



Informing the **Public** & Guiding **Policy** by **Conducting** Research

2012-2013 Annual Report

Public Policy Center Annual Report Highlights

ACADEMIC YEAR 2012-2013

During the 2012-2013 academic year, the Public Policy Center (PPC) continued its efforts to engage both the university and local community with many events as part of the Forkenbrock Series on Public Policy and co-sponsored many other events in collaboration with institutions and organizations both on- and off-campus. Researchers from all program areas were busy conducting research, authoring publications, delivering presentations, applying for funding and receiving grants, and mentoring graduate students. PPC faculty and staff also began to look toward the future, with the 25th anniversary approaching, and established an interdisciplinary committee to develop ideas and organize events in honor of the PPC's 25th anniversary celebration during academic year 2013-2014.

- The research programs of the PPC received **45** grants totaling **\$10,019,879**.
- In addition, **23** grants and **\$21,441,876** in grant funds are pending and soon to be awarded.
- Over **160** journal articles, reports, presentations, proceedings, articles and blog posts were published or delivered, including:
 - 77 journal articles
 - 10 reports
 - 47 presentations
 - 35 articles and blog posts.
- The Health Program released the results of the **2010 Iowa Child and Family Household Health Survey (IHHS)** - a collaborative effort of the Iowa Department of Public Health, the PPC, and the Iowa Child Health Specialty Clinics.
- The Housing and Land Use Program received a grant from the Iowa Department of Justice, Attorney General's Office, to make Iowa's foreclosure data from 2006-2015 available online and developed the **Iowa Foreclosure Events Trend Map**.
- The Human Factors and Vehicle Safety Program organized a major international conference, **7th International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design**
- Social Science Program researcher Frederick Boehmke and colleague Paul Skinner developed a **database of policies adopted between 1912 and 2009** to determine which states are the most and least innovative across the country. The results of the study, **Which States are Most Innovative?** were published in the **Pew Stateline**.
- **Anthony Paik**, Associate Professor of Sociology, took over the role of Director of the Social Science Program.
- Transportation Program researcher Hosin "David" Lee worked on recycling parts of old pavement to make new pavement (up to 50% recycled material) in his project, **Investigation of Synergistic Effects of Warm Mix Asphalt and High Fractionated Reclaimed Asphalt Pavement for Safe, Environmentally Sustainable Highway**, with the Mid-America Transportation Center.
- Environmental Program researcher Scott Spak continued to collect data and conduct research for the **Johnson County Air Quality Study**, which will provide the Johnson County Board of Public Health with information on how to improve the area's air quality for future generations.
- The Iowa Social Science Research Center (ISRC) helped to submit **55** grant proposals for a total of **\$7,433,246** in funding (15 funded for \$2,044,161 and 14 still pending).
- The ISRC also fielded **14** new surveys or research-based initiatives.
- The ISRC hired two new project managers to provide oversight for data collection services and facilitate social science research on campus.
- The Forkenbrock Series on Public Policy convened a **national symposium** to commemorate the anniversary of the 2008 flood and discuss implications for the future, **"Five Years Out: Ongoing Impacts & Challenges of the 2008 Floods,"** in Cedar Rapids, Iowa.
- The PPC organized the second annual **Legislative Brown Bag Lunch and Learn Series**, bringing nine University of Iowa faculty to the Iowa State Capitol to share their expertise with Iowa legislators on four critical issues relevant to the spring session.
- The PPC organized **13** events, including symposia, lectures, and a film screening, as part of the Forkenbrock Series on Public Policy, and co-sponsored many other events throughout the academic year.
- The PPC hired a new **Community Engagement Coordinator** to expand the PPC's outreach and engagement mission and to manage these events.

Health Policy Research Program

Journal Articles

- Kuthy, Raymond A., Bhagyashree Pendharkar, Elizabeth T. Momany, Michael P. Jones, Natoshia M. Askelson, Donald L. Chi, George L. Wehby, and Peter C. Damiano. 2013. "Factors Affecting Age At First Dental Exam For Medicaid-Enrolled Children Seen At Federally Qualified Health Centers," *Pediatric Dentistry*, pp. 100-106.
- Kuthy, Raymond A., Adrienne D. Jennings, Michelle R. McQuistan, Teresa A. Marshall, and Fang Qian. 2013. "Influence Of Minor Children And Contribution To Household Income On Work Hours Of Female Dentists," *Journal of Public Health Dentistry*, n/a - n/a. doi:10.1111/jphd.12022.
- Campo, Shelly, Natoshia M. Askelson, Erica L. Spies, Christie Boxer, Kristina Scharp, and Mary E. Losch. 2013. "'Wow, That Was Funny': The Value of Exposure and Humor in Fostering Campaign Message Sharing," *Social Marketing Quarterly*. doi:10.1177/1524500413483456.
- Kuthy, Raymond A., Golnaz Kavand, Elizabeth T. Momany, Michael P. Jones, Natoshia M. Askelson, Donald L. Chi, George L. Wehby, and Peter C. Damiano. 2013. "Periodicity Of Dental Recall Visits For Young Children First Seen In Community Health Centers," *Journal of Public Health Dentistry*, n/a - n/a. doi:10.1111/jphd.12018.
- Chi, Donald L., Elizabeth T. Momany, Michael P. Jones, Raymond A. Kuthy, Natoshia M. Askelson, George L. Wehby, and Peter C. Damiano. 2013. "Relationship Between Medical Well Baby Visits and First Dental Examinations for Young Children in Medicaid," *Am J Public Health*, Vol. 103, No. 2, pp. 347-354. doi:10.2105/AJPH.2012.300899.
- McKernan, Susan C., Raymond A. Kuthy, Elizabeth T. Momany, Michelle R. McQuistan, Paul F. Hanley, Michael P. Jones, and Peter C. Damiano. 2013. "Geographic Accessibility and Utilization of Orthodontic Services Among Medicaid Children and Adolescents," *Journal of Public Health Dentistry*. doi:10.1111/jphd.12006.
- Chi, Donald L., Elizabeth T. Momany, Michael P. Jones, Raymond A. Kuthy, and Peter C. Damiano. 2012. "Timing of First Dental Checkup for Newly Medicaid-Enrolled Children with an Intellectual or Developmental Disability," *Intellect Dev Disabil*, Vol. 50, No. 1, pp. 2-15. doi:10.1352/1934-9556-50.1.2.
- McKernan, Susan C., Raymond A. Kuthy, and Adweta Joshi. 2012. "Primary Care Providers and Practice Locations: Examining the Relationships," *J Am Dent Assoc*, Vol. 143, No. 5, pp. e8-15.
- Askelson, Natoshia M., Donald L. Chi, Elizabeth T. Momany, Raymond A. Kuthy, Cristina Ortiz, Jessica D. Hanson, and Peter C. Damiano. 2012. "Encouraging Early Preventive Dental Visits for Preschool-Aged Children Enrolled in Medicaid: Using the Extended Parallel Process Model to Conduct Formative Research," *J Public Health Dent*. doi:10.1111/j.1752-7325.2012.00369.x.
- Bhagavatula, Pradeep, Qun Xiang, Aniko Szabo, Fredrick Eichmiller, Raymond A. Kuthy, and Christopher E. Okunseri. 2012. "Rural-Urban Differences in Dental Service Use Among Children Enrolled in a Private Dental Insurance Plan in Wisconsin: Analysis of Administrative Data," *BMC Oral Health*, Vol. 12, No. 1, pp. 58. doi:10.1186/1472-6831-12-58.
- Bentler SE, Morgan RO, Virnig BA, Wolinsky FD. Evaluation of a patient-reported continuity of care model for older adults. *Quality of Life Research*, 2013, (DOI) 10.1007/s11136-013-0472-z
- Chong K, Damiano PC, Hays RD. Psychometric Performance of the Consumer

Assessment of Healthcare Providers and Systems (CAHPS®) 4.0 Adult Health Plan Survey. *Primary Health Care:Open Access*. 2:4, ISSN: 2167-1079 PHCOA. Available at: <http://dx.doi.org/10.4172/2167-1079.1000123>

Kim J, Damiano PC, Hand J, Denehy GE, Cobb DS, Qian F. Consumers' Choice of Dentist: How and Why People Choose Dental School Faculty as their Dentist. *Journal of Dental Education*. 76(6) 695-704. 2012.

