



The School of
Public Health

Annual Research Report

Calendar Year 2013

The mission of the School of Public Health is to improve the health of communities, with emphasis on rural and underserved populations, through education, research, service, outreach and creative partnerships.



Message from the Interim Dean

At the School of Public Health (SPH), our goal is to improve the health of communities through education, service, outreach and research. One of the strategies we employ is the development of creative partnerships to enhance our effectiveness in working toward that goal. Nowhere is the impact of those partnerships more evident than in our research activities.

This report presents an overview of the SPH research portfolio including a listing of our Board of Regents approved research centers, dedicated research programs, research projects, and publications. As highlighted in this report, SPH research endeavors and extramural funding are diverse, addressing a myriad of some of the most pressing public health issues such as prevention research to reduce health disparities in rural and underserved communities, public health and emergency preparedness and response, innovative methods to increase physical activity and combat obesity in children, interventions to promote healthy aging and decrease chronic diseases, development of novel approaches to cancer prevention and survivorship, health organization transformation through creative industry partnerships, the impact of water quality on pregnancy outcomes, asthma education, lifestyle interventions and diabetes, reduction in food insecurity, and tobacco use prevention and cessation.

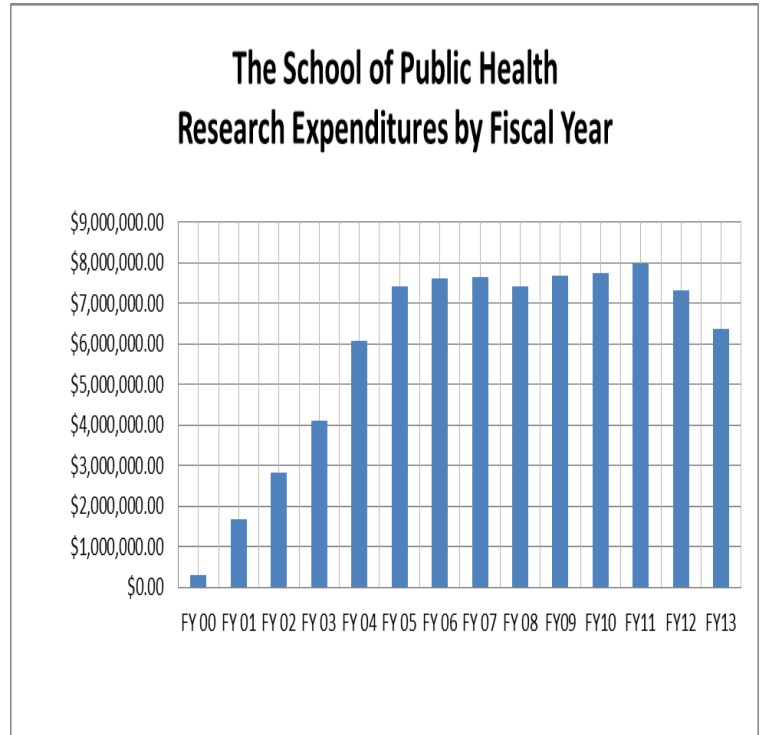
Recognizing the importance of disseminating research findings, our faculty published over 120 full articles in calendar year 2013 in a wide range of public health journals and related disciplines. A full listing is included in this report. We would also like to recognize our students and former students who served as first authors or co-authors on many publications. We strongly believe that education and research go hand-in-hand, and the investment in training the next generation of public health researchers will lead to better health for populations across Texas, the United States, and the world.



James N. Burdine, DrPH, *Interim Dean*
School of Public Health
Texas A&M Health Science Center

RESEARCH EXPENDITURES BY FISCAL YEAR

Sponsored research, education, and outreach, as measured in annual extramural expenditures, decreased in CY2013 as a result of a variety of external and internal factors. The funding climate remains challenging with continuing budget reductions at the federal, state, and local levels. In addition to the increasingly competitive external funding environment, a number of internal factors are impacting the research expenditures. Most notably, a number of senior and well established investigators retired during the past year. At the same time, the school welcomed many new junior and mid-career faculty members to the team. This transition will impact research expenditures in the near future; however, the growing diversity in research expertise coupled with the pursuit of a variety of new funding streams promises many opportunities for future funding growth.



