



TEXAS A&M UNIVERSITY

School of Public Health

## 2019 Annual Research Report

Prepared by the Texas A&M University School of Public Health Office of Research

The SPH Office of Research mission is to provide efficient, effective administration and support for research activities of the faculty and staff of the School of Public Health.

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# Annual Research Overview

Research is an integral part of the mission of the Texas A&M School of Public Health (SPH). SPH faculty, staff, and students actively engage in a diverse array of sponsored and unsponsored research projects. This report summarizes SPH sponsored projects, publications, presentations, and awards for calendar year 2019 (CY 2019).

**Highlights:** During 2019, two new large-scale multi-year projects were funded that include SPH researchers as leaders or key personnel: the Blue Cross Blue Shield Moonshot project and the State of Texas Medicaid 1115 waiver evaluation project. The 14<sup>th</sup> annual Dr. Jean Brender student poster competition was held during National Public Health Week in April. The Office of Research continued to engage researchers through a variety of educational and other programming and concluded the funding for the final round of Research Enhancement and Development Initiative (REDI) seed grants. Darin Garrett joined the Office of Research as new Program Coordinator in Fall 2019 and, among other valuable contributions, co-developed a new “Students to Faculty (S2F)” program to match students interested in research opportunities with SPH faculty researchers.

**Internal Funding Initiatives:** The Texas A&M University President’s Excellence Fund continued to sponsor two campus-wide opportunities – the Triads for Transformation (T3) for new multi-component pilot project collaborations offering \$30,000 each to build a proof of concept and larger X-grants with competitive awards ranging from \$500,000 to \$1,500,000. SPH faculty continued to submit proposals and receive funding for these collaborative projects in 2019.

**2019 New & Continued Sponsored Research Funding Sources:** SPH researchers secured highly-competitive extramural research funding from federal and state governments, foundations, and other sources. Funding sources in 2019 included, among others: the Cancer Prevention Research Institute of Texas (CPRIT), National Science Foundation (NSF), National Institutes of Health (NIH), United States Department of Agriculture (USDA), Health Resources and Services Administration (HRSA), U.S. Department of Veterans Affairs (VA), Texas Department of State Health Services (DSHS), and the Robert Wood Johnson Foundation (RWJ). A categorical summary of SPH funding and scholarly output is provided below.

## CY 2019 SPH Research Statistics

<b>Total Research Expenditures</b>	<b>\$ 6,767,693</b>
<b>Total Grants &amp; Contracts</b>	<b>119</b>
<b>Federal</b>	<b>72</b>
<b>State</b>	<b>18</b>
<b>Foundations / Private</b>	<b>10</b>
<b>Contracts</b>	<b>11</b>
<b>Internal</b>	<b>8</b>
<b>Publications</b>	<b>201</b>
<b>Presentations</b>	<b>154</b>
<b>Posters</b>	<b>106</b>

Texas A&M University  
School of Public Health

### **Our Vision**

Stronger Communities  
Healthy People  
Our Tradition

### **Our Mission**

The 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.

### **Our 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

# Internal Grants and Funding Awards

The Texas A&M University President's Excellence Fund is a 10-year, \$100 million program designed to support faculty and build upon Texas A&M University's commitment to the three pillars of advancing transformational learning; enhancing discovery and innovation; and expanding impact on our community, state, nation, and world. Awards include both the Triads for Transformation (T3) and President's Excellence Award (X) Grants.

Similar to funding offered through the President's Excellence Fund, the Program to Enhance Scholarly and Creative Activities (PESCA) were directed towards research and scholarly projects that could result in a significant external funding award. 2019 was the final year that PESCA funding was offered at TAMU.

**T3: Texas A&M Triads for Transformation:** is a multidisciplinary seed-grant program designed to foster new research and scholarship by moving excellent ideas from a vision to proof of concept. This program builds interdisciplinary teams to develop long-term research and scholarship collaborations. **SPH faculty members in BOLD text.**

Algorithms for Opioid Use Prediction Derived From Daily Computer Use Patterns of Office Workers

**Benden, Mark E, EOH**  
**Zoh, Roger S, EPI/BIO**  
Liu, Jyh C, Engineering

Assessing and Remediating Health and Safety Issues In Children's Play Spaces in Resort Settings

**Maddock, Jason E, EOH**  
Suess Raeisinafchi, Courtney, AgriLife  
**Spengler, John O, HPCHS**

Framing Gun Control as a Suicide Prevention Measure: Influencing Health Education, Public Perception

Lueck, Jennifer A, Liberal Arts  
**Callaghan, Timothy H, HPM**  
Dunaway, Johanna L, Liberal Arts

Miniaturized Photonic Crystal Bio-Sensors For Sensitive and Label-Free Detection of Bio-Markers

Schuessler, Hans A, Science  
Lin, Paotai, Engineering  
**Carrillo, Genny, EOH**

The Burden of Crop and Livestock Disease-Associated Production

**Colwell, Gregory B, HPCHS**  
Budke, Christine M, Veterinary Medicine & Biomedical Sciences  
**Fischer, Rebecca, EPI/BIO**

The Role of Malat1 and Nrf2 in Regulating diabetogenic Effects of Early Life Air Pollution Exposure

**Johnson, Natalie M, EOH**  
Rodrigues Hoffmann, Aline, Veterinary Medicine & Biomedical Sciences  
**Ferdinand, Alva O., HPM**

## **Program to Enhance Scholarly and Creative Activities (PESCA).**

Sponsored by the Division of Research at Texas A&M, (Awarded January 30, 2019). **SPH faculty members in BOLD text**

Examining Contextual Risk Factors of Smoking during Pregnancy and Postpartum Smoking Relapse among Rural, Low-Income Maternal Women.

**Ping Ma, HPCHS**  
**María Perez-Patron, EPI/BIO**  
Lei-Shih Chen, Education and Human Development

Using a Mixed-Methods Approach to Examine Contextual Factors about Unintentional Injury Risk among Children with Special Healthcare Needs.

**Ping Ma, HPCHS**  
Dalun Zhang, Education and Human Development

# Texas A&M President's Excellence Fund: X Grants

**The X Grant** program was designed to bring faculty of Texas A&M together across disciplines. The program's goal is to unlock creative and imaginative ideas that will address important problems in areas that will significantly impact the most important challenges facing global society. **SPH faculty members in BOLD text.**

Digital Twin City for Age-friendly Communities:  
Crowd-biosensing of Environmental Distress

Ahn, Changbum R, Architecture  
Chaspari, Theodora,  
Computer Science & Engineering  
Ham, Youngjib, Construction Science  
Lee, Chanam, Landscape Architecture & Urban Planning  
Manser, Michael P., Texas A&M Transportation Institute  
**Preeti Zanwar, EPI/BIO**  
Tan, Shuman, Texas A&M Transportation Institute

Mitigating Mental Health Stigma in Higher Education  
through Complementary Facilitated Dialogues

Sasangohar, Farzan, Industrial & Systems Engineering  
Covey, Mary A, Vice President for Student Affairs  
**Kash, Bitu A, HPM**  
Liberzon, Israel, Psychiatry  
McCord, Carly E, Psychiatry  
McDonald, Anthony, Industrial & Systems Engineering  
Ranjana Mehta, Industrial & Systems Engineering  
Rao, Arjun, Industrial & Systems Engineering  
**Schmit, Cason D, HPM**

# Research Centers CY 2019



TEXAS A&M HEALTH

Center for Population  
Health and Aging

**Founding Director:**  
**Marcia Ory Ph.D**

**Co-Director:**  
**Matthew Smith Ph.D**

## Key Accomplishments

CPHA led the Texas Active for Life® Coalition with over 150 state-wide members to focus on campus, community, clinical and corporate partners on healthy aging issues.

CPHA received the 2019 Redefining American Healthcare Award from the Healthcare Leadership Council for its Texas Active for Life® Program. CPHA received the 2019 Community Connectivity Award from Tivity Health for their rural health programming.

CPHA expanded its funding and strategic initiatives to include more corporate and industry partners such as Pfizer Vaccines, Birkland Current, Clairvoyant Networks, and STATinMED Research.

CPHA Co-Director Matthew Smith received the 2019 Mentorship Award from the American Academy of Health Behavior.

CPHA was a finalist for the 2019 ASPPH Harrison Spencer Award.



TEXAS A&M HEALTH

Southwest Rural Health  
Research Center

**Director:**  
**Alva Ferdinand J.D., Ph.D**

**Co-Director:**  
**Jane Bolin R.N., J.D., Ph.D**

## Key Accomplishments

Jane N. Bolin and Alva Ferdinand presented SRHRC research on rural health disparities at four legislative briefings held at the U.S. Capitol.

SRHC researchers (Bolin, Ferdinand, and Callaghan) were invited to present their work at events sponsored by the Harvard T.H. Chan School of Public Health, Rural Health Research Gateway, HRSA National Conferences, and Rural Healthy People Diabetes Benchmarking conversations with the CDC.

Jane Bolin wrote an article about Rural Hospital Closings for *The Conversation*.

In conjunction with the TAMU College of Medicine, Family Residency Program, the CPRIT-funded breast, cervical, and colorectal cancer screening and prevention grants, SRHRC provided clinical services, outreach, training, and education in many predominantly rural and under-served Texas counties.

## Research Centers CY 2019 continued...



**Director:**  
**Mark Benden Ph.D**

**Co-Director:**  
**Adam Pickens Ph.D**

### Key Accomplishments

The Texas A&M Ergonomics Center conducted video analysis of cashier positions for assessment of occupational health and safety outcomes, determining strategies to minimize injury while the employee completes their assigned tasks. This analysis has the potential to impact millions in the retail industry.

In conjunction with several industry partners, such as Dell computers, the Texas A&M Ergonomics Center developed a worldwide integration plan for smart building technology including WELL certification (program for healthy buildings that focuses on employees' health and wellness). This facility management plan was deployed worldwide for 165,000+ employees.

The Ergonomics Center continues to submit patent applications for new health sensors in the office environment that can detect anomalies in health status, and an additional patent (Benden) for electronic sitting/standing desks, and anti-fatigue devices that are licensed by Varidesk® (now Vari®) for commercialization.



**Director:**  
**Tom Ferris Ph.D**

**Co-Director:**  
**Bitka Kash MBA, Ph.D**

### Key Accomplishments

CHOT celebrated its 11th year of collaboration with 16 sponsored projects spanning population health, analytics, innovative technology, improving the patient experience, care coordination, and access to care analysis.

In spring 2019, CHOT hosted a strategic planning meeting to prepare for the Phase III Industry/University Cooperative Research Center grant.

TAMU faculty progressed in their project work focused on best practices in connecting and utilizing databases in large health systems to better manage patient populations and treatments.

## Research Centers CY 2019 continued...



TEXAS A&M HEALTH

Center for Community  
Health Development

**Director:**  
**Jim Burdine Ph.D**

**Co-Director:**  
**Lisako McKyer Ph.D**

### Key Accomplishments

CCHD conducted regional health assessments including the Brazos Valley Health Assessment of an eight county Brazos Valley region and the St. Luke's Health-Memorial Health Assessment of an eight county East Texas region.

CCHD began evaluating the Hogg Foundation's Well-being in Rural Communities initiative, which funds community-driven activities aimed at improving the mental and emotional well-being of citizens.

CCHD continued state-wide evaluation and capacity building efforts to prevent sexual violence and provide tele-assisted medical forensic exams to survivors of sexual assault through multiple projects including the Texas Rape Prevention and Education Evaluation project, the Texas Tele-forensic Remote Assistance Center, and the Telehealth Center for Sexual Assault Forensic Medical Examination.

CCHD continued capacity building of Community Health Workers (CHW) through certification and/or direct training of approximately 850 CHWs and CHW Instructors as well as the development of curricula and evaluations in partnership with the American Cancer Society, Texas Department of State Health Services, and National Rural Health Association.



**Director:**  
**Barbara Quiram Ph.D**

### Key Accomplishments

The USA Center facilitated the first Tribal Preparedness Workshop in South Dakota to promote collaboration among the Sioux Tribes in the event of a public health disaster.

The long-standing partnership between the USA Center, the South Dakota Department of Health, and the Sioux Tribes in South Dakota led to a new contract with the Texas Department of State Health Services to build relationships between the Center for Health Emergency Preparedness and Response and each of the three federally-recognized tribes in Texas. The goal of this project is to promote coordination between the state and tribe in planning for and responding to emergencies affecting the public's health.

Prior to the first reported cases of COVID-19 in Texas, the Department of State Health Services Center for Health Emergency Preparedness and Response requested the USA Center stand up support efforts to engage sector partners to better understand broader concerns during the planning phase.



# Research Programs CY 2019



## **Program for Asthma Research & Education**

Director: Genny Carrillo, M.D., ScD



## **Program on Global Health Research**

Director: Brian Colwell, Ph.D



## **Program for Reproductive Health & Child Health**

Director: Maria Perez-Patron, Ph.D



## **Program for the Environment & Sustainability**

Director: Virender Sharma, Ph.D



## **Program on Health Law & Policy**

Director: Cason Schmit J.D.

Co-Director: J.O. Spengler Ph.D, J.D.



## **Program on Public & International Engagement for Health**

Director: Bernard Appiah, DrPH

# New Extramural Funding Awards\* for CY 2019

\*Awards Received by SPH Investigators as PI or Co-PI with initial funding or start dates in CY 2019

**Andreyeva, Elena.** Translational Research & Quality. HealthCore Inc. \$35,000 (2019-2020).

**Benden, Mark.** Evaluation of Employee Data Related to Hurricane Harvey Displaced Workers. BP American. \$6000 (2019-2020).

**Bolin, Jane.** Rural Health Best Practices and Community Development Cooperative Agreement. National Rural Health Assoc/DHHS. \$500,000 (2019-2020).

**Carrillo, Genny.** Association between children's asthma and indoor air pollution from homes in low-income communities in South Texas: A pilot study. TAMU/NIH-NIEHS. \$15,000 (2019-2020).

**Carrillo, Genny.** Development Award. The Raul Tijerina Jr. Foundation. \$20000 (2019-2020).

**Clark, Heather. Jones-McKyer, Ellisa.** Garaibeh, Nasir. (PI). Evaluation Services for the Hogg Foundations-Well-Being In Rural Communities (WRC). Alliance for Greater Works/Hogg Foundation. \$330,000 (2019-2021).

