



Activities During Academic Year 2007-2008

The Public Policy Center updated its mission in July 2007:

To provide policymakers with information that can make our lives and communities thrive in sustainable ways through academic research.

The 2007-08 academic year was a very productive one for the faculty, staff and students of the PPC

- **23** grants through the Public Policy Center totaling **\$18,557,209**. In addition:
\$5,730,714 is pending allocation and soon to be awarded
 - A grant totaling **\$56 million** submitted in collaboration with 3 state agencies regarding the re-entry into the community of mentally ill prisoners has received preliminary acceptance
 - One RO3 grant, jointly submitted with the University of Washington, is under review
- **33** journal articles, monographs, research abstracts, conference proceedings and book chapters including:
 - 13 journal articles published or in press
 - 2 research monographs
 - 14 conference proceedings
 - 2 book chapters
- Organized **2 major international conferences**, the 4th International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design, and the 5th International Conference on Maintenance and Rehabilitation of Pavements and Technological Control
- Introduced the **Forkenbrock Series on Public Policy** and began planning for **2 major symposia** to take place in the fall of 2008: Transportation Finance and Economics: Policy Options for the Future; and The Sub prime Housing Crisis: Interdisciplinary Policy Perspectives
- Mentored **10 MS** and **6 PhD** students
- 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, **2** state and **3** federal committees
- Addition of **new affiliated faculty**:
Paul Hanley shifted to 75% PPC from the graduate program in Urban and Regional Planning
Secondary appointments for:
 - Jeff Murray, Pediatrics
 - Karen Heimer, Sociology
 - Corrine Peek-Asa, Occupational and Environmental Health
 - Ray Kuthy, Preventive and Community Dentistry
 - Andrew Penziner, Center for Disabilities and Development (CDD) and Pediatrics
 - Robert Bacon, CDD and UIHC

PUBLIC POLICY CENTER

Activities During Academic Year 2007-2008

Health Policy Research Program

Journal Articles

1. Damiano PC, Tyler MC, Romitti PA, Momany ET, Jones MP, Canady JW, Karnell MP, Murray JC. Health-Related Quality of Life Among Preadolescent Children with Oral Clefts. *Pediatrics* 2007;120:e283-e290.
2. Bhuridej PL, Damiano PC, Dawson DV, Kuthy R, Flach SD, Heller KE, Kanellis MJ. Four-year Cost Utility Analysis of Sealed and Non-sealed First Permanent Molars of Iowa Medicaid-enrolled Children. *Journal of Public Health Dentistry*, Vol. 67, No. 4, Fall 2007. 191-198
3. 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*. In press.
4. 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*. In press.
5. 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*. In press.
6. Damiano PC, Tyler MC, Romitti PA, Druschel C, Austin AA, Burnett W, Kizelnik-Freilich S, Robbins JM. " Demographic characteristics, care and outcomes for children with oral clefts in three states using participants from the National Birth Defects Prevention Study." *Journal of Cleft Palate and Craniofacial Research*. In press.

Research Monographs

1. Damiano PC, Heiden, EO, Willard JC, Momany ET. Evaluation of Iowa's Medicaid Managed Care Program: Results of the 2007 Survey of Iowa Medicaid Enrollees. Final Report to the Iowa Department of Human Services, February 2008.
2. Damiano PC, Willard JC. Health Insurance Coverage of Children in Iowa: Results from the Iowa Child and Family Household Health Survey. Final Report to the Iowa Department of Public Health, December 2007.

Research Abstracts

1. Robbins J, Damiano P, Druschel C, Romitti P, Reading A, Hobbs C. "Maternal satisfaction with information and support following the prenatal diagnosis of an orofacial cleft." Poster presented at the Society for Pediatric Research Annual meeting, May 2008.

2. Austin AA, Druschel CM, Tyler M, Romitti PA, Robbins JM, Burnett W, Kizelnik-Freilich S, Damiano PC. "Organized team care and services received by children with oral clefts." Poster presentation at the National Birth Defects Prevention Network Annual Meeting, February 2008.