RECOGNITION

During Calendar Year 2013, the faculty and students received many research accolades; these are too numerous to include in this report. However, two events highlight the research efforts by students and the commitment of faculty advisors and mentors toward support of the student research experience during their tenure at SPH. These include the SPH Annual Award for Research Excellence and the Delta Omega Annual Research poster contest. Each year, during May commencement exercises, SPH selects one doctoral level and

one masters level student to receive the Research Excellence Award. Dr. Kristin Miller was selected as the 2013 doctoral level award recipient. Mr. Ryan Hollingsworth received the masters level award.



Another activity that highlights the research activities at SPH is the selection of students for participation in the Delta Omega Sponsored Annual Research Poster contest held during the annual meeting of the American Public Health Association in Fall 2013. From across the United States, only 19 Public Health students were selected to present at the annual event; three of the 19 were from the Texas A&M School of Public Health. Invited to present were Jennifer Ross, Chinedum Ojinnaka, and Niel Dalal (pictured above from left to right: Associate Dean for Research, Jean Brender, Ph.D., Jennifer Ross, Chinedum Ojinnaka, Niel Dalal, and Interim Dean, James Burdine, Dr.P.H.).



BOARD OF REGENTS APPROVED CENTERS

Center for Community Health Development (CCHD): CDC funded Prevention Research Center (PI: Kenneth McLeroy, PhD, Regents & Distinguished Professor; Co-PI: James Burdine, DrPH; Director: Monica Wendel, DrPH)

Center for Health Organization Transformation (CHOT): NSF Industry/University Cooperative Research Centers Program (PI and Director: Larry Gamm, PhD, Regents Professor, Bitka Kash, PhD*)

Southwest Rural Health Research Center (SRHRC): established with funding initially from the Federal Office of Rural Health Policy (Director: Jane Bolin, PhD, JD, RN)

USA Center for Rural Public Health Preparedness (USA Center): CDC funded Center for Public Health Preparedness (PI and Director: Barbara Quiram, PhD)

The Ergonomics Center: CDC and other externally supported Center (PI and Director: Mark Benden, PhD)

PROGRAMS

Program on Healthy Aging: (Director: Marcia Ory, PhD, MPH, Regents & Distinguished Professor)

Program on Aging and Long-Term Care Policy: (Director: Darcy McMaughan, PhD, Assistant Professor**)

Program on Public Health and Water Research: (Contact: Thomas McDonald, PhD)

Program for Research and Outreach Engagement in Nutrition and Health Disparities: (Director: Joseph Sharkey, PhD, MPH, RD)

Program for Health Workforce Analysis & Policy: (Director: Ciro Sumaya, M.D., MPHTM, Founding Dean)

Program for Reproductive and Child Health: (Director: Brandie Taylor, Ph.D., Assistant Professor***)

Program on Health Policy Research: (Interim Director: Jane Bolin, PhD, JD, RN)

Program on GIS and Spatial Statistics: (Director: Daikwon Han, PhD)

* Bitka Kash, Ph.D. assumed the role of CHOT Director in April 2014;

**Catherine Hawes, PhD served as Director through August 2013;

***Anne Sweeney PhD served as Director through August 2013;

****Eva Shipp, PhD served as Director August 2013-March 2014.

KEY RESEARCH AREAS

- Aging and health promotion
- Aging and disability
- Alcohol and drug abuse
- Border health
- Cancer prevention
- Community health development
- Community-based participatory research
- Chronic disease management
- Cost-effectiveness analysis
- Ergonomics
- Emergency medical preparedness and response
- Environmental exposures and birth defects
- Environmental health
- Falls Prevention
- Food security
- Health economics
- Health information systems
- Health services research
- Health systems research
- Health care associated infections
- Health care cost and quality
- Healthy aging
- Long-term care and aging policy
- Nutrition and obesity
- Occupational safety and health
- Prevention research
- Program evaluation
- Public health training
- Quality of life
- Reproductive health
- Rural disparities
- Rural health policy
- Rural emergency preparedness and response
- Veterans health
- Translational research
- Tobacco cessation and prevention
- Underserved and vulnerable populations
- Water quality