**Gorman, Dennis. Taylor, Nick.** Protocol-Publication Discrepancies and p-hacking in Public Health Research. DHHS Office of the Assistant Secretary of Health. \$146,223 (2019-2020).

**Han, Gang. Bolin, Jane. Ory, Marcia.** Healthy Kids, Safe Homes: A Novel Approach to Preventing Opioid Misuse/Abuse in Rural Texas. USDA/NIFA (TAEX is lead PI). \$324841 (2019-2021).

**Han, Gang.** Consulting Contract. Oregon Health Science. \$7000 (2019-2019).

**Kash, Bitia. Andreyeva, Elena. Smith, Matthew. Han, Gang** Moonshot: Blue Cross Blue Shield of Texas; Data Core 1. \$1,165,745  
Data Core 2. \$320,327 (2019-2021).

**Kum, Hye-Chung. Washburn, David.** Evaluation of the 1115 Medicaid Waiver Demonstration Renewal in Texas DY6-DY11. Texas Health and Human Services. \$5,362,881 (2019-2024).

**Kum, Hye Chung.** Texas Health and Human Services Commission. Health Teleservices Evaluation Project \$436,129 (2019-2021).

**Clark, Heather. McKyer, Ellisa.** 2019-2020 Rape Prevention and Education Evaluation DHHS-CDC. \$250,000 (2019-2021).

**Maddock, Jay.** Aggie Tobacco-Free Generation Campus Initiative American Cancer Society (TFGCI). \$20000 (2019-2021).

**Maddock, Jay.** TAES/NIH-NCI. \$14,454 (2019-2024).

**Martinez, Denise.** Mitchell, Stacey (PI). The fiscal Year 2020 Activities of a Project Focused on Disseminating Smoking Cessation Outreach Strategies and Educational Activities Across the State of Texas TX DSHS. \$55,000 (2019-2020).

**Clark, Heather (Co-PI).** Mitchell, Stacey (PI). Telehealth Center for Sexual Assault Forensic Medical Examination (Center) Office of the Attorney General of Texas. \$1,000,000 (2019-2021).

Mitchell, Stacey (PI). **Clark, Heather (Co-I).** Texas Remote Assistance Center (Tex-TRAC): Improving Care, Access, and Quality of Sexual Assault Forensic Exams using Telehealth DOJ-National Institute of Justice. \$4,000,000 (2019-2022).

**Ohsfeldt, Robert. Radcliff, Tiffany.** The Affordability of Health Services within a Privately Insured Population Health Care Service Corporation. \$174,981 (2019-2022).

**Ory, Marcia G. Smtih, Matthew** BCBS Project 4: Testing New Models of Diabetes Self Management to Improve Population Health: Living Healthier with Diabetes Blue Cross Blue Shield of Texas. \$1,988,754 (2019-2021).

**Quiram, Barbara.** DSHS Texas Tribal Preparedness Texas Department of State Health Services. \$37,703 (2019-2020).

**Quiram, Barbara.** DSHS Texas Tribal Preparedness TX DSHS. \$212,453 (2019-2019).

**Quiram, Barbara.** DSHS Texas Tribal Preparedness Texas Health Institute. \$50,412 (2019-2019).

**Radcliff, Tiffany.** (IPA): Veterans Emergency Management Evaluation Center (VEMEC) Department of Veterans Affairs. \$111,604 (2019-2020).

**Sansom, Garret.** Reducing the Human Impacts of Flash Floods: Development of Microdata and Causal Model to Inform Mitigation and Preparedness. National Science Foundation. \$350,000 (2019-2019).

**Schmit, Cason.** Consultant Contract Network for Public Health Law. \$6,000 (2019-2019).

**Smith, Matthew.** Falls Infrastructure, and Expansion and Integration Enhancement. United Way Tarrant County/DHHS. \$90,000 (2019-2022).

**Smith, Matthew. Ory, Marcia** Alzheimers Disease Program Initiative BakerRipley/DHHS. \$100,000 (2019-2020).

# Active Grants & Contracts CY 2019

Center Grants / Alphabetically by SPH PI Last Name

## SOUTHWEST RURAL HEALTH RESEARCH CENTER

**Bolin, Jane. Ferdinand, Alva.**

Southwest Rural Health Research Center: Rural Health Research Grant Program Cooperative Agreement, Health Resources and Services Administration (HRSA). \$2,816,714 (2016-2020).

**Bolin, Jane. Ferdinand, Alva. Callaghan, Timothy.**

Southwest Rural Health Research Center Year 3 Project 4: Midterm Examination of Healthy People 2020: Comparisons across the Urban-Rural Continuum in Meeting National Mortality Objectives. \$105,004 (2018-2019).

**Ferdinand, Alva. Callaghan, Timothy.**

Southwest Rural Health Research Center Year 3 Project 5: Webinar of Project 4 Results. \$16,714 (2018-2019).

**Callaghan, Timothy. Washburn, David. Schmit, Cason.**

Southwest Rural Health Research Center. Year 3 Project 2: Community Health Worker Roles, Regulations, and Growth in Rural America. \$112,954 (2018-2019).

**Radcliff, Tiffany.**

Southwest Rural Health Research Center. Year 3 Project 3: Disaster Planning, Preparedness, & Response for Rural Long-Term Care Providers. \$99,972 (2018-2019).

## CENTER FOR POPULATION HEALTH AND AGING

**Ory, Marcia (PI). Ledric Sherman (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 (NIH). \$297,939 (2018-2020).

**Ory, Marcia.**

Brazos Valley Area Agency on Aging Evidence-Based Programs for seniors. Brazos Valley Council of Governments Area Agency on Aging. \$76,200 (2013-2019).

**Ory, Marcia.**

Healthy South Texas, State of Texas. \$4,560,000 (2018-2019).

**Ory, Marcia (PI), Lee, Chanam (PI), Zhu, Xuemei (PI).**

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 (NIH). \$2,684,000 (2015-2020).

**Ory, Marcia.**

SUSTAIN for Better Health and Health Care for Older Adults, DHHS Administration for Community Living (ACL). \$895,189 (2016-2019).

**Ory, Marcia. Smith, Matthew.**

Assessing the Utility and Effectiveness of Dementia Patient Monitoring. TARCC. \$439,999 (2018-2020).

**Ory, Marcia (CoPI). Lee, Chanam. Zhu Xuemei**

Dementia-Friendly Communities to Promote Active Living in Persons with AD/ADRD. Administrative Supplement. \$281,495 (2018-2020).

**Ory, Marcia.**

GamePlan4Care: Web-based Delivery System for REACH II. Baylor Research Institute. \$ 63,156 (2018-2023).

**Ory, Marcia (PI). Lee, Chanam (PI), Li, Weh (PI).**

Fighting Obesity by Reinventing Public Transportation: A Natural Experiment. National Institutes of Health (NIH). \$2,591,084 (2018-2023).

**Ory, Marcia (PI). Lee, Chanam (PI), Zhu, Xuemei (PI).**

Administrative Supplement: Physical Activity Impacts of a Planned Activity-Friendly Community: The What, Where, and Why of Environmental Approached to Obesity Prevention. National Institutes of Health (NIH). \$358,129 (2018-2019).

**Ory, Marcia (Co-PI). Purcell (Co-PI).**

Teens Think Smart: A Novel Approach to Preventing Opioid Misuse Among Adolescents in Rural Texas. USDA/NIFA. \$97,782 (2019-2021).

**Ory, Marcia (PI).**

Working on Wellness: Promoting Physical Activity through Tactical Urbanism. ASPPH Inc. \$9,259 (2018-2020).

**Ory, Marcia (PI).**

Improved AD/ADRD Assessment Sensitivities Using a Novel In-Situ Sensor Systems. \$701,497 (2019-2021).

**Smith, Matthew. Ory, Marcia (Co-PIs).**

Dementia Connections: Expansion of Dementia Specific Case Management. Baker Ripley Administration for Community Living. \$82,488 (2019-2020).

**Smith, Matthew.**

Evaluating Evidence-based Fall Prevention and Disease Self- Management Programs, National Council on Aging (NCOA). \$22,912 (2017-2019)

**Smith, Matthew.**

Putting CDSMP to Work: Implementation of the Live Healthy, Work Healthy Program, University of Georgia Athens [NIH/NHLBI]. \$3,270,797 (2017-2020).

**Smith, Matthew.**

Evidence-Based Programs and Healthcare Utilization in Florida. Florida Health Networks. \$50,000 (2018-2020).

**Smith, Matthew. Ory, Marcia**

No Falls Partnership, United Way Tarrant County; DHHS - Administration for Community Living. \$96,000 (2017-2020).

**CENTER FOR HEALTH ORGANIZATION TRANSFORMATION**

**Kash, Bitu.**

Innovative Managing Director, National Science Foundation  
Research Experiences for Undergraduates I/UCRC. \$1,063,940 (2014-2020).

**Kash, Bitu.**

The Cost of Postoperative Delirium; CHOT Membership. American Society of Anesthesiologists. \$150,000 (2016-2019).

**Kash, Bitu.**

Development of Face-To-Face Training Course Curriculum, International Atomic Energy Agency (IAEA). \$17,258 (2016-2020).

CHOT Membership Agreements:

Main Line Health. The Role of Disparities in 30 -Day Hospital Readmission Rates. \$300,000 (2015-2021).

Children's National Medical Center. \$150,000 (2018-2021).

College of Medicine Practice Plan, Texas A&M Health Science Center. \$150,000 (2018-2021).

CHOT Site Contributions:

The University of Louisville. \$20,000. (2017-2019).

The University of Washington. \$20,000 (2017-2020).

The University of Alabama-Birmingham. \$60,000 (2017-2019).

**ERGONOMICS CENTER**

**Benden, Mark.**

Texas A&M University Occupational Safety & Health Training Program (competitive 5 year renewal), NIOSH. \$750,000 (2018-2023).

**Benden, Mark. (Co-I).**

NSF ERC PATHS-UP with Center for Remote Health and Systems Technology. \$10,000,000 (2017–2022).

**Benden, Mark.**

Impact of Varidesk® usage and gamification concept on sedentary behavior at Texas A&M University, Varidesk. \$75,000 (2018-2021).

Mehta, Ranjana. (PI). **Peres, Camille (Co-PI).**

RAPID: Human-Robotic Interactions during Hurricane Harvey Recovery Operations, National Science Foundation. \$117,579 (2017-2019).

**Peres, Camille.**

NSF Eager: Humans, Teams, and Technologies: Human-Team and Team-Machine Interaction in Emergency Response, National Science Foundation. \$239,870 (2016-2019).

## CENTER FOR COMMUNITY HEALTH DEVELOPMENT

**Clark, Heather.**

Rape Prevention and Education Contextual Climate Assessment Expansion. Office of the Attorney General of Texas. \$150,000 (2018-2019).

**McKyer, E. Lisako.**

DFPS Program Evaluation, Texas A&M/Agrilife / DSHS. \$198,002 (2016-2019)

**McKyer, E. Lisako.**

Texas Rape Prevention and Education Evaluation, Office of the Attorney General of Texas / Centers for Disease Control and Prevention. \$467,505 (2017-2019).

## USA CENTER FOR RURAL PUBLIC HEALTH PREPAREDNESS

**Quiram, Barbara.**

Cause of Death Online Trainings, Texas Department of State Health Services. \$750,000 (2017-2020).

**Quiram, Barbara.**

Texas Public Health Risk Assessment Tool (TXPHRAT). Texas Department of State Health Services. \$202,189 (2019-2020).

**Quiram Barbara.**

South Dakota Technical Assistance. South Dakota Health Department. \$35,629 (2019).

**Quiram Barbara.**

Texas Tribal Preparedness Project 2019. Texas Department of State Health Services. \$37,701 (2019-2021).

**Quiram, Barbara.**

Texas Hurricane Response Hub Technical Assistance Center. Texas Health Institute. \$52,000 (2019-2020).

## Other Active Grants & Contracts

**Appiah, Bernard** 10+10+30 Infant Vaccines Communication via Radio in Ethiopia, Bill and Melinda Gates Foundation. \$100,000 (2018-2019).

**Bolin, Jane (Co-PI).** McKnight, Jason (PI). Advancing an Established Colorectal Cancer Prevention Program for Rural & Underserved Texans through Family Medicine Residency CPRIT. \$1,499,202 (2018- 2021).

**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)

**Burdine, James (Co-PI).** Griffin Andreea Voinea (PI). To Better, To Serve – a Faculty Development Program for Enhanced Dental Education and Community Service. DHHS-HRSA-Health Resources Development. \$1,366,609 (2016-2021).

**Carrillo, Genny.** Hospital Asthma Discharges and its Relation with Hazardous Air Pollutant. Driscoll Children's Hospital. \$25,000 (2018-2021).

**Carrillo, Genny.** Hospital Asthma Discharges and its Relation with Hazardous Air Pollutant. Driscoll Children's Hospital. \$25,000 (2018-2020).

**Carrillo, Genny.** Health Outcomes of Water Insecurity in Urban Mexico: A Pilot Project, Texas A&M University CONACYT Program. \$4,000 (2017-2019).

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

**Fischer, Rebecca.** Investigation into the Epidemic of Unexplained Kidney Disease in Nicaragua: Understanding the Acute Clinical Scenario and Natural History of Disease in Mesoamerican Nephropathy. DHHS-NIH-Fogarty International Center. \$691,660. (2018-2023).

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

**McDonald, Thomas (Co-PI).** Ivan Rusyn (PI). McDonald, Thomas (Co-PI). Superfund: Comprehensive Tools and Models for Addressing Exposure to Mixtures during Environmental emergency-related Contamination Events (Community Engagement Core), NIEHS. \$9,721,003 (2017-22). Exposure to Mixtures during Environmental emergency-related Contamination Events (Community Engagement Core), NIEHS. \$9,721,003 (2017-22).

**McDonald, Thomas (Co-PI).** Prioritizing Risks from Oil Spills, National Academy of Sciences. \$700,000 (2017-2019).

**Johnson, Natalie.** Mechanisms of Particulate Matter Driven Infant Respiratory Disease, NIH/NIEHS Outstanding New Environmental Scientist Award. \$2,068,455 (2017-2022).

**Johnson, Natalie (Co-I).** Young, Robin (PI) Model Education Networks to Optimize Rural Science. DHHS-NIH-National Institute of General Medical Science. \$809,689. (2018-2021).

