W, Zhu Y, Guo Z, Guo Y. Association between perceived social norm and condom use among people living with HIV/AIDS in Guangzhou, China *AIDS Care* 2017;29(1):91-97.

238) Zhou Z, Fu J, **Hong YA**, Wang P, Fang Y. Association between exercise and the risk of dementia: results from a nationwide longitudinal study in China. *BMJ Open* 2017 Dec 4;7(12):e017497-2017-017497.

239) **Zoh RS**, Sarkar A, Carroll RJ, Mallick BK. A Powerful Bayesian Test for Equality of Means in High Dimensions *Journal of the American Statistical Association* 2017(just-accepted).

240) **Zoh RS**, Wilson A, Vander Wiel S, Lawrence E. The negative log-gamma prior distribution for Bayesian assessment of system reliability *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability* 2017:1748006X17692154.

\* denotes student authorship.

# Presentations CY 2017

- 1) Barr S\*, Gomez L and **Sharkey JR.** Moderating the cultural knowledge gap: the development of a board game to address the underlying cultural assumptions of grocery shopping in the U.S.. Nutrition Research Symposium, Texas A&M University, College Station, TX. April 2017.
- 2) Berke P, Newman G, Cooper JT, Gharaibeh N and **Horney JA.** The Environmental Grand Challenge: How Interdisciplinary Research and Community Engagement Work to Build Resilience. National Council for Science and the Environment, Washington DC. January 2017.
- 3) Bocanegra-Alonso A, Torres-Nava K, Leal-Ugarte E and **Mier N.** Effects of a hypercaloric diet on adiponectin and metabolic levels among young adults with obesity. IX Conferencia Científica Anual sobre Síndrome Metabólico 2017. Ciudad de Mexico. August 19, 2017.
- 4) **Bolin JL.** Cancer Screening, Training, Education and prevention Program (Texas C-STEP) Outcomes from Texas A&M C-STEP Programs. CPRIT State-Wide Oversight Committee Quarterly Meeting, Austin, TX. November 29, 2017.
- 5) **Bolin JL.** Rural Health Disparities and the Health Priorities of Underserved Regions of the United States. Association of Schools and Programs of Public Health National Conference, Washington DC. March 15, 2017.
- 6) **Bolin JL.** Making the case for colorectal cancer screening training in a Family Medicine Residency. National Rural Health Association National Research Conference, San Diego, CA. May 9 – 12, 2017.
- 7) **Bolin JL.** Screening Mammography Among low-income women: the role of access, attitudes, and place of residence. National Rural Health Association National Research Conference, San Diego CA. May 9 – 12, 2017.
- 8) **Bolin JL** and Nimmons K\*. C-STEP CHW ACTION Program; Implementation and Adaptation: Sharing Lessons Learned. CPRIT Annual Scientific Conference, Austin Texas. November 8, 2017.
- 9) Brown P, Milagros Velez Vega C, **Horney JA,** Miller A and Hughes J. Disaster Preparedness and Public Health Challenges. Research Translation Core and Community Engagement Core Meeting, NIEHS Superfund Research Program Annual Meeting, Philadelphia, PA. December 2017.
- 10) **Callaghan TH** and **Ferdinand AO.** Convincing the 'Young Invincibles': Understanding State Variation in Young Adult Participation in the Affordable Care Act. Annual Meeting Midwest Political Science Association, Chicago IL. April 2017.
- 11) **Callaghan TH,** Olson A\* and Karch A. Contesting Constitutionality: The Enactment of Nullification Legislation in the American States. Annual State Politics and Policy Conference, St Louis MO. June 2017.
- 12) **Callaghan TH,** Olson A\* and Karch A. Contesting Constitutionality: The Enactment of Nullification Legislation in the American States. Annual Meeting of the Midwest Political Science Association, Chicago IL. April 2017.