SELECTED RESEARCH PROJECTS

- *Center for Health Organization Transformation, NSF I/UCRC, PI: Gamm (Kash*)*
- *A Hospital Integrated Primary Care Provider (PCP) Network Model, Texas Children’s Hospital, PI: Kash*
- *Central Texas Cancer Prevention and Control Research Network, CDC, PI: Ory*
- *Development of a Stand-Biased School Desk to Reduce Childhood Obesity, CDC, PI: Benden*
- *Enhanced Colorectal Cancer Screening, CPRIT, Co-PIs: McClellan/Bolin*
- *Education to Promote Improved Cancer Outcomes, CPRIT, PI: St. John*
- *Evaluation of Texas 1115 Medicaid Transformation Waiver, Texas Health and Human Services (TXHHSC), Co-PIs: Wells/Wendel*
- *Nitrates, Nitrites, and Nitrosatable Drugs and Birth Defects, NIH, PI: Brender*
- *Nursing Care Assessment Form Project, TXHHSC, PI: Phillips*
- *Nursing Home Antibiotic Stewardship Tools and Guide, AIR Task Order, PI: McMaughan*
- *Prevention Research Center, CDC, PI: McLeroy*
- *Rural Lifestyle Intervention Treatment Effectiveness Trial (Rural LITE), NIH, PI: Radcliff*
- *Statewide Evaluation of Childhood Obesity Prevention Policies in Texas, Robert Wood Johnson Foundation, PI: Ory*
- *Texas Nutrition and Obesity Policy Research and Evaluation Network Collaborating Center, CDC, PI: Sharkey*
- *Texas Healthy Aging Research Network Collaborating Center, CDC, PI: Sharkey*
- *Training and Education Collaborative System Preparedness & Response Learning Center (TECS-PERLC), CDC, PI: Quiram*
- *Texas Asthma Control Program, DSHS, PI: Carrillo Zuniga*
- *Youth Tobacco Education Project, DSHS, PI: Colwell*

ACTIVE GRANTS & CONTRACTS CY2013

Benden, Mark. *Small Business Innovation Research Award (SBIR) PHASE II: Development of a Stand-Biased School Desk to Reduce Childhood Obesity*, subaward from Positive Motion, LLC (prime is CDC), \$421,669 (2013-2015) [ERGC].*

Benden, Mark. *Brazos Partnership for Childhood Obesity Research*, NIH-Eunice Kennedy Shriver Institute of Child Health & Human Development, \$402,875 (2012-2014) [ERGC].

Benden, Mark. *American Council of Governmental Industrial Hygienist Hand Activity Level (ACGIH TLF-HAL) Study*, ExxonMobil Upstream Research Company, \$25,000 (2013-2014) [ERGC].*

Benden, Mark. *Texas A&M University Occupational Safety & Health Training Program (competitive 5 year renewal)*, NIOSH, \$516,453 (2012-2017) [ERGC].

Bolin, Jane, Co-PI (McClellan, David, PI). *Enhanced Colorectal Cancer Screening in a Family Medicine Residency Program Serving Low-Income & Underserved: Translating Research into Practice*, Cancer Prevention & Research Institute of Texas (CPRIT), \$2,748,008 (2011-2014) [SRHRC].

Bolin, Jane, Co-PI (McClellan, David, PI). *Enhanced Breast & Cervical Cancer Prevention for Low-Income and Underserved Using Trans-disciplinary Collaboration in a Family Medicine Setting*, Cancer Prevention & Research Institute of Texas (CPRIT), \$1,499,993 (2013-2016) [SRHRC].*

Bolin, Jane. *Rural Healthy People 2020*, (Prevention Research Center funded subproject), CDC, \$85,724 (2011-2014) [CCHD] [SRHRC].

Brender, Jean. *Nitrates, Nitrites, and Nitrosatable Drugs and Risk of Selected Birth Defects*, NIH/NIEHS, \$1,400,117 (2007-2013).

Brender, Jean. *Mining Massive Geographically Referenced Environmental Health Data to Identify Risk Factors for Birth Defects*, subaward from Texas State University (prime is EPA), \$107,672 (2011-2014).

Carrillo Zuniga, Genny. *Texas Asthma Control Project*, Texas Department of State Health Services, \$316,103 (2009-2014).

Carrillo Zuniga, Genny. *Development of an Environmental/Epidemiological Database in Texas-Mexico Border*, Border Environmental Cooperation Commission (BECC), \$50,000 (2012-2013).