**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, TEES / National Science Foundation. \$39,928 (2017- 2020).

**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).

**Mendoza, Itza.** Influence of contaminant antibiotics on antibiotic resistance in soils, Texas A&M University PESCA Program. \$25,000 (2017-2020).

**Mendoza, Itza.** Spread of Contaminant Antibiotics and Antibiotic Resistance in Soils Due to Extreme Weather Events, Texas A&M University CONACYT Program. \$12,000 (2017-2020).

**Mendoza, Itza.** Farmworkers' Risk of Exposure to Antibiotic-resistant Bacteria in Soils, Southwest Center for Agriculture Health, Injury Prevention, and Education / NIOSH. \$18,500 (2017-2019).

**Mendoza, Itza.** Farmworkers' Risk of Exposure to Antibiotic-Resistant Bacteria in Soils. DHHS-CDC-NIOSH. \$19,153 (2017- 2019).

**Perez-Patron, Maria.** The Role of Maternal Diabetes & Obesity in Reproductive Health Outcomes. Knapp Community Care Foundation. \$349,640 (2018-2021).



## Other Active Grants & Contracts continued...

**Perez-Patron, Maria.** Taylor, Brandie. (Co-PI). Maternal and Child Health Field-Initiated Research Program, Health Resources and Services Administration. \$334,335 (2015- 2020).

**Radcliff, Tiffany.** VEMEC IPA: VA Emergency Management and Evaluation Center Interagency Personnel Agreement, U.S. Department of Veteran's Affairs. \$841,387 (2011-2020).

**Schmit, Cason.** Continuing Support for the Mid-States Regional Center for Public Health Law at the University Of Michigan. Regents of the University of Michigan. \$23,000 (2018-2019).

**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).

**Sharkey, Joseph R.** Adding Value to Farm to Food Bank (AVF2FB). Sequim Food Bank. \$17,105 (2018-2020).

**Sharma, Virender. Cizmas, Leslie.** Collaborative Research: Ferrates (FeVI, FeV, and FeIV) Oxidation for Mitigation of Pharmaceutical Micropollutants in Source-Separated Urine: Underlying Mechanisms NSF. \$67,500 (2018-2021).

**Xu, Xiaohui.** Air Pollution and Alzheimer's disease and Related Outcomes, George Washington University. \$797,656 (2018-2022).



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- (1) Adetunji SA, **Ramirez G**, Foster MJ, Arenas-Gamboa AM. A Systematic Review and Meta-Analysis of the Prevalence of Osteoarticular Brucellosis. *PLoS Neglected Tropical Diseases* 2019; 13(1):e0007112.
- (2) Anand S, Caplin B, Gonzalez-Quiroz M, Schensul SL, Bhalla V, Parada X, Friedman DJ, Fire A, Levin A, **Fischer RS**, Friedman DJ. Epidemiology, Molecular, and Genetic Methodologies to Evaluate Causes of CKDu around the World: Report of the Working Group from the ISN International Consortium of Collaborators on CKDu. *Kidney international* 2019; 96(6):1254-1260.
- (3) **Andreyeva E, Ukert B**. The Impact of Medical Marijuana Laws and Dispensaries on Self-Reported Health. *Forum for Health Economics and Policy* 2019; 22(2):1-20.
- (4) \***Appiah B**, Poudyal A, Anum DA, Appiah G, Wesuta AC, Akodwaa-Boadi K, Ogodoo O, Nakkazi E, Mulogo EM, Odai SN. Challenges and Facilitators of Public Engagement with Water, Sanitation, Hygiene, and Other Environmental Health Issues in Ghana and Uganda: Perspectives of Scientists, Journalists, and the Public. *Journal of Water, Sanitation, and Hygiene for Development* 2019.
- (5) \***Appiah B**, Poudyal A, **Burdine J**, Asamoah-Akuoko L, Anum DA, Kretchy IA, Sabblah G, Dodoo AN, **McKyer L**. Factors that Influence the Intention to use Mobile Phone Caller Tunes for Patient Reporting of Adverse Drug Reactions: A Qualitative Study. *Therapeutic Advances in Drug Safety* 2019; 10.
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- (7) \*Baek J, Huang K, Conner L, Tapangan N, **Xu X, Carrillo G**. Effects of the Home-Based Educational Intervention on Health Outcomes among Primarily Hispanic Children with Asthma: A Quasi-Experimental Study. *BMC Public Health* 2019; 19(1):912.
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- (11) \*Boolani A, Sur S, Yang D, Avolio A, Goodwin A, Mondal S, Fulk G, Towler C, **Smith ML**. Six Minutes of Physical Activity Improves Mood in Older Adults: A Pilot Study. *Journal of Geriatric Physical Therapy* 2019.
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## Presentations

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- (6) \***Bolin JN**, Akinlotan M, Primm K, **Ferdinand A**, and **Callaghan T**. Demographic and Clinical Predictors of Late-stage Breast Cancer. National Rural Health Association Annual Conference, Atlanta, Georgia. May 19-22, 2019.
- (7) **Bolin JN**. Challenges of Chronic Disease Management in Rural Areas. NRHA Annual Policy Conference, Washington, D.C. February 7, 2019.
- (8) **Bolin JN**. Cancer Screening, Training, Education and Prevention Program, (Texas C-STEP), Outcomes. Houston Methodist Hospital Annual Cancer Conference, Houston, Texas. November 1, 2019.
- (9) \***Bolin JN**, Akinlotan M, Primm K, **Ferdinand A** and **Callaghan T**. Rural, Regional and Racial Disparities in Rates of Lower Extremity Amputations Associated with Diabetes: A National Study. Annual Meeting of the American Public Health Association, Philadelphia, Pennsylvania. November 2-6, 2019.
- (10) **Burdine J** and **Clark H**. Overview of Methods and Findings from 2019 CHI St. Luke's Health-Memorial Community Health Needs Assessment. CHI St. Luke's Health-Memorial Community, Lufkin, Texas. May 29, 2019.
- (11) **Burdine J**. A Peek at Rural Community Engagement. Texas A&M Rural and Community Health Institute, College Station, Texas. May 20, 24, and 28, 2019.
- (12) **Callaghan T**. Understanding and Ethically Combatting the Anti-Vaccine Movement in America. Baylor Scott & White Howard – Keegan Lecture on Medical Ethics. October 25, 2019.
- (13) **Callaghan T**. Have Healthy People 2020 Benchmarks for Leading Causes of Death been met in Rural and Urban Areas? Rural Health Research Gateway National Webinar. August 20, 2019.
- (14) **Callaghan T**. The Changing Burden of Diabetes in Rural and Urban America. Rural Health Research Gateway National Webinar. April 29, 2019.
- (15) **Callaghan T**, Kroeger M, and Karch A. Interest Groups, Polarization, and Intergovernmental Tension in the The United States. Annual State Politics and Policy Conference, College Park, Maryland. May 30-June 1, 2019.
- (16) \***Callaghan T**, Macareno B, **Bolin JN**, **Ferdinand A**, Primm K and Akinlotan M. Examination of Healthy People 2020: Comparisons across the Urban-Rural Continuum in Meeting National Mortality Objectives. Annual Meeting of the American Public Health Association, Philadelphia, Pennsylvania. November 2-6, 2019.
- (17) **Callaghan T**, Schneider M, and Sylvester S. Identity Development and Participation of Special Needs Parents. Annual Meeting of the American Political Science Association, Washington D.C. August 28-September 1, 2019.
- (18) \***Callaghan T**, **Washburn D**, Martinez D, Schmidt C and Thompson E. Community Health Worker Roles, Responsibilities, and Growth in Rural and Urban America. Rural Community Health Worker Conference, Bemidji, Minnesota. October 21, 2019.
- (19) Candon M, David G, **Ukert B**, and **Andreyeva E**. Nursing Turnover in a Large Health System. 8th Conference of the American Society of Health Economists, Washington, D.C. June 23-26, 2019.



- (20) **Carrillo G**, Jepson W, Baek J, Moran J, Lopez A, and Salas FU. Household Water Insecurity, Seasonality, and Public Health Challenges in Urban Mexico: A Cross-Sectional Study in Torreon. American Association of Geographers Annual Meeting, Washington DC. April 3-7, 2019.
- (21) Chen Z, Yanagisawa L, Liu Y, Camargo K, Casillas G, **McDonald T**, Horney J, and Chiu W. A Multi-Tissue Organotypic Human in Vitro Model for Rapid Identification of Environmental Chemicals and Mixtures. Rusyn 58th Annual Meeting of the Society of Toxicology, Baltimore Maryland. March 10-14, 2019.
- (22) **Cizmas L**. Challenges in Water Disinfection: Balancing Microbial and Chemical Risks. 2019 Gordon Research Conference on Water Disinfection, Byproducts, and Health, South Hadley, Massachusetts. July 28, 2019.
- (23) **Clark H**, Catanach C, and **Burdine J**. Community Health Resource Centers: A Grand Vision for Underserved Rural Communities. 2019 National Health Outreach Conference, Fort Worth, Texas. May 1-3, 2019.
- (24) **Clark H**, Catanach C, and Wilson A. Impact of a Partnership Approach to Increase Access to Services for Rural Communities through Locally Sustainable Community Health Resource Centers. National Association of County and City Health Officials Annual Conference, Orlando, Florida. July 9-11, 2019.
- (25) **Clark H**, Williams D, Outley C, and Martin E. Take Action! Connect Community Needs Assessments to Program Evaluation. 2019 Partners in Prevention Conference, Austin, Texas. November 5-7, 2019.
- (26) **Clark H** and **Burdine J**. Washington County Findings - 2019 Brazos Valley Health Status Assessment. Washington County Community Meeting, Brenham, Texas. August 14, 2019.
- (27) **Clark H** and **Burdine J**. Preliminary Findings from 2019 Brazos Valley Health Status Assessment. Brazos Valley Health Coalition, Bryan, Texas. June 12, 2019.
- (28) **Colwell B**. Tobacco use and Effects in the Democratic Republic of the Congo. 10th Congrès International des Pathologies Infectieuses et Parasitaires, Kinshasa, Democratic Republic of the Congo. November 11, 2019.
- (29) **Côté M**. A Primer on Patient Safety. Center for Optimizing Rural Health, Texas A&M University, College Station, Texas. August 13, 2019.
- (30) **Côté M**, Dobalian A, and **Radcliff TA**. Integrating Crisis Leadership, Planning, and Decision-Making into Curricula and Lifelong Learning. 2019 Annual Meeting of the Association of University Programs in Health Administration, New Orleans, Louisiana. June 12-14, 2019.
- (31) **Côté M**, **Radcliff TA**, Whittington M, Daniels M, and Perri M. Assessing Cost-Effectiveness of Behavioral Health Interventions with Incomplete Participation. 30th Annual Production and Operations Management Society Conference, Washington, D.C. May 2-6, 2019.
- (32) **DuPont-Reyes MJ**, Villatoro AP, Painter K, and Link BG. Mental Illness Stigma among Adolescents Living in the United States: Using Intersectional Versus Separate Race, Ethnicity, and Gender Variables. 2019 World Psychiatric Association Together Against Stigma, Singapore. October 3-5, 2019.
- (33) **DuPont-Reyes MJ**, Villatoro AP, Phelan JC, Painter K, and Link BG. Transcultural Media Influence on Mental Illness Stigma: A Study of Media Language Preferences among Latinx Adolescents from the United States. 2019 World Psychiatric Association Together Against Stigma, Singapore. October 3-5, 2019.
- (34) Eagle L, Lachenmayr S, and **Smith ML**. Strategies to Reduce Social Isolation in Community-Dwelling Older Adults. National Association of Area Agencies on Aging (n4a) Conference and Tradeshow, New Orleans, Louisiana. July 27-31, 2019.
- (35) Feng M, Jinadatha C, **McDonald T**, and **Sharma VK**. Enhanced Oxidation of Organic Pollutants in Waster by Activated Ferrate ((VI): Electron-Transfer versus Oxygen-Atom Transfer Reductants. American Chemical Society National Meeting, Orlando, Florida. March 3-9, 2019.
- (36) \***Ferdinand A**, **Callaghan T**, Macareno B, Akinlotan M, Primm K, and **Bolin JN**. Examination of Healthy People 2020: Comparisons across the Urban-Rural Continuum in Meeting National Mortality Objectives. National Rural Health Association Annual Conference, 2019, Atlanta, Georgia. May 19-22, 2019.
- (37) \***Ferdinand A**, **Callaghan T**, Macareno B, Akinlotan M, Primm K, and **Bolin JN**. Examination of Healthy People 2020: Comparisons across the Urban-Rural Continuum in Meeting National Mortality Objectives. American Public Health Association Annual Meeting, 2019, Philadelphia, Pennsylvania. November 2-6, 2019.