- 13) **Callaghan TH** and Sylvester S. Autism and the States: Variations in the Regulation of Autism Services under the ACA. Annual Meeting of the American Political Science Association, San Francisco CA. September 2017.
- 14) **Carrillo G, Xu X,** Seol Y, Zhong Y and **Perez-Patron MJ.** School-Related Hazardous Air Pollutants in the US-Mexico Border Area and Asthma Prevalence in School Children. American Public Health Association Annual Meeting, Atlanta GA. Nov 4-8, 2017.
- 15) **Cizmas LH.** Municipal Wastewater Reuse in Agriculture: Do Chemical Contaminants Pose Human Health Risks? 2017 International Symposium on Environmental Science and Technology, Beijing, China. September 21, 2017.
- 16) **Côté MJ, Radcliff TA, Ferdinand AO** and Tian Y,\*. Identifying the Effect of Medical Screening Examinations on Rural Hospital Emergency Department Patient Flow. IFORS 2017, Quebec City, Canada. July 2017.
- 17) **Côté MJ, Radcliff TA** and Tian Y\*. How Medical Screening Examinations Affected Patient Flow in Rural Hospital-Based Emergency Departments. Academy Health 2017 Annual Research Meeting, New Orleans, Louisiana. June 2017.
- 18) **Dowdy DM.** Texas Obesity Awareness Week (TOAW) Health Champion Event for the Rising Star Students Awards. Texas Obesity Awareness Week Health Champion Event for the Rising Star Students Awards. Austin TX. September 2017.
- 19) **Fairchild AL.** Outbreak Anxieties: The Contingent Politics of Fear and Panic. Crossing and Medicine: Quarantine, Detention, and Containment, Free University of Berlin. February 2nd, 2017.
- 20) **Fairchild AL.** Panic in America: From Yellow Fever to Zika in a Hot Minute. Institute for Bioethics and Health Policy, University of Miami, Zika Forum: State of the Science, Public Health Safety, and Ethics. March 23, 2017.
- 21) **Fairchild AL.** Panic in America: From Yellow Fever to Zika in a Hot Minute. 22nd Annual Sheila Cohen Lecturer, North York General Hospital, Toronto Canada. June 9th, 2017.
- 22) **Fairchild AL.** Values and the Continuum of Harm Reduction. E-Cigarette Summit, London. November 17, 2017.
- 23) **Fairchild AL.** Immigration, Health, and History: Inclusion or Exclusion? Ben Gurion University, Beersheba, Israel. 29-30 November 2017.
- 24) **Fairchild AL.** What's in a Name? The Continuum of Harm Reduction. Global Tobacco and Nicotine Forum., New York City, New York. September 12, 2017.
- 25) Gimm G, Blodgett E and **Zanwar P.** Cancer Screening Access for Community-Dwelling Adults with Physical Limitations. American Public Health Association Annual Meeting, Atlanta, GA. November 7, 2017.
- 26) **Griffith JM.** How Texas A&M Uses QuickBase to Track Student Engagement. QuickBase Empower, Boston, MA. May 2017.
- 27) **Griffith JM.** Lessons Learned from the Implementation of an Integrative Framework for Academic Program Assessment and Evaluation. Undergraduate Public Health and Global Health Education Summit, Arlington, VA. March 2017.
- 28) Hill AV\*, **Tekwe C, Perez-Patron MJ** and **Taylor BD.** Chlamydia trachomatis and preterm birth subtypes. Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA. June 2017.
- 29) **Hong YA.** Developing, implementing, and evaluation a mHealth intervention program to promote physical activity in cancer survivors: lessons learned. 2017 International Medical Informatics Conference, Hangzhou, China, August 21-25, 2017.
- 30) **Hong YA,** Cho J. American's eHealth behaviors in the past decade: A systematic review of national survey studies. 2017 APHA Annual Meeting, Atlanta, GA, November 4-9, 2017.