Carrillo Zuniga, Genny. *Environmental Management Asthma Education to Improve the Quality of Life of Children with Asthma*, subaward from Texas A&M Kingsville (prime is EPA), \$10,504 (2012-2013).

Carrillo Zuniga, Genny. *Integrated Environmental Indoor Management using Healthy Homes and Asthma Education*, EPA, \$50,000 (2012-2014).

Colwell, Brian. *Youth Tobacco Education Project*, Texas Department of State Health Services (DSHS), \$545,405 (2003-2014).

Dowdy, Diane. *Texas Legislators Survey: A T-COPPE Collaborative Effort*, University of Texas Health Science Center School of Public Health (prime is The Robert Wood Johnson Foundation), \$18,000 (2012-2013).

Gamm, Larry. *Center for Health Organization Transformation (CHOT)*, National Science Foundation I/UCRC, \$460,999 (2008-2014) [CHOT]. (Bita Kash assumed PI role in 2014.)

Gamm, Larry. *Center for Health Organization Transformation*, Various Memberships, \$1,412,500 (2009-2014) [CHOT]. (Bita Kash assumed PI role in 2014.)

Gamm, Larry and Kash, Bita. *Studer and St. Luke's*, St. Luke's Episcopal Health System, \$150,000 (2012-2014) [CHOT].

Gamm, Larry and Gregory, Sean. *Leveraging a Studer Group Intervention for Continuous Innovation*, Studer Group, \$150,000 (2012-2014) [CHOT].

Garcia, Tanya. *Improved Definition and Prediction of Huntington's Disease Motor-Onset Using Advanced Statistical Methods*, Huntington's Disease Society of America, \$150,000 (2013-2015).*

Gorman, Dennis. *Development and Validation of Agent Based Models of Alcohol Related Violence*, NIH/NIAAA, \$377,999 (2011-2014).

Han, Daikwon. *Making Healthy Places: Developing Guidelines for Building Healthier Cities*, National Research Council/Korea Research Institute for Human Settlements, \$10,000 (2013).*

Hong, Yan. *Designing and Testing Mobile Application for Older Cancer Survivors to Use Community Resources*, Scott & White Health System, \$50,000 (2011-2014).

Hong, Yan. *A Mobile Application to Promote Physical Activity and Access to Health Information among Seniors in Central and Rural Texas*, National Network of Libraries of Medicine, \$10,000 (2011-2013).

Jiang, Luohua. *Indian Health Services Division of Diabetes Treatment and Prevention (DDTYP) Demonstration Projects Coordinating Center*, subaward from The University of Colorado Denver (prime is Indian Health Services), \$76,692 (2011-2013).

Jiang, Luohua. *Indian Health Services Division of Diabetes Treatment and Prevention (DDTYP) Demonstration Projects Coordinating Center*, renewal of subaward from University of Colorado Denver (prime is Indian Health Services), \$272,051 (2013-2016).*

Jiang, Luohua. *Multi-level Analysis of the Translational Effects of Lifestyle Intervention among American Indian and Alaskan Natives*, American Diabetes Association, \$291,974 (2012-2015).

Kash, Bita. *Anatomy, Evolution, and the Future of the Perioperative Surgical Home (PSH): Development of a Framework for the PSH Design and Action*, American Society of Anesthesiologists, \$150,000 (2013-2016) [CHOT].*

Kash, Bita. *A Hospital Integrated Primary Care Provider (PCP) Network Model*, Texas Children's Hospital, \$150,000 (2013-2016) [CHOT].*

Lillibridge, Scott. *Western Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Administrative Core*, subaward from The University of Texas Medical Branch Galveston (prime is NIH), \$509,429 (2007-2014).

McDonald, Thomas. *Border Environmental Health and Toxicology*, ATSDR, \$750,000 (2009-2013).

McDonald, Thomas. *Public Health Traineeship*, HRSA, \$191,469 (2002-2013).

McDonald, Thomas. *External Safety Support*, TTI, \$40,000, (2010-2014).

McLeroy, Kenneth. *Prevention Research Center (PRC). Center for Community Health Development* 5 year renewal, CDC, \$7.7M (2009-2014) [CCHD].

McLeroy, Kenneth (Monica Wendel, Co-PI). *Evaluation of minority youth tobacco education program*, subaward from The American Legacy Foundation (prime is U.S. Department of Health and Human Services), \$235,343 (2011-2014) [CCHD].