- (38) **Griffith JM**. "A Picture is Worth a Thousand Words" and a Great Assessment Tool: Using Photo Journals in a Foundational Course. Transformational Teaching and Learning Conference, College Station, Texas. May 2, 2019.
- (39) Haeder S, Sylvester S, and **Callaghan T**. Fifty Shades of Gray: Public Attitudes about Medicaid Beneficiaries and Work Requirements. Association for Public Policy Analysis and Management Annual Meeting, Denver Colorado. November 7-9, 2019.
- (40) Haeder S, Sylvester S and **Callaghan T**. Why Don't You Just Get a Job? Public Attitudes about Medicaid Beneficiaries and Work Requirements. Annual Meeting of the Midwest Political Science Association, Chicago, Illinois. April 4-7, 2019.
- (41) **Hatala J** and Foster MJ. Obesity Prevention Interventions in Texas, 2012-2017: A Scoping Review. Texas Public Health Association Annual Education Conference, San Antonio, Texas. March 18-20, 2019.
- (42) \*Haynes N, Padilla H, DeJoy D, **Smith ML**, Vandenberg R, and Wilson M. Allostatic Load as a Mechanism Explaining the Link between Job Stress and Employee Attitudes and Behaviors. International Conference on Occupational Stress and Health: Work, Stress, and Health Conference, Philadelphia, Pennsylvania. November 6-9, 2019.
- (43) Hill A, Gilreath T, **Perez-Patron M**, Tekwe C, **McKyer L**, and Taylor B. Examining Statistical Methods for Determining Syndemics for Sexually Transmitted Infection Risk. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (44) Horney J, Gearhart S, **Perez-Patron M**, Karaye I and Abuabara A. Impact of Natural Disasters on Suicide Risk in the United States, 1999-2014. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (45) Horney J, Casillas G, Stone K, and **McDonald T**. Assessing Environmental Justice Neighborhood Soils for Contamination After Hurricane Harvey Flooding. Soil Science Society of America International Meeting, San Diego, California. January 6-9, 2019.
- (46) Jagers S, **Callaghan T**, Motta M, Robertson F, Sylvester S, and Lunz-Trujillo K. Are Conditional Cooperation and Personal Cost Factors Significantly Driving People's Willingness to abstain from using Antibiotics? Annual Meeting of the Midwest Political Science Association, Chicago, Illinois. April 4-7, 2019.
- (47) Johnson C, **Sharkey J**, Umstattd Meyer M, Allicock M, Marin M, Gomez L, and Martinez L. Latino Fathers as Catalistas (Agents of Change) for Healthier Families. National Health Outreach Conference, Fort Worth, Texas. May 1-3, 2019.
- (48) Karch A, **Callaghan T**, and Kroeger M. Interest Groups, Polarization, and Intergovernmental Tension in the United States. Annual Meeting of the American Political Science Association, Washington D.C. August 28-September 1, 2019.
- (49) **Kash BA**. Outcomes Research: Highlights, Projects, and a Deep Dive into Hospital Readmissions. Clinical Science & Translational Research Grand Rounds, College Station, Texas. February 5, 2019.
- (50) Kroeger M, **Callaghan T**, and Karch A. Interest Groups, Polarization, and Intergovernmental Tension in the United States. Annual Meeting of the Southern Political Science Association, Austin, Texas. January 17-19, 2019.
- (51) **Kum H-C** and Ragan E. exploring the use of Interactive Interfaces and Feedback Mechanisms to Enhance Privacy in Data Workers through Information Accountability. 2019 Symposium on Usable Privacy and Security, Santa Clara, California. August 11-13, 2019.
- (52) \*Lau C, Garcia-Rhodes D, Pendleton D, Myers A, Secret J, Li Y, Vargas T, Zhang R, Rodrigues-Hoffmann A and **Johnson N**. A Mouse Model of in Utero Ultrafine Particulate Matter Exposure and Infant Respiratory Syncytial Virus Disease. 2019 Transportation, Air Quality, and Health Symposium, Austin, Texas. February 18-20, 2019.
- (53) Lee C, **Ory M**, Zhu X, Li W, Xu M, Kellstedt D, and Berrigan D. Designing and Executing Natural Experiments in Active Living Research. 2019 Active Living Conference, Charleston, South Carolina. February 17-20, 2019.
- (54) Lee C, Xu M, Cherian J, In Koh J, Zhu X, **Ory M** and Hammond T. Promoting and Detecting Active Transportation through Machine Learning Approaches. Annual Conference of the Association of Collegiate Schools of Planning, Greenville, South Carolina. October 24-27, 2019.
- (55) \*Lee S, **Smith ML** and **Ory M**. Effects of Cognitive Decline on Diabetes Self-Management Education and Care. Annual Conference of the Gerontological Society of America, Austin, Texas. November 13-17, 2019.

- (56) Lu Z, Lee H, Zhu X, Xu M, Lee X, **Ory M**, Towne S and Griffin G. A Multi-Method Approach: Using Survey, Online Interactive Map and Environmental Audit to Investigate Physical Environment Influences on Physical Activities. Annual Conference of the Association of Collegiate Schools of Planning, Greenville, South Carolina. October 24-27, 2019.
- (57) Lunz-Trujillo K, Motta M, **Callaghan T**, and Sylvester S. Identifying Strategies to Correct Misinformation about the MMR Vaccine. Annual Meeting of the American Political Science Association, Washington D.C. August 28-September 1, 2019.
- (58) Lunz-Trujillo K, Motta M, **Callaghan T**, and Sylvester S. Correcting Misinformed Vaccine Policy Attitudes: Using Psychological Risk Factors for Effective Communication. Annual Meeting of the Midwest Political Science Association, Chicago, Illinois. April 4-7, 2019.
- (59) \*Macareno B, **Callaghan T**, Primm K, Akinlotan M, **Ferdinand A**, and **Bolin JN**. Examination of Healthy People 2020: Comparisons across the Urban-Rural Continuum. National Rural Health Association Annual Conference, Atlanta, Georgia. May 19-22, 2019.
- (60) McCord C, Johnson T, Seaton M, Coop L and **Maddock J**. Understanding the Impact of Mental Illness of Family and Community and the Role of Non-Mental Health Professionals in Addressing this Emerging Issue. National Health Outreach Conference, Fort Worth, Texas. May 1-3, 2019.
- (61) **McKyer L**. Public Health Disparities and Inequities: Implications for Medical Students Training. Texas A&M College of Medicine and Affiliate DIO Meeting, Georgetown, Texas. September 12, 2019.
- (62) Mendez S, **Clark H**, and **Burdine J**. Forming a Community-Based Coalition to Create a Healthier Community. Texas Public Health Association Annual Conference 2019, San Antonio, Texas. March 18-20, 2019.
- (63) **Mendoza I**, Fairchild A, Danko R, and **Carrino G**. Team Teaching in the Core Curriculum of Public Health. 2019 Transformational Teaching and Learning Conference, College Station, Texas. May 1-2, 2019.
- (64) Menser T, Muniz Castro J, Jones S, **Kash BA**, Sherman V, and Tariq N. Post Bariatric Surgery Lab Tests- are they Excessive and Redundant? SAGES Annual Meeting, Baltimore, Maryland. April 3-6, 2019.
- (65) **Mier N**. Applying the Project-Based Learning Approach in a Capstone Course: Lessons Learned. Transformational Teaching & Learning Conference, College Station, Texas. May 1, 2019.
- (66) Mingo C, Washington T, Castor N, Armah H, Lee L, Herrera-Venson A, Cameron K, Kulinski K, and **Smith ML**. Recruiting and Retaining African American Participants in Self-Management Workshops Delivered in Faith-Based Organizations. National Council on Aging Age+Action Conference, Washington DC. June 17-20, 2019.
- (67) Mingo C, Washington T, and **Smith ML**. Chronic Disease Self-Management Program Attendance among African Americans with Arthritis and Comorbidities. Gerontological Society of America Annual Meeting, Austin, Texas. November 13-17, 2019.
- (68) Nawaiseh H, McIntosh W, and **McKyer L**. Effectiveness of m-Health Application for Improving Healthy Lifestyles in Healthy College Students: A Randomized Controlled Trial. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (69) Newman G, **Sansom G**, and Rusyn I. Resilience through Regeneration: Enhancing Resiliency with Engagement-Based Green Infrastructure Provisions. Resilience Rising Research Symposium, Texas A&M University, College Station, Texas. September 5-6, 2019.
- (70) **Ory M**. Pragmatic Trials for Promoting Healthy Aging: The Challenges and Benefits. University of Maryland Biology and Behavior Across the Lifespan Monthly Seminar Series, Baltimore, Maryland. November 2019.
- (71) **Ory M**. Conducting Translational Research: Pragmatic Approaches. Tulane University Translational Science Grounds Rounds, New Orleans, Louisiana. December 2019.
- (72) **Ory M**. Texas Cares. Texas Alzheimer's Research and Care Consortium Scientific Symposium, Austin Texas. January 31, 2019.
- (73) **Ory M**. New Models in Training Health Providers to Address the Opioid Epidemic. 2019 Chautauqua Conference on Family Resilience and Recovery: Opioids and Other Addictions, Tulsa Oklahoma. February 22, 2019.



- (74) Outley C, **Clark H**, Sibley-Horton K and Mayo-Jacks A. Shifting Locations of Power: Youth Voice, Leadership, and Skill Building in CBPR Projects. 2019 American Evaluation Association Annual Conference, Minneapolis, Minnesota. November 11 – 16, 2019.
- (75) Padilla H, Zuercher H, **Smith ML**, DeJoy D, and Wilson M. Translating the Chronic Disease Self-Management Program to Worksites: Understanding the Bidirectional Relationship between Work and Chronic Disease. Society for Public Health Education Annual Conference, Salt Lake City, Utah. March 27-29, 2019.
- (76) Page R, Burdette A, Carpenter P, Mendoza M, Trzeciakowski J, and **Han G**. Religiosity/Spirituality as a Biobehavioral Protective Factor during Pregnancy for Mexican-Origin Women. Southern Nursing Research Society Annual Conference, Orlando, Florida. February 27 - March 1, 2019.
- (77) Pavao C, Lincoln Y, McLeroy K, Wright E, and **Burdine J**. Ecological Analysis of Bisexual Identity and Health Access: An Interpretive Critical Inquiry. Fifteenth International Congress of Qualitative Inquiry, Champaign, Illinois. May 15-18, 2019.
- (78) **Peres SC**. Improving the Design of Procedures. 2019 International Process Safety Group, Houston, Texas. April 2019.
- (79) **Peres SC**, Mehta RK, Murphy R, Nuamah J, and Zhu Y. Human-Robotic Interactions (HRI) during Natural Disasters: Operator States Assessments and Improvements for Effective HRI. American Institute of Chemical Engineers, 2019 Spring Meeting and 15th Global Congress on Process Safety, New Orleans, Louisiana. March 31-April 3, 2019.
- (80) **Peres S**. Disaster Ergonomics: Investigating Human Robotic Interaction, UAVs, and Teams Interactions Associated with Disaster Response. Arizona State University Center for Human, AI, and Robot Teaming (CHART) Seminar, Tempe, Arizona. January 29, 2019.
- (81) **Perez-Patron M**, Roque M, Conner L, Pena C and **Carrillo G**. A Community-Based Approach to Identifying Educational Needs for Hispanic Women at Risk of Gestational Diabetes in the Texas-Mexico Border. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (82) **Pickens A**. The Importance of Professional Communication Mentoring in Project-Based Course Components. Transformational Teaching and Learning Conference, College Station Texas. May 1-2, 2019.
- (83) \*Primm K, **Callaghan T**, Akinlotan M, **Bolin JN** and **Ferdinand AO** Urban-Rural Variation in Cancer Mortality in the United States, 1999-2017. Annual Meeting of the American Public Health Association, Philadelphia, Pennsylvania. November 2-6, 2019.
- (84) Quinn C, **Ory M** and **Smith M**. Chronic Disease and Collaborative. Healthier Texas Summit, Austin, Texas. October 17-18, 2019.
- (85) Quinn C, **Smith ML**, Riley H and **Ory M**. Aging Texas Well-Perspectives on Healthy Aging Strategies. Healthier Texas Summit, Austin, Texas. October 17-18, 2019.
- (86) Quinn C, Wilson A and **Smith ML**. From Research to Practice to People: Building Better Bridges for Healthy Aging. National Council on Aging Age+Action Conference, Washington DC. June 17-20, 2019.
- (87) **Radcliff TA**, Chu K, der-Martirosian C and Dobalian A. Ambulatory Care Recovery at the US Department of Veterans Affairs – Repeated Events Analysis After Hurricanes Ike and Harvey. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (88) **Regan AK**. A Multi-Country Cohort Study Investigating Adverse Birth Outcomes among Women Hospitalized with Acute Respiratory Infection during Pregnancy. 5th International Neonatal & Maternal Immunization Symposium, Vancouver, Canada. September 15, 2019.
- (89) **Regan AK**. Good Epi, Bad Epi: Is Short Birth Spacing really that Bad? Society for Epidemiologic Research 52nd Annual Meeting, Minneapolis, Minnesota. June 19, 2019.
- (90) Reisenbichler ES, **Han G**, Pelekanou V, Yaghoobi V, Ahmed F, Bellizzi A, Bossuyt V, Brock J, Cole K, Fadare O, Hameed O, Hanley K, Harrison B, Kuba M, Ly A, Miller D, Podoll M, Roden A, Sanders A, Singh K, Weil S, Wen H, Pusztail L and Rimm D. Prospective Multi-Institutional Evaluation of Pathologist Assessment of PD-L1 Assays in Triple Negative Breast Cancer. 2019 San Antonio Breast Cancer Symposium, San Antonio, Texas. December 10-14, 2019.

- (91) **Sansom G.** Utilizing Community Engagement to Improve Public Health. Nordic Geographers Meeting – Health and Sustainability, Trondheim, Norway. June 16-19, 2019.
- (92) Sarnosky K, **Cizmas L** and **Benden M.** Indoor Air Quality Impact on Ergonomics & Productivity in the Remote Work Force. 2019 Applied Ergonomics Conference, New Orleans, Louisiana. March 25-28 2019.
- (93) **Schmit C.** Patchwork Privacy: How US Laws Put the Brakes on Data Science. Texas A&M Workshop on Operational Data Science, College Station, Texas. February 11, 2019.
- (94) **Schmit C.** Information Sharing 101 - Protecting Public Health Data. National Governors' Association. December 12, 2019.
- (95) **Schmit C.** Ethical Considerations in Data Sharing. 2019 Public Health Law Summit, Plymouth, Michigan. October 3 – 4, 2019.
- (96) **Schmit C.** Patchwork Protections: Effect of Inconsistent Federal Data Protections on Cross-Sector Public Health Initiatives. Tackling Tough Public Health Problems through Cross-Sector Data Collaborations, a Network for Public Health Law Webinar. February 28, 2019.
- (97) Sentell T, Agner J, Irvin L, Starr R, Pirkle C, **Maddock J** and Buchthal O. Building a Culture of Health: Insights from 18 Years of a Multisector, Theory-Based, Statewide Program to Prevent Chronic Disease in Hawaii. 23rd World Conference on Health Promotion, Rotorua, New Zealand. April 7-11, 2019.
- (98) **Sharkey J.** Promotora-Led Charlas to Provide Spanish-Language Outreach for Healthy Families in Texas Border Colonias. National Health Outreach Conference, Fort Worth, Texas. May 1-3, 2019.
- (99) **Sharkey J** and Smith A. Empowering Rural Communities and Families through Cooking with the Seasons for Health (CwS4H): Experiential Nutrition Education and Skill Building. National Health Outreach Conference, Fort Worth, Texas. May 1-3, 2019.
- (100) **Sharma VK.** Current Status of Ferrate Treatment in Water and Wastewater. Department of Environmental Science, Peking University, Beijing, China. November 29, 2019.
- (101) **Sharma VK.** High-Valent Species (Ferrates) in Oxidation of Micropollutants in Water and Hydrolyzed Urine. Shaanxi University of Science and Technology, Xian, China. November 28, 2019.
- (102) **Sharma VK.** Natural Nanoparticles: Mechanism of Formation, Stability, and Toxicity in Aquatic Environment. Faculty of Environmental Science and Engineering, Kunming University for Science and Technology, Kunming, China. November 27, 2019.
- (103) **Sharma VK.** Ferrate Technology: Current Status to Oxidize Pollutants in Water. Department of Environmental Engineering, Chulalongkorn University, Bangkok, Thailand. October 2, 2019.
- (104) **Sharma VK.** High-Valent Iron Species (Ferrates) in Environmental Remediation. Department of Biological and Environmental Chemistry, Faculty of Humanity-Oriented Science and Engineering, Kindai University, Fukuoka, Japan. September 30, 2019.
- (105) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. College of Environmental Science, Zhejiang University of Technology, Hangzhou, China. September 27, 2019.
- (106) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. 2019 International Symposium of Environmental Science and Technology, Hangzhou, China. September 26, 2019.
- (107) **Sharma VK.** Ferrate Technology: Current Status to Oxidize Pollutants in Water. College of Environmental Science, Jiayang University, Jiayang University, China. September 25, 2019.
- (108) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. College of Environmental Science, Shanghai University of Technology, Shanghai, China. September 24, 2019.
- (109) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. College of Environmental Science, Xiamen University, Xiamen, China. September 23, 2019.
- (110) **Sharma VK.** Current Status of Ferrate Technology in Oxidizing Micropollutants and Natural Nanoparticles in Environment. Dalian University of Technology, Dalian, China. September 4, 2019.