Valencia A, Damiano PC, Qian F, Warren JJ, Weber-Gasparoni K, and Jones MP. Racial and Ethnic Disparities in Utilization of Dental Services Among Children in Iowa: The Latino Experience. *Am J Public Health*. 2012;102:2352–2359. doi:10.2105).

Chi D, Momany E, Neff J, Jones M, Warren J, Slayton R, Weber-Gasparoni K, Damiano P. Impact of Chronic Condition Status and Severity on Dental Utilization for Iowa Medicaid-Enrolled Children. *Medical Care*. In Press.

Yousef YA, Damiano PC, Weber-Gasparoni K, Nothwehr F, Murph J, Qian F. Medical Student's Child Oral Health-Related Knowledge, Practices and Attitudes. *European Journal of Dental Education*. In Press.

Wehby G L, Tyler MC, Lindgren S, Romitti PA, Damiano PC. Oral Clefts and Behavioral Health of Young Children. *Oral Diseases*. In Press.

Kateeb E, Warren J, Momany ET, Damiano, PC, Kanellis MJ, Weber-Gasparoni K, Ansley TN. Atraumatic Restorative Treatment in Pediatric Dentistry Residency Programs: A Survey of Program Directors" Submitted to *Ped Dent*, February 2012. In Press.

Askelson, N. M., Chi, D. L., Momany, E. T., Kuthy, R. A., Carter, K. D., Field, K., Damiano, P. C. The importance of efficacy: Using the Extended Parallel Process Model to examine factors related to preschool-age children enrolled in Medicaid receiving preventive dental visits. Submitted to *Health Education & Behavior*. Under review.

Askelson, Natoshia; Chi, Donald; Hanson, Jessica; Ortiz, Cristina; Momany, Elizabeth; Kuthy, Raymond; Damiano, Peter. Perceptions and experiences of dental care among parents of preschool-aged children enrolled in Medicaid " Submitted to the *Journal of Special Care Dentistry*. Under review.

Kateeb E, Warren J, G Gaeth, Damiano, PC, Momany ET, Kanellis MJ, Weber-Gasparoni K, Ansley TN. "The willingness of US pediatric dentists to use Atraumatic Restorative Treatment (ART) with their patients: A conjoint Analysis" Submitted to *Journal of Public Health Dentistry*, June 2013. Under review.

McKernan S; Kuthy R; Momany E; McQuistan M; Hanley P; Jones M; Damiano P. Service areas for primary dental care in Medicaid-enrolled children and adolescents. Submitted to *American Journal of Public Health*. Under review.

Kateeb E, Warren J, Momany, ET, Damiano, PC, Kanellis MJ, Weber-Gasparoni K, Ansley TN. "The willingness of US pediatric dentists to use Atraumatic Restorative Treatment (ART) with their patients: A conjoint Analysis ". Submitted to *Community Dentistry and Oral Epidemiology*, September 2012. Under review.

Kuthy RA, Bhagyashree Pendharkar, BDS, MS, Momany ET, Jones M, Askelson NM, Chi DL, Wehby GL, Damiano PC. Time until first dental caries for young children first seen in community health centers. Submitted to *Caries Research*, Nov, 2012. Under review.

Chi DL, Momany ET, Kuthy RA, Jones M, Kuthy RA, Askelson NM, Wehby GL, Damiano PC. An Explanatory Model of Factors Related to Well Baby Visits by Age Three Years for Medicaid-Enrolled Infants: A Retrospective Cohort Study. Submitted to *BMC Pediatrics*, May 2013..

McKernan SC, Kuthy RA, Kavand G. General dentist characteristics associated with rural practice location. *J Rural Health* 2013;29:s89-s95.. Doi: 10.1111/jrh.12004.

Bentler SE, Morgan RO, Virnig BA, Wolinsky FD. Do claims-based continuity of care measures reflect the patient perspective? *Medical Care Research and Review*, in press.

Mastin, T., Campo, S., & Askelson, N. M. (2012). African American women and weight loss: Disregarding environmental challenges. *Journal of Transcultural Nursing*, 23(1), 38-45.

Campo, S., Askelson, N. M., Spies, E. L., & Losch, M. (2012). Ambivalence, communication, and past use: Understanding what influences women's decisions to use contraceptives. *Psychology, Health & Medicine*, 17(3), 356-365.

Askelson, N. M., Campo, S., & Smith, S. (2012). Mothers talking about sex: The importance of parenting style. *Health Communication*, 27(5), 439-448.

Campo, S., Askelson, N. M., Carter, K. D., & Losch, M. E. (2012). Segmenting audiences and tailoring messages: Using the Extended Parallel Process Model and cluster analysis to improve health campaign. *Social Marketing Quarterly*, 18(2), 98-111.

Chi, D. L., Momany, E. T., Jones, M. P., Kuthy, R. A., Askelson, N. M., Wehby, G., Damiano, P. C. (2013). Relationship between well baby visits and first dental examinations for young children in Medicaid. *American Journal of Public Health*, 103, 347-354.

Askelson, N. M., Chi, D. L., Hanson, J. D., Ortiz, C., Momany, E. T., Kuthy, R. A., Damiano, P. C. A qualitative examination of factors which influence mothers' preventive dental care seeking for their preschool-aged children enrolled in Medicaid. In press. *Journal of Theory and Practice of Dental Public Health*.

Chi, D, Momany, E, Neff, J, Jones, M P, Kuthy, R, Damiano, P. (2012) Timing of first dental recall check-up for newly Medicaid-enrolled children with an intellectual or developmental disability. *Intellectual and Developmental Disabilities*, 50(1), 2-25.

Wolinsky, F, Vander Weg, M W, Howren, M B, Jones, M P, Dotson, M M. (2013) Randomized controlled trial of cognitive training using a visual speed of processing intervention in middle aged and older adults. *PLoS One*, 8(5), 1-11 e61624. PMC: PMC3641082, PMID: 23650501

McKernan, S, Kuthy, R A, Momany, E T, Hanley, P F, McQuistan, M R, Jones, M P, Damiano, P C. (2012) Service areas for primary dental care in Medicaid-enrolled children and adolescents. *American Journal of Public Health*. (Submitted)

Kuthy, R A, Jones, M P, Kavand, G, Momany, E T, Askelson, N M, Chi, D L, Wehby, G L, Damiano, P C. (2013) Time until first dental caries for young children first seen in community health centers. *Caries Research*. (Submitted)

Reports

Damiano, Peter C., Ki H. Park, and Jean C. Willard. 2013. *Health Insurance Coverage of Children in Iowa: An Overview of the 2010 Iowa Child and Family Household Health Survey*.

Damiano, Peter C., Suzanne E. Bentler, Elizabeth T. Momany, Ki H. Park, and Erin Robinson. 2013. *Evaluation of the IowaCare Program: Information about the Medical Home Expansion*. Iowa City, IA.

Askelson, N.M., E. Golembiewski, and D. Eichert. 2013. *Iowa Parent School Lunch Survey: Formative research for communication about school meal pattern changes*. Iowa City, IA.

Damiano, Peter C., Jean C. Willard, and Ki H. Park. 2012. *The 2010 IHHS - Oral Health in Children in Iowa*. Iowa City, IA.

Willard, Jean C., Peter C. Damiano, and Ki H. Park. 2012. *The 2010 IHHS - Adolescent Health in Iowa Brief*. Iowa City, IA.

Willard, Jean C., Peter C. Damiano, and Ki H. Park. 2012. *The 2010 Iowa Child and Family Household Health Survey - Home Visiting Report*. Iowa City, IA.

Askelson, N. M., Golembiewski, E., & Elchert, D. (2013). *Iowa parent school lunch survey: Formative research for communication about school meal pattern changes*. Report to Iowa Department of Education.

Momany, ET, Schartz, HG, Nguyen, PH, Carter, KD, Strong AM. *Costs of Care: Medicaid for Employed People with Disabilities*. Report to Iowa Department of Human Services. December 2012.

