



Activities During Academic Year 2008-2009

This year the PPC successfully completed the first phase of its 14.8 million dollar federally funded National Evaluation of a Mileage-Based Road User Charge study. In other highlights, two new Research Programs—Crime and Justice, and Housing Policy Research—joined the Center, and the PPC was chosen to be part of the new university sustainability “cluster hiring.” The PPC will collaborate with the Department of Urban and Regional Planning to hire a resource economist as part of the initiative to make sustainability a priority for the University of Iowa.

The 2008-09 academic year was a very productive one for the faculty, staff and students of the PPC

- **28** grants through the Public Policy Center totaling **\$18,931,976**. In addition:
 - **\$6,574,931** is pending allocation and soon to be awarded
- **30** journal articles, monographs, research abstracts, conference proceedings papers, and book chapters including:
 - 12 journal articles published or in press
 - 5 research monographs or reports
 - 7 research abstracts
 - 4 conference proceedings papers
 - 2 books or chapters
- Convened **3 national symposia** for the Forkenbrock Series on Public Policy: *Transportation Finance and Economics: Policy Options for the Future* and *The Subprime Housing Crisis: Interdisciplinary Policy Perspectives* took place in the fall of 2008 and *Living With Floods: From Science to Policy* in the spring of 2009
- Mentored **20 MS** and **5 PhD** students
- Organized **a major international conference**, the 5th International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design
- Provided assistance to the Iowa Legislature on Health Care Reform, Teen Driving and Transportation Policy issues.
- Presented numerous invited presentations to state agencies including the Iowa Department of Human Services, Iowa Department of Public Health and the Iowa Department of Transportation
- Active on **12** university, **4** state and **6** federal committees
- Director Peter Damiano was honored with the **2008 Regents Award for Faculty Excellence**
- Addition of **new affiliated faculty**:
 - Karen Heimer shifted 25% of her appointment to PPC from Sociology
 - Jerry Anthony shifted 40% of his appointment to PPC from the graduate program in Urban and Regional Planning
- Secondary appointments for:
 - Charles Connerly, Urban and Regional Planning
 - John Fuller, Urban and Regional Planning
 - Mike Jones, Biostatistics

PUBLIC POLICY CENTER

Activities During Academic Year 2008-2009

Health Policy Research Program

Journal Articles

Potter KS, McQuistan MR, Williamson AE, Qian F, and Damiano PC. Should Endodontists Place Implants? A Survey of US Endodontists. *J Endod*. 2009 Jul;35(7):966-70.

Romitti P, Kancherla V, Druschel C, Robbins J, Damiano PC. "Maternal Reports of Satisfaction with Care and Outcomes for Children with Microtia". *Journal of Plastic and Reconstructive Surgery*. 2009, Apr;123(4):149e-150e. PMID: 19337070.

Dietz FR, Tyler MC, Leary KS, Damiano PC. "Evaluation of a disease-specific instrument for idiopathic clubfoot outcome." *Clin Orthop Relat Res*. 2009 May;467(5):1256-62. Epub 2009 Jan 22. PMID: 19159116.

Wong-Gibbons DL, Kancherla V, Romitti PA, Tyler MC, Damiano PC, Druschel CM, Robbins JM, Kizelnik-Freilich S, Burnett W. "Maternal reports of satisfaction with care and outcomes for children with craniosynostosis." *J Craniofac Surg*. 2009 Jan;20(1):138-42. PMID: 19165011.

Damiano PC, Momany ET, Carter KD, Jones MP, Askelson NM. "Time to first dental visit after initially enrolling in Medicaid and S-SCHIP." *Medical Care* Vol 46(12) Dec 2008, 1234-1239.

Brister TM, Damiano PC, Momany ET, Chalmers J, Kanellis M. "Dental utilization for Medicaid-enrolled adults in Iowa Residential Care Facilities." *Special Care in Dentistry*. Sep-Oct;28(5):185-9, 2008

Research Monographs

Damiano PC, Willard JC, Park K et al. Health Disparities in Children in Iowa. Final Report to the Iowa Department of Public Health, April 2009.

Damiano PC, Momany ET, Willard JC, Udeh BL, Heiden EO, Richardson BB, McCrory KT. First Evaluation of the IowaCare Program. Final Report to the Iowa Department of Human Services, December 2008.

Research Abstracts

Damiano PC, Willard JC, Park K, Carter K. Racial and ethnic health disparities in Iowa Children. Academy Health, Child Health Services Research Annual meeting. Chicago, IL. June 2009.