Funded Research

Evaluation of the IowaCare program (Iowa Department of Human Services)	Nov. 2006– Nov. 2011	\$777,060 (funded)
Physician knowledge and attitudes about treating children with Craniofacial Abnormalities (National Foundation for Facial Reconstruction-NFFR)	Oct. 2005– Dec. 2009	\$386,000 total PPC portion \$173,000 (funded)
Evaluation of the MediPASS Medicaid Demonstration Project (Iowa Department of Human Services)	July 2007– June 2010	\$300,000 (funded)
Iowa Child and Family Household Health Survey (Iowa Department of Public Health)	July 2004– Nov. 2007	\$260,198 (funded)
Phase II: 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)	Dec. 2004– June 2008	\$150,000 total PPC portion \$107,875 (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)	Sept. 2006– Aug. 2008	\$200,000 total PPC portion \$35,272 (funded)
Utilization of Medical and Dental Services by Medicaid enrollees with MR/DD (Iowa Department of Human Services)	July 2006– Sept. 2008	\$162,000 (funded)
Evaluation of the Iowa Medicaid Family Planning Waiver program (Iowa Department of Human Services)	April 2006– Mar. 2011	\$100,000 (funded)
Health-related quality of life of adolescents with craniofacial malformations: A population-based study (Centers for Disease Control and Prevention)	Aug 2006– July 2007	\$62,930 (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	May 2007–	\$20,000

(Delta Dental of Iowa)	April 2008	(funded)
Demonstration project to keep mentally ill prisoners off disability following release from prison (Center for Medicare and Medicaid Services via IDHS)	Mar. 2008– Sept. 2012	\$56,000,000 PPC portion \$5.5 million (pending)
Caries among siblings in the Iowa and Washington Medicaid programs (National Institute of Health)	July 2008– June 2010	\$142,714 (pending)

Transportation Research Program

Journal Articles

1. Christensen, GE, Geng, X, Kuhl, JG, Bruss, J, Grabowski, TJ, Pirwami, IA, Vannier, MW, Allen, JS, Damasio, H. (In press). Non-Rigid Image Registration Evaluation Project (NIREP) Initiative. */NeuroImage/*.
2. Hanley, PF, & Hopkins, LD. (2007). A Multiagent Simulation Model for the Study of Planning Behaviors. *Environment and Planning B: Planning and Design 2007*, 34, 6-27.
3. Kim, Y, Lee, H, & Heitzman, M. (2007). Validation of New Mix Design Procedure for Cold In-Place Recycling with Foamed Asphalt. *Journal of Materials in Civil Engineering*, ASCE (November), 19(11), 1000-1010.
4. Kim, Y. & Lee, H. (2007). Laboratory Evaluation of Color Polymer Concrete Pavement Using Synthetic Resin Binder for Exclusive Bus Lanes. *Transportation Research Record 2007*; 1991, 124-132.
5. Kim, J, Lee, H, Edwards, R. & Jacobsen, S. (2007). Laboratory Testing and Field Evaluation of Electrochemical Chloride Extraction Method to Reduce Corrosion in Rebar Embedded in Concrete. *Transportation Research Record 2007*; 1991, pp. 78-85.
6. Hetizman, M, Lee, H, Kim, J, Chen, D, & Jahren, C. (2007). Recycling/Reclaiming in Place of Failure. *Roads and Bridges* (May), 56-58.

Research Monographs

1. Lee, H. & Kim, Y. (2007). Development of Foamed Asphalt Mix Design Process for Iowa Department of Transportation: Phase II. *Final Report TR 474*.
2. Lee, H. and Kim, J. (2007). Evaluation of Long-term Field Performance of Cold In-place Recycled Roads: Field Distress Survey. *Final Report TR 502*.