Momany, ET, Carter, KD. *Iowa Family Planning Demonstration Evaluation Second Waiver Period*. Report to the Iowa Department of Human Services, June 2013.

Momany, ET, Damiano, PC, Carter, KD. *Outcomes of care for Iowa Medicaid enrollees, State Fiscal Year 2012*. Report to the Iowa Department of Human Service, June 2013.

Abstracts

Park K, Campo S, Skinstad AH, Damiano PC, Steuber K, Lutz G. An analysis of gambling treatment completion among problem gamblers: An ecological approach. Submitted to the American Public Health Association Annual Meeting, Boston, MA. Nov 2013.

Askelson NM, Chi DL, Momany ET, Kuthy RA, Hanson J, Ortiz C, Damiano PC. Health communication interventions to increase early preventive dental visits for preschool-age children enrolled in Medicaid: A formative research perspective. Submitted to the American Public Health Association Annual Meeting, San Francisco, CA. Nov 2012.

Askelson NM, Chi DL, Momany ET, Kuthy RA, Hanson J, Ortiz C, Damiano PC. Health communication interventions to increase early preventive dental visits for preschool-age children enrolled in Medicaid: A formative research perspective. Submitted to the American Public Health Association Annual Meeting, San Francisco, CA. Nov 2012.

Mertz E, Damiano PC, Clark D, Okunseri C. Dental Health Services Research: Critical Issues, Methodology, & Sustainability". Accepted for the IADR/AADR Annual Session, Seattle WA. March 2013.

D. Hoyle, P. Ryan, J. Hand, G. Schneider, P. Damiano. The Development of the Office of Iowa Practice Opportunities Program. ADEA Annual Session. Seattle WA. March 2013.

Askelson NM, Chi DL, Momany ET, Kuthy RA, Hanson J, Ortiz C, Damiano PC. Health communication interventions to increase early preventive dental visits for preschool-age children enrolled in Medicaid: a formative research perspective. American Public Health Association. October 2012. San Francisco, CA.

Chi DL, Jones MP, Momany ET, Wehby GL, Kuthy RA, Askelson NM, Damiano PC. Determinants of well-baby visits in the first 36 months of life for Medicaid-enrolled infants: an explanatory model. Society for Research in Child Development. April 2013. Seattle, WA

Kuthy RA, McKernan SC, Kavand G. Iowa general dentists' likelihood to have a rural practice, 2010. IADR. March 2013. Seattle, WA.

Kuthy RA, McKernan SC, Kavand G. Iowa general dentists' likelihood to have a rural practice, 2010. Iowa Governor's Conference on Public Health. April 2013. Ames, IA.

McKernan SC, Kuthy RA, Momany ET, McQuistan MR, Hanley P, Jones MP, Damiano PC. Geographic accessibility and utilization of orthodontic services among Medicaid

children. National Oral Health Conference. May 2013. Huntsville, AL

Singhal A, Buresh C, Caplan D, Jones M, Kuthy R, Momany E, Damiano P. Emergency department visits for children's health care: role of medical home and health professionals' referrals. National Oral Health Conference. May 2013. Huntsville, AL

Wehby G, Jones M, Momany E, Chi DL, Kuthy R, Carter K, Damiano P. Returns of early dental health prevention: the case of comprehensive oral evaluation. American Public Health Association. October 2012. San Francisco, CA.

Research Monographs/Policy Briefs

Damiano PC, Willard JC, Park K, Carter KD (2012). Statewide results for the 2010 *Iowa Child and Family Household Health Survey*. Final report to the Iowa Department of Public Health, April.

Willard JC, Damiano PC, Park K (2012). *Adolescent Health in Iowa: Results from the 2010 Iowa Child and Family Household Health Survey*. Final report to the Iowa Department of Public Health, September.

Willard JC, Damiano PC, Park K (2012). *The Maternal, Infant, Early Childhood Home Visiting Program: Results from the 2010 Iowa Child and Family Household Health Survey*. Final report to the Iowa Department of Public Health, September.

Willard JC, Damiano PC, Park K (2012). *Early childhood results for children ages 0–5 years: Results from the 2010 Iowa Child and Family Household Health Survey*. Final report to the Iowa Department of Public Health, September.

Damiano PC, Willard JC, Park K (2012). *Oral Health and Children in Iowa: Results for the 2010 Iowa Child and Family Household Health Survey*. Final report to the Iowa Department of Public Health, December.

Momany ET, Carter KD, Damiano PC. (2012). *Policy Report July 2012: Outcomes of the IowaCare Program*. Final report to the Iowa Department of Human Services, November.

Iowa Household Health Survey Webinars related to release of reports:

Statewide report-September 2012

Oral Health-January 2013.

Presentations

Damiano, P.C. "Use of State Population Health Survey Data to Inform Health Care Coverage Policy." Panel presentation at the 2013 AcademyHealth State Health Research and Policy Interest Group Meeting. Baltimore, MD (June 22, 2013).

Damiano, P.C. Roundtable discussion on oral health disparities to help develop the 2014-2019 Strategic Plan for the National Institutes for Dental and Craniofacial Research. (June 2013).

Damiano, P.C. Television appearance to discuss the recent Supreme Court decision on the Affordable Care Act. "Ethical Perspectives on the News" (April 7, 2013).

Damiano, P.C. "Ethical Considerations in the Health Care Debate." Geneva Campus Ministry lunch forum (October 12, 2012).

Damiano, P.C. Panel discussion on Medicare, Medicaid and health care laws at Coe College for the American Association of University Women (October 1, 2012).

Damiano, P.C. Television appearance with Tim Charles, President and CEO of Mercy Medical Center, and Gary Sinard, member of the Executive Committee of the



Libertarian Party to discuss Medicaid expansion in Iowa. "Ethical Perspectives on the News" (September 16, 2012).

Damiano, P.C. Radio appearance on the 2010 Iowa Household Health Survey. "Talk of Iowa" (August 21, 2012).

Damiano, P.C. Television appearance with University of Iowa Law School professor Todd Pettys and Iowa District House of Representatives candidate Ben Lange to discuss Patient Protection and Affordable Care Act. "Ethical Perspectives on the News" (August 12, 2012).

Damiano, P.C. Health System Change: Issues Facing Iowa and the Nation. Invited presentation to the Telligen Board of Directors, Des Moines, IA. October 2012.

Damiano, P.C. Health Care Reform and Women's Health. Invited presentation to the American Association of University Women, Cedar Rapids IA. October 2012.

Damiano P.C. After the Supreme Court's Ruling on Health Care Reform: where do we go from here? Invited presentation at the American Dental Education Annual Session, Seattle WA. May 2013.

Invited participant: strategic planning session regarding Health Disparities at the National Institute for Dental and Craniofacial Research, National Institutes of Health. Bethesda, MD. June 2013.

Effect of a Medicaid Buy-In Program on Health Care Service Use and Cost: the Iowa MEPS Evaluation. Momany, ET, Schartz, HG, Nguyen, PH, Carter, KD, Strong, AM. Association of University Centers on Disability Conference. December 4, 2012.

Other invited Health Care Reform-related presentations:

Ethics and Affordable Care Act. Ethical Considerations in the News. KCRG TV News program, August 2012.

Cedar Rapids Daybreak Rotary Club. Cedar Rapids IA. August 2012.

UI Center for Disabilities and Development. January 2013.

UIHC Department of Urology. March 2013.

Iowa Legislature as part of Legislative Lunch and Learn Series, March, 2013.

Ethics and Health Care Costs. Ethical Considerations in the News. KCRG TV News program, April 2013.

Marshalltown Community College. April 2013.

UIHC Department of Neurosurgery, May 2013.

Mt Vernon Rotary. May 2013.

Latino Cancer Summit. UI College of Public Health, May 2013.

Political Science State Policy Interest Group Meeting, May 2013.

Kohler, C., Campo, S., Askelson, N.M. (August 2012). Community Interactions in An Entertainment Education Radio Program: Results of a Content Analysis. 2012 National Conference on Health Communication, Marketing, and Media, Atlanta, Georgia.

Campo, S. Askelson, N. M., Spies, E. L., Losch, M. E. (August 2012). Creating Interpersonal Communication: The Value of Humor In a Surround Campaign Strategy. Poster at 2012 National Conference on Health Communication, Marketing, and Media,

Atlanta, Georgia.

