

Timothy M. Bray, Ph.D.
Institute for Urban Policy Research
The University of Texas at Dallas

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I. Educational History

University of Missouri – St. Louis **2003**

- Doctor of Philosophy in Criminology and Criminal Justice
- Dissertation: *The Effect of Socioeconomic Disadvantage and Racial Isolation on Neighborhood Homicide*
- Advisor: Dr. Richard Rosenfeld

University of Missouri – St. Louis **1998**

- Master of Arts in Criminology and Criminal Justice

University of Missouri – St. Louis **1994**

- Bachelor of Science in Criminology and Criminal Justice
- Minor in Psychology

II. Employment History

2002-Present University of Texas at Dallas **Richardson, Texas**

- Director, Institute for Urban Policy Research 2008-Present
- Clinical Assistant Professor 2006-Present
- Assistant Professor 2002-2006

2005-2008 J. McDonald Williams Institute **Dallas, Texas**

- Director 2007-2008
- Associate Director 2005-2007

1998-2002 Illinois State Police **Springfield, Illinois**

- Assistant Bureau Chief, Research and Development Bureau 2001-2002
- Strategic Development Advisor, Office of the Director 1999-2001
- Research Analyst, Strategic Planning and Analysis Bureau 1998-1999

1997-1998 University of Missouri – St. Louis **St. Louis, Missouri**

- Graduate Teaching and Research Assistant

1992-1997 St. Louis County Police Department **St. Louis, Missouri**

- Police Planner 1995-1997
- Police Dispatcher 1992-1995

III. Professional and Honorary Affiliations and Awards

Memberships

National Consortium on Violence Research	2004-Present
American Society of Criminology	1997-Present
American Sociological Association	2003-Present
<ul style="list-style-type: none"> • Crime, Law, and Deviance Section • Community and Urban Sociology 	
American Statistical Association	2003-Present
<ul style="list-style-type: none"> • Government Statistics Section • Social Statistics Section • Statistical Consulting • North Texas Chapter 	
Academy of Criminal Justice Sciences	1997-Present
North Texas Social Research Consortium	2007 - Present
Phi Kappa Phi National Honor Society	1994-Present

Awards and Fellowships

South Fair Community Development Corporation Community Impact Award	2009
Center for Spatially Integrated Social Science Scholarship Recipient	2004
Illinois State Police Achievement Medal	2002
National Consortium on Violence Research Pre-Doctoral Fellowship	1998 – 2000

IV. Accomplishments in Original Investigation

Refereed Publications

Journal Publications

Sample, Lisa L. and Timothy M. Bray. (2006) Are sex offenders different? An examination of re-arrest patterns. *Criminal Justice Policy Review* 17: 83-102.

Sample, Lisa L. and Timothy M. Bray. (2003). Predicting sex offending from criminal offense history. *Criminology & Public Policy* 3: 59-82.

Rosenfeld, Richard, Timothy M. Bray, and H. Arlen Egley. (1999). Facilitating violence: A comparison of gang-motivated, gang-affiliated, and non-gang youth homicides. *Journal of Quantitative Criminology* 15: 495-516.

Book Chapters

Bray, Timothy M., Lisa L. Sample, and Kimberly Kempf-Leonard. (2005). “‘Justice by Geography’: Racial Disparity and Juvenile Courts.” In Darnell Hawkins and Kimberly Kempf-Leonard (eds.), *Our Children, Their Children: Confronting Race and Ethnic Differences in American Criminal Justice*. Chicago: University of Chicago Press.

Burruss, George W. and Timothy M. Bray. (2004). “Confidence Intervals.” In Kimberly Kempf-Leonard (ed.), *Encyclopedia of Social Measurement*. San Diego: Academic Press.

Curtin, Kevin M., Fang Qiu, Karen L. Hayslett-McCall, and Timothy M. Bray. (2004). “Using Location Science and Geographic Information Systems to Determine the Optimal Spatial Distribution of Police Patrol Areas.” In Fahui Wang (ed.), *Geographic Information Systems and Crime Analysis*. Hershey, PA: Idea Group.

Other Writings

Encyclopedia Entries

Bray, Timothy M. (2005). “Strategic Policing” and “Crime Trends,” in Phyllis Gerstenfeld, Ed., *Criminal Justice*. Pasadena, CA: Salem Press.