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- 31)**Hong YA**, Fang Y, Zou Z. Digital divide and health disparities in China: Data from a national longitudinal survey of CHARLS. 2017 International Medical Informatics Conference, Hangzhou, China, August 21-25, 2017.
- 32)**Hong YA**, Fang Y, Zou Z. eHealth behavior in Chinese general population: evidence from a national representative survey. 2017 APHA Annual Meeting, Atlanta, GA, November 4-9, 2017.
- 33)**Hong YA**, Forjuoh SN, Midturi J, Ross J. Comparative research on mHealth behaviors of patients with diabetes and HIV: implications for mobile-based chronic disease self-management. 2017 APHA Annual Meeting, Atlanta, GA, November 4-9, 2017.
- 34)**Hong YA**, Jiang S, Poudyal A. Mobile-based patient-provider communication in cancer survivors: the roles of health literacy and patient activation. 2017 CDC National Cancer Conference. Atlanta, GA, August 14-16, 2017.
- 35)**Hong YA**, Zhou Zi, Fang Y. Digital divide and health disparities in China: Evidence and policy implications. 2017 APHA Annual Meeting, Atlanta, GA, November 4-9, 2017.
- 36)**Horney JA**. Environmental Health Security, Robert Wood Johnson Foundation National Health Security Preparedness Index. University of Kentucky. December 14, 2017.
- 37)**Horney JA**. Flash Flood Swift Water Rescues in Texas: 2005-2014, National Weather Service Southern Regional Headquarters, Fort Worth Texas. September 14, 2017.
- 38)**Horney JA**, Stone K, Hare A, Zane D and Haywood T. Using GIS in Disaster Epidemiology. Texas A&M University GIS Day, College Station TX. November 14, 2017.
- 39)Johnson C\*, **Sharkey JR**, Lackey MJ, Adair LS, Aiello AE, Bowen SK, Fang W, Flax VL and Ammerman AS. A systematic literature review relating food insecurity to Canadian and US women's dietary outcomes. 2017 International Society of Behavioral Nutrition and Physical Activity, Victoria, BC. June 2017.
- 40)Karch A, **Callaghan TH** and Olson A\*. Who is Leading the Charge? Nullification Legislation in the American States. Annual Meeting of the American Political Science Association, San Francisco CA. September 2017.
- 41)McClendon ME\*, Umstatt Meyer MR, Ylitalo KR, **Sharkey JR** and Bridges C. Physical activity of Mexican-heritage children during the summer and school-year: The role of parenting strategies. Annual Active Living Research Conference: Active Living across the Life Span, Clearwater Beach, FL. February 2017.
- 42)**McCord CE**. Innovative Approaches to Reducing Health Disparities in Rural Areas: Telehealth Town and Gown Partnerships. University of Arkansas Department of Psychological Science Graduate professional Education Colloquium Series. 2017.
- 43)**McCord CE**. Ethical Telehealth Practice in Texas. Three-Hour Continuing Education Presentation given to the Dallas Psychological Association. 2017.
- 44)Mehta RK, **Peres SC**, Shortz A\* and Hoyle WS\*. Relationship Between Operator Situation Awareness and Physiological States During Complex and Critical Offshore Well Control Scenarios. Mary Kay O'Connor Process Safety Center, College Station, Texas. October 2017.
- 45)**Mendoza-Sanchez I**. Contaminant antibiotics in soils and potential influence on resistance. Research Center for Eco-Environmental Science, Chinese Academy of Sciences, Beijing. July 7, 2017.
- 46)**Mendoza-Sanchez I**. Limiting factors that control biological transformations of contaminants in the subsurface environment. School of Environment, Nanjing University, Nanjing. June 27, 2017.
- 47)**Mendoza-Sanchez I**. Simulation of Contaminant Antibiotics Transport through Soil and their Influence on Antibiotic-Resistance Selection in Microbial Communities. 33rd International Conference of the Society for Environmental Geochemistry and Health, Guangzhou, China. July 3, 2017.
- 48)**Mier N**, Penarrieta M, Gutierrez-Gomez T, Ferre-Diego R, Cortes-Castell E, Ramirez M\* and **Millard A**. Predictors of nutritional status among non-institutionalized older Mexican women. American Public Health Association Annual Meeting, Atlanta, GA. November 4-8, 2017.
- 49)**Millard AV**, Moralez J, Graham MA, **Mier N** and Flores I. A community-based diabetes project: POD2ER at the flea market. Society for Applied Anthropology Annual Meeting, Santa Fe, NM. March 28-April 1, 2017.
- 50)**Morrisey MA**. Turmoil in the Exchanges: Five-State Study of ACA Marketplace Competition. Invited Seminar, Leonard Davis Institute of Health Economics, University of Pennsylvania, Philadelphia, PA. May 19, 2017.
- 51)**Morrisey MA**. Turmoil in the Exchanges: Five-State Study of ACA Marketplace Competition. Invited Seminar, Department of Economics, Emory University, Atlanta, GA. September 5, 2017.
- 52)**Morrisey MA**. Turmoil in the Exchanges: Five-State Study of ACA Marketplace Competition. Invited Seminar, Department of Agricultural Economics, Texas A&M University, College Station, TX. October 6, 2017.
- 53)**Morrisey MA**. What Worked and Didn't Work in Obamacare. Delta Omega Honor Society Distinguished Lecture Series, Texas A&M School of Public Health, College Station, TX. April 5, 2017.
- 54)**Morrisey MA**, Rivlin AM, Nathan RP and Hall MA. Five-State Study of ACA Marketplace Competition. Brookings Institution conference, How Has Obamacare Impacted State Health Care Marketplaces? Washington, DC. February 2017.
- 55)Nickodem C\*, Criscitiello M, Bazer F, Abiodun-Ojo A and **Taylor BD**. Evaluation of expression of interferon epsilon across pregnancy in healthy and Herpes Simplex Virus II infected women. Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA. June 2017.
- 56)**Ohsfeldt RL**. A Propensity Score-matched Study of Organ Damage in Patients with Systemic Lupus Erythematosus from the BLISS Long-term Extension Trials Versus the Toronto Lupus Cohort: A Post Hoc Longitudinal Analysis. American College of Rheumatology Annual Meeting, San Diego, California. November 2017.
- 57)**Ohsfeldt RL**. Regional Disease Incidence in Pricing Private Health Insurance Premiums: A Study of Florida Health Insurance Marketplace under the Affordable Care Act. Annual Meeting American Public Health Association, Atlanta GA. November 2017.
- 58)**Ohsfeldt RL**. Application of Propensity Score-Matching Methods to Compare Data from Long-Term Extension Trials with Data from an Existing Lupus Registry. Annual European Congress of Rheumatology (EULAR), Madrid, Spain. June 2017.