Campo, S. Askelson, N. M., Spies, E. L., Losch, M. E. (August 2012). Behind the Feathers: Evaluation of until You're Ready, Avoidthestork.Com®, a Surround Campaign to Prevent Adult Unintended Pregnancy. 2012 National Conference on Health Communication, Marketing, and Media, Atlanta, Georgia.

Kohler, C., Campo, S. & Askelson, N. M. (October 2012). The use of radio dramas to prevent unintended pregnancies in Latina and African American women. American Public Health Association, San Francisco, California.

Askelson, N. M., Chi, D. L., Momany, E., Kuthy, R., Hanson, J., Ortiz, C., & Damiano, P. C. (October 2012). Health communication interventions to increase early preventive dental visits for preschool-age children enrolled in Medicaid: A formative research perspective. American Public Health Association, San Francisco, California.

Campo, S., Askelson, N. M., Spies, E. L. (October 2012). Avoiding the Stork. American Public Health Association, San Francisco, California.

Shao, C., McQuistan, M. R., Hedgcock, W. M., Polgreen, L. A., Straub-Morarend, C. L., Askelson, N. M. (February 2013). Temporal discounting, risk aversion and dental decisions. Iowa Section of the American Association of Dental Research, Iowa City, Iowa.

Losch, M. L., Roberts-Dobie, S., Aquilino, M., & Askelson, N. M. (April 2013). Iowa Initiative Research Program: One stork, one state, and five studies. 2013 Iowa Governor's Conference on Public Health, Ames, Iowa.

Funded Research

ARRA: First preventive dental visit: disparities in needs, costs + behavioral insights (U.S. Department of Health and Human Services) (Pete Damiano – Principal Investigator)	Sep 2009 - Aug 2012	\$940,370
Evaluation of the IowaCare program (Iowa Department of Human Services) (Pete Damiano – Principal Investigator)	Jul 2006 - Oct 2014	\$1,364,783
Grants to state to support oral health workforce activities: Iowa effort to improve oral health workforce T12HP14992 (Health Resources and Services Administration, DHHS) (Ray Kuthy – Principal Investigator)	Sep 2009 - Aug 2012	\$599,692
Iowa Medicaid managed care review & evaluation (Iowa Department of Human Services) (Elizabeth Momany – Principal Investigator)	Jul 2010 - Jun 2013	\$300,000
Iowa child and family household health survey (Iowa Department of Public Health) (Pete Damiano – Principal Investigator)	Jan 2011 - Dec 2013	\$241,000
Selected component of evaluation of personal responsibility education program (PREP) (Iowa Department of Public Health) (Natoshia Askelson – Principal Investigator)	Dec 2011 - Sep 2013	\$193,930
State-level strategies for improving integration and coordination within the health care safety net post-PPACA: the Iowa example (Commonwealth Fund) (Pete Damiano – Principal Investigator)	Apr 2011 - Jul 2013	\$169,766

State-level strategies for improving integration and coordination within the health care safety net post-PPACA: the Iowa example (WellMark Foundation) (Pete Damiano – Principal Investigator)	Jul 2011 - Sep 2013	\$20,000
Unintended pregnancy prevention program evaluation (UI Community & Behavioral Health) (S. Campo – Principal Investigator/Natoshia Askelson (PPC))	Nov 2011 - Dec 2012	\$33,900
Adult Medicaid Quality (Iowa Department of Public Health) (Pete Damiano – Principal Investigator)	Mar 2013 - Dec 2014	\$322,605
Children’s health insurance program reauthorization act (CHIPRA) (Iowa Department of Public Health) (Natoshia Askelson – Principal Investigator)	Jun 2012 - Aug 2013	\$178,530
State plan amendment evaluation (SPA)/Health home evaluation (Iowa Department of Human Services) (Pete Damiano – Principal Investigator)	Nov 2012 - Jun 2015	\$450,000
Team nutrition school lunch (Iowa Department of Education) (Natoshia Askelson – Principal Investigator)	Nov 2012 – Jun 2014	\$53,176
Iowa health benefits exchange consumer and business research survey (Iowa Department of Public Health) (Pete Damiano – Principal Investigator)	Sep 2012 – Oct 2013	\$70,000
Iowa family planning network evaluation reports (Iowa Department of Human Services) (Elizabeth Momany – Principal Investigator)	Mar 2013 – Jun 2015	\$60,000
Access to dental care and the oral health safety net: an assessment of the public and private delivery systems and collaborative options for improvement (DentaQuest Foundation) (Pete Damiano – Principal Investigator)	Sep 2012 – Aug 013	\$180,431

Pending Research

Coordinating and improving oral health workforce activities in Iowa (Health Resources and Services Administration, USDHHS) (Ray Kuthy – Principal Investigator)	Sep 2013 - Aug 2016	\$1,364,993
Impact of geographic barriers on dental utilization by insured children in Iowa (Delta Dental of Iowa Foundation) (Susan McKernan – Principal Investigator)	Jul 2013 – Jan 2015	\$118,547
School breakfast campaign (Iowa Department of Education) (Natoshia Askelson – Principal Investigator)	Nov 2013 – Sep 2015	\$36,622
Dental homes for Medicaid-enrolled children with autism spectrum disorders in the Iowa I-Smile program (University of Washington School of Dentistry) (Elizabeth Momany – Principal Investigator)	Jul 2013 – Jun 2014	\$14,925

Housing and Land Use Policy Research Program

Reports

Anthony, Jerry, Sally Scott & Andrea Uhl. April 2013. *Building Community and Growing the Economy: Economic Impacts of Iowa Habitat for Humanity in 2011*. Research monograph.

Anthony, Jerry, Sally Scott and Alex Sukalski. January 2013. *Iowa Foreclosure Trends Map. An interactive website for information on foreclosure trends in Iowa* (<http://ppc.uiowa.edu/housing/foreclosure>).

Scott, Sally, and Jerry Anthony. 2012. *National Mortgage Settlement*.

Presentations

Anthony, J. 2013. Quality of life challenges in megacities, prospects for meeting the Millennium Development Goals by 2015, and emerging trends in megacities. Presentation to the Linn County United Nations Association (June 27, 2013)

Other Activities

Iowa Foreclosure Data Accessible Online

The Office of the Iowa Attorney General awarded a grant to the Housing and Land Use Policy Research Program to make Iowa foreclosure data from 2007 through 2015 available online beginning December 2012.

Housing and Land Use Policy program conducted a study to measure the overall economic impact of the 35 Habitat for Humanity chapters in Iowa. The study quantified the overall economic impact of all activities of these chapters in the calendar year 2011. October - December 2012.

Funded Research

Measure the economic impact of habitat for humanity in Iowa project (Habitat for Humanity of Iowa) (Jerry Anthony – Principal Investigator)	Oct – Dec 2012	\$4,800
Fair housing study for Iowa City (City of Iowa City, IA) (Jerry Anthony – Principal Investigator)	May 2013 – Aug 2013	\$11,664
Joint state-federal mortgage servicing settlement implementation agreement between Iowa Department of Justice and UI PPC (Jerry Anthony – Principal Investigator)	Oct 2012 – Aug. 2015	\$70,200

Pending Research

Evaluating the impact of Iowa mortgage help and recommending how the program could develop when the foreclosure crisis eases (Iowa Department of Justice) (Jerry Anthony – Principal Investigator)	Sep 2013 – Jun 2015	\$129,600
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Human Factors and Vehicle Safety Research Program

Publications

- McGehee, D.V., (2013). An introduction to driver distraction metrics and methods. *Annals of Advances in Automotive Medicine*.
- Reyes, M.L., Carney, C., McGehee, D.V., (2013). Young drivers. Chapter in Human Factors in Traffic Safety. *Lawyers and Judges Publishing*.
- Engstrom, J. Monk, C., Hanowski, R. Horrey, W., Lee, J.D., McGehee, D.V., Regan, M., Stevens, A., Traube, E., Tuukkanen, M., Victor, T. (2013). A conceptual framework and taxonomy for understanding and categorizing driver inattention. US-European Commission on Driver Attention and Distraction. Gothenburg, Sweden.
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- Reyes, M.L., McGehee, D.V., Carney, C. (2013). Moving beyond teen fatalities: the Go-Team Report. Iowa DOT technical report.
- Carney, C., McGehee, D.V., Reyes, M.L.(2013). Prevalence and distribution of your driver distraction errors in naturalistic driving. Iowa DOT technical report.
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- McGehee, D.V., Hoffman, J.D., Lee, J.D., Angell, L.S. (2012). The design of in-vehicle alpha-numeric text message systems. *Society of Automotive Engineers Standard*. J-2831.
- Gross, N., McGehee, D.V., Peek-Asa, C., Nambisan, S. (2012). Review of Breath Alcohol Ignition Interlock Devices: Policy Recommendations. Iowa DOT technical report.
- Durban, D.R., McGehee, D.V., Fisher, D.L., McCartt, A. (2013). Special Considerations in Distracted Driving with Teens. *Annals of Automotive Medicine*

Presentations

- McGehee, Daniel. 2012. "Traffic Enforcement Cameras & Traffic Pet-Peeves." Radio talk show "River to River" with host Ben Kieffer. Iowa City (December 18).