- (111) **Sharma VK.** Conducting Scientific Research and Publishing Research. North Electric Power University, Jilin City, China. July 26, 2019.
- (112) **Sharma VK.** Activated Ferrate to Rapidly Oxidize Organic Pollutants in Water. North Electric Power University, Jilin City, China. July 26, 2019.
- (113) **Sharma VK.** High-Valent Iron Species (Ferrates): Energy and Environmental Applications. Chemistry Department, Inner Mongolia University, Hohhot, China. July 23, 2019.
- (114) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. College of Environmental Science and Sustainable Resources, Nanjing Agricultural University, Nanjing, China. July 19, 2019.
- (115) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. Department of Environmental Engineering, Nankai University, Tianjin, China. July 18, 2019.
- (116) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. Department of Environmental Engineering, Sichuan University, Chengdu, China. July 12, 2019.
- (117) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. Department of Environmental Engineering, Polytechnic University, of Technology, Hong Kong, China. July 11, 2019.
- (118) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. Department of Environmental Engineering, Southern University of Science and Technology, Shenzhen, China. July 9, 2019.
- (119) **Sharma VK.** Natural Noble Metal Nanoparticles: Formation, Stabilization, and Toxicity in Aquatic Environment. Institute of Geochemistry, Chinese Academy of Science, Guiyang, China. July 4, 2019.
- (120) **Sharma VK.** Role of Natural Organic Matter in Formation of Disinfection Byproducts and Natural Nanoparticles. NOM and Environment, Kunming, China. June 29, 2019.
- (121) **Sharma VK.** Advances in Ferrate Technology: Elucidating Role of Activated Ferrate to Remove Organic Pollutants Rapidly. Université Paris-Est Marne la Vallée, Institut Francilien des Sciences Appliquées, Paris, France. May 22, 2019.
- (122) **Sharma VK.** High-Valent Iron Species in Super Iron, Organic Synthesis, and Purification of Water. Center of Scientific Research, Athens, Greece. May 10, 2019.
- (123) **Sharma VK.** Ferrates in Purification of Water and Wastewater. College of Urban and Environmental Sciences, Peking University, Beijing, China. April 29, 2019.
- (124) **Sharma VK.** Activated Ferrate: Accelerated Oxidation of Organic Pollutants in Water. International Symposium of Nanoscience and Nanotechnology, Xian, China. April 27, 2019.
- (125) **Sharma VK.** Ferrate Treatment Technology: Oxidation and Coagulation of Pollutants and Inactivation of Microorganisms. Chemistry Department, Kunming University for Science and Technology, Kunming, China. April 26, 2019.
- (126) **Sharma VK.** Activated Ferrate to Rapidly Oxidize Organic Pollutants in Water. Dalian University of Science and Technology, Dalian, China. April 24, 2019.
- (127) **Sharma VK.** Natural Nanoparticles: Mechanism of Formation and Toxicity in Aquatic Environment. Guangdong Institute of Soil Science, Guangzhou, China. March 16, 2019.
- (128) **Sharma VK.** Activated Ferrate: Accelerated Oxidation of Organic Pollutants in Water. Guangdong University of Technology, Guangzhou, China. March 15, 2019.
- (129) **Sharma VK.** Activated Ferrate (VI): Involvement of FeV and FeIV in Rapid Oxidation of Organic Pollutants in Water. Sun-Yat Sun University, Guangzhou, China. March 15, 2019.
- (130) **Sharma VK.** Natural Noble Metal Nanoparticles: Formation, Stabilization, and Toxicity in Aquatic Environment. Guangdong Institute of Soil Science, Guangzhou, China. March 14, 2019.

- (131) **Sharma VK.** Ferrates in Purification of Water and Wastewater. Fuzhou Normal University, Fuzhou, China. March 13, 2019.
- (132) **Sharma VK.** High-Valent Iron Species in Super Iron, Organic Synthesis, and Purification of Water. Fuzhou University, Fuzhou, China. March 13, 2019.
- (133) **Sharma VK.** Ferrates: Green Materials in Energy Storage, Organic Synthesis, and Purification of Water. Urban Environmental Institute, Chinese Academy of Science, Xiamen, China. March 12, 2019.
- (134) **Sharma VK.** Ferrate Treatment Technology: Oxidation and Coagulation of Pollutants and Inactivation of Microorganisms. Department of Chemistry, Texas A&M University-Corpus Christi, Corpus Christi, Texas. March 4, 2019.
- (135) **Sharma VK.** Ferrates: Green Materials in Energy Storage, Organic Synthesis, and Purification of Water. Department of Chemistry, Texas A&M University-Kingsville, Kingsville, Texas. March 4, 2019.
- (136) **Sharma VK.** High-Valent Iron Species in Supper Iron, Organic Synthesis, and Purification of Water. Department of Chemistry, University of Texas-Rio Grande Valley, Edinburg, Texas. March 5, 2019.
- (137) **Smith ML,** Vieira E, Boolani A, Herrera-Venson A, Skowronski S, and Cameron K. Falls in the United States: Magnitude, Risk, Disparities, and Solutions. World Congress on Falls and Postural Stability, Kuala Lumpur, Malaysia. December 4-7, 2019.
- (138) Soliman BG, Tariq N, Mija D, Nwana N, Bosetti R, **Kash BA,** Moore LW, Gaber AO, and Sherman V. Effectiveness of Bariatric Surgery in End-Stage Renal Disease Requiring Dialysis to Increase Renal Transplant Eligibility. Obesity Week 2019, Las Vegas, Nevada. November 4-9, 2019.
- (139) Stevens A, Cho J, Birchfield T, Sanghi S, Vernon A and **Ory M.** GamePlan4Care: An Online Translation of REACH II Refined through Early Stakeholder Usability Testing. Annual Conference of the Gerontological Society of America, Austin, Texas. November 13-17, 2019.
- (140) **Taylor N.** Metabolomics of Melanoma and Extratumoral Microenvironment. GEM Annual Genes, Environment, and Melanoma Consortium Conference, Biella, Italy. October 2019.
- (141) Towne S, **Ory M,** Zhu X, Xu M, Li Y, Lu Z, Lee S, and Lee C. Estimated Medical Cost Savings Associated with Changes in Physical Activity After Moving to an Activity-Friendly Community: The Role of the Built Environment on Population Health. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (142) **Ukert B,** DeVries A, Frean M, and Fang H. Characterizing Enrollee Turnover and Relations to Benefit Design. 8th Conference of the American Society of Health Economists, Washington, D.C. June 23-26, 2019.
- (143) **Ukert B,** Pickett S, and DeVries A. Compositional Changes in Workforce Health Status: Evidence from the Great Recession. 8th Conference of the American Society of Health Economists, Washington, D.C. June 23-26, 2019.
- (144) Umstattd Meyer M, Prochnow T, Ylitalo K, Delgado H, and **Sharkey J.** Beyond Walking: Conceptualizing and Assessing Streets as Physical Activity Resources for Children and Families Residing in Low-Resource, Rural Communities Along the U.S.-Mexico Border. International Society of Behavioral Nutrition and Physical Activity, Prague, Czech Republic. June 4-7, 2109.
- (145) **Washburn D,** Orozco E, Torres de la Rosa C, Elizondo E, Hernandez OJ, Beyer R and Fairchild A. Taxing Sugary Drinks in Mexico: An Analysis of Science, Politics, and Policy. Interdisciplinary Association for Population Health Science Annual Meeting, Seattle, Washington. October 1-4, 2019.
- (146) Wilson M, DeJoy D, Padilla H, Vandenberg R, Haynes N, Zuercher H, Corso P, Lorig K, and **Smith ML.** Translating CDSMP for use in the Workplace: Results of the Live Healthy, Work Healthy Trial. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (147) Woodruff S, Portney K, Hannibal B, **Sansom G** and Feiock R. Resilience Policies and Programs in 101 U.S. Cities. Resilience Rising Research Symposium, Texas A&M University, College Station, Texas. September 5-6, 2019.
- (148) Xu M, Zhu M, Lee C, Losey C, and **Ory M.** Designing Walkable Neighborhoods: Relative Market Demand. Annual Conference of the Association of Collegiate Schools of Planning, Greenville, South Carolina. October 24-27, 2019.
- (149) **Xu X.** Air Pollution and Adverse Pregnancy Outcomes. Toxicology Seminar at the Texas A&M University Interdisciplinary Faculty of Toxicology, College Station, Texas. April 17, 2019.

(150) **Zhao H.** Analysis of Health Costs with Censored Data. School of Public Health, Fujian Medical University, Fuzhou, China. May 2019.

(151) **Zhao H.** Causal Inference for Observational Data | A Review of Basic Theory and some Newer Development. Lecture of Statistics, Renmin University of China, Beijing, China. June 2019.

(152) **Zhao H.** Regression Analysis of Mean Quality-Adjusted Lifetime with Censored Data. 2019 International Symposium on Nasopharyngeal Carcinoma. Fujian Medical University, Fuzhou, China. June 2019.

(153) Zhong L, **Smith ML**, Lyu N, Davlasheridze M, Alonzo J, and **Ory M.** Opioid Misuse-Related Health Care Resource Utilization and Costs in Texas. Academy of Managed Care Pharmacy Annual Conference, San Diego, California. March 25-28, 2019.

(154) Zhu X, Xu M, Lee C, and **Ory M.** Does Walkability Compromise Or Improve Livability? Evidence from Relocation to a Walkable Community? Annual Conference of the Association of Collegiate Schools of Planning, Greenville, South Carolina. October 24-27, 2019.



## Posters

\*indicates student-engaged research

(1) \*Akinlotan M and **Ferdinand A.** Hospitalization for Non-Traumatic Oral Health Conditions: An Analysis of the National Inpatient Sample. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.

(2) \*Akinlotan M, Primm K, **Ferdinand A, Callaghan T,** and **Bolin J.** Demographic and Clinical Predictors of Late-Stage Breast Cancer. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.

(3) Aly N, Luo Y, Liu Y, Casillas G, **McDonald T,** Kaihatu J, Jun M, Ellis N, Gossett S, Dodds J, Baker E, Chiu W, and Rusyn I. Temporal and Spatial Analysis of Poly/Perfluoroalkyl Substances in Houston Ship Channel Following Firefighting Foam Deployment at the Intercontinental Terminal Company Fire. NIEHS Superfund Research Program Annual Meeting, Seattle, Washington. November 18-20, 2019.

(4) Bennion N, Anderson Spruance L and **Maddock J.** Physical Activity, Snacks and Beverages in the Youth Sports Environment. American Academy of Health Behavior, Greenville, South Carolina. March 10-13, 2019.

(5) \***Bolin J,** Primm K, Akinlotan M, Macareno B, **Callaghan T** and **Ferdinand A.** Rural, Regional and Racial Disparities in Rates of Lower Extremity Amputations Associated with Diabetes: A National Study. National Rural Health Association Annual Conference, Atlanta Georgia. May 19-22, 2019.

(6) \***Bolin J,** Primm K, Akinlotan M, Macareno B, **Callaghan T** and **Ferdinand A.** Rural, Regional and Racial Disparities in Rates of Lower Extremity Amputations Associated with Diabetes: A National Study. AcademyHealth Annual Research Meeting, Washington D.C. June 2-4, 2019.

(7) Boolani A, Yager C, **Smith ML,** Monday S, Sathiyakumar T, Senarathna D, Teymouri S, Vogel-Rosbrook C, Alvarez J, Taladay P, and Martin R. State Mental Energy Influences Posture during Vision-Occluded States. World Congress on Falls and Postural Stability, Kuala Lumpur, Malaysia. December 4-7, 2019.

(8) Bosetti R, Naufal G, Tabatabai L, Brito R, and **Kash BA.** A New Model of Integrated Care for Complex Type 2 Diabetes in Underserved Populations: A Study Protocol for a Cost-Effectiveness Analysis. 2019 International Society for Pharmacoeconomics and Outcomes Research Conference, New Orleans, May 18-22, 2019.

(9) Bozlak C, Beck-Sague C, Davis R, DeLong R, **Perez-Patron MJ,** and Taylor BD. Developing a Maternal and Child Health Training Program: Lessons Learned from Five Schools of Public Health. Association of Maternal and Child Health Programs Annual Conference, San Antonio, Texas. March 9-12, 2019.

(10) Bridges C, Ylitalo K, **Sharkey J,** and Umstadd Meyer M. How do Depressive Symptoms Relate with Physical Activity and Screen Time Behaviors from summer to fall in Mexican-Heritage Children? 18th Annual Meeting of the American Academy of Health Behavior. Greenville, South Carolina. March 10-13, 2019.

(11) Briggs A, Marian M, **Ohsfeldt RL,** and Dick K. Estimating Quality-Adjusted Life Years (QALYs) through Quality-Adjusted Time without Symptoms or Toxicity (QWIST) in RCTs: An Alternative to Economic Modelling. International Society for Pharmacoeconomics and Outcomes Research, New Orleans, Louisiana. May 18-22, 2019.