# Presentations CY 2017

- 59) Park S, Ayala GX, **Sharkey JR** and Blanck HM. Knowledge of Sugar-Sweetened Beverage-Related Health Conditions and Sugar-Sweetened Beverage Intake among US Hispanic Adults. 2017 SNEB Annual Conference, Washington, DC. July 2017.
- 60) **Peres SC**. Ergonomic Impact of Software Design. Office of Ergonomic Research Council, Marconi, Galveston, TX. January 2017.
- 61) **Peres SC**. Integrating Usability & Ergonomics: Impacts on Safety for Industry. Houston HFES Quarterly Meeting, Houston, TX. February 2017.
- 62) **Peres SC**. The Human Factor & The Oil & Gas Industry: API, Standards, and the Future. National Academy of Science—Workgroup on Bolts, Santa Ana, CA. August 2017.
- 63) **Peres SC**. Procedures and Checklists: Should they be adaptive and if so, how and when? Qatar. November 2017.
- 64) **Peres SC**. Human Factors and Procedures: Increasing Human Reliability to Drive Operational Excellence. Operational Excellence in Energy, Chemicals, and Resources Conference, Calgary, Canada. June 2017.
- 65) **Peres SC**. Effective procedural designs and practices. Operational Excellence in Oil and Gas Conference, Houston, TX. November 2017.
- 66) **Perez-Patron MJ** and DeSalvo B. Disparities in Nativity and Ethnicity for Cesarean Section Utilization in the United States. Population Association of America Annual Meeting, Chicago, IL. April 27-29, 2017.
- 67) **Perez-Patron MJ**. Sex Preferences and Sex Composition Effects on Fertility. Population Association of America Annual Meeting, Chicago, IL. April 27-29, 2017.
- 68) **Perez-Patron MJ** and DeSalvo B. The Impact of Nativity on Primary Cesarean Section Rates. Applied Demography Conferences in San Antonio, TX. January 11-13, 2017.
- 69) Qiao J, Zhang H, Xu Z, Zeng C, **Hong YA**. A patient-centered mHealth intervention to improve mental health of people living with HIV/AIDS: study protocol for a randomized controlled trial. The 13th International AIDSIMPACT Conference. Capetown, South Africa, November 13-15, 2017.
- 70) Qiao J, Zhu Y, Xu Z, Zeng C, Zhang H, **Hong YA**, Cai W, Guo Y. Gender differences in relationships of sexual partnership characteristics and condom use among people living with HIV/AIDS. The 13th International AIDSIMPACT Conference. Capetown, South Africa, November 13-15, 2017.
- 71) **Radcliff T.A.**, **Horney JA**, Rosenheim N and Zhao. H. The Impacts of Disasters on Medicare Costs in U.S. Gulf Coast States. National Healthcare Coalition Preparedness Conference, San Diego CA. November 2017.
- 72) **Radcliff TA**. Breakout Session Moderator and Closing Remarks. 8th Annual VEMEC Advancing and Redefining Communities Conference/National Healthcare Coalition Preparedness Conference (MESH), San Diego, CA. November 2017.
- 73) **Radcliff TA**. Emergency Management and Evaluation in VA. Texas Association of Hospital Facilities Managers, Houston, TX. December, 2017.
- 74) **Schmit C**. Social Impact Bonds and Pay-for-Success. Association of State and Territorial Health Officials, 2017 Legislative Liaison Annual Meeting, Arlington, VA. July 20, 2017.
- 75) **Schmit C**. The Intersection of Public Health and Health Care: Health Care Data and the Law in the 21st Century, Part III: Sharing Data: Modern Legal Issues and Trends. Live Webinar American Health Lawyers Association. August 9 2017.
- 76) **Schmit C**. Navigating Privacy Laws in Emergencies. CDC Disaster Epidemiology Community of Practice Quarterly Meeting. April 20, 2017.
- 77) **Schmit C**. Legal Issues Associated with Use and Release of HIV/HCV Personally Identifiable Information. National Alliance for State and Territorial AIDS Directors Health Systems Data Consultation and Workshop. February 2017.
- 78) Seol Y, **Carrillo G** and Bhat A. Predictors of self-perceived health in adults with chronic conditions – a decision tree approach. American Public Health Association Annual Meeting, Atlanta. Nov 4 -8, 2017.
- 79) Sharkey JR. Todos en la Familia [All in the Family]: Developing a Family-Centered Program to Improve Nutrition and Increase Physical Activity among Mexican-Heritage Children in Texas Border Colonias. The Nutrition, Physical Activity, and Energy Balance Affinity Group (NPAAG), The Fred Hutchinson Cancer Research Center, Seattle, WA. March 2017.
- 80) **Sharma VK**. High-Valent Iron Species (Ferrates) in Sustainable Water Treatment: Underlying Reaction Mechanisms. Department of Chemistry, University of Texas, Arlington, Texas. November 2017.
- 81) **Sharma VK**. High-Valent Iron Species (Ferrates) in Sustainable Water Treatment: Underlying Reaction Mechanisms. College of Environmental Science, Baylor University, Waco, Texas. November 2017.
- 82) **Sharma VK**. Activation of Ferrate in Treatment of Micropollutants: Current Knowledge and Future Outlook. 2017 International Symposium on Environmental Science and Technology, Beijing, China. September 2017.
- 83) **Sharma VK**. Collaboration in Environmental Science in China. 2017 International Symposium on Environmental Science and Technology, Beijing, China. September 2017.
- 84) **Sharma VK**. Natural Inorganic Nanoparticles: Formation, Fate, and Toxicity in Environment. 33rd International Conference of the Society for Environmental Geochemistry and Health, Guangzhou, China. July 2017.
- 85) **Sharma VK**. Advances Made in Ferrate Technology to Treat Water and Wastewater. North China Electric Power University, Beijing China. September 2017.
- 86) **Sharma VK**. Ferrate Treatment Technology in Sustainable Water Environment. Invited Presentation, Seoul, South Korea. August 2017.
- 87) **Sharma VK**. Natural Nanoparticles: Formation, Fate, and Toxicity in Environment. Department of Environmental Science & Engineering, Xian Jiaotong University, China. September 2017.
- 88) **Sharma VK**. Ferrates: Emerging Advanced Materials for Energy, Environment, Biomedical and Industrial Organic Synthesis. College of Environmental Science and Technology, Shaanxi University of Science and Technology, Xian, China. September 2017.
- 89) **Sharma VK**. Natural Nanoparticles: Formation, Fate, and Toxicity in Environment. Regional Center for Eco-Environmentally Sciences, Chinese Academy of Science, Beijing, China. September 2017.
- 90) **Sharma VK**. Ferrate Treatment Technology in Sustainable Water Environment. Environmental Science and Technology, Dalian University of Technology, Dalian, China. September 2017.