McGehee, Daniel. 2012. "Distracted Driving: We're All Guilty, So What Should We Do About It?" Radio appearance on NPR's "All Tech Considered." Iowa City (November 11)

McGehee, Daniel and Scadlock, Nathan. 2012. Television appearance on KGAN on to discuss mobile app Trauma Hawk that will take photos of crashed vehicles and send them to hospital emergency personnel within 30 seconds. (October 25)

McGehee, Daniel. 2012. "Iowa App Makers" Radio talk show "River to River" with host Ben Kieffer. Iowa City (October 19)

Chrysler, S.T., Cooper, J., McGehee, D.V., Yager, C., Roe, C. (2013) Comparison of Driver Distraction Evaluations across Two Simulator Platforms and an Instrumented Vehicle. Paper accepted for presentation at 7th International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design. June 2013.

Chrysler, S.T. (2013). Human Factors Aspects of Autonomous Driving, Discussion Panel Member, SAE World Congress, Detroit, MI, April 2013.

Chrysler, S.T. (2013) Assessing Conspicuity Treatments in Driving Simulators – Challenges and Benefits. Presented in workshop HF-01 A New Look at Motorcycle Conspicuity and Motorcycle Safety Research at 92nd Annual Meeting of the Transportation Research Board, January 2013

Chrysler, S.T. and Boyle, L.N. (2013). How Do You Turn This Driving Simulator On? Tutorial for Traffic Engineering and Roadway Design Research Using Driving Simulation

Workshop presented at 92nd Annual Meeting of the Transportation Research Board, January 2013

Brewer, M.A., Fitzpatrick, K. Chrysler, S.T. (2013) Decision Tool to Define And Quantify Interchange Complexity. Paper presented at 92nd Annual Meeting of the Transportation Research Board, Paper Number 13-5219, January 2013

Nelson, A.A., Tydlacka, J., Chrysler, S.T., Voigt, A. (2013) Possible Expectancy Violations on Frontage Roads and Conventional Roads at Interchanges and Lane Assignment Traffic Control Device Solutions Paper presented at 92nd Annual Meeting of the Transportation Research Board, Paper Number 13-4303, January 2013

Fitzpatrick, K. Chrysler, S.T., Nelson, A.A. and Iragavarapu, V. (2013) Driving Simulator Study of Signing for Complex Interchanges. Paper presented at 92nd Annual Meeting of the Transportation Research Board, Paper Number 13-1682, January 2013

Other Activities

Rizzo, Matthew. 2012. "In-Vehicle Technology and Older Drivers" Study with Toyota Collaborative Safety Research Center (CSRC) in a study that looks at how older drivers interact with in-vehicle technology. The three-year study will use the SIREN driving simulator housed at the UI Hospitals and Clinics to explore whether ADAS can help mitigate the decline in attention, cognitive skill and reaction time that occur naturally with age.

Funded Research

Activity 2: Distraction metrics refinement; Activity 3: predictive DVI evaluation tool development (Connected Vehicle) (Westat, U.S. Department of Transportation, National Highway Traffic Safety Administration) (Daniel V. McGehee and Susan Chrysler – Principal Investigators)	Sep 2011- Sep 2013	\$741,139
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Evaluation monitoring and alerting technologies for teen drivers (Non-video) (Westat, U.S. Department of Transportation, National Highway Traffic Safety Administration) (Daniel V. McGehee – Principal Investigator)	Sep 2011- Mar 2014	\$398,754
An in-vehicle video monitoring and feedback intervention to improve teen driving: a randomized controlled trial to improve teen driving (U.S. Department of Health and Human Services) (Corinne Peek-Asa/Daniel V. McGehee – Co-Principal Investigators)	Sep 2010- Jul 2014	PPC portion \$429,388
The use of video feedback in novice 14-1/2 year-old drivers: the million-mile study (Iowa Department of Transportation) (Daniel V. McGehee – Principal Investigator)	Apr 2009- Aug 2013	\$200,000
Great Plains Center for Agricultural Health (U.S. Department of Health and Human Services) (Daniel V. McGehee – Co-Principal Investigator)	Sept 2011- Aug 2016	PPC portion \$3,771
Task analytic and time series analysis of driver behavior (Toyota Motor Corporation) (Daniel V. McGehee – Principal Investigator)	Sept 2011 - Aug 2014	\$998,000
Improving patient outcomes through photographic trauma site documentation; smart phone app development and field/emergency department training (Iowa Department of Transportation) (Daniel V. McGehee – Principal Investigator)	Oct 2012 -Dec 2013	\$61,798
An assessment of crash causation and contributing factors using naturalistic driving data (AAA Foundation for Traffic Safety) (Daniel V. McGehee – Principal Investigator)	Apr 2013 – Mar 2014	\$270,570
SHRP2 S08 Use of NDS for evaluation rural curves (ISU via National Academy of Sciences) (Daniel V. McGehee – Principal Investigator)	Jan 2012- Jun 2014	PPC portion \$222,400

Pending Research

A comparative policy analysis of seat belt laws (Iowa Department of Transportation) (Michelle Reyes – Principal Investigator)	Jul 2013 – Dec 2013	\$85,002
Effect of electronic device use on pedestrian safety (U.S. Department of Transportation, National Highway Traffic Safety Administration) (Daniel V. McGehee, Corinne Peek-Asa – Co-Principal Investigators)	Dec 2013 – Jun 2017	PPC portion \$43,713
Automobile safety and education program/ automobile safety research (Toyota Settlement Council) (Daniel V. McGehee – Principal Investigator)	Oct 2013 – Sep 2016	\$2,100,000
Automobile safety and education program/national consumer survey of driving safety (Toyota Settlement Council) (Daniel V. McGehee – Principal Investigator)	Oct 2013 – Sep 2016	\$800,000
Automobile safety and education program/national driver safety education campaign (Toyota Settlement Council) (Daniel V. McGehee – Principal Investigator)	Oct 2013 – Sept 2016	\$14,058,000

Social Science Policy Research Program

Journal Articles

Ross, Justin and Phuong Nguyen-Hoang. 2013. "School District Income Taxes: New Revenue or a Property Tax Substitute." *Public Budgeting & Finance*, 33(2): 19-40.

Steuber, Keli R., and Anthony Paik. 2013. ³Of Money and Love: Joint Banking, Relationship Quality, and Cohabitation. *Journal of Family Issues* (pre-print version available online).

Ross, Justin M., and Phuong Nguyen-Hoang. 2013. "School District Income Taxes: New Revenue or a Property Tax Substitute?" *Public Budgeting & Finance*, Vol. 33, No. 2, pp. 19-40. <http://onlinelibrary.wiley.com/doi/10.1111/j.1540-5850.2013.12004.x/abstract>.

Paik, Anthony, and Kenneth Sanchagrin. 2013. "Social Isolation in America: An Artifact," *American Sociological Review*. doi:10.1177/0003122413482919.