Editorial and Opinion Pieces

Bray, Timothy M. (Submitted 2008, June 16). “It’s time for the philanthropic community to back research on social disparities.” *Dallas Morning News Viewpoints*.

Martin, Albert, and Timothy M. Bray. (2008, January 3). “North Texas needs a regional housing policy.” *Dallas Morning News Viewpoints*.

Bray, Timothy M. (2007, April 6). “Dallas is not as dangerous as you think.” *Dallas Morning News Viewpoints*.

Selected Research and Statistical Briefs

Bray, Timothy M. (2008). “2008 Wholeness Index Update.” Dallas: Institute for Urban Policy Research.

Bray, Timothy M. (2007). “Is Dallas Becoming More Whole? 2007 Wholeness Index Summary report.” Dallas: J. McDonald Williams Institute.

Bray, Timothy M. (2006). “Is Dallas a Whole City? 2006 Wholeness Index Summary Report.” Dallas: J. McDonald Williams Institute.

Martin, Marcus, Timothy M. Bray, and Cecilia Edwards. (2006). “Charity and Social Justice: What Do We Owe the Poor?” Dallas: J. McDonald Williams Institute.

Flannery, Erin, Cecilia Edwards, Marcus Martin, Timothy M. Bray. (2006). “Frazier: Dallas’ Lower Ninth Ward?” Dallas: J. McDonald Williams Institute.

Bray, Timothy M., Marcus Martin, and Cecilia Edwards. (2005). “The Frazier Neighborhood: A Statistical Brief.” Dallas: Foundation for Community Empowerment.

Bray, Timothy M., Marcus Martin, and Cecilia Edwards. (2005). "Crime in the Frazier Courts Area: A Statistical Brief." Dallas: Foundation for Community Empowerment.

Technical Reports and Training Materials

Bray, Timothy M. and Karen L. Hayslett-McCall. "Weapons of Mass Destruction – What Every Officer Should Know." Developed six of eleven-course training modules for law enforcement officers, including performance evaluation measures: *Introduction to Weapons of Mass Destruction, Incident Command System in WMD Incidents, Using Protective Equipment, Media Relations in WMD Incidents, Planning and Assessing Your Risk, and Response Strategies for WMD Incidents.*

Sample, Lisa, Kimberly Kempf-Leonard, and Timothy M. Bray. "Influence of court location in certification decisions: Justice by geography."

Invited and Refereed Presentations

Invited Presentations

Bray, Timothy M. (2009). "Ujima In a Time of Community Change." Keynote Speaker: 2009 Ujima Awards.

Bray, Timothy M. (2009). "The Need for a Regional Housing Perspective." Invited Speaker: North Texas Housing Coalition.

Bray, Timothy M. (2008). "The Affordable Housing Spectrum." Invited Speaker at North Texas Commission Board Meeting.

Bray, Timothy M. (2008). "'...And So We Must Act Anew:’ Comments on Dallas." Invited Keynote Speaker at Community Foundation of Texas Inaugural Next Generation Philanthropy Event.

Bray, Timothy M. (2008). "'Those Who Cannot Hear Shall Feel': Three Simple Rules for Indicator Projects." Invited Presenter at the 2008 San Antonio Community Development Conference.

Bray, Timothy M. (2008). "The Importance of Leadership and Character Education for Troubled Youth." Invited Luncheon Speaker for Dallas Social Venture Partners Meeting.

Bray, Timothy M., Tara Green, Albert Martin, and Dan Petty. (2008). "The Big Game – Applying Regional Cooperation to Affordable Housing." Invited Luncheon Plenary for Ninth Annual North Texas Housing Coalition Housing Summit.

Bray, Timothy M. (2008). "SEED and Community Empowerment: Measurement as Accountability Tool". Invited Presenter for the SEED Workshop Meetings in Dallas, Texas.

Bray, Timothy M. (2007). "The State of Neighborhood Indicators: Is Democratizing Data Enough?". Invited Panelist for Stanford University's *Media X* Program in Palo Alto, California.

Bray, Timothy M. (2007). "Wholeness as a Tool for Successful Development." Invited Speaker at Annual Meeting of United States Federal Reserve Bank Vice Presidents of Community Affairs.

Bray, Timothy M. (2007). "Is Dallas Becoming More Whole?" Invited Plenary Speaker for Third Annual J. McDonald Williams Institute Conference.