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- 91) **Sharma VK**. Natural Nanoparticles: Formation, Fate, and Toxicity in Environment. College of Environmental Science, Zhejiang University, Hangzhou, China. September 2017.
- 92) **Sharma VK**. Ferrates(FeVI, FeV, and FeIV) as Green Materials in Multimodal Action to Treat Water. Chemistry Department, Ewha Women University, Seoul, South Korea. August 2017.
- 93) **Sharma VK**. Ferrate Treatment Technology in Sustainable Water Environment. Department of Environmental Engineering, Nanyang Technical University, Singapore. August 2017.
- 94) **Sharma VK**. Ferrate Treatment Technology: Oxidation and Coagulation of Pollutants and Inactivation of Microorganisms. Department of Environmental Science and Engineering, National University of Singapore, Singapore. August 2017.
- 95) **Sharma VK**. Ferrate Treatment Technology in Sustainable Water Environment. Department of Environmental Engineering, Zhejiang University, Hangzhou. China. September 2017.
- 96) **Sharma VK**. Ferrates(FeVI, FeV, and FeIV) as Green Materials in Multimodal Action to Treat Water. Dalian Institute of Chemical Physics, Dalian, China. September 2017.
- 97) **Sharma VK**. High-Valent Iron Based Materials in Water Treatment. International Workshop of Advanced Materials, Urumqi China. September 2017.
- 98) **Sharma VK**. Natural Nanoparticles: Formation, Fate, and Toxicity in Environment. Environmental Science, Nanjing University, China. September 2017.
- 99) **Sharma VK**. Ferrate Technology in Water Sustainable Environment. Central South University, Changsha, China. July 2017.
- 100) **Sharma VK**. Ferrate Treatment Technology in Sustainable Water Environment. Chemistry Department, Wuhan University, Wuhan, China. July 2017.
- 101) **Sharma VK**. Ferrate Treatment Technology in Sustainable Water Environment. Department of Environmental Engineering, Hanzhong University of Science and Technology, Wuhan, China. July 2017.
- 102) **Sharma VK**. Ferrate Treatment Technology in Sustainable Water Environment. Institute of Urban Environment, Chinese Academy of Science, Xiamen, China. July 2017.
- 103) **Sharma VK**. Nanoparticles in the Environment: Formation, Fate, and Toxicity. Xiamen University, Xiamen, China. July 2017.
- 104) **Sharma VK**. Collaboration in Environmental Science and Technology in China. Sun Yat Sen University, Guangzhou, China. June 2017.
- 105) **Sharma VK**. Iron-, Silver-, and Carbon - Based Materials in Environmental and Energy Applications. University of North South Wales, Sydney, Australia. June 2017.
- 106) **Sharma VK**. Purification of Water using Iron Oxides: Green and Sustainable Ferrate Technology in Water Treatment. Western Sydney University, Sydney, Australia. June 2017.
- 107) **Smitherman S\*** and **Horney JA**. The Feasibility of Using CASPER to Assess Risk Factors for Neglected Tropical Diseases. Texas Public Health Annual Conference, Fort Worth TX. March 2017.
- 108) **Stasi SM\***, **Spengler JO**, **Maddock JE** and **Baber O**. Analysis and geospatial mapping of shared physical activity space within Pasadena, TX. Active Living Research Annual Conference. Clearwater Beach, FL. February 26, 2017.
- 109) **Stone K\***, **McConaughy H**, **Sierocki A** and **Horney JA**. Increasing HPV Vaccination Rates Using a Community Stakeholder Approach. Texas Public Health Annual Conference, Fort Worth TX. March 2017.
- 110) **Taylor BD**, **Menon R\***, **Abiodun-Ojo O** and **Xu X**. The role of danger associated molecular patterns and pentraxin-3 in preeclampsia and gestational diabetes mellitus. Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA. June 2017.
- 111) **Taylor BD**, **Ness RB**, **Olsen J**, **Hougaard DM**, **Skogstrand K**, **Roberts JM** and **Haggerty CL**. Fetal sex differences in soluble fms-like tyrosine kinase 1 (sFLT) among preeclamptic women. Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA. June 2017.
- 112) **Taylor BD**, **Zheng X**, **O'Connell CM**, **Wiesenfeld HC**, **Hillier SL** and **Darville T**. Mycoplasma genitalium, endometritis and incident infection in high risk women. Society for Epidemiologic Research Meeting, Seattle, WA. June 2017.
- 113) **Taylor NJ**. MELPREDICT. Annual Genes, Environment, and Melanoma Consortium Conference, Brisbane, Australia. October, 2017.
- 114) **Tharpe K\***, **Thomas SE\*** and **Peres SC**. Signal Words and Symbol Designs: Importance in Hazard Statements for Procedures. Human Factors and Ergonomics Society Annual Meeting, Austin TX. September 2017.
- 115) **Tharpe K\***, **Thomas SE\*** and **Peres SC**. Signal Words and Symbol Designs: Does Consumer Products Research Inform the Design of These for Procedures? Mary Kay O'Connor Process Safety Center, College Station, Texas. October 2017.
- 116) **Towne SD**, **Bolin J**, **Ferdinand A0**, **Nicklett EJ**, **Smith ML** and **Ory MG**. Foregoing Medical Care among Persons with Diabetes: Disparities facing American Indian/Alaska Native, Black or African American, and Hispanic Adults in the US (2011-2015). American Public Health Association Annual Conference, Atlanta, GA,. Nov 4-8, 2017.
- 117) **Towne SD**, **Zhu X**, **Lee C**, **Xu M**, **Lu Z**, **Griffin G**, **Kellstedt D\***, **McKyer L**, **Sherman L**, **Lee S\*** and **Ory MG**. Intersecting health and place: Implications of building connected communities on health and related outcomes. American Public Health Association Annual Conference, Atlanta, GA. Nov 4-8, 2017.
- 118) **Yasutake S** and **Perez-Patron MJ**. Trends in Migration of Cohabitors and the Married in the United States: Evidence from the Current Population Survey, 1999-2015. Population Association of America Annual Meeting, Chicago, IL. April 27-29, 2017.
- 119) **Zeng, C**, **Qiao J**, **Hong YA**, **Zhang J**, **Cai W**, **Guo Y**. A quantile regression approach to examine the relationship between social economic status and different levels of depression among people living with HIV/AIDS. The 13th International AIDSIMPACT Conference. Capetown, South Africa, November 13-15, 2017.
- 120) **Zhao H**. Analytical Challenges and New Advances in Assessing Time-to-Event Endpoints in Oncology Studies: Improved Survival Analysis in Two Personalized Breast Cancer Studies. Conference on Lifetime Data Science. Storrs, CT. May 27, 2017.
- 121) **Zhao H**. Propensity score methods for observational data analysis. 7th International Symposium on Methods and Applications of Clinical Evaluation and International Symposium on Biostatistics. Renmin University of China, 2017, Beijing, China. July 2017.