Nguyen-Hoang, Phuong, Ryan Yeung, and Alexander Bogin. 2013. "No Base Left Behind: The Impact of Military Base Closures on Educational Expenditures and Outcomes," *Public Finance Review*. doi:10.1177/1091142113482570. <http://pfr.sagepub.com/content/early/2013/04/02/1091142113482570.abstract>.

Boehmke, Frederick J, Sean Gailmard, and John W. Patty. 2013. "Business as Usual: Interest Group Access and Representation Across Policy-Making Venues," *The Journal of Public Policy*.

Nguyen-Hoang, Phuong. 2013. "Tax Limit Repeal and School Spending." *National Tax Journal*, 66(1): 117-148. Winner of the 2013 Distinguished Research and Development Award by the International Association of Assessing Officers (IAAO).

Boehmke, Frederick J., Regina P. Branton, Gavin Dillingham, and Richard C. Witmer. 2012. "Close Enough for Comfort: The Spatial Structure of Interest and Information in Ballot Measure Elections," *The Journal of Politics*, Vol. 74, No. 3, pp. 827 - 839. doi:10.1017/S0022381612000321.

Boehmke, Frederick J, and Paul Skinner. 2012. "State Policy Innovativeness Revisited 12," *State Politics & Policy Quarterly*, No. 3, pp. 303 - 329. doi:10.1177/1532440012438890.

Paik, Anthony, and Vernon Woodley. 2012. ³Symbols and Investments as Signals: Courtship Behaviors in Adolescent Sexual Relationships.² *Rationality and Society* 24: 3-36.

Ramirez, Marizen, Anthony Paik, Kenneth Sanchagrin, and Karen Heimer. 2012. ³Violent Peers, Network Centrality, and Intimate Partner Violence among Young Men.² *Journal of Adolescent Health* 51:503-509.

Ellingson, Stephen, Vernon Woodley, and Anthony Paik. 2012. ³The Structure of Religious Environmentalism: Movement Organizations, Interorganizational Networks, and Collective Action.² *Journal for the Scientific Study of Religion* 51: 266-285.

Nguyen-Hoang, Phuong. 2013. "Tax Limit Repeal and School Spending." *National Tax Journal*, 66(1): 117-148 (Winner of the 2013 Distinguished Research and Development Award by the International Association of Assessing Officers).

Ross, Justin and Phuong Nguyen-Hoang. 2013. "School District Income Taxes: New Revenue or a Property Tax Substitute." *Public Budgeting & Finance*, 33(2): 19-40.

Boehmke, Frederick J. and R. Michael Alvarez. N.d. The Influence of Signature Gathering Campaigns on Political Participation. *Social Science Quarterly* (forthcoming).

Boehmke, Frederick J, Sean Gailmard and John Wiggis Patty. 2013. Business as Usual: Interest Group Access and Representation across Policy-Making Venues. *The Journal of Public Policy* 33 (1): 3-33.

Proceedings

Desmarais, Bruce, Harden, Jeffrey J, and Boehmke, Frederick J. 2013. Inferring Policy Diffusion Networks in the American States. Prepared for presentation at the 30th Annual Meeting of the Society for Political Methodology, July 18-20, 2013, Charlottesville, VA.

Presentations

Boehmke Featured on Boston Public Radio

Thursday, December 6, 2012

PPC Social Science Policy researcher Frederick Boehmke was featured on Boston Public Radio to discuss his recent research with colleague Paul Skinner on how innovative states are and which states are the most and least innovative in the United States.

Other Activities

Nguyen Signs Contract with Lincoln Institute of Land Policy

Phuong Nguyen, a social science policy program researcher, has signed a contract with the Lincoln Institute of Land Policy to write a research paper on the effects of tax increment financing (TIF) on educational expenditures in Iowa. He will present its findings at "The Property Tax and Financing of K-12 Education" conference on October 28, 2013 in Cambridge, Massachusetts.

Articles and Blog Posts

The Top One Percent Income Share (annotated), CEPR (September 2013)

Behind the Income Numbers, Dissent (September 2013)

McRecovery: The Troubling New Jobs Report, Dissent (September 2013)

Labor Day Blues, Dissent (September 2013)

States of Recession (Center for Economic and Policy Research, August 2013)

Mind the Gap, Dissent (August 2013)

ALEC in Plunderland, Dissent (July 2013)

Unemployment and Its Symptoms, Dissent (July 2013)

Three Reasons Not to Get Too Excited about the Latest Jobs Report, Dissent (July 2013)

Defending the Top One Percent—And Failing At It, inequality.org (July 2013)

The Great Barbecue Revisited, Dissent (June 2013)

Wage Growth and Unemployment in the States (CEPR, June 2013)

How the Rich Got Richer, Dissent (June 2013)

Revenue Blues: The Case for Higher Taxes, Dissent, June 2013

Inflation, the Friendly Ghost, Dissent (May 2013)

The Austerity Follies, Dissent (May 2013)

From Bad Jobs to Good Jobs, Dissent (May 2013)

The Lost City of Solidarity, Dissent (April 2013)

How the Density of Your County Affects How You Vote, Atlantic Cities (April 2013)

The Arc of Inequality, Dissent (March 2013)

(with John Schmitt), What's So Bold about \$9.00/hour? Benchmarking the Minimum Wage, Dissent (March 2013)

US Health Care is Still Bad (and Expensive), Dissent (February 2013)

A Bad Year For Unions, Dissent (January 2013)

A Jobless Recovery, Dissent (January 2013)

Back to Full Employment (Center for Economic and Policy Research), January 2103

Unemployment Numbers: The Long View, Dissent (January 2013)

Iowa View: Counting job gains while excluding losses is wrong, Des Moines Register(January 15, 2013)

The Folly of Right to Work, Dissent (December 2012)

The Good Jobs Deficit, Dissent (December 2012)

Better Pizza, Bitter Politics, Dissent (November 2012).

(with Steve Herzenberg), The Manufacturing Jobs Score, 1949-2011 (Keystone Research Center, October 2012)

(with Larry Mishel), Real Hourly Wage Growth: The Last Generation, Working Economics (Economic Policy Institute), October 10, 2012

(with Steve Herzenberg), "Bill Clinton Was Right That Dems Create More Jobs: The Manufacturing Jobs Score, 1948-2011" Alternet (September 18, 2012); cross-posted at Huffington Post (September 20, 2012).

Growing Together, Growing Apart: Income Growth since 1948 (Center for Economic and Policy Research, September 2012)

(with Donald Cohen), Do America's Corporations Care How Much American Workers Earn? Dissent (August 30, 2012); also published in Huffington Post and Truthout

Where Have All the Good Jobs Gone? (Center for Economic and Policy Research, August 2012)

Books

Growing Apart: A Political History of American Inequality (Institute for Policy Studies, 2013); e-book at www.inequality.org

Policy Research

The State of Working Iowa, 2013 (Iowa Policy Project, September 2013)

The State of Working Iowa, 2012 (Iowa Policy Project, December 2012)

(with Robin Clark-Bennett, Jen Sherer, and Matthew Glasson), Wage Theft in Iowa



(Iowa Policy Project, August 2012)

Funded Research

Cross-national variation in the impact of children on parents' well being (U.S. National Science Foundation) (Jennifer Glass – Principal Investigator)	Sep 2010- Aug 2012	\$74,000
Collaborative research: violent victimization in the U.S.: the vulnerability of minorities and women over time (U.S. National Science Foundation) (Karen Heimer – Principal Investigator)	Apr 2011- Mar 2013	\$152,539

Pending Research

Contents and contexts of cyberbullying: An epidemiologic study using electronic detection and social network analysis (U.S. Department of Justice) (Marizen Ramirez, Anthony Paik, Corinne Peek-Asa, Karen Heimer, Octav Chipara, Padmini Srinivasan, Shelly Campo – Co-Principal Investigators)	Jan. 2014 – Dec. 2016	\$458,246
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Transportation Policy Research Program

Journal Articles

Lee, Hosin, Thomas Glueckert, Taha A. Ahmed, Yongjoo Kim, Cheolmin Baek, and Sung-Do Hwang. 2013. "Laboratory Evaluation and Field Implementation of Polyethylene Wax-Based Warm Mix Asphalt Additive in USA," *International Journal of Pavement Research and Technology*, Vol. 6, No. 5.