(12) **Callaghan T,** Haeder S, and Sylvester S. Why Don't You Just Get a Job? Public Attitudes about Medicaid Beneficiaries and Work Requirements. AcademyHealth Annual Research Meeting, Washington D.C. June 2-4, 2019.

(13) \***Callaghan T,** Macareno B, **Bolin J, Ferdinand A,** Primm K and Akinlotan M. Examination of Healthy People 2020: Comparisons across the Urban-Rural Continuum in Meeting National Mortality Objectives. AcademyHealth Annual Research Meeting, Washington D.C. June 2-4, 2019.

(14) Cheon O, **Ferdinand A,** Cruz-Rojas R, Padron N, and **Kash BA.** Avoidable Admissions: The Role of Non-Urgent Emergency Department Visits and the Types of Patients that initiate them. 2019 Annual Research Meeting of AcademyHealth, Washington, D.C. June 2-4, 2019.

(15) **Clendenin A.** Service Learning through Community Engagement. Association of Schools and Programs of Public Health Annual Conference, Arlington, Virginia. March 20-22, 2019.

(16) **Colwell B,** Sinai C, and Chakraborty P. Geographic and Ethnic Differences in Tobacco use in the Democratic Republic of the Congo. 2019 Society for Research in Nicotine & Tobacco Annual Meeting, San Francisco, California. February 20-23, 2019.

(17) **DuPont-Reyes MJ,** Villatoro AP, Phelan JC, Painter K, and Link BG. Transcultural Perspectives of Mental Illness Stigma Across Race, Ethnicity, and Gender among Adolescents in Texas. Society of Adolescent Health and Medicine Annual Conference, Washington D.C. March 6-9, 2019.

(18) Eagle L, Lachenmayr S, and **Smith ML.** Strategies to Reduce Social Isolation in Community-Dwelling Older Adults. National Council on Aging Age+Action Conference, Washington, DC. June 17-20, 2019.

(19) Eagle L, Lachenmayr S, and **Smith ML.** Stepping Up Your Nutrition: Building Awareness and Action to Reduce Fall Risk. National Council on Aging Age+Action Conference, Washington, DC. June 17-20, 2019.



- (20) \*El Ibrahim S, Virgen E, Balcha E, Beckford N, Lanham D, Sherman L, and **Smith ML**. Suicide Disparities among School-Aged Minority Children and Young Adults in the United States, 2008-2017. Spring 2019 Undergraduate Research Conference, Las Vegas, Nevada. April 26, 2019.
- (21) \*El Ibrahim S, Virgen E, Balcha E, Beckford N, Lanham D, Sherman L, and **Smith ML**. Suicide Disparities among School-Aged Minority Children and Young Adults in the United States, 2008-2017. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (22) \*El Ibrahim S, Xiao Y, Virgen E, Beckford N, and **Smith ML**. Suicide Trends and Disparities among Older Adults in the United States, 2008-2017. Gerontological Society of America Annual Meeting, Austin, Texas. November 13-17, 2019.
- (23) **Ferdinand A**. The Impact of Good Samaritan and Naloxone Access Laws on Opioid-Related Emergency Department Visits. AcademyHealth Annual Research Meeting. Washington, D.C. June 2-4, 2019.
- (24) **Ferdinand A**. Opioid overdose-related Emergency Department Visits: The Role of Good Samaritan and Naloxone Access Laws. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (25) \***Ferdinand A**, Akinlotan M, **Callaghan T**, Towne S and **Bolin J**. Diabetes-Related Emergency Department Visits Resulting in Hospitalization: An Urban-Rural Analysis. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (26) **Ferdinand A**, Akinlotan M, **Callaghan T**, Towne SD, and **Bolin J**. Diabetes-Related Emergency Department Visits Resulting in Hospitalization: An Urban-Rural Analysis. National Rural Health Association Annual Conference, Atlanta Georgia. May 19-22, 2019.
- (27) \***Ferdinand A**, Cheon O, Cruz-Rojas R, Padron N, and **Kash BA**. Avoidable Admissions: The Role of Non-Urgent Emergency Department Visits and the Types of Patients that initiate them. AcademyHealth Annual Research Meeting. Washington, D.C. June 2-4, 2019.
- (28) \***Ferdinand A**, Akinlotan M, **Callaghan T**, Towne S and **Bolin J**. Factors Affecting the Likelihood of a Hospitalization Following a Diabetes-Related Emergency Department Visit: A Regional and Urban-Rural Analysis. AcademyHealth Annual Research Meeting, Washington D.C. June 2-4, 2019.
- (29) **Fischer RSB**, Gorchakov, R. and Murray KO. Mesoamerican Nephropathy is Not Explained by Acute Infection. Consortium for the Epidemic of Nephropathy in Central America and Mexico. Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, Costa Rica. March 20–22, 2019.
- (30) **Fischer RSB**, Sanderson, W., Fire A, Mandayam S, and Murray KO. Steps toward Solving a Decades-Long Medical Mystery: In Search of the Etiology of Mesoamerican Nephropathy. Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, Costa Rica. March 20–22, 2019.
- (31) **Fischer RSB**, Sanderson, W., Mandayam S, and Murray KO. Nickel Exposure among Agricultural Workers is a Likely Cause of the Mesoamerican Nephropathy Epidemic. Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, Costa Rica. March 20–22, 2019.
- (32) \***Fischer RSB**, Mannathoko N, Essigmann HT, Alonge OD, and Brown EL. Borderline Methicillin-Resistant Staphylococcus Aureus, an Underappreciated and Emerging Public Health Threat. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland. November 20-24, 2019.
- (33) **Fischer RSB**, Sanderson W, Costa M, and Murray KO. Investigating Exposure to Heavy Metals as a Potential Etiology of Mesoamerican Nephropathy, an Unexplained Epidemic Kidney Disease in Latin America. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland. November 20-24, 2019.
- (34) Gary JC, Downing NR, Weston C, Pittman A, Pulliman C, Beard R, Ontai SC, McCord C, Kohleffel L, **Ferdinand A**, Thompson EM, and **Bolin J**. An Interprofessional/Interdisciplinary Response to the Opioid Crisis in Rural Texas Communities. 5th Annual Interprofessional Education & Research Symposium, College Station, Texas. October 23, 2019.
- (35) \*Giannouchos T, **Kum H-C**, **Ohsfeldt RL** and **Morrisey M**. Longitudinal Analysis of the Impact of Medicaid Expansion on Non-Emergent Emergency Department (ED) use among Uninsured Frequent ED Users in New York. AcademyHealth Annual Research Meeting, Washington D.C. June 2-4, 2019.
- (36) Giannouchos T and **Ohsfeldt RL**. Cost-Effectiveness Analysis of Erenumab versus Topiramate for Patients with Chronic Migraines to Identify the Cost-Effective Price Threshold in Greece. International Society for Pharmacoeconomics and Outcomes Research, New Orleans, Louisiana. May 18-22, 2019.
- (37) Gray-Miceli D, Ratcliffe S, **Smith ML**, and Rogowski J. Achieving the Triple Aim through a Falls Prevention Innovation in Long-Term Care. Gerontological Society of America Annual Meeting, Austin, Texas. November 13-17, 2019.
- (38) \*Gunter SM, Lino A, McNulty A, **Fischer RSB**, Erickson T, Ronca S, Carisey A and Murray KO. Investigating the Risk of Spotted Fever Group Rickettsiosis in Texas Hunters. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland. November 20-24, 2019.

- 39) \*Gwarzo I, **Maddock J, Washburn D**, Tale A, Matawalle F, and Kellstedt DA, P. Vehicle Ownership and Road Accidents in Cambodia: A Longitudinal Study. American Public Health Association Annual Conference, Philadelphia, Pennsylvania. November 2-6, 2019.
- (40) Hutchison R, **Lin S**, and Tian Y. The Relationship between Amitriptyline Prescribing and Change in Body Weight in a Free Clinic. 2019 Transformational Teaching and Learning Conference, College Station, Texas. May 1-2, 2019.
- (41) Johnson C, **Sharkey J**, Umstatted Meyer M, Allicock M, Marin M, Gomez L, Martinez L, Beltran E, and Garza M. Integrating Motivational Dynamics, Family Systems and Public Health Theory to Create a Father-Focused Obesity Prevention Program for Mexican-Heritage Families. International Society of Behavioral Nutrition and Physical Activity, Prague, Czech Republic. June 4-7, 2109.
- (42) \***Johnson N**, Lam J, Uwak I, **Xu X**, Taylor B, Foster M, Moriarty M, Taiwo S, Fuentes A, Olsen N and Chiu W. Application of the Navigation Guide Systematic Review Methodology and Meta-Analysis to Evaluate the Association between Prenatal Particulate Matter Air Pollution Exposure and Birth Weight. International Society for Environmental Epidemiology 2019, Utrecht, The Netherlands. August 25-28, 2019.
- (43) \***Johnson N**, Lau C, Li Y, Zhang R and Rodrigues-Hoffmann A. A Mouse Model of in Utero Ultrafine Particulate Matter Exposure and Infant Respiratory Syncytial Virus Disease. 2019 Cellular and Molecular Mechanisms of Toxicity Gordon Research Conference, Andover, New Hampshire. August 11 - 16, 2019.
- (44) Jones S, Cheon O, Nguyen D, Graviss E, Manzano J, Baek J, **Kash BA**, and Phillips R. Comparing the Performance of Two Leading Hospital Readmission Risk Predictive Models: LACE Versus Hospital. 2019 Annual Research Meeting of AcademyHealth, Washington, D.C. June 2-4, 2019.
- (45) Kellstedt D, **Spengler J**, Bradley K, Steedly R, and **Maddock J**. Faculty and Staff Perspectives on a Dockless Bike-Share Program on a Large College Campus. Active Living Conference, Charleston, South Carolina. February 17-20, 2019.
- (46) Kellstedt D, **Spengler J**, Bradley K, Steedly R, and **Maddock J**. Analysis of Dockless Bike-Share use on a Large College Campus. Active Living Conference, Charleston, South Carolina. February 17-20, 2019.
- (47) \***Kum H-C**, Ragan E, Giannouchos T, **Schmit C**, Ilangovan G, and Li Q. Enhancing Privacy in Record Linkage Studies by Meeting the Minimum Necessary Standard. AcademyHealth Annual Research Meeting, Washington D.C. June 2-4, 2019.
- (48) \*Lee S, **Smith ML**, Dahlke D, Pardo N, and **Ory M**. Differential Effects of Pain Relief and Patients' Attitudes on Patients' Satisfaction. 2019 Annual Meeting of the American Academy of Health Behavior, Greenville, South Carolina. March 10 - 13, 2019.
- (49) \*Lee S, **Smith ML**, Vollmer DV, Pardo N, and **Ory M**. Pain Characteristics and Pain Management Experiences: How they differ between Younger and Older Adults. Annual Conference of the American Public Health Association, Philadelphia, Pennsylvania. November 2-6, 2019.
- (50) Lee S, Wang W, **Washburn D**, and **Maddock J**. Perceptions of Informal Payments to Doctors among Patients, Doctors, and Nurses in China. American Academy of Health Behavior, Greenville, South Carolina. March 10-13, 2019.
- (51) **Lin S**, Hutchison R, and Tian Y. The Relationship between Amitriptyline Prescribing and Change in Body Weight in a Free Clinic. 2019 Texas Public Health Association Annual Education Conference, San Antonio, Texas. March 18-20, 2019.
- (52) Lu Z, Lee H, Zhu X, Lee C, **Ory M**, Xu M, and Towne S. Integrating an Online Interactive Map (Wikimapping) into Multi-Methods to Measure Built Environment Factors Influencing Physical Activities. 2019 Active Living Conference, Charleston, South Carolina. February 17-20, 2019.
- (53) **Ma P**, Thomas M, Abbe M, and Mckenzie L. Children with Severe Medical Complexity: Caregiver Perceptions and Decision-Making Process on Transportation Safety. American Academy Health Behavior Conference, Greenville, South Carolina. March 10-13, 2019.
- (54) McClendon M, Umstatted Meyer M, Meyer A, Ylitalo K, and **Sharkey J**. Fathers' Perceptions of their Roles and Child's Physical Activity. 18th Annual Meeting of the American Academy of Health Behavior. Greenville, South Carolina. March 10-13, 2019.
- (55) **Mendoza-Sanchez I** and Perez-Valdespino A. Antibiotic-Resistance Genes in Soils from Parks Impacted by Hurricane Harvey. One Health Conference, Houston, Texas. September 6-7, 2019.
- (56) **Mendoza-Sanchez I** and Perez-Valdespino A. Occurrence of Antibiotic-Resistance Genes in Public Areas Impacted by Hurricane Harvey. Association of Environmental Engineering and Science Professors, Tempe, Arizona. May 14-16 2019.
- (57) \*Menser T, Baek J, Nicolas C, Jones S and **Kash BA**. Leveraging Data to Understand Readmissions in the Texas Medical Center. Healthier Texas Summit 2019, Austin, Texas. October 17-18, 2019.
- (58) \*Menser T, Baek J, Nicolas C, Jones S and **Kash BA**. Use of Patient Portal during Hurricane Harvey in 2017: A Qualitative Study. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (59) **Mier N**. Teaching Public Health Undergraduate Students about Migration: Lessons Learned. UTMB 3rd Annual Conference on Migration and Health, Galveston, Texas. December 10, 2019.