McLeroy, Kenneth (Monica Wendel, Co-PI). *Evaluation of Legacy Partnerships for Healthier Communities*, American Legacy Foundation, \$255,886 (2011-2013) [CCHD].

McMaughan, Darcy. *Nursing Home Antibiotic Stewardship Tools and Guide*, task award from American Institutes for Research (prime is AHRQ), \$206,675 (2013-2016).*

(Grants/contracts continued)

Mehta, Ranjana. *Influence of Workplace Stress and Personal Factors on Musculoskeletal Disorders*, subaward from The University of Texas Health Science Center San Antonio (prime is NIOSH), \$10,000 (2013).*

Millard, Ann. *Breast Feeding Support in Hidalgo County*, Hidalgo County WIC, \$12,000 (2012-2013).

Millard, Ann. *Loteria De Comadres Contra El Cancer*, subaward from Mercy Ministries of Laredo (prime is Cancer Prevention Research Institute of Texas [CPRIT]), \$58,072, (2012-2015).

Millard, Ann. *Safe Cycling to Edinburg Schools*, Edinburg Independent School District, \$4,326 (2012-2013).

Millard, Ann. *Community Perceptions of the Environmental Issues Related to the Donna Reservoir: An Environmental Justice CBPR Pilot Study*, subaward from The International Valley Health Institute (primary is Institute for Integration of Medicine & Science through The University of Texas San Antonio), \$5,000 (2013-2014).*

Nobles, Robert. *External Evaluation of the AFC-Personal Responsibility Education Program (PREP)*, Ambassadors for Christ, Inc., \$129,000 (2012-2015).*

Ohsfeldt, Robert. *Technology Directed Advanced Radiation Therapy of Lung Cancer*, subaward from the University of Texas Southwestern Medical Center (prime is CPRIT), \$232,440, (2011-2016).

Ohsfeldt, Robert. *Functional Outcomes in OEF/OIF Veterans with PTSD and Alcohol Misuse*, Central Texas Veterans Administration, \$34,071 (2010-2013).

Ory, Marcia G. *Pilot Evaluation of the Chronic Disease Self-Management Program*, subaward from The National Council on Aging (prime is CMS, task order), \$300,297 (2011-2013).

Ory, Marcia G. *Statewide Evaluation of Obesity Policy Prevention Policies in Texas: Texas Safe Routes to School and Increased Healthy Food Access for WIC Clients*, The Robert Wood Johnson Foundation, \$1,001,957 (2008-2013).

Ory, Marcia G. *Texas Childhood Obesity Prevention Policy Evaluation (T-COPPE II): Statewide Evaluations of the Implementation of TX SRTS and WIC Health Food Policies*, The Robert Wood Johnson Foundation, \$150,000 (2013-2014).*

Ory, Marcia G. *Community Research Center for Senior Health*, subaward from Scott & White Health System (prime is NIH/NIA, ARRA funding), \$129,077 (2010-2013).

Ory, Marcia G. *South, West & Central Consortium-Geriatric Education Center of Texas*, subaward from The University of Texas-San Antonio (prime is HRSA), \$150,000, (2010-2015).

Ory, Marcia G. *The Central Texas Cancer Prevention and Control Research Network (CTxCPCRN)*, CDC Special Interest Project, \$1,403,650 (2009-2014) [CCHD].

Ory, Marcia G. *Impact, Sustainability & Scalability of Multi-component Falls Prevention Programs*, CDC Special Interest Project, \$1,174,608 (2011-2014) [CCHD].

Ory, Marcia G. *The Policies, Programs, and Partners for Falls Prevention (PPFP)*, CDC Special Interest Project, \$799,982 (2012-2014) [CCHD].

Ory, Marcia G. *Developing Partnerships for Delivering Evidence-Based Self-Management Programs*, The Wellcare Foundation, \$100,000 (2012-2013).

Ory, Marcia G. *Texercise: Evaluating Its Reach and Effectiveness*, Texas Department of Aging and Disability Services (TDADS), \$196,219 (2012-2013).

Ory, Marcia G. *Increasing Reach and Implementation of Evidence-Based Programs for Cancer Control (PRO)*, subaward from UTHSC Houston (prime is NIH/NCI), \$27,000 (2012-2013).