Woods, A., Y. Kim and H. Lee, "Development of a New Tool based on Moisture Loss Index and In-situ Stiffness to Determine the Timing of an Overlay on Cold In-place Recycling Layer." *Transportation Research Record: Journal of Transportation Research Board*, TRB, 2012.

Kim, Y. and H. Lee, "Performance Evaluation of Cold In-place Recycling Mixtures using Emulsified Asphalt Based on Dynamic Modulus, Flow Number, Flow Time, and Raveling Loss." *KSCE Journal of Civil Engineering*, Vol. 16, No. 4, KSCE, 2012, pp. 586-593.

•Ahmed, Taha A, Elie Y. Hajj, Peter E .Sebaaly, and Nate Majerus. 2013. "Influence of Aggregate Source and Warm-Mix Technologies on the Mechanical Properties of Asphalt Mixtures," *Advances in Civil Engineering Materials*, Vol. 2, No. 1. 20130072. doi:10.1520/ACEM20130072.

Reports

H. Lee, *Implementation of LEADCAP Warm Mix Asphalt*, Esto Seminar, Ulaanbaatar, Mongolia, November 8, 2012.

H. Lee, *LEADCAP Technology Brief* FHWA Warm Mix Asphalt Technical Working Group, Washington, DC, July 25, 2012.

Chen, Can, Christopher R. Williams, Taha A. Ahmed, and Hosin Lee. 2013. *Quality Control/Quality Assurance Testing for Joint Density and Segregation of Asphalt Mixtures*. Ames, IA.

Funded Research

TR 658 Development of quality standards for inclusion of high recycled asphalt pavement content in asphalt mixtures (Iowa Department of Transportation) (Hosin Lee – Principal Investigator)	May 2013-Jan 2015	\$150,000
Development of low-carbon and low-cost pavement: Phase V: Commercialization of KICT WMA technology through the establishment of laboratory for advance construction technology (LACT) (Korean Institute of Construction Technology) (Hosin Lee – Principal Investigator)	May 2013-Nov 2013	\$95,909
Development of low-carbon and low-cost pavement: Phase IV: Evaluation of new additive for reclaimed asphalt pavement (Korean Institute of Construction Technology) (Hosin Lee – Principal Investigator)	Jul 2012 – Nov 2012	\$27,783
Assessment of non-destructive testing technologies for quality control/quality assurance testing of asphalt mixtures (Iowa State University) (Hosin Lee – Principal Investigator)	Jan 2013 – Jun 2014	\$15,000

Investigation of synergistic effects of warm mix asphalt and high fractionated reclaimed asphalt pavement for safe, environmentally sustainable highway (Mid-America Transportation Center) (Hosin Lee – Principal Investigator)	Jan 2013 – Dec 2013	\$46,211
Quality control/quality assurance testing for joint density and segregation of asphalt mixtures (Iowa State University) (Hosin Lee – Principal Investigator)	Aug 2010 - Dec 2012	\$50,000
Accelerated testing of Kumho's LEADCAP warm mix asphalt (WMA) mixtures (Kumho Petrochemical) (Hosin Lee – Principal Investigator)	Mar 2012 - Dec 2012	\$25,000
Transportation economics for engineers and planners – course development and delivery (Mid-America Transportation Center) (Paul Hanley – Principal Investigator)	Aug 2012 – Aug 2013	\$43,496
Mobility and accessibility of Hispanics in small town rural areas (Mid-America Transportation Center) (Miwa Matsuo – Principal Investigator)	Sep 2012 – Dec 2013	\$23,548

Pending Research

Advanced decision modeling for real time variable tolling – data collection trial (Mid-America Transportation Center) (Paul Hanley – Principal Investigator)	Jul 2013 – Dec 2014	\$85,496
Validation of gyratory design in Iowa (Iowa Highway Research Board) (Hosin Lee – Principal Investigator)	Nov 2013 – Apr 2015	\$45,000
Building test section of warm mix asphalt with high content of fractionated reclaimed asphalt pavement (RAP) and monitoring its construction process and performance for safe, environmental sustainable start and end date (Mid-American Transportation Center) (Hosin Lee – Principal Investigator)	Jul 2013 – Dec 2014	\$60,000
Dollars for lives: the effects of capital outlay and maintenance expenditures on highway fatalities (Mid-American Transportation Center) (Phuong Hoang Nguyen – Principal Investigator)	Jul 2013 – Jun 2014	\$56,157
Efficiency and effectiveness of general rural transit services in the US (Mid-America Transportation Center) (Miwa Matsuo – Principal Investigator)	Jul 2013 – Jun 2014	\$40,863

Environmental Policy Research Program

Journal Articles

Laurian L., Funderburg, R. 2013. Environmental Justice in France? A spatio-temporal analysis of incinerator location. *Environmental Planning and Management*. (online publication May 2013: 10.1080/09640568.2012.749395)

Benmarhnia, T., Laurian, L and S. Deguen. 2013. Measuring Spatial Environmental Deprivation: a new index and its application in France. *Environmental Justice* 6(2): 48-55.

Petrich, Nicholas T., Scott N. Spak, Gregory R. Carmichael, Dingfei Hu, Andres Martinez, and Keri C. Hornbuckle. 2013. "Simulating and Explaining Passive Air Sampling Rates for Semivolatile Compounds on Polyurethane Foam Passive Samplers," *Environmental Science & Technology*. 130725075115008. doi:10.1021/es401532q.

Huang, Min, Gregory R. Carmichael, Tianfeng Chai, R. Bradley Pierce, Samuel J. Oltmans, Daniel A. Jaffe, Kevin W. Bowman, et. al. 2013. "Impacts of Transported Background Pollutants on Summertime Western US Air Quality: Model Evaluation, Sensitivity Analysis and Data Assimilation," *Atmospheric Chemistry and Physics*, Vol. 13, No. 1, pp. 359 - 391. doi:10.5194/acp-13-359-2013.

Twohy, Cynthia H., James R. Anderson, Darin W. Toohey, Miroslaw Andrejczuk, AnnaRose Adams, et. al. 2013. "Impacts of Aerosol Particles on the Microphysical and Radiative Properties of Stratocumulus Clouds Over the Southeast Pacific Ocean," *Atmospheric Chemistry and Physics*, Vol. 13, No. 5, pp. 2541 - 2562. doi:10.5194/acp-13-2541-2013.

Stanier, Charles O., Ashish Singh, William Adamski, Jaemeen Baek, Michael Caughey, Gregory R. Carmichael, Eric Edgerton, et. al. 2012. "Overview of the LADCO Winter Nitrate Study: Hourly Ammonia, Nitric Acid and PM_{2.5} Composition at an Urban and Rural Site Pair During PM_{2.5} Episodes in the US Great Lakes Region," *Atmospheric Chemistry and Physics*, Vol. 12, No. 22, pp. 11037 - 11056. doi:10.5194/acp-12-11037-2012.

Abelkop, Adam D.K., and Jonathan C. Carlson. 2012. "Reining in Phaëthon's Chariot: Principles for the Governance of Geoengineering 21," *Transnational Law & Contemporary Problems*. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2165372.

Tsao, Chi-Chung, J. Elliott Campbell, Marcelo Mena-Carrasco, Scott N. Spak, Gregory R. Carmichael, and Yihsu Chen. 2012. "Biofuels That Cause Land-Use Change May Have Much Larger Non-GHG Air Quality Emissions Than Fossil Fuels," *Environmental Science & Technology*, Vol. 46, No. 19, 10835 - 10841. doi:10.1021/es301851x.

H. Allen Klaiber, V. Kerry Smith, Michael Kaminsky and Aaron Strong, *forthcoming*, "Measuring Price Elasticities for Residential Water Demand with Limited Information" *Land Economics*.

Aaron Strong, 2012, "Species Specific Recreation Demand: The Case of Trout Fishing in Alberta" *Journal of Natural Resource Policy Research* 4(2): 121-130

Proceedings

Saide, Pablo E, Carmichael, Gregory R, Spak, Scott N, Minnis, Patrick, and Ayers, J Kirk. 2012. Improving Aerosol Distributions Below Clouds by Assimilating Satellite-Retrieved Cloud Droplet Number 109, no. 30. *Proceedings of the National Academy of Sciences*: 11939 - 11943. doi:10.1073/pnas.1205877109.