- (60) \*Mustapha T, Chang C, Pendleton D, Garcia-Rhodes D, Secrest J, Li Y, Lee H, Brar A, Lau C, Rodrigues-Hoffmann A, Zhang R, Golding M and **Johnson N**. Offspring Growth Inhibition in a Multiplex Model of Paternal Alcohol and Maternal Air Pollution Exposure. 2019 Society of Toxicology Annual Meeting, Baltimore, Maryland. March 10-14, 2019.
- (61) \*Olowolaju S, Giannouchos T, and **Kum H-C**. Demographic and Clinical Characteristics of Frequent Pediatric Emergency Department Users: A Systematic Review and Policy Direction. AcademyHealth Annual Research Meeting, Washington D.C. June 2-4, 2019.
- (62) **Ory M**, Flores S, Flores J, Towne S, and **Smith ML**. Healthy South Texas: An Evaluation of Regional Approaches to Reduce Health Disparities. 2019 Active Living Conference, Charleston, South Carolina. February 17-20, 2019.
- (63) Padilla H, Zuercher H, Wilson M, DeJoy D, Vandenberg R, Haynes N, and **Smith ML**. Program Satisfaction with a Worksite Translation of the Chronic Disease Self-Management Program. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (64) Page R, **Perez-Patron M**, and **Han G**. Telomere Length and Preterm Birth in Mexican-Origin Women: An Exploratory Study. 2019 International Society of Nurses in Genetics, San Antonio, Texas. November 7-10, 2019.
- (65) Park S, **Kum H-C** and Lawley M. A Case Study of Remote Monitoring in Texas. 2019 American Medical Informatics Association Annual Symposium, Washington, D.C. November 16-20, 2019.
- (66) Pena J, Millard A, **Perez-Patron M** and Wickwire B. Differences in Hemoglobin A1c in a Community-Based Diabetes Prevention Project in a US-Mexico Border City. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.
- (67) Pena-Purcell N, **Han G**, **Smith ML**, and **Ory M**. Impact of Diabetes Self-Management Education on Psychological Distress and Health Outcomes among African Americans and Hispanics/ Latinos with Diabetes. Society for Public Health Education Annual Conference, Salt Lake City, Utah. March 27-29, 2019.
- (68) Peña-Purcell N and **Han G**. The Impact of Diabetes Self-Management Education on Psychological Distress and Health Outcomes among African Americans and Hispanics with Diabetes. Society for Public Health Education 2019 Annual Conference, Salt Lake City, Utah. March 27 - 29, 2019.
- (69) **Perez-Patron MC**, Lucia, R, Pena C, Yamba L, **Carrillo G**, and Taylor B. Evaluating the Educational Needs of Hispanic Women at Risk of Gestational Diabetes in Communities in the Texas-Mexico Border. 2019 Association of Maternal and Child Health Programs, San Antonio, Texas. March 9-12 2019.
- (70) \*Preston LE, **Fischer RSB**, Murray, KO, Midturi J, and Horney J. Rickettsiosis in Central Texas. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland. November 20-24, 2019.
- (71) \*Primm K, **Bolin J**, **Ferdinand A**, **Callaghan T**, and Akinlotan M. Geographic Variations in Mortality from 5 Common Cancers in the United States from 1999-2016. Annual Meeting of the American Society for Preventive Oncology, Tampa, Florida. March 9-12, 2019.
- (72) \*Primm K, **Callaghan T**, Akinlotan M, Macareno B, **Bolin J** and Ferdinand A. Urban-Rural Variation in Cancer Mortality in the United States, 1999-2017. National Rural Health Association Annual Conference, Atlanta Georgia. May 19-22, 2019.
- (73) \*Primm K, **Callaghan T**, Akinlotan M, Macareno B, **Bolin J**, and Ferdinand A. Heart failure-related Mortality Across the Urban-Rural Continuum. National Rural Health Association Annual Conference, Atlanta Georgia. May 19-22, 2019.
- (74) Prochnow T, **Sharkey J**, Delgado H, and Umstattt Meyer M. Using Social Network Analysis in Health Coalitions and 5210 Implementation. 2019 Active Living Research Conference. Charleston, South Carolina. February 17-20, 2019.
- (75) Prochnow T, Ylitalo K, **Sharkey J**, and Umstattt Meyer M. Perceived Barriers of being Physically Active during the summer and School-Year: How do Siblings Compare in Mexican-Heritage Families? 2019 Active Living Research Conference. Charleston, South Carolina. February 17-20, 2019.
- (76) \***Radcliff TA**, Horney JA, Dobalian A, Macareno B, Kabir U, Price C, and Strickland C. Disaster Planning, Preparedness, & Response for Rural Long-Term Care Providers. Resilience Rising: Research and Practice on Hurricane Harvey and Hazards of the Future, College Station, Texas. September 5-6, 2019.
- (77) Rahn R, Sherman L, and **Clark H**. Using Health Behavior Theories to Develop an Instrument to Identify Obesity Perceptions in Health-Related Majoring Undergraduate Students. Society of Public Health Education 70th Annual Conference, Salt Lake City, Utah. March 26-29, 2019.
- (78) Roman-Hubers A, Chen Z, Liu Y, **McDonald T**, Wade T, Lyon D, Chiu W, and Rusyn I. Passive Dosing Methods for in Vitro Testing of UVCB Substances. NIEHS Superfund Research Program Annual Meeting, Seattle, Washington. November 18-20, 2019.
- (79) Ross J and **Clendenin A**. Teaching Public Health History and Messaging with Popular Culture. Association of Schools and Programs of Public Health Annual Conference, Arlington, Virginia. March 20-22, 2019.
- (80) \*Scronce G, Zhang W, **Smith ML**, McCulloch KL, Allison LK, and Mercer VS. Effectiveness of a Novel Implementation of the Otago Exercise Program in Rural Appalachia. American Physical Therapy Association Annual Conference, Chicago, Illinois. June 12-15, 2019.



- (81) Sherman L, Towne S, Xu M, Zhu X, Lee C, Griffin G, **Mckyer L** and **Ory M**. Factors Associated with Neighborhood Satisfaction among Residents of an Activity-Friendly Community. 2019 Active Living Conference, Charleston, South Carolina. February 17-20, 2019.
- (82) Shipp E, Trueblood A, **Kum H-C**, Kim J, Pant A, and Perez M. SW AgCrash: Mining Motor Vehicle Crash Report Narratives to Improve Worker Safety. 2019 International Society for Agricultural Safety and Health Annual Conference, Des Moines, Iowa. June 24-27, 2019.
- (83) **Smith ML**, Coffey T, Bergeron C, Shacham E, Goltz H, and Boolani A. Sexually Transmitted Infection Knowledge among Older Adults: Psychometrics and Test-Retest Reliability. Gerontological Society of America Annual Meeting, Austin, Texas. November 13-17, 2019.
- (84) **Smith ML**, Jacobs W, Oloruntoba O, Gittens O, and Merianos A. Current Smoking Behavior and Perceived Severity of Interrelated Cardiovascular Risk Factors among College Students in the United States. Society for Research on Nicotine and Tobacco - Europe Annual Conference, Oslo, Norway. September 12-14, 2019.
- (85) **Smith ML**, Merianos A, Oloruntoba O, and Barry A. Intrapersonal and Alcohol use Factors Associated with Social Comparisons among Female High School Students. American School Health Association Annual Conference, Cincinnati, Ohio. October 2-4, 2019.
- (86) **Smith ML**, **Ory M**, Herrera-Venson A, Zhong L, Lee S, Towne S, Kulinski K, Cameron K, and Lorig K. Combating the Opioid Crisis with Non-Pharmacological Pain Self-Management Programs. 2019 Annual Meeting of the American Academy of Health Behavior, Greenville, South Carolina. March 10 - 13, 2019.
- (87) **Smith ML**, Zhong L, Flores S, Flores J, Towne S, Lee S and **Ory M**. Effectiveness of a Diabetes Education Program among Adults with Type 2 Diabetes Living at the Texas-Mexico Border. 2019 Annual Meeting of the American Academy of Health Behavior, Greenville, South Carolina. March 10 - 13, 2019.
- (88) \*Starling J, Strasma A, Silva R, and **Fischer RSB**. Community Health Screenings in Rural Nicaragua Reveal High Prevalence of Protozoal Intestinal Parasites and Polyparasitism. The James Steele Conference on Diseases in Nature Transmissible to Man, Houston, Texas. May 29-31, 2019.
- (89) \*Starling J, Strasma A, Silva R, and **Fischer RSB**. Healthy Community Stool Screenings Reveal High Prevalence of Protozoal Intestinal Parasites and Polyparasitism in Rural Nicaragua. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland. November 20-24, 2019.
- (90) Strasma A, **Fischer RSB**, and Mandayam S. The Epidemic of Kidney Disease of Unknown Etiology in Central America is an Important Cause for Emergent Dialysis Utilization in Houston, Texas. Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, Costa Rica. March 20–22, 2019.
- (91) \*Strasma A, Worrall H, Vangala C, Silva R, Mandayam S, Murray KO, and **Fischer RSB**. Urinary Findings among Adults and Children in a Region of Nicaragua with a High Burden of Mesoamerican Nephropathy. Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, Costa Rica. March 20–22, 2019.
- (92) \*Strasma A, Worrall H, Mandayam S, Silva R, Murray KO, and **Fischer RSB**. Urinary Findings at Healthy Community Screenings in a Region of Nicaragua with a High Burden of Unexplained Kidney Disease. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland. November 20-24, 2019.
- (93) Strasma A, Worrall H, Mandayam S, Vangala C, Silva R, Murray KO, and **Fischer RSB**. Urine Testing of Community Residents in a Region of Nicaragua with a High Burden of Mesoamerican Nephropathy Reveal Background Systemic Inflammatory Signs Rapidly Increase in Younger Ages. American Society of Nephrology Kidney Week 2019, Washington, D.C. November 7-10, 2019.
- (94) Towne S, Jr, Wang W, Du Y, Lee S, **Washburn D**, Liu X, Zhang H and **Maddock J**. Identifying Structural and Social Determinants of Health Inequities in Relation to Perceived Quality of Care among Patients Seeking Care in Large Hospitals in China. American Public Health Association Annual Conference, Philadelphia, Pennsylvania. November 2-6, 2019.
- (95) Towne S, Du Y, **Smith ML**, and **Ory M**. Health Behaviors among University Employees: Insights and Opportunities for Improvement. American Academy of Health Behavior Conference, Greenville, South Carolina. March 10-13, 2019.
- (96) **Ukert B**, Saynisch P, David G, Agiro A, and Oberlander T. Model Homes: Comparing Approaches to PCMH Implementation. 8th Conference of the American Society of Health Economists, Washington, D.C. June 23-26, 2019.
- (97) Uribe-Salas FJ, Carrillo G, Jepson W and Moran J. Enfermedades Diarreicas e Indicadores Sociales y De Acceso Al Agua En Viviendas En Torreón. XII Congreso Panamericano de Infectología, Luque, Paraguay. May 29-June 1 2019.
- (98) \*Uwak I, Lam J, Xu X, Taylor B, Foster M, Moriarty M, Taiwo S, Fuentes A, Olson N, Chiu W and **Johnson N**. Application of the avigation Guide Systematic Review Methodology to Evaluate the Association between Prenatal Particulate Matter Air Pollution Exposure and Birth Weight. 2019 Transportation, Air Quality, and Health Symposium, Austin, Texas. February 18-20, 2019.
- (99) Villatoro AP, **DuPont-Reyes MJ**, Phelan JC, and Link BG. "Me vs. them": How Stigmatizing Attitudes and Behaviors Influence Help-Seeking and Referral among Adolescents. 2019 World Psychiatric Association Together Against Stigma, Singapore. October 3-5, 2019.

(100) Wilson MG, Zuercher H, Robertson M, Padilla H, DeJoy D, Haynes N, Vandenberg R, Lorig K, and **Smith ML**. Do Work-Life Factors Influence Engagement in a Worksite Chronic Disease Self-Management Program? American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.

(101) **Xu X** and **Carrillo G**. Glucose Homeostasis and Insulin Resistance in the USA. Ozone Exposure, Glucose Homeostasis, and Insulin Resistance in the USA. International Society for Environmental Epidemiology 2019, Utrecht, The Netherlands. August 25-28, 2019.

(102) Ylitalo K, Umstattd Meyer M, Bridges C, Gutierrez M, and **Sharkey J**. Sibling Influence on Physical Activity and Sedentary Behavior in Mexican-Heritage Families. 2019 Active Living Research Conference. Charleston, South Carolina. February 17-20, 2019.

(103) Yoon-Ho S, Dicks V, Wonsuk Y, and **Carrillo G**. Association of Multiple Chronic Conditions and Limitations in Daily Activities among Adults in the United States. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2-6, 2019.

(104) \*Yoshikawa A, Ramirez G, **Smith ML**, Foster M, Nabil A, Jani S and **Ory M**. Opioid use and the Risk of Falls, Fall-Related Fractures and Other Injuries among Older Adults: A Systematic Review and Meta-Analysis. Annual Conference of the American Public Health Association, Philadelphia, Pennsylvania. November 2-6, 2019.

(105) \*Yoshikawa A, **Smith ML**, Lee S, **Towne S** and **Ory M**. The Role of Improved Social Support for Healthy Eating in a Lifestyle Intervention: Texercise Select. Gerontological Society of America Annual Meeting, Austin, Texas. November 13-17, 2019.

(106) Zhu X, Xu M, Lee C, Griffin G, and **Ory M**. Walkability vs. Livability: Friends or Foes? Changes in Multiple Domains of Livability after Relocation to a Walkable Community. 2019 Active Living Conference, Charleston, South Carolina. February 17-20, 2019.



# Faculty Research Interests by Department

## Health Promotion and Community Health Sciences

**Burdine, James Ph.D** Interim Department Head / Professor  
Community Health Development; Community Organization and Assessment; Community Health Status Assessment. Measurement of factors influencing community capacity for population health improvement and community health development strategies, particularly community health needs assessment.

**Clark, Heather DrPH** Director of Public Health Practice / Research Associate Professor.  
Building Community Capacity to Solve Problems. Grassroots Causes. Social Norms & Values, Partnerships with Community. Rural Access to Care. Physical & Mental Health. Diabetes & Opioid Abuse.

**Colwell, Brian Ph.D** Professor  
Social Ecology and Health Behavior; Seminar on Alcohol, Tobacco, and Other Drugs. Adolescent smoking cessation; school health education; youth smoking prevention; adolescent mental health and substance abuse.

**Dowdy, Diane Ph.D** Instructional Assistant Professor  
Public Health Interventions. Childhood Obesity aimed at prevention or reduction, physical activity programs to community settings; physical activity, and aging.

**Delgado-Rendon, Angelica Ph.D** Instructional Assistant Professor  
Entertainment education projects such as telenovelas and fotonovelas to educate communities about various health topics.

**Flores, Krystal Ph.D** Instructional Assistant Professor  
Maternal and Child Health, Border Health (Rio Grande Valley, TX), Adolescent Pregnancy Prevention along the Texas - Mexico Border, Health disparities among vulnerable populations (including Latinas, adolescents, and immigrant children).