Chi DL, Momany ET, Neff JM, Damiano PC. Dental Utilization for Medicaid-Enrolled Children with a Chronic Health Condition. Academy Health, Child Health Services Research Annual meeting. Chicago, IL. June 2009.

Chi DL, Momany ET, Jones MP, Damiano PC. Time to first dental visit for Medicaid-enrolled Special Needs Children. The International Association for Dental Research Annual Meeting, Miami Florida. April 2009.

Chi DL, Momany ET, Neff JM, Jones MP, Slayton RL, Weber-Gasparoni K, Damiano PC. Dental Utilization for Medicaid-Enrolled Children with a Chronic Health Condition. The National Oral Health Conference. April 2009.

Damiano PC, Willard JC, Park K. Racial and ethnic health disparities in Iowa Children. Iowa Public Health Association Annual meeting. Ames, IA. April 2009.

Potter K, Williamson A, Chen F, McQuistan M, Damiano P. Should Endodontists Place Dental Implants? A Survey of Endodontists. The 2009 AAE Annual Session, Orlando, Florida.

Dietz F, Tyler MC, Leary KS, and Damiano PC. Evaluation of a Disease-Specific Instrument for Idiopathic Clubfoot Outcome. Submitted to the American Academy of Pediatrics Annual Meeting (Orthopedics section). March 2009.

Funded Research

Evaluation of the IowaCare program (Iowa Department of Human Services) Principal Investigator	Jul 2006– Jun 2011	\$750,000 (funded)
Physician knowledge and attitudes about treating children with Craniofacial Abnormalities (National Foundation for Facial Reconstruction-NFFR) Co-investigator, Director of craniofacial survey portion of grant	Oct 2005– Dec 2009	\$386,000 total PPC portion \$173,000 (funded)
Evaluation of the MediPASS Medicaid Demonstration Project (Iowa Department of Human Services) Co-Principal Investigator (25% effort)	Jul 2007– Jun 2010	\$300,000 (funded)
Phase III: Follow-up Study of Children Affected by Craniofacial Malformations to Assess Access to Services, Impact on The Family and Long-term Outcomes (National Foundation for Facial Reconstruction-NFFR) Co-PI, Director of data analysis core	Sep 2006– Aug 2008	\$200,000 total PPC portion \$20,000 (funded)
Utilization of Medical and Dental Services by Medicaid enrollees with MR/DD (Iowa Department of Human Services) Co-Principal Investigator	Jul 2006– Dec 2008	\$150,000 (funded)
Evaluation of the Iowa Medicaid Family Planning Waiver program (Iowa Department of Human Services) Co-Principal Investigator	Feb 2006– Jan 2011	\$100,000 (funded)

2010 Iowa Household Health Survey planning grant (Iowa Department of Public Health)	Dec 2008– Nov 2011	\$30,000 (funded)
Iowa Child and Family Household Health Survey (Iowa Department of Public Health)	Dec 2007– Nov 2008	\$30,000 (funded)
Nursing home access to dental care project (Delta Dental of Iowa)	May 2007– Apr 2008	\$20,000 (funded)
Demonstration project to keep mentally ill prisoners off disability following release from prison (Center for Medicare and Medicaid Services via IDHS) PI-Evaluation component	Mar 2010– Sep 2014	\$56,000,000 PPC portion \$5.5 million (under review)
First preventive dental visit: Disparities in needs, costs + behavioral insights	Sep 2009– Sep 2011	\$976,626.00 (under review)

Transportation Research Program

Journal Articles

Kim, Y, Lee H, and Heitzman M. Dynamic Modulus and Repeated Load Tests of Cold In-place Recycling Mixtures Using Foamed Asphalt. *Journal of Materials in Civil Engineering, ASCE*, Vol. 21, No. 6, ISSN 0899-1561, pp 279-285, June 2009

Reports

Paul F. Hanley, Nikhil Sikka, Gavin Ferguson, Ben Kober and Jieli Sun. *Iowa Medicaid Non-Emergency Medical Transportation System Review and Options for Improvements*. Report for the Iowa Medicaid Enterprise and Iowa Department of Transportation, September 2008.

Conference Proceedings

Lee H and Kim Y. Is the 1.5% Moisture Condition a Necessary Condition for the CIR Layer to Be Overlaid? *6th International Conference on Maintenance and Rehabilitation of Pavements and Technological Control*, Torino, Italy, July 2009, pp 888-893.

Lee H, Kim Y, Geisler N, Jorgensen A, Villumsen A, Cheon SH, and Pyun JB. Building Asphalt Pavement with SBS-based Compound Using Dry Process in Greenland. *6th International Conference on Maintenance and Rehabilitation of Pavements and Technological Control*, Torino, Italy, July 2009, pp 493-498.

Kuhl, J. "U.S. Pilot Projects" 2009 Symposium on Mileage-Based User Fees Symposium Proceedings April 14-15, 2009 Austin, Texas.

Lee H, Im S, and Kim Y. Impacts of Laboratory Curing Condition on Indirect Tensile Strength of Cold In-place Recycling Mixtures Using Foamed Asphalt. *Proceedings of Airfield and Highway Pavements 2008*, ASCE, Bellevue, Washington, October 2008, pp 213-221.

Funded Research

National Evaluation of a Mileage-Based Road User Charge (Authorized and funded through the U.S. Congress)	Oct 2006– Dec 2010	\$14,850,000 (funded)
Iowa Medicaid Transportation Needs Assessment (Iowa Department of Transportation)	Oct 2006– Sep 2008	\$248,049 (funded)
University Transportation Center Grant–Associate Director Collaborating Universities: Nebraska (lead), Missouri-Rolla, Kansas, and Kansas State (U.S. Department of Transportation)	May 2009– Jun 2010	\$555,000 total PPC portion \$120,000 (funded)
Warm Asphalt Development Phase I, II, III, IV (Korea Institute of Construction Technology)	Aug 2007– Sep 2010	\$153,871 (funded)
Examination of Curing Criteria for Cold-In Place Recycling, Phase I (Iowa Department of Transportation)	Apr 2006– Mar 2009	\$100,000 (funded)
Examination of Curing Criteria for Cold-In Place Recycling, Phase II (Iowa Department of Transportation)	Dec 2007– Mar 2009	\$57,666 (funded)
Examination of Curing Criteria for Cold-In Place Recycling, Phase III (Iowa Department of Transportation)	Mar 2009– Dec 2012	\$104,140 (funded)
Foamed Asphalt Mix Design Phase III (Iowa Department of Transportation)	Dec 2007– Dec 2009	\$65,646 (funded)
Pavement Thickness Design Software (Iowa Department of Transportation)	Apr 2008– Sep 2009	\$50,000 (funded)
Evaluation of Warm Mix Asphalt and High Reclaimed Asphalt Mixture for Safe Reliable and Environment Friendly Highway (Mid-America Transportation Center)	Mar 2008– Dec 2009	\$50,000 (funded)
Evaluation of Warm Mix Asphalt and High Reclaimed Asphalt Mixture for Safe Reliable and Environment Friendly Highway (Mid-America Transportation Center)	Jul 2009– Jul 2010	\$50,000 (pending)

Human Factors and Vehicle Safety Research Program

Journal Articles

Carney, C., McGehee, D. Lee, J., Reyes, M., Raby, M. (In press). Using an Event-Triggered Video Intervention System to Expand the Supervised Learning of Newly Licensed Teen Drivers. American Journal of Public Health.

Books and Chapters

Proceedings of the 5th International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design, Big Sky, MT. (2009). Iowa City, IA: University of Iowa.

Reports

Foss, R. Shope, J., Simons-Morton, B., McGehee, D., Bingham, R. (2009). Future Directions for research on motor vehicle crashes and injuries involving teenage drivers. Transportation Research Board.

Boyle, L., McGehee, D., Lee, J., Neyens, D. Hallmark, S., Ward, N. 1(2009). Data analysis strategies for the SHRP2 naturalistic field study. National Academies Report.

Funded Research

Strategic Highway Research Program II: Integration of analysis methods and development of analysis plan (National Academies of Science, Transportation Research Board)	Jan 2008– Aug 2009	\$425,000 (funded)
Super Novice Video Intervention Study (Westat)	Sep 2008– Sep 2010	\$264,371 (funded)
Use of Video Feedback in Urban Teen Driving (Iowa Department of Transportation and General Motors Corporation)	Jun 2006– Jun 2009	\$240,000 (funded)
The Use of Video Feedback in Novice 14-1/2 Year-old Drivers: The Million-Mile Study (Iowa DOT)	Apr 2009– Mar 2013	\$180,000 (funded)
Moving Beyond Teen Crash Statistics: Go Team (Iowa DOT)	Jan 2009– Dec 2010	\$145,733 (funded)
A Longitudinal Randomized Control Trial Intervention for Teen Drivers Using Event-Triggered Video (Centers for Disease Control and National Highway Traffic Safety Administration)	Aug 2007– Jul 2012	\$97,000 (funded)
Use of Video Feedback in Urban Teen Drivers (General Motors)	Jan 2008– Dec 2008	\$40,000 (funded)

Development of Selection Criteria Test Plan for Younger Driver Feedback Technologies (AAA Foundation)	Dec 2008– Mar 2009	\$24,500 (funded)
Advanced Collision Notification with Video w/University of Washington (UI-IPRC)	Jul 2008– Jun 2009	\$15,000 (funded)
A Longitudinal Randomized Control Trial Intervention for Teen Drivers Using Event-Triggered Video—Addendum 3 (Centers for Disease Control and National Highway Traffic Safety Administration)	Aug 2009– Jul 2010	\$48,305 (pending)

Crime and Justice Research Program

Journal Articles

Lauritsen, Janet L., Karen Heimer and James P. Lynch. 2009. "Trends in the Gender Gap in Violent Offending: New Evidence from the National Crime Victimization Surveys." *Criminology*, 47: 361-399.

Heimer, Karen, Janet L. Lauritsen and James P. Lynch. 2009. "The National Crime Victimization Survey and the Gender Gap in Offending: Redux." *Criminology*, 47: 427-437.

Lauritsen, Janet L. and Karen Heimer. 2008. "Gender and Violent Victimization, 1973-2004." *Journal of Quantitative Criminology*, 24: 125-147.

Heimer, Karen and Janet L. Lauritsen. 2008. "The Importance of Studying Trends in Violence Against Women," *The Criminologist*, 33 (4): 1-6.

Books and Chapters

Heimer, Karen and Janet L. Lauritsen. 2008. "Gender and Violence in the United States: Trends in Offending and Victimization." In *Understanding Crime Trends*. Edited by Richard Rosenfeld and Arthur Goldberger. Washington, DC: National Academy of Sciences, pp 45-80.

Funded Research

Gender and Violent Victimization (National Institute of Justice, Department of Justice)	2007–2009	\$302,613 total UI portion \$128,000 (funded)
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Total Funded Research for the Public Policy Center **\$18,931,976**

Total Pending Research for the Public Policy Center **\$ 6,574,931**

Public Policy Center Faculty, Staff, and Students

PPC Staff

Natoshia Askelson	Assistant Research Scientist
Jerry Anthony	Associate Professor, Urban & Regional Planning & PPC
Cher Carney	Senior Research Assistant, Human Factors Research
Peter Damiano	Director, PPC, Professor, Preventive & Community Dentistry
Amy Gros-Louis	Professional Department Assistant
Paul Hanley	Associate Professor, Urban & Regional Planning & PPC
Karen Heimer	Professor, Sociology & PPC
Kathy Holeton	Administrative Associate
Lori Jarmon	Operations Project Manager, US DOT Project
Yongjoo Kim	Research Assistant III, Visiting Scholar Transportation Research
Jon Kuhl	Professor, Electrical & Computer Engineering & PPC
Ray Kuthy	Professor, Preventive & Community Dentistry & PPC
Hosin "David" Lee	Associate Professor, Civil & Environmental Engineering & PPC
Teresa Lopes	Associate Editor II
Melia Pieper-Marek	Program Assistant, US DOT Project
Daniel McGehee	Director, Human Factors Research, Adjunct Associate, MIE
Elizabeth Momany	Associate Research Scientist, Health Policy Research
Kevin Sellers	Systems Analyst, Health Policy Research
Margaret Tyler	Research Assistant III, Health Policy Research
Belinda Udeh	Assistant Research Scientist, Health Policy Research
Jean Willard	Senior Research Assistant, Health Policy Research

Affiliated Faculty

Robert Bacon	Director, Disability Policy & Training
M. Asghar Bhatti	Professor, Civil & Environmental Engineering & PPC
Charles Connerly	Professor, Urban & Regional Planning
John Fuller	Professor, Urban & Regional Planning
Michael Jones	Professor, Biostatistics
Jeff Murray	Professor, Neonatology & PPC
Corinne Peek-Asa	Professor, Occupational & Environmental Health & PPC
Matt Rizzo	Professor, Neurology, MIE & PPC

Thomas Schnell Associate Professor, MIE

Students

Knute Carter	Graduate Research Assistant
Lindsay LaFayette	Student Assistant
Nick Hatz	Student Research Assistant
Erin Heiden	Graduate Research Assistant
Adweta Joshi	Graduate Research Assistant
Suyun Ma	Graduate Research Assistant
Susan McKernan	Graduate Research Assistant
Ki Hyung Park	Graduate Research Assistant
Nishant Sheth	Graduate Research Assistant
Nikhil Sikka	Graduate Research Assistant
Erica Spies	Graduate Research Assistant
Alex Sukalski	IT Support
Lei Sun	Graduate Research Assistant
Beth Westlake	Graduate Research Assistant
Matthew Yohe	IT Support