Presentations

Where There's Smoke, There's Work to Do: Addressing the Air Quality and Health

Concerns from the Iowa City Landfill Fire

Tuesday, October 23, 2012

PPC Environmental Policy researcher Scott Spak presented at the Iowa Environmental Health Association's Fall Conference in October 2012. The goal of the paper was to understand the fire's effects on the area's air quality and to prevent future incidents. Spak's research will help the Johnson County Board of Health and Johnson County Supervisors to develop techniques and improvements for the area's air quality standards.

Funded Research

Sustainability-promoting local institutions U.S. National Science Foundation) (Lucie Laurian – Principal Investigator)	Sep 2011 - Aug 2014	\$389,989
Regional scale analysis of trace gas and aerosol distributions and the development of emissions in support of the SEACARS mission (U.S. NASA SEAC4RS) (Greg Carmichael – Principal Investigator)	Nov 2011 - Nov 2014	PPC portion \$62,460
Constraining urban-to-global scale estimates of black carbon distributions, sources, regional climate impacts and co-benefit metrics with advanced coupled dynamic-chemical transport adjoint models (U.S. EPA STAR) (Greg Carmichael – Principal Investigator)	Sep 2011-Aug 2014	PPC portion \$40,800
Improving air quality analysis through a closer integration of observations and models (U.S. NASA ACAST) (Greg Carmichael – Principal Investigator)	May 2011-May 2016	PPC portion \$57,127
Air quality impact of stationary power generation at the University of Iowa (UI Facilities) (Scott Spak – Principal Investigator)	Jul 2012- Jun 2013	\$169,594
Economic trade-offs between surface water quality and groundwater level for municipal drinking water supplies (UI Water Sustainability Initiative) (Aaron Strong, Adam Ward – Co-Principal Investigators)	Jun 2013- Jun 2014	\$5,756

Pending Research

Regional scale impacts of biomass burning on air quality, weather and surface processes in emission- chemistry-climate assimilation (NASA) (Greg Carmichael, Scott Spak – Co-Principal Investigators)	Jul 2014 - Jun 2016	PPC portion \$53,447
Reducing uncertainties in atmospheric composition and clouds at regional scales through assimilation of a wide range of satellite retrievals (U.S. NASA) (Greg Carmichael, Scott Spak – Co-Principal Investigators)	Jul 2014 - Jun 2016	PPC portion \$53,447

Tiger team: web-enabled tools for air quality management decision support (U.S. NASA ACAST) (Scott Spak – Principal Investigator)	July2013 - Jun 2014	\$140,000
Decision processes, climate change, and water resources in the agricultural Midwest (U.S. National Science Foundation) (Adam Ward, Scott Spak, Kajsja Dalrymple – Co-Principal Investigators)	Jul 2014 - Jun 2016	\$600,000

Total PPC Funding

\$11,994,060

Pending PPC Funding

\$6,286,058



Iowa Social Science Research Center (ISRC)

- The ISRC experienced significant growth during 2012-13 and expanded its staff to keep up with the growing demand for services. The center hired two full-time Project Managers, a full-time Data Collection Coordinator, and a full-time Data Manager. Accomplishments from 2012-13 are highlighted below.
- Assisted with the submission of 55 grant proposals for a total of \$7,433,246 of funding; of these, 15 grants were funded for a total of \$2,044,161, and 13 proposals are still pending.
- In addition to continuing projects initiated in 2011-12, the center fielded 14 new surveys or research-based initiatives (Polk County Health Services Consumer Program Evaluations 2013, Wise Guys Survey, UI EOD Unwelcome Behavior Survey, Rural Disaster Preparedness Survey, Hawkeye Poll 2012, DentaQuest Survey, Medicaid Home Health Survey, Medicaid Enrollees Adult and Child Surveys 2013, Community Needs and Services Study, Genetics-Based Risk Assessment Transcription, Parent-College Student Communication Study Transcription, CLAS Self-Study, IowaCares Survey 2013, and the UI Law School Alumni Survey).
- Scheduled seven surveys or research-based initiatives for 2013-14 (State of Iowa Water Sustainability Survey, DOT Seat Belt Survey, Polk County Health Services Consumer Program Evaluations 2014, Hawkeye Poll November 2013, National Consumer Survey of Driving Safety, Decline in Maternal Prenatal Screening Survey, and Anti-Bullying Project Transcription).
- Conducted 4,808 telephone interviews with average duration ranging from 15 to 34 minutes.
- Trained 63 UI students (Data Collection Methodology, Human Subjects Training, and CITI Certification).
- Worked with 17 Departments/Units on grant development, survey research development, and data collection including: Political Science, Sociology, Anthropology, Communication Studies, Statistics, School of Urban and Regional Planning, Division of World Languages, Literatures and Culture; School of Social Work, School of Journalism and Mass Communication, College of Nursing, College of Public Health, College of Law, College of Dentistry, College of Engineering, College of Medicine, National Advanced Driving Simulator.
- Fielded the Community Needs and Services Study for a researcher at the American Bar Foundation. The project involves conducting 1200 in-person interviews in Eastern Iowa on civil justice issues.

Funded Research

The Biographies of Scientific Ideas: What the Content and Structure of Citations Reveal About the Diffusion of Knowledge, Freda Lynn and Michael Sauder, Department of Sociology, National Science Foundation	\$159,234
Indigenous Activism and Epidemiological Knowledge: An international comparison, Erica Prussing, Department of Anthropology; National Science Foundation	\$224,062
A Listening Ear: The Collaborative Practice of Early Native Literature, Philip Round, Department of English, Guggenheim Fellowship	
How Safe are The Safety Nets?: An Examination of Change, Variation, and Impact 1994-2010, Sarah Bruch, Department of Sociology, Stanford University New Scholars Program	\$19,946
Doctoral Dissertation Improvement Grant: Identities Beyond the Colonial Core: A Study of the Impact of Spanish Colonialism on the Dismal River Aspect Culture (A.D. 1675-1725), Margaret Beck and Sarah Trabert, Department of Anthropology, National Science Foundation	\$21,830
Moral Schemas, Cultural Conflict, and Socio-Political Action, Steve Hitlin and Rengin Firat, Department of Sociology; Department of Defense Office of Naval Research	\$581,792
National On-Line Training Program for Nursing Home Social Workers, Mercedes Bern-Klug, School of Social Work, Retirement Research Foundation	\$26,358
Collaborative Research: Measuring Social Vulnerability—Reducing Uncertainty and Validating Indicators, Eric Tate, School of Urban and Regional Planning, National Science Foundation	\$166,840
BCC: Broadband Use Mapping, Data and Evaluation, Caroline Tolbert and Julie Pacheco, Department of Political Science and Kevin Leicht, Department of Sociology, National Science Foundation	\$499,788
Prehistoric Human Adaptations to Hyper-arid Climates in the Central Namib Desert, Namibia, Theodore Marks, Department of Anthropology, National Geographic Society	\$14,776
Workshop: Understanding Morality: Developing Interdisciplinary Perspectives, Steve Hitlin, Department of Anthropology, National Science Foundation Supplement	\$4,734
Integrating Racial Relations in Understandings of the Politics of Inequality, Sarah Bruch, Department of Sociology, Russell Sage Foundation	\$147,328
Community Social Organization and Residential Mobility: Exploring Resident Participation, Resident Well-Being, and Child Health in Making Connections Neighborhoods, Megan Gilster, School of Social Work, Annie E. Casey Foundation	\$7,499
Situation Factors and the Victim-Offender Overlap, Mark Berg, Department of Sociology, National Institute of Justice through Penn State University	\$99,994

PPC FACULTY, STAFF, AND STUDENTS 2012-2013

Faculty	ISRC	1
Faculty	PPC	19
GRA	PPC	26
P&S*	ISRC	8
P&S*	PPC	34
Hourly Student**	ISRC	64
Hourly Student**	PPC	26
Volunteer (nonpaid)	PPC	9

*P&S includes permanent and temporary appointments

**Hourly Student includes undergraduate and graduate students