Activities During Academic Year 2009-2010

In 2009-2010, the PPC completed the first year of its NIH-funded Challenge Grant entitled \textit{Factors Related to Age at First Preventive Dental Visit for Medicaid-Enrolled Children}. In other highlights, the Center became home to the newly revamped Iowa Social Science Research Center (ISRC), a campus-wide resource to assist researchers in obtaining grants and conducting survey research. The PPC leadership also collaborated with Urban and Regional Planning on a successful faculty search as part of the university’s sustainability cluster hiring. This hire of an environmental economist will be the foundation of an Environmental Policy Research Program at the PPC. Finally, the 14.8 million dollar National Evaluation of a Mileage-Based Road User Charge study completed the second year of its field study.

The 2009-10 academic year was a very productive one for the faculty, staff and students of the PPC

- **34** grants through the Public Policy Center totaling **$21,509,044**. In addition:
  - **$6,678,486** is pending allocation and soon to be awarded

- **41** journal articles, monographs, research abstracts, conference proceedings papers, and book chapters including:
  - 19 journal articles published or in press
  - 6 research monographs or reports
  - 6 research abstracts
  - 5 conference proceedings papers
  - 5 books or chapters

- Convened **2 national symposia** for the Forkenbrock Series on Public Policy: \textit{Patient-Centered Medical Home} (featuring the College of Public Health’s Hansen Leadership Award and Distinguished Lecture), and \textit{Energy and Climate Change in the Midwest: Creating Opportunities in the New Economy}

- As part of the Forkenbrock Series, collaborated with the UI History Department to offer \textit{Policy Matters: Scholarly and Practical Perspectives on Contemporary Problems}, an \textbf{unprecedented series of forums} featuring nationally recognized experts sharing their views on pressing domestic policy issues. The discussions were listed as a course in Political Science and History and offered as free and open public lectures

- Mentored **13 MS** and **9 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 Departments of Human Services, Public Health and Transportation, as well as the Iowa State Senate and House

- Active on **12** university, **3** state, **4** federal and **1** international committees

- Addition of **new joint faculty**:
  - Aaron Strong, Public Policy Center, Urban & Regional Planning (Environmental Economics)

- Addition of **new affiliated faculty**:
  - Christopher Atchison, Hygenic Lab & College of Public Health
  - Jennifer Glass, Sociology & Women’s Studies
  - Carolyn Hartley, Social Work
  - Kevin Leicht, Sociology
PUBLIC POLICY CENTER

Activities During Academic Year 2009-2010

Health Policy Research Program

Journal Articles


Chalmers JM, Kuthy RA, Momany ET, Chi DL. Bacon RA, Lindgren SD, Askelson NM, Damiano PC. Dental

Research Monographs


Research Abstracts


Special Presentations/Activities


Damiano PC. Health Care Reform: Now that it is passed, what does it mean? Invited presentation to the Johnson County Task Force on Aging/Iowa City Hospice. Iowa City Pubic Library. June 2010.


Damiano PC. The Exchange. Invited participant to discuss health care reform on WSUI, the public radio station in Iowa City. April 2010.

Funded Research

ARRA: First preventive dental visit: Disparities in needs, costs + behavioral insights (US Department of Health and Human Services) Sep 2009– Sep 2011 $940,370 (funded)

Evaluation of the IowaCare program (Iowa Department of Human Services) Jul 2006– Jun 2011 $777,060 (funded)
Grants to states to support oral health workforce activities: Iowa’s effort to improve oral health workforce (Health Resources and Services Administration, DHHS) T12HP14992 (Kuthy – Principal Investigator)

- **Sep 2009– Aug 2012**: $599,692 (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
  - **Dec 2009– Aug 2012**: $173,000 (funded)
- **Evaluation of the MediPASS Medicaid Demonstration Project** (Iowa Department of Human Services)
  - **Jul 2007– Jun 2010**: $300,000 (funded)
- **MRDD Study Utilization**
  - **Iowa Department of Human Services**
  - **Robert Bacon, PI**
  - **Jul 2006– Sept 2010**: $162,000 (funded)
- **Evaluation of the MediPASS Medicaid Demonstration Project** (Iowa Department of Human Services)
  - **Jul 2010– Jun 2011**: $100,000 (funded)
- **Evaluation of the Iowa Medicaid Family Planning Waiver program** (Iowa Department of Human Services)
  - **Feb 2006– Jan 2011**: $100,000 (funded)
- **Iowa Child and Family Household Health Survey** (Iowa Department of Public Health)
  - **Dec 2009– Nov 2010**: $100,000 (funded)
- **Iowa eHealth Baseline Health Information Technology (Health IT) Assessment** (Iowa Department of Public Health)
  - **Apr 2010– Sep 2010**: $40,000 (funded)
- **2010 Iowa Household Health Survey planning grant** (Iowa Department of Public Health)
  - **Jan 2009– Dec 2009**: $30,000 (funded)
- **Iowa Consortium for Mental Health Services** (Iowa Department of Human Services)
  - **Beth Troutman, PI**
  - **Jul 2009– Jun 2011**: PPC portion $5,000 (funded)
- **Economic Impact of Colorectal Cancer Screening** (UIHC Holden Cancer Center)
  - **Jul 2009**: $1,500 (funded)
- **CHIPRA Quality Demonstration Project** (Center for Medicare and Medicaid Services)
  - **Mar 2010 – Feb 2015**: $16.3 million (pending)
  - **PPC portion $2M**
- **Impact of the Medical Home—Analyzing Quality Care, Feasibility and Business Care** (Des Moines University)
  - **USHHS, AHRQ**
  - **Jan 2011– Dec 2014**: $103,927 (pending)
Team-Based Simulation Training for Sepsis Management in the ICU (Des Moines University) USHHS, AHRQ Apr 2011– Mar 2014 $51,077 (pending)