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122)**Zhao H.** Propensity score methods for multiple treatment group comparison -- an example and a simulation study. College of Statistics, Renmin University of China, Beijing, China. July 2017.

123)**Zhao H.** Analysis of health costs with censored data using Stata. XIV Italian Stata users group meeting, Florence, Italy. November 2017.

124)**Zhao H.** Propensity score methods for observational data analysis. Department of Statistics and Quantitative Methods, University of Milano-Bicocca, Milan, Italy. December 2017.

125)**Zheng Q.** R in research on microbial mutation rates. 2017 useR! Conference, Brussels, Belgium. July 4-7, 2017.

126)**Zheng Q.** Improving analysis of fluctuation assay data. International Caparica Conference in Antibiotic Resistance, Caparica, Portugal. June 11-15, 2017.

127)Zhong Y, **Xu X and Carrillo G.** Serum Folate level and arsenic methylation in the US population NHANES 2003-2012. American Public Health Association Annual Meeting, Atlanta GA. Nov 4-8, 2017.

\* denotes student authorship.



# Faculty Research Interests by Department

## **Health Promotion and Community Health Sciences**

**Burdine, James.** *Professor.*

Measurement of Factors Influencing Community Capacity for Population Health Improvement; Community Health Development Strategies; Community Health Needs Assessment

**Campos-Bowers, Monica.** *Instructional Assistant Professor.* Nutrition and Agriculture; Global Health in Developing Communities

**Colwell, Brian.** *Professor.* Adolescent Smoking Cessation; School Health Education; Youth Smoking Prevention; Adolescent Mental Health and Substance Abuse

**Dowdy, Diane.** *Assistant Professor.* Childhood Obesity Aimed at Prevention or Reduction; Physical Activity Programs to Community Settings; Physical Activity and Aging

**Hong, Y. Alicia.** *Associate Professor.* HIV/AIDS and STI Prevention Intervention; Mental Health of Women and Children Affected by AIDS; Mobile Technologies to Behavioral Interventions

**Ma, Ping.** *Assistant Professor.* Children's Injury Prevention; Smoking Cessation; Maternal and Child Health; Women's Health; Social Determinants of Health/Health Disparities; Health Promotion of Vulnerable Populations.

**McCord, Carly.** *Research Assistant Professor.* Mental Health Needs of Clients of Telehealth Counseling Clinic (TCC); Intervention Approaches; Effectiveness of Interventions; Service Satisfaction Evaluation; Underserved Populations; Training and Supervision; Positive Psychology and Strength-Based Approaches; Telehealth

**McLeroy, Kenneth.** *Regents Professor and Distinguished Professor.* Community Capacity; Community-based Approaches to Health Promotion/Disease Prevention; Social Ecology and History of Public Health; Program Evaluation

**Mier, Nelda.** *Associate Professor.* Chronic Disease Prevention; Quality of Life through Behavioral Change in Hispanics living in Border Region; Intervention Research to Enhance Physical Activity Using a Culturally Sensitive Paradigm; Diabetes Prevention Among Children and Adults in the Border Region; Promotoras Model in Border Region

**Millard, Ann.** *Associate Professor.*

Obesity Across the Life Course and Its Economic Implications; Prevention of Type 2 Diabetes; Reproductive Health and Birth Outcomes; Breastfeeding and Health; Tuberculosis and Health Policy in the US and Abroad; Occupational Health and Farm Workers; Communication of Complex Health Information to Community Members

**Sharkey, Joe.** *Professor.* Food Access and Food Choice in Underserved Areas; Food Insecurity and Hunger; Rural Community Empowerment; Engaging Rural Food Systems in Improving Health; Promotora Empowerment; Nutritional Health and Seniors

**Spengler, John.** *Department Head, Professor.* Active Living Policy and Obesity Prevention; Legal and Policy Issues around Injury Prevention; Physical Activity and the Built Environment; Risk Management Policy and Implementation in Sport and Recreation

**Tai-Seale, Tom.** *Associate Professor.* Local Health Systems Development; Community Empowerment of Chronic Disease Prevention; Program Planning; Evaluation for the Prevention and Control of Chronic Disease; Health Behavior Coaching

**Towne, Samuel.** *Assistant Professor.* The Intersection of Health and Place; Health-related Disparities; Health Outcomes; Access to Health Services among Aging, Minority, and Rural Populations

## **Epidemiology & Biostatistics**

**Clendenin, Angela.** *Instructional Assistant Professor.* Risk Communication; Decision Analysis; Emergency Management and Emergency Communications; Cultural/Social Influences on Communication/Decision-Making; Communications Measurement and Assessment; Public Health Preparedness and Response for Refugee Populations; Teaching as Research

**Garcia, Tanya.** *Assistant Professor.* Genetic Mixture Models; High-dimensional Inference; Measurement Error; Mixed Models; Neurodegenerative Diseases; Nonparametric Models; Semiparametric Models; Survival Analysis

**Gorman, Dennis.** *Professor.* Alcohol and Drug Availability and Violence; Alcohol and Drug Prevention Policies; System Methodologies; Science and Pseudoscience in Public Health Research