Funded Research

National Evaluation of a Mileage-Based Road User Charge (Authorized and funded through the U.S. Congress)	Oct. 2006– Dec. 2009	\$14,850,000 (funded)
Foamed Asphalt Mix Design (Iowa Department of Transportation)	April 2001– June 2009	\$336,159 (funded)
Iowa Medicaid Transportation Needs Assessment (Iowa Department of Transportation)	Oct. 2006– Sept. 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 2008– June 2009	\$555,000 total PPC portion \$120,000 (funded)
Examination of Curing Criteria for Cold-In Place Recycling, Phase II (Iowa Department of Transportation)	April 2006– Mar. 2008	\$100,000 (funded)
Examination of Curing Criteria for Cold-In Place Recycling, Phase III (Iowa Department of Transportation)	Dec. 2007– May 2009	\$57,666 (funded)
Warm Asphalt Development (Korea Institute of Construction Technology)	Aug. 2007– June 2008	\$189,474 total \$76,075 contracted first two years (funded) \$25,000 (pending)
Pavement Thickness Design Software (Iowa Department of Transportation)	April 2008– Sept. 2009	\$50,000 (funded)
Interaction between Transportation Capacity, Economic Systems, and Land Use and Integrating Economic Considerations into Project Development. (SHRP2, U.S. Department of Transportation)	Feb. 2008– Jan. 2010	\$25,000 (funded)
Polymer Asphalt (Kumho Petrochemical Company)	Sept. 2007– Feb. 2008	\$22,000 (funded)
Polymer Asphalt (Kumho Petrochemical Company)	Mar. 2008– Jan. 2009	\$23,000 (pending)

Human Factors and Vehicle Safety Research Program

Journal Articles

1. McGehee, DV, Raby, M, Carney, CH, Reyes, ML, & Lee, JD. (2007). Extending parental mentoring using an event-triggered video intervention in rural teen drivers. *Journal of Safety Research*, 38, 15-227.
2. Lee, JD, McGehee, DV, Brown, TL, & Nakamoto, J. (2007). Driver sensitivity to brake pulse duration and magnitude. *Ergonomics*, 50(6), 828-836.

Books and Chapters

1. McGehee, DV, Lee, JD, Rizzo, M, & Boyle, LN. (2007). *Proceedings of the Fourth International Driving Symposium on Human Factors in Driving Assessment, Training, and Vehicle Design*. Iowa City: IA: The University of Iowa Public Policy Center.
2. Green, PA, and McGehee, DV. (2008). *Operationalizing driver performance measures. Handbook of Driving Simulators*. CRC Press.

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)
Use of Video Feedback in Urban Teen Driving (Iowa Department of Transportation and General Motors Corporation)	June 2006– Feb. 2008	\$240,000 (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– July 2012	\$75,000 (funded)
Use of Video Feedback (General Motors)		\$40,000 (pending)
Total Funded Research for the Public Policy Center		\$18,577,209
Total Pending Research for the Public Policy Center		\$ 5,730,714

Public Policy Center Faculty, Staff, and Students

PPC Staff

Cher Carney	Senior Research Assistant, Human Factors Research
Peter Damiano	Director, PPC, Professor, Preventive & Community Dentistry
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, Transportation Research
Jon Kuhl	Professor, Electrical and Computer Engineering & PPC
Hosin “David” Lee	Associate Professor, Civil and 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
Mireille Raby	Research & Development Project Leader, Human Factors Research
Kevin Sellers	Systems Analyst, Health Policy Research
Margaret Tyler	Research Assistant III, Health Policy Research
Belinda Udeh	Research Assistant III, Health Policy Research
Peggy Waters	Secretary II
Jean Willard	Senior Research Assistant, Health Policy Research

Affiliated Faculty

Robert Bacon	
M. Asghar Bhatti	Professor, Civil and Environmental Engineering & PPC
John Lee	Professor, Mechanical and Industrial Engineering & PPC
Ray Kuthy	Professor, Preventive & Community Dentistry & PPC
Jeff Murray	Professor, Neonatology & PPC
Corinne Peek-Asa	Professor, Occupational & Environmental Health & PPC
Andrew Penziner	Program Associate II, Policy & Planning Unit & PPC
Matt Rizzo	Professor, Neurology, Mechanical and Industrial Engineering & PPC

Students

Knute Carter	Graduate Research Assistant
Donald Chi	Graduate Research Assistant
Gavin Ferguson	Student Research Assistant
Jon Hathaway	Student Systems Analyst
Byung-Hee Han	Graduate Research Assistant
Erin Heiden	Graduate Research Assistant
Soohyok Im	Graduate Research Assistant
Adweta Joshi	Student Research Assistant
Ben Kober	Student Research Assistant
Nikhil Sikka	Graduate Research Assistant
Matthew Yohe	Computer Support