Optimizing Patient Safety: Using Simulation in a Team-Based Approach for Sepsis (Iowa Health—Des Moines, USHHS, NIH) Oct 2010– Sep 2012 $36,987 (pending)

Transportation Research Program

Journal Articles


Conference Proceedings


Hanley PF and Kuhl J. (2010). National Mileage-Based Road User Charge – Lessons being learned in First Year. Presented to the 2nd Annual Mileage Based User Funding Symposium, Minnesota, MN, April. Published online at http://utcm.tamu.edu/mbuf/2010/presentations/


Presentations/Activities


Hanley PF and Kuhl J. National Mileage-Based Road User Charge – Lessons being learned in First Year. Presented to the 2nd Annual Mileage Based User Funding Symposium, Minnesota, MN, April 2010.


Hanley PF. Mileage Charge Options for Texas. Presented to the 5th Annual Texas Transportation Forum, Austin, TX, January 2010.

Hanley PF. Cost of a National Mileage-Based Road User Charge. Presented to the Iowa Chapter of the American Society of Civil Engineers Annual Conference, Ames, IA, November 2009.

Hanley PF. National Evaluation of a Mileage-Based Road User Charge: Phase 1 Field Test. Presented to Transportation Alternatives & Air Quality Summit, Moline, IL, September 2009.


**Funded Research**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Duration</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Evaluation of a Mileage-Based Road User Charge (Authorized and funded through the U.S. Congress)</td>
<td>Oct 2006–Dec 2010</td>
<td>$15,076,161 (funded)</td>
</tr>
<tr>
<td>Examination of Curing Criteria for Cold-In Place Recycling, Phase III (Iowa Department of Transportation)</td>
<td>Jul 2009–Dec 2010</td>
<td>$104,140 (funded)</td>
</tr>
<tr>
<td>Foamed Asphalt Mix Design Phase III (Iowa Department of Transportation)</td>
<td>Dec 2007–Dec 2009</td>
<td>$65,646 (funded)</td>
</tr>
<tr>
<td>Pavement Thickness Design Software (Iowa Department of Transportation)</td>
<td>Apr 2008–Sep 2009</td>
<td>$50,000 (funded)</td>
</tr>
<tr>
<td>Evaluation of Warm Mix Asphalt and High Reclaimed Asphalt Mixture for Safe Reliable and Environment Friendly Highway (Mid-America Transportation Center)</td>
<td>Mar 2008–Dec 2009</td>
<td>$50,000 (funded)</td>
</tr>
<tr>
<td>Evaluation of Warm Mix Asphalt and High Reclaimed Asphalt Mixture for Safe Reliable and Environment Friendly Highway, Phase II (Mid-America Transportation Center)</td>
<td>Jul 2009–Jul 2010</td>
<td>$50,000 (funded)</td>
</tr>
</tbody>
</table>
Education and Outreach
(Mid-American Transportation Center)
Jul 2008– Dec 2009 $41,557
(funded)

Development of Low Carbon and Low Cost Pavement, Phase II
(KICT)
Jun 2010– Dec 2010 $30,348
(funded)

Development of Low Carbon and Low Cost Pavement
(KICT)
Sep 2009– Nov 2009 $16,982
(funded)

Development of Quality Standards for Inclusion of High Recycled
Asphalt Pavement Content in Asphalt Mixtures
(Iowa Highway Research Board)
Aug 2010– Jul 2012 $150,000
(pending)

Accelerated Testing of Warm Asphalt Mixtures for Safe and Reliable
Freight Transportation
(Mid-America Transportation Center)
Jul 2010– Dec 2011 $50,000
(pending)

Quality Control/Quality Assurance Testing for Joint Density and
Segregation of Asphalt Mixtures
(Iowa Highway Research Board)
Aug 2010– Jul 2012 $50,000
(pending)

Evaluation of BASF’s Warm Mix Asphalt Mixtures
(BASF Corporation)
May 2010– May 2011 $25,000
(pending)

Use of High-Volume Reclaimed Asphalt Pavement (RPA) for Asphalt
Pavement Rehabilitation Due to Increased Highway Truck Traffic
Jul 2010– Dec 2011 $10,000
(pending)