Bray, Timothy M. (2006). "Is Dallas a Whole City?" Invited Plenary Speaker for Second Annual J. McDonald Williams Institute Conference.

Bray, Timothy M. (2005). "Crime in Dallas." Invited Panelist for the First Annual J. McDonald Williams Institute Conference.

Bray, Timothy M. (2005). "We Know Where We're Going; How Will We Know When We Get There?" Research and Planning as Tools for Better Public Service. Invited Presentation for the Annual Save-A-Life Summit hosted by the Texas Department of Transportation: Austin, TX.

Bray, Timothy M. (2005). Child Safety Zones: Using GIS to Assess Public Policy Impact. Invited Presentation for the Eighth Annual International Crime Mapping Research Conference. Savannah, GA.

Bray, Timothy M. (2005). Introducing Space in a Non-Spatial Context. Invited Presentation for the Winter Meetings of the University Consortium for Geographic Information Science. Washington, DC.

Bray, Timothy M. (2004). The Liquidity of Crime: A Case for Fluid Beat Boundaries. Invited Presentation for the Seventh Annual International Crime Mapping Research Conference. Boston, MA.

Professional Presentations

Bray, Timothy M. (2006). Private vs. Public Cameras: A Proposed Analysis in Dallas. American Society of Criminology, Los Angeles, CA.

Bray, Timothy M. (2005). Racial Profiling: How Do We Measure Over-Representation? American Society of Criminology. Toronto, ON.

Bray, Timothy M. (2003). Assessing Systemic Social Disorganization Theory: An Application of City Police Data to City Problems. Selected for a Presidential Panel (Peer Reviewed). American Society of Criminology. Denver, CO.

Qiu, Fang and Timothy M. Bray. (2003). Design of New Crime Analysis Tools. Selected for a Presidential Panel (Peer Reviewed). American Society of Criminology. Denver, CO.

Non-refereed Presentations

Professional Presentations

Bray, Timothy M. (2007). Using GIS to Address Multiple Measurement Geographies. ESRI Annual Conference, San Diego, CA.

Bray, Timothy M. (2002). Systemic Social Disorganization Theory – An Empirical Test. American Society of Criminology. Chicago, IL.

Sample, Lisa L. and Timothy M. Bray (2002). Assessing the Deterrent Effects of Sex Offender Laws. American Society of Criminology. Chicago, IL.

Bray, Timothy M. (2001). *The Systemic Model of Social Disorganization – Assessing Public Controls with Hierarchical Modeling Techniques*. American Society of Criminology. Atlanta, GA

Sample, Lisa L. and Timothy M. Bray. (2001). *Racial Disparity: Is It Due to “Justice by Geography?”* American Society of Criminology. Atlanta, GA.

Bray, Timothy M. (2000). *The Effect of Socio-Economic Disadvantage and Racial Composition on Neighborhood Homicide: An Application of the Massey-Denton Racial Concentration Index*. American Society of Criminology. San Francisco, CA.

Sample, Lisa L. and Timothy M. Bray. (2000). *Are Sex Offenders Different? An Analysis of Re-Arrest Patterns*. American Society of Criminology. San Francisco, CA.

Bray, Timothy M. (1999). *Islands of Disadvantage: Employing Multi-Level Modeling Techniques to Explore the Relationship Between Race, Socioeconomic Disadvantage, and Homicide*. American Society of Criminology. Toronto, ON.

Sample, Lisa L. and Timothy M. Bray. (1999). *Predicting Sex Offending From Criminal Offense History - A Collaborative Approach*. American Society of Criminology. Toronto, ON.

Bray, Timothy M., H. Arlen Egley, and Richard Rosenfeld. (1998). *Distinction Without A Difference – Gang Affiliated, Gang Motivated, and Non-Gang Youth Homicide in St. Louis, 1990-1995*. American Society of Criminology. Washington, DC.

Bray, Timothy M. (1998). *Balancing the Scale: Police – University Partnerships in Criminal Justice Research*. Academy of Criminal Justice Sciences, Albuquerque. NM.

Rosenfeld, Richard and Timothy M. Bray. (1997). *The Impact of Neighborhood Disadvantage and Racial Composition on Youth Homicide: Race, Place, and Risk Revisited*. American Society of Criminology. San Diego, CA.