**Garcia, Robert Ph.D** Instructional Assistant Professor  
Community-based approaches to cancer prevention in Latino populations (the US and abroad), Development of culturally appropriate and relevant interventions for diverse populations, Creation of community, academic, and government collaborations to improve health outcomes, Tobacco regulatory science, Tobacco use disparities, Cancer disparities.

**Jones-McKyer, Ellisa Ph.D** Associate Dean for Climate & Diversity / Professor  
Minority health issues and health disparities; Parental influences on child health behaviors and outcomes; Socioecological factors of health behaviors.

**Ma, Ping Ph.D.** Assistant Professor  
Maternal & Child Health Issues. Health Disparities in Vulnerable Populations. Smoking Cessation. Children's Injury Prevention.

**Mier, Nelda Ph.D** Instructional Assistant Professor  
Chronic Disease Prevention, Quality of Life through Behavioral Change in Mexican Americans of all ages living in Texas-Mexico border region, Physical Activity Among Mexican Americans, Intervention Research to Enhance Physical Activity Patterns, Diabetes Prevention Among Children and Adults in Border Region, Promotoras Model (Community Health Workers) in Border Regions.

**Sharkey, Joe Ph.D** Professor  
Social and Behavioral Research Methods; Program Evaluation; Mixed-Methods Research; Environment and Policy Assessment. Food access and food choice in underserved areas, food insecurity and hunger, childhood obesity, and effects of structural and individual characteristics on nutrition, physical activity, and health outcomes, promotora empowerment, community-engaged approached to population health.

**Spengler, John Ph.D, J.D.** 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.

**Stasi, Selina DrPH** Instructional Assistant Professor  
Access to and physical activity promotion within underserved communities and communities of color, through community-based research, asset mapping, and GIS analysis. Research regarding physician-based physical activity counseling, prescription and referral, and youth engagement and empowerment to combat disparities in physical activity and health. Linkages between community, clinic, and church, and the role public health practitioners play to leverage resources between them all.

**Tai-Seale, Tom DrPH** Instructional Associate Professor  
Social and Behavioral Determinants of Health; Program Planning; Program Evaluations; The Biology of disease. Local health systems development and community empowerment of chronic disease prevention; program planning and evaluation for the prevention and control of chronic disease; health behavior coaching.

## Epidemiology & Biostatistics

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

**DuPont-Reyes, Melissa Ph.D** Assistant Professor  
Childhood Violence Victims and Psychological and Developmental Repercussions of Childhood Violent Crimes or Events. Spanish Media and Health Outcomes.

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

**Fischer, Rebecca Ph.D** Assistant Professor  
Tropical Diseases/Viruses. Parasitic Diseases (not vaccine-preventable). Defining Trends & Epi. Infectious Diseases. Leptospirosis. Field Epidemiology of Disease.

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

**Han, Daikwon Ph.D** 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 Ph.D** Associate Professor  
Biostatistics. Personalized Medicine and Development of Methods. Survivor Analysis. Trial Design for Clinical Trial Methods. Time to Event Data Analysis. Economically and Ethically Reduce Time of Clinical Trials.

**Kalbasi, Shaida Ph.D** Instructional Assistant Professor  
Health Disparities, Women's Health, Quality of care for Immigrants, and Racial Minorities, Effect of Discrimination, and Race Relations on Health outcomes.

**Perez-Patron, Maria Ph.D** Research Assistant Professor.  
Secondary Data Analysis. Minority & Immigrant Health. Demographics Population Analysis (Rural & Urban). Fertility & Mortality. Gestational Diabetes (Interventional).

**Regan, Annette Ph.D** Assistant Professor  
Vaccine Epidemiology, Vaccine Safety, Respiratory Infections.  
Maternal, Infant and Child Health, Birth Spacing, Preterm Birth & Stillbirth, Digital Health Tools.

**Roh, Taehyun Ph.D** Assistant Professor  
Arsenic and Water pollution of water supplies. Clean Water Access in Rural Populations. Toxicology and Environmental Health.

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

**Xu, Xiaohui Ph.D** Department Head, Associate Professor  
Air pollution epidemiological studies. Susceptible population to environmental exposures modified by genetics, pre-existing health conditions, and co-exposure to other factors, etc. Maternal and child health. Environmental exposure assessment. Spatial epidemiology.

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

**Zhao, Hongwei Ph.D** Professor  
Survival analysis and longitudinal data analysis, Quality-adjusted lifetime estimation, and cost-effectiveness analysis conducted with censored data, Problems arising from correlated data from longitudinal studies, and multilevel epidemiological studies.

**Zheng, Qi Ph.D** Professor  
Mathematical Modeling of Biological Processes. Applied Statistical Processes. Application of Computer Algebra. Microbial Mutation Rates & Methods for Analysis.

## Health Policy & Management

**Andreyeva, Elena Ph.D** Assistant Professor  
Health economics, Spatial nature of the healthcare market, Urban/regional/rural economics, Health Insurance effects on policies of healthcare delivery, Risky health behaviors.

**Bolin, Jane Ph.D, J.D., R.N** Professor.  
Health Law and Ethics, Regulatory Compliance; Cancer Screening and Prevention; Diabetes Self- Management; Chronic Disease Management; Interdisciplinary and Translational Research; Rural Health Research;

**Callaghan, Timothy Ph.D** Assistant Professor  
Health Policy & Politics, Rural Health. State Level Decisions on Health Policy & Access to Care. Autism, Disability, Motivations of Personal Issue to Public Policy Change. Surprise Medical Bills. Medicaid Work Requirement. Antibiotic Resistance.

**Carrino, Gerard Ph.D** 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 Ph.D** Program Director/ Associate Professor  
Operational Analysis. Health Services Delivery Methods (Tele/Drone). Project Management in Rural Hospitals. Information Asymmetry in Doctor/Patient Encounters.

**Ferdinand, Alva Ph.D, J.D.** Assistant Professor  
Impact of laws and other policies relative to public health outcomes such as roadway safety, obesity, and access to care. Other interests include state and federal regulation of health care and community health development.

**Griffith, Jennifer. DrPH** Associate Dean for Academic Affairs/ Instructional Associate Professor.  
Public Health Emergency Preparedness and Response; Intervention Implementation, Management, and Evaluation.

**Hatala, Jeffrey. Ph.D** Program Director/ Instructional Associate Professor  
Public health systems and service research; Rural health, health policy, and vulnerable populations; Nutrition, physical activity, obesity and related conditions; Educational pedagogy in health professions.

**Kash, Bitu MBA, Ph.D** Professor  
Organizational capacity for change and transformation; Change implementation in healthcare; Healthcare strategic planning and marketing; Quality and Cost of Care.

**Kum, Hye-Chung, Ph.D** Associate Professor  
Data science for health care; population and health informatics; analysis of big data; decision support systems for health policy and management. Machine Learning.

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

**McMaughan, Darcy Ph.D** 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 Ph.D** 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.

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

**Quiram, Barbara Ph.D** 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 Ph.D** Associate Dean for Research / 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; Disaster Preparedness and Response; Veterans Healthcare; Economic Evaluation.

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

**Schmit, Cason J.D.** 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 Ph.D** Instructional Assistant Professor  
Social Learning and Identity Formation; Gender in the Workplace; Andragogy and Curriculum Development.

**Washburn, David Sc.D** 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 Ph.D** Assistant Professor  
Public Health Communication/Writing, Global Health, Public Health Research Methods, Patient/Health Advocacy. 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 Ph.D** Department Head, Associate Professor  
Human Factors, Safety Engineering, Process Safety Management, and Ergonomics Office worker obesity, classroom ergonomics and childhood obesity, medical device development and testing, and rehabilitation engineering.

**Carrillo, Genny M.D., Sc.D** Associate Professor Border Environmental Health Risk Management and Communication. Public health and US-Mexico Border Health issues with a special interest in interactions of human health and the environment, asthma in school children, and home safety and healthy homes.

**Cizmas, Leslie Ph.D** Instructional Assistant Professor.  
Basic Environmental Toxicology, Global Health.

**Johnson, Dennis MPH, CIS, CPH.** Graduate Program Manager.  
Crisis Management/Emergency Response, HSE Leadership and Management Systems, Accident Investigation and Prevention, Exposure Assessment, and Control.

**Johnson, Natalie Ph.D** Associate Professor  
Environmental & Occupational Diseases, Environmental Health & Toxicology, Mechanisms of Disease Prevention. Environmental carcinogens; Environmental health disparities; Exposure to foodborne (aflatoxins) and environmental carcinogens (polycyclic aromatic hydrocarbons); Chemoprevention; Development of biomarkers of exposure to traffic-related air pollution; Prenatal exposure to air pollution and associated epigenetic changes; Dietary interventions to prevent environmentally-induced asthma; Population-based animal models of allergic airway disease.

**Maddock, Jay Ph.D** Professor  
Health, Wellness, and Physical Activity, Diet, Social-Ecological Approaches to Increasing Physical Activity; Nutrition, Tobacco Use, and Global Health.

**McDonald, Thomas Ph.D** Regents Professor  
Environmental Measurements/Chemistry. Environmental chemistry, petroleum geochemistry, and general organic chemistry.

**Mendoza-Sanchez, Itza Ph.D** 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. Environmental Engineering. Models of Contaminants in Groundwater. Antibiotics in Food Production & Groundwater. Antibiotic Resistance.

**Ory, Marcia Ph.D** Regents & Distinguished Professor / Associate Vice President for Strategic Partnerships (TAMHSC) / Public Health Interventions. Aging and Health promotion. Chronic Disease Management; Health Technology and Community Engagement. Translational research.

**Peres, S. Camille Ph.D** Associate Professor  
Human Factors, Research Methods, Alternative Displays. Biomechanics of Human-computer interactions, Design guidelines for auditory displays, and usability of home health care technology. Worker safety, human systems integration, human systems engineering, ergonomics, procedures, engineering psychology, occupational safety.

**Pickens, Adam Ph.D** Instructional Assistant Professor  
Occupational Safety, Industrial Hygiene, Ergonomics, and Biomechanics. Ergonomic tool development; Occupational safety screening/tool development, Upper extremity modeling; Manual materials handling, and Occupational biomechanics

**Antonio Rene Ph.D** Associate Professor  
Occupational/Environmental, Chronic Disease Epidemiology

**Sansom, Garret Ph.D** Research Assistant Professor.  
Environmental health policy and planning, Community Resilience, Sustainable development, and public health, Field research methods, Community engagement strategies

**Sharma, Virender Ph.D** Professor  
Environmental, Physical, Analytical Chemistry. 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 the Aquatic Environment.

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



# 2019 Faculty Research Excellence Award



## 2019 Faculty Research Excellence Award Recipient - Xiaohui Xu Ph.D

Dr. Xiaohui Xu, Ph.D, was presented the 2019 Faculty Research Excellence Award by the SPH Associate Dean for Research, Dr. Tiffany Radcliff. Dr. Xu is an environmental epidemiologist who exemplifies a collaborative, interdisciplinary approach to research. His research focuses on the health effects of global and emerging environmental issues, creating healthier environments, and reducing hazardous environmental exposures along with some secondary work in cancer. He is a part of a team that received approximately \$1.4 million from the inaugural Texas A&M University X-grant program that is developing a “Breath on-a-chip” spectrometer for exhaled breath analysis. He received a REDI grant from the SPH and a T3 grant from Texas A&M. At the time of the award, his H-index on Google Scholar was 37 with almost 3,500 citations of his publications. He has been invited to present his research at state, national and international conferences and continues to mentor several graduate students and faculty in epidemiology and biostatistics.

### 2019 Active Funding

#### **Xu, Xiaohui.**

Air Pollution and Alzheimer’s disease and Related Outcomes, George Washington University. \$797,656 (2018-2022)

### 2019 Publications

\*Baek J, Huang K, Conner L, Tapangan N, **Xu X**, Carrillo G. Effects of the Home-Based Educational Intervention on Health Outcomes among Primarily Hispanic Children with Asthma: A Quasi-Experimental Study. *BMC Public Health* 2019; 19(1):912.

Gao X, Zou H, **Xu X**, Zhou L, Tang S, Yuan W, Zhang M. Developing a Guideline for Measuring the Total Number Concentration of Engineering Nanomaterials in Workplaces in China. *Journal of Occupational Health* 2019; 61(2):197-202.

\*Hill AV, Menon R, Perez-Patron M, Carrillo G, **Xu X**, Taylor BD. High-Mobility Group Box 1 at the Time of Parturition in Women with Gestational Diabetes Mellitus. *American Journal of Reproductive Immunology* 2019; 82(5):e13175.

Li Z, **Xu X**, Thompson LA, Gross HE, Shenkman EA, DeWalt DA, Huang I. Longitudinal Effect of Ambient Air Pollution and Pollen Exposure on Asthma Control: The Patient-Reported Outcomes Measurement Information System (PROMIS) Pediatric Asthma Study. *Academic Pediatrics* 2019; 19(6):615-623.

**Xu X**, Zhang X, Carrillo G, Zhong Y, Kan H, Zhang B. A Systematic Assessment of Carcinogenicity of Chemicals in Hydraulic-Fracturing Fluids and Flowback Water. *Environmental Pollution* 2019; 251:128-136.

Zhang X, Zhong Y, Taylor N, **Xu X**. Family History of Prostate Cancer and age-related Trend of Testosterone Levels among US Males: NHANES 2003–2004. *Andrology* 2019; 7(3):288-292.

Zhang X, Zhong Y, Saad F, Haider KS, Haider A, Clendenin A, **Xu X**. Testosterone Therapy may Reduce Prostate Cancer Risk due to Testosterone Deficiency at a Young Age via Stabilizing Serum Testosterone Levels. *The Aging Male* 2019:1-7.

Zhang X, Zhong Y, Saad F, Haider K, Haider A, **Xu X**. Clinically Occult Prostate Cancer Cases may distort the Effect of Testosterone Replacement Therapy on Risk of PCa. *World Journal of Urology* 2019; 37(10):2091-2097.



## **2019 Student Research Awards**

14<sup>th</sup> Annual Dr. Jean Brender Student Research Poster Contest award recipients:



**Undergraduate:**  
1st: Kaytlyn Salmons  
2nd: Kalina Zahariev



**Graduate:**  
1st: Nikita Sandeep Wagle  
2nd: Hannah Hoffman  
3rd: Deb Kellstedt DrPH (tie) Katie Kirsch

### **SPH Award for Research Excellence**



**Doctoral:**  
Xiao Zhang (Ph.D.—May 2019)



**Masters:**  
Aparajita Sudan