**Han, Daikwon.** *Associate Professor.* Spatial Epidemiology; GIS & Spatial Analysis Methods; Environmental Health/Exposure Science; Environmental Justice and Health Disparities; Healthcare Access; Population Studies/Spatial Demography

**Han, Gang.** *Associate Professor.*

Statistical Methods in Development of Personalized Medicine; Design and Analysis of Phase I/II Clinical Trials and Translational Studies; Survival Analysis Methods in Cancer Research; HIV Viral Load Modeling; Bayesian Analysis; Statistical Computing

**Horney, Jennifer.** *Department Head, Associate Professor.* Disaster Epidemiology Methods; Public Health Preparedness; Population-based Sampling; Public Health Systems and Services Research; Public Health Surveillance; Outbreak Investigation; Disaster Recovery; Community Resilience

**Maria Perez-Parton.** *Assistant Professor.* Demographic Methods; Reproductive Health; Migration and Family Formation; Immigrant Health; Minority Aging

**Ross, Jennifer.** *Instructional Assistant Professor.* Environmental Contaminants and Exposures; Occupational Injury and Diseases; Health Disparities in Underserved Populations

**Taylor, Brandie.** *Assistant Professor.* Reproductive and Perinatal Epidemiology Methods; Identifying Genetic Markers and Biomarkers to Predict Risk of Reproductive / Pregnancy Complications; Prevention of Sexually Transmitted Infections

**Taylor, Nicholas.** *Assistant Professor.* Molecular Epidemiology of Cancer - Melanoma and Breast Cancer; Study Design and Conduct

**Tekwe, Carmen.** *Assistant Professor.* Cancer Research; Nutritional Epidemiology; Radiation Epidemiology; Gerontology; Health Disparities; Bioinformatics; Proteomics; Measurement Error Models; Longitudinal Data Analysis; Survival Analysis; Applications of Generalized Linear Models; Neuro-statistics; Functional Data Analysis; Mixed Effects Models

**Zanwar, Preeti.** *Instructional Assistant Professor.* Economics of End-Stage Renal Disease; Cancer Screening; Aging & Health Disparities; Infections & Vaccines

**Zoh, Roger.** *Assistant Professor.* Biostatistics; Bayesian Inference, Reliability Modeling and Factor Analysis; Analysis of Genomic Data; Engineering Statistics; Bioinformatics; Functional Longitudinal Data Analysis; Machine Learning; Statistical Monitoring; Nutrition and Cancer Epidemiology

# Faculty Research Interests by Department

## **Health Policy & Management**

**Alexander, James.** *Associate Professor.* Development of Community and Health Networks; Small Rural Hospital Leadership; Effectiveness of Critical Access Hospitals; Nursing Shortages

**Bolin, Jane.** *Professor.* Health Law and Ethics; Regulatory Compliance; Cancer Screening and Prevention; Diabetes Self-Management; Chronic Disease Management; Interdisciplinary and Translational Research; Rural Health Research; Rural Healthy People 2020

**Callaghan, Timothy.** *Assistant Professor.* Health Politics; Medicaid Coverage and Expansion; Health Insurance Marketplace Enrollment and Regulation; Lobbying in the Health Sector; State Politics; Public Opinion; Executive Politics; Survey Design

**Carrino, Gerard.** *Instructional Professor.* Evaluation: Program, Process, Outcomes, Economic; Nonprofit Sector in Health Care; Health Care Philanthropy and the Social Sector; Prematurity, Birth Defects, Infant Mortality; Public Health Finance

**Côté, Murray.** *Associate Professor.* Health Care Operations; Patient Flow, Capacity Planning and Management; Demand Forecasting; Nurse Staffing and Scheduling

**Fairchild, Amy.** *Associate Dean for Academic Affairs, Professor.* Immigrant Health Inspection; Disease Control; Disease Surveillance and Privacy; Public Health Issues; Tobacco Control

**Ferdinand, Alva.** *Assistant Professor.* Impact of Laws and Other Policies Relative to Public Health Outcomes: Roadway Safety, Obesity, and Access to Care; State and Federal Regulation of Health Care and Community Health Development

**Hatala, Jeffrey.** *Assistant Professor, MPH Program Director.* Public Health Systems and Service Research; Rural Health, Health Policy, and Vulnerable Populations; Nutrition, Physical Activity, Obesity and Related Conditions; Educational Pedagogy, Particularly Around Writing Skills in Health Professions

**Griffith, Jennifer.** *Associate Dean for Public Health Practice, Associate Professor.* Public Health Emergency Preparedness and Response; Intervention Implementation, Management and Evaluation

**Kash, Bitu.** *Associate Professor.* Organizational Capacity for Change and Transformation; Change Implementation in Healthcare; Healthcare Strategic Planning and Marketing; Evaluation of Integrated Primary Care Networks; Quality and Cost of Care; Strategic Management in Nursing Homes

**Kum, Hye-Chung.** *Associate Professor.* Data Science for Health Care; Population Informatics; Health Informatics; Health Policy Research; Program Evaluation Using Big Data; Decision Support Systems for Health Policy and Management

**Lin, Sherry.** *Instructional Assistant Professor.* Preventive Care Services; Disabilities Research; Vulnerable Populations

**McMaughan, Darcy.** *Assistant Professor.* Access to Care for Children and Youth with Special Health Care Needs; Community Participation, Independent Living and Social Integration for People with Disabilities; Quality of Care in Long Term Supports and Services; Assessment of Functional Ability and Care Needs

**Morrissey, Michael.** *Department Head, Professor.* Employer-sponsored Health Insurance; Affordable Care Act; Medicare & Medicaid; Effects of Legislation on Health and Health Care; Hospital Economics; Price Transparency in Health Care

**Ohsfeldt, Robert.** *Regents Professor.* Cost-Effectiveness and Cost Models; Economics of Health Behavior; Impact of Health Sector Regulation

**Quiram, Barbara.** *Professor.* Public Health Infrastructure; Health System Service Quality; Public Health Workforce Development; Rural Community Health System Planning and Development; Rural Community Disaster Planning

**Radcliff, Tiffany.** *Professor.* Health Economics; Health Policy; Health Services Research; Improving Quality of Care in Long-term Care; Access to Care for Rural and Other Underserved Populations; Improving Care Processes and Outcomes; Economic Evaluation

**Ramirez, Gilbert.** *Professor.* Systematic Review and Meta-Analytic Methodology; Decision Making Sciences; Evidence-Based Practice

**Schmidt, Cason.** *Research Assistant Professor.* Law as a Social Determinant of Health; Health Information Technology; Health Information Exchanges; Privacy, Confidentiality, and Security of Health Information; Public Health Reporting and Surveillance; Pharmacists' Vaccination Authorities

**Tomaszewski, Lesley.** *Instructional Assistant Professor.* Social Learning and Identity Formation; Gender in the Workplace; Andragogy and Curriculum Development

**Washburn, David.** *Assistant Professor.* Global Health; Health Policy; Health Systems Analysis; Strategic and Capital Planning; The Diffusion of Innovations; Decision-Making Behavior; Access to Care

## **Environmental & Occupational Health**

**Appiah, Bernard.** *Assistant Professor.* Public Engagement; Communication; mHealth and Mass Media Interventions for Behavior Change; Global Health; Knowledge Dissemination; Design, Implementation and Evaluation of Socio-behavioral Interventions; Social Network Analysis; Mixed Methods

**Benden, Mark.** *Department Head, Associate Professor.* Office Worker Obesity, Classroom Ergonomics and Childhood Obesity; Medical Device Development and Testing; Rehabilitation Engineering

**Bokelmann, Annamarie.** *Assistant Professor.* Environmental Health; Site Assessment; Regulatory Compliance, Health and Safety

**Carrillo, Genny.** *Associate Professor.* Public Health and US-Mexico Border Health Issues; Interactions of Human Health and the Environment; Asthma in School Children; Home Safety and Healthy Homes

**Cizmas, Leslie.** *Assistant Professor.* Environmental Health and Xenobiotic Exposures; Assessment of Pesticide Exposure in Children; Development of Effective Methods for Exposure Reduction; Community Health Education; Environmental Justice and Health Disparities; Global Health

**Johnson, Natalie.** *Assistant Professor.* Inhalation and developmental toxicology; maternal air pollution exposure; neonatal respiratory tract infections; childhood asthma; gene-environment interactions

**Maddock, Jay.** *Dean, Professor.* Social Ecological Approaches to Increasing Physical Activity; Nutrition, Tobacco Use, and Global Health

**McDonald, Thomas.** *Professor.* Environmental Chemistry; Petroleum Geochemistry; General Organic Chemistry.

**Mehta, Ranjana.** *Assistant Professor.* Neuro-ergonomics; Operator Stress and Fatigue; Obesity and the Aging Brain; Falls Prevention

**Mendoza-Sanchez, Itza.** *Research Assistant Professor.* Mathematical and Experimental Models for Assessing Transport; Organics Trapped and Absorbed in Soils as a Source Zone of Groundwater Contamination; Water Balance Modeling.

**Ory, Marcia.** *Associate Dean for Research, Regents Professor and Distinguished Professor.* Aging and Health Promotion; Evidence-based Disease Prevention Programs; Injury Prevention and Control; Clinical-Community Linkages; Health Disparities; Translational Research

# Faculty Research Interests by Department

**Peres, S. Camille.** *Assistant Professor.*  
Biomechanics of Human Computer Interactions; Design Guidelines for Auditory Displays; Usability of Home Health Care Technology

**Pickens, Adam.** *Assistant Professor.*  
Ergonomic Tool Development; Occupational Safety Screening/Tool Development; Upper Extremity Modeling; Manual Materials Handling; Occupational Biomechanics

**Rene, Antonio.** *Professor.* Occupational/ Environmental; Chronic Disease Epidemiology; Research Training

**Sharma, Virender.** *Professor.* Iron-Based Oxidants (Ferrates and Ferrites); Kinetics and Mechanism of High-Valent Transition Metals; Advanced Oxidation Methods; Solar-Based Photoactive Materials in Water Treatments; Green Synthesis of Nanoparticles; Formation, Fate and Toxicity of Nanoparticles in Aquatic Environment

**Smith, Matthew.** *Associate Professor.*  
Health Risk Behaviors Across the Life Course; Evidence-based Programming for Older Adults; Program Evaluation; Measurement; Survey Research and Methodology

## ***Dean's Office/Academic Affairs***

**Kodatt, Stephanie.** *Assistant Professor.*  
Leadership; Spirituality; Management; Mental Health



### 2017 Graduate Student Research Winners

L-R: Dr. Marcia Ory, Marvellous Akinlotan 3rd place, Xiao Zhang 2nd place, Ashley Hill 1st place, Dean Maddock

The report is prepared by the School of Public Health Office of Research with contributions from faculty and staff.

For more information regarding this report or research at SPH, please contact Linnae Hutchison, Director, at the contact number or website listed below.