Works in Progress

In Preparation

Bray, Timothy M. *The Effects of Child Safety Zones on Public Safety*.

Bray, Timothy M. *The Use of Census Microdata in Racial Profiling Analyses*.

Bray, Timothy M. *The Liquidity of Crime: A Case for Fluid Beat Boundaries*.

Bray, Timothy M. *Assessing Systemic Social Disorganization Theory: An Application of City Police Data to City Problems*.

Bray, Timothy M. *Advanced Measures of Segregation – Do They Outperform Simple Composition in Predicting Violent Crime?*

Bray, Timothy M. *The Impact of Spatially Non-Random Sampling on Statistical Indicators of Clustering*.

External Funding

Funded Proposals

- The Dallas Morning News** **2008**
Researching the Dallas North-South Gap *\$35,000*
 Sponsored research by *The Dallas Morning News*,
- The Hoblitzelle Foundation** **2008**
Developing the North Texas Indicators System *\$75,000*
 Grant awarded by the Hoblitzelle Foundation to fund the core technology component of the North Texas Indicators Project, an online, interactive mapping, charting, and graphing program for community indicators in the North Texas region.
- The Dallas Foundation** **2008**
Dallas Indicators and DFW IDEA *\$85,000*
 Grant awarded by the Dallas Foundation to fund the final year of the Dallas Indicators online community indicators system, with partial funding for its transition to the DFW IDEA system.
- Capital One** **2007**
South Dallas Community Needs Assessment *\$25,000*
 Grant awarded by Capital One to conduct household surveys in the South Dallas Neighborhood, a neighborhood rich in character, but suffering some of the more pressing economic and social problems of our time.
- Illinois State Police** **2005**
Understanding Racial Profiling in Illinois *\$15,646.67*
 Contract awarded by Illinois State Police to explore and model racial profiling data collected from Illinois State Police Officers.
- Department of Justice** **2008**
Dallas ISD Gang Prevention/Intervention Program: A Multi-Site, Multi-Component Program Evaluation *\$491,106*
 Tracy, Paul (Principal Investigator), Timothy M. Bray, and Danielle Lavin-Loucks. (2008). A holistic program evaluation for the Dallas Independent School District's gang intervention programming, with particular attention to two of the nationally renowned service providers who focus on youth in need.

Unfunded Proposals

- National Institute of Health** **2007**
Community Based Participatory Approach to Preventing Diabetes in South Dallas *\$225,000*
 Bray, Timothy M. (Principal Investigator), Robert Mayberry (Co-Principal Investigator). (2007). Developing community-based participatory approaches to diabetes prevention and piloting them in South Dallas, a historically African-American community with high incidence of Diabetes.

- Templeton Foundation Advanced Research Foundation** **2005**
Religion, Spirituality, Healing, and Health Outcomes \$1,000,000
 Walton, James (Principal Investigator), Timothy M. Bray, Marcus Martin, M. Harvey Brenner (Co-Principal Investigators). (2005). Exploring the Link Between Health Disparities, Religiosity, and Spirituality in a Clinical Setting (Letter of Intent).
- National Science Foundation** **2005**
Human and Social Dynamics \$487,927.00
 Wing, Michael G. (Principal Investigator), Timothy M. Bray, and Joanne Tynon (Co-Principal Investigators). (2005). Spatial Analysis of Crime in America's Forests.
- National Institute of Justice** **2004**
General Forensics Research and Development \$482,175.00
 Bray, Timothy M. (Principal Investigator), Carlos L. V. Aiken, Karen L. Hayslett-McCall, and Xueming Xu (Co-Principal Investigators). (2004). Preserving Crime Scene Evidence Using GIS-Based Three-Dimensional Photorealistic Virtual Models: A Concept Paper.
- Smith Richardson Foundation** **2004**
Domestic Public Policy Fellowship \$54,502.67
 Hayslett-McCall, Karen L. (Principal Investigator) and Timothy M. Bray (Co-Principal Investigator). (2004). School and Neighborhood Effects on Juvenile Recidivism.
- National Institute of Justice** **2003**
Investigator Initiated Research Solicitation \$290,346.00
 Karen L. Hayslett-McCall (Principal Investigator), Timothy M. Bray (Co-Principal Investigator), and Jennifer Holmes. Holding the Line? Assessing Community Perceptions of Preparedness Measures Taken By Law Enforcement.
- Solicitation for Research on Terrorism* \$610,674.67
 Timothy M. Bray (Principal Investigator), Karen L. Hayslett-McCall (Co-Principal Investigator), Jennifer S. Holmes, Danielle Lavin-Loucks, Radha Krishnan, E. Douglas Harris, Robert W. Taylor, Kathy J. Rinnert, Paul E. Pepe, Richard K. Scotch. Using Technology to Improve Communications for Public Safety.
- Crime Mapping Solicitation* \$122,881.00
 Karen L. Hayslett-McCall (Principal Investigator), Timothy M. Bray (Co-Principal Investigator), Kevin Curtin, Fang Qiu, and James Murdoch. A Geospatial Investigation of Crime Rates, Beat Boundaries, and the Journey to Crime.
- Association for Public Policy Analysis and Management** **2003**
National Survey of American Families \$19,943.30
 Karen L. Hayslett-McCall (Principal Investigator), Timothy M. Bray (Co-Principal Investigator). Attachment and Well-Being: An Investigation of the Social and Economic Issues Affecting Disadvantaged Families.