Ory, Marcia G. *Dissemination of Fit & Strong in the Brazos Valley*, Brazos Valley Council of Governments (BVCOG), \$13,541 (2012-2013).

Ory, Marcia G. *Evidence Based Training and Exercise Services to Seniors in the Brazos Valley*, St. Joseph Health System, \$15,000 (2012-2013).

Ory, Marcia G. *Brazos Valley Area Agency on Aging Evidence Based Programs for Seniors*, Brazos Valley Council of Governments Area Agency on Aging, \$37,000 (2013-2018).*

Pickens, Adam. *Anti-Fatigue Mat Study*, Let's Gel, Inc., \$24,964 (2012-2013).

Phillips, Charles D. *Nursing Care Assessment Form Project*, Texas Health and Human Services Commission (TXHHSC), \$927,278 (2010-2014).

Phillips, Charles D. *Preventing/Managing C.diff for Nursing Homes Residents, Admissions, and Discharges*, AHRQ, \$1,378,315 (2010-2013).

Quiram, Barbara. *Training & Education Collaborative System - Preparedness and Emergency Response Learning Center (TECS PERLC)*, CDC, \$2.2M (2010-2015) [USA].

Quiram, Barbara. *Texas Public Health Training Center*, 5 year renewal, The University of Texas Health Science Center School of Public Health, subaward from UTHSC Houston (prime is HRSA), \$655,938 (2010-2015).

Quiram, Barbara. *Region 6/5S Hazard Risk Assessment*, Texas Department of State Health Services, \$71,917 (2012-2013) [USA].

Quiram, Barbara. *H-RAMP: Hazard Risk Assessment and Mitigation Plans*, Texas Department of State Health Services (DSHS), \$492,581 (2012-2013) [USA].

Quiram, Barbara. *Facility Preparedness Response Survey*, Texas Department of State Health Services (DSHS), \$532,353 (2013) [USA].*

Radcliff, Tiffany and Côté, Murray. *Rerouting Non-Emergency Patients from the Emergency Department (ED) to a Rural Health Clinic (RHC) within East Texas Medical Center Regional Health System (ETMC)*, ETMC, \$150,000, (2012-2014) [CHOT].

Radcliff, Tiffany. *Rural Lifestyle Intervention Treatment Effectiveness Trial (Rural LITE)*, subaward from the University of Florida, (prime is NIH) \$33,841, (2010-2013).

Radcliff, Tiffany. *Rural Lifestyle Eating and Activity Program (Rural LEAP)*, subaward from the University of Florida, (prime is NIH) \$33,841, (2013-2018).*

Radcliff, Tiffany. *VEMEC IPA: VA Emergency Management and Evaluation Center Interagency Personnel Agreement*, U.S. Department of Veteran's Affairs, \$96,489 (2011-2014).

Rene, Antonio. *University Affiliation for Principles of Military Preventative Medicine Program of Instruction*, DOD-Army-U.S. Medcom-center for Health Care Contracting, \$329,833 (2008-2013).

Rene, Antonio. *Renewal University Affiliation for Principles of Military Preventative Medicine Program of Instruction*, DOD-Army-U.S. Medcom-center for Health Care Contracting, \$693,393 (2013-2018).*

Sharkey, Joseph R. *Texas Healthy Aging Research Network (TxHAN)*, CDC Special Interest Project, \$380,000, (2009-2014) [CCHD].

Sharkey, Joseph R. *Texas Nutrition and Obesity Policy Research and Evaluation Network (TxNOPREN)*, CDC Special Interest Project, \$327,140 (2009-2013) [CCHD].

Sharkey, Joseph R. *Texas Nutrition and Obesity Policy Research and Evaluation Network (TxNOPREN)*, CDC Special Interest Project Renewal, \$139,594 (2012-2014) [CCHD].*



(Grants/contracts continued)

Sharkey, Joseph R. Prevention Research Center (Center PI: McLeroy) Core Research Project-Working with Rural and Underserved Communities to Promote a Healthy Food Environment: Mixed Methods Approach, CDC, \$1,411,257 (2009-2014) [CCHD].

Sharkey, Joseph R. Understanding Very Low Food Security among Children of Mexican Origin: The Circumstances of Mexican Origin Families in Texas, University of Kentucky Center for Poverty Research (prime is USDA), \$100,000 (2012-2014).

Sharkey, Joseph R. Increasing Food Security Among Mexican-Origin Seniors in Texas Border Colonias: Promotoras as Agents of Change in Southwestern Texas, The AARP Foundation, \$268,974 (2012-2013).

Sharkey, Joseph R. REACH: Building Healthier Progreso Colonias, Hidalgo Medical Services, \$232,155 (2013-2014).*

Sharkey, Joseph R. Physical Activity of Mexican-Origin Mothers and Children in Forgotten Border Colonias: A Community-Based Participatory Approach to Understanding the Landscape, Baylor University, \$15,650 (2013-2014).*

Shipp, Eva. ARRA: Community-Academic Linkages to Build a National Network of Farmworker Research, subaward from UTHSC Houston (prime is NIH), \$37,519 (2012-2013).

Shipp, Eva. Neuromotor Function and Work Injury Risk among Hispanic Adolescent Farmworkers (a.k.a. The HIP Project). The Southwest Center for Agricultural Health Injury Prevention and Education at The University of Texas Health Center at Tyler (prime is NIOSH/CDC), \$724,345 (2011-2016).

St. John, Julie. ÉPICO: Education to Promote Improved Cancer Outcomes, Cancer Prevention Research Institute of Texas (CPRIT), \$487,589 (2011-2013) [CCHD].

Sweeney, Anne. Trisomy 18 Project, TAMHSC and SRPH, \$45,370 (2011-2013).

Wells, Rebecca and Wendel, Monica. Evaluation of Texas 1115 Medicaid Transformation Waiver, Texas Health and Human Services Commission, \$2,400,000 (2013-2017).*

Wells, Rebecca Treatment Access for Families: An Application of QCA and Regression Techniques, subaward from UCLA (prime is NIH/NIDA), \$21,868 (2013-2014).*

Wendel, Monica and Clark, Heather. Evaluation of the Shellbrook Intervention, Aids Foundation of Houston, \$120,178 (2011-2014) [CCHD].

Wendel, Monica. Evaluation of the Madison Outreach and Services through Telehealth Network, Madison County Government, \$112,599 (2012-2015) [CCHD].

Wendel, Monica. 2013 Central Texas HIV Client Needs Assessment, Brazos Valley Council of Governments (BVCOG), \$35,000 (2011-2014) [CCHD].

Wendel, Monica. Using a Community Health Development Approach to Increase Access to Opportunities for Physical Activity (Prevention Research Center Core Research Project #2), CDC, \$309,717 (2011-2014) [CCHD].

Zhao, Hongwei. A Unified Approach of Cost-Effectiveness Analysis, subaward from University of California Davis (prime is NIH), \$249,686 (2009-2013).

Projects Key:

* Denotes newly awarded in CY2013.

[] Denotes Center affiliated projects

[CCHD] = Center for Community Health Development

[CHOT] = Center for Health Organization Transformation

[ERGC] = The Ergonomics Center

[SRHRC] = Southwest Rural Health Research Center

[USA] = USA Center for Rural Public Health Preparedness

PUBLICATIONS CY2013*

(1) Adepoju OE*, **Bolin JN, Ohsfeldt RL, Phillips CD, Zhao H, Ory MG**, Forjuoh SN. Can Chronic Disease Management Programs for Patients with Type 2 Diabetes Reduce Productivity-Related Indirect Costs of the Disease? Evidence from a Randomized Controlled Trial. *Population Health Management* 2013 Oct 23.

(2) Ahn S, Basu R, Smith ML, **Jiang L**, Lorig K, Whitelaw N, **Ory MG**. The impact of chronic disease self-management programs: healthcare savings through a community-based intervention. *BMC Public Health* 2013 Dec 6;13(1):1141-2458-13-1141.

(3) Ahn S, Smith ML, Cho J, Bailey JE, **Ory MG**. Hypertension Awareness and Associated Factors among Older Chinese Adults. *Frontiers in Public Health* 2013 Dec 6;1:67.

(4) **Alexander J, Helduser J**, Kinkler N*, Wiggins M. *First in East Texas: the history and legacy of the East Texas Medical Center Regional Healthcare System*. Tyler, TX: East Texas Medical Center Regional Healthcare System; 2013.

(5) Appiah B*, **Hong Y, Ory MG, Helduser JW**, Begaye D, **Bolin JN**, Forjuoh SN. Challenges and opportunities for implementing diabetes self-management guidelines. *Journal of the American Board of Family Medicine* 2013 Jan-Feb;26(1):90-92.

(6) Beaudoin CE, **Wendel ML**, Drake KA. Study of Individual-Level Social Capital and Health Outcomes: Testing for Variance between Rural and Urban Respondents. *Rural Sociology* 2013.

(7) **Benden M**. Childhood Obesity, Are we doing all that we can to reverse the trend? *SEEN* 2013;15(1).

(8) **Benden M**, Smith ML. *Student Drop-off and Pick-Up Safety*. In: Wiley DC, Cory AC, editors. *Encyclopedia of School Health*. Vol. 16 ed. Thousand Oaks, CA: SAGE Publications; 2013. p. 626-628.

(9) **Benden M, Pickens A, Shipp E**, Perry J, Schneider D*. Evaluating a school based childhood obesity intervention for posture and comfort. *Health* 2013;5:54.

(10) **Bolin JN, Ory MG, Wilson AD**, Salge L. Diabetes education kiosks in a latino community. *The Diabetes Educator* 2013 Mar-Apr;39(2):204-212.

(11) Brega AG, Pratte KA, **Jiang L**, Mitchell CM, Stotz SA, Loudhawk-Hedgepeth C, Morse BD, Noe T, Moore KR, Beals J. Impact of targeted health promotion on cardiovascular knowledge among American Indians and Alaska Natives. *Health Education Research* 2013 Jun;28(3):437-449.

(12) **Brender JD**, Weyer PJ, Romitti PA, Mohanty BP, Shinde MU*, Vuong AM*, **Sharkey JR**, Dwivedi D, **Horel SA**, Kantamneni J, Huber JC, Jr, **Zheng Q**, Werler MM, Kelley KE, Griesenbeck JS, Zhan FB, Langlois PH, Suarez L, Canfield MA, National Birth Defects Prevention Study. Prenatal nitrate intake from drinking water and selected birth defects in offspring of participants in the national birth defects prevention study. *Environmental Health Perspectives* 2013 Sep;121(9):1083-1089.

(13) Brooks JM, **Ohsfeldt RL**. Squeezing the balloon: propensity scores and unmeasured covariate balance. *Health Services Research* 2013 Aug;48(4):1487-1507.

(14) Brossart DF, **Wendel ML**, Elliott TR, Cook HE, Castillo LG, **Burdine JN**. Assessing Depression in Rural Communities. *Journal of Clinical Psychology* 2013;69(3):252-263.

(15) Castilla T, Cho J, Smith ML, Hochhalter AK, **Ory MG**. Barriers to health care among bell county residents with health insurance medical aid. *Texas Medicine* 2013 Aug 1;109(8):e1.

(16) Chen S, **Zhao H**. Estimating incremental cost-effectiveness ratios and their confidence intervals with different terminating events for survival time and costs. *Biostatistics* 2013 Jul;14(3):422-432.

(17) Chen S, **Zhao H**. Generalized Redistribute-to-the-Right Algorithm: Application to the Analysis of Censored Cost Data. *Journal of Statistical Theory and Practice* 2013 01/01; 2014/01;7(2):304-323.

(18) Chen W, **Hong Y**, Zou X, McLaughlin MM, Xia Y, Ling L. Effectiveness of prize-based contingency management in a methadone maintenance program in China. *Drug and Alcohol Dependence* 2013 Nov 1;133(1):270-274.

(19) Chuang E, **Wells R**, Belletiere J, Cross TP. Identifying the substance abuse treatment needs of caregivers involved with child welfare. *Journal of Substance Abuse Treatment* 2013 Jul;45(1):118-125.

(20) Chuang E, **Wells R, Alexander J**, Green S. How outpatient substance abuse treatment unit director activities may affect provision of community outreach services. *Drugs: Education, Prevention, and Policy* 2013 04/01; 2014/01;20(2):149-159.

(21) Dahlke D* and **Han D**. Healthcare Apps with Maps: A Review of Current Apps and Emerging Trends. Urban and Regional Information Systems Association GIS in Public Health; 2013.

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