Human Factors and Vehicle Safety Research Program

Journal Articles


Books and Chapters


Reports


Legislative Testimony

McGehee D. Iowa research data on Graduated Drivers Licensing. Joint House and Senate Transportation Committee Hearing, State Capital, Des Moines, Iowa

McGehee D. Iowa Data on text message distraction. Senate Transportation Committee Hearing, State Capital, Des Moines, Iowa

McGehee D. Iowa Data on text message distraction. House Transportation Committee Hearing, State Capital, Des Moines, Iowa

Special Presentations/Activities


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–Nov 2009 $421,639 (funded)

Super Novice Video Intervention Study (Westat) Sep 2008–Sep 2010 $264,371 (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)

Project PATH — Post-Accident Testing Heuristics  
(Cahill Swift, LLC)  
Sep 2009– Sep 2010 $414,247 PPC portion $159,790 (funded)

Moving Beyond Teen Crash Statistics: Go Team  
(Iowa DOT)  
Jan 2009– Dec 2010 $145,733 (funded)

In-Vehicle Video Monitoring and Feedback Intervention to Improve Teen Driving  
(US Department of Health and Human Services)  
Aug 2009– Sep 2010 $99,062 (funded)

Interface Review Tasks 1, 2, 3 (Potential)  
(DriveCam, Inc)  
Apr 2010– Aug 2010 $28,000 (funded)

Experimental Research on the Effect of Teenage Passengers on Teenage Driving Performance  
(Virginia Tech Transportation institute)  
Oct 2010– Sep 2013 $732,586 (pending)

An In-Vehicle Video Feedback and Parent Communication Intervention to Improve Teen Driving: A Random Controlled Trial  
(US Department of Health and Human Services)  
Oct 2010– Sep 2014 $371,488 (pending)

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**Social Science Research Program**

**Journal Articles**


Books


Reports


Special Presentations/Activities


Funded Research


Gender and Violent Victimization (National Institute of Justice, Department of Justice) 2007–2009 $302,613 total UI portion $128,000 (funded)

The Iowa Study on Promoting Successful Aging within Academic Institutions (TIAA-CREF)  Jan 2010–Jan 2011 $265,225 (funded)

SGER- The Effects of Severe Flooding on the Educational Development of Public School Students (National Science Foundation) Jul 2008–Aug 2010 $62,897 (funded)


Cross-National Variation in the Impact of Children on Parents’ Well Being (US NSF)  Sep 2010–Aug 2011 $74,000 (pending)
Housing and Land Use Policy Program

Journal Articles


Books and Chapters

Funded Research
Disaster Resilience for Rural Communities (American Planning Association via NSF) Oct 2010– Sep 2013 $175,000 (pending)

- Total Funded Research for the Public Policy Center $21,509,044
- Total Pending Research for the Public Policy Center $6,678,486
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
Beom Chon  Post-doc Scholar
Peter Damiano  Director, PPC, Professor, Preventive & Community Dentistry
Kristi Fitzpatrick  Associate Director, ISRC
Amy Gros-Louis  Professional Department Assistant
Lisa Halm-Warner  Field Operations Manager, ISRC
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
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
Daniel McGehee  Director, Human Factors Research, Adjunct Associate, MIE
Elizabeth Momany  Associate Research Scientist, Health Policy Research
Kevin Sellers  Systems Analyst, Health Policy Research
Michelle Reyes  Research Associate, Human Factors 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
Jennifer Glass  Professor, Sociology & Chair, Gender, Women’s & Sexuality Studies
Michael Jones  Professor, Biostatistics
John D. Lee  Professor, Industrial and Systems Engineering, Univ. of Wisconsin-Madison
Kevin Leicht  Professor, Sociology & Co-Director, Iowa Center for Inequality
Jeff Murray  Professor, Neonatology & PPC
Corinne Peek-Asa  Professor, Occupational & Environmental Health & PPC
Mireille Raby  Research & Development Project Leader, Human Factors Research
Matt Rizzo  Professor, Neurology, MIE & PPC
Thomas Schnell  Associate Professor, MIE

Students

David Blanco  Student Research Assistant
Knute Carter  Graduate Research Assistant
Donald Chi  Graduate Research Assistant
Alana Croco  Student Research Assistant
Catherine Found  Student Research Assistant
Lindsay LaFayette  Clerical Assistant
Nick Hatz  Graduate Research Assistant
Adweta Joshi  Graduate Research Assistant
Kristi Law  Graduate Research Assistant
Susan McKernan  Graduate Research Assistant
Brock Nelson  Student Research Assistant
Ki Hyung Park  Graduate Research Assistant
Bhagyashree Pendharkar  Graduate Research Assistant
Esperanza Pinto-Martinez  Student Research Assistant
Hannah Shultz  Student Research Assistant
Nikhil Sikka  Graduate Research Assistant
Alex Sukalski  IT Support
Beth Westlake  Graduate Research Assistant
Matthew Yohe  IT Support