V. Teaching

Doctoral Dissertation Advisement / Direction

Dissertation Committee Member

- Jacqueline Zee Present
- Jesse Porter Present
- Steven Downing Spring, 2008

Bachelors Honors Advisement / Direction

Second Reader on Honors Theses

- Patricia Lister Fall, 2004
- Tara Swayzee Fall, 2002

Administration and Curricular Development

Committee-Related Activity

Ad Hoc Quantitative Methods Curricula Committee 2008 – Present

School-wide committee charged with redesigning and aligning the schools diverse quantitative methodology courses.

Public Policy and Political Economy Methods Qualifying Committee 2008 – Present

Program committee charged with drafting, administering, and grading the methodology qualifying examination for doctoral students in the Public Policy and Political Economy graduate program.

Crime & Justice Studies Curriculum Committee 2002 – 2006

Program committee to evaluate existing undergraduate crime and justice studies curriculum and develop graduate (master's and doctoral) curriculum in Criminology.

Math Assessment Committee 2002 – 2004

Represent School of Social Science statistics instructors on campus-wide committee to develop documentation procedures for compliance with University System's math curriculum standards.

Sociology Curriculum Committee 2002 – 2003

Course Development

Analyzing Crime Spring, 2006
Created

Extent of Crime and Criminals (Graduate) Fall, 2005
Created

Introduction to Social Statistics Spring, 2004
Revised

Communities and Crime Spring, 2003
Created

Current Issues in Policing
Created

Classroom Teaching

- SOCS 3305 – Introduction to Social Statistics
- CJS 1301 – Introduction to Criminal Justice
- CJS 1307 – Introduction to Crime and Criminology
- CJS 3302 – Advanced Criminology
- CJS 4323 – Communities and Crime
- CJS 4314 – Current Issues in Policing
- CJS 4321 – Analyzing Crime
- POEC 5313 – Descriptive and Inferential Statistics (Graduate)
- POEC 5316 – Advanced Regression Analysis (Graduate)
- POEC 6304 – Correlates of Crime (Graduate)
- POEC 6307 – Extent of Crime and Criminals (Graduate)

VI. Service

Professional Service

Standing Committees and Boards

- Executive Committee, Urban Institute National Neighborhood Indicators Partnership 2008- Present
- Board of Directors, North Texas Housing Coalition 2008-Present
- Technical Advisory Committee, STAR Community Index 2008-Present

Ad-Hoc Grant Application Reviews

- National Science Foundation 2008
- National Science Foundation 2004

Ad-Hoc Manuscript Reviews

- Law and Social Inquiry 2008
- Criminology 2002, 2007
- American Journal of Political Science 2006
- Justice Quarterly 2005
- Journal of Research in Crime and Delinquency 2001-2002, 2005
- Journal of Crime and Justice 2006
- MacArthur Network on Juvenile Justice 2002
- Sociological Spectrum 2002-2005
- Sociological Perspectives 2002
- Allyn-Bacon/Longman Textbooks 2004
- Wadsworth/Thomson Textbooks 2004-2005
- Prentice Hall Textbooks 2005

University Service

Campus

- Outside Chair, Doctoral Examination Committee 2005
Chad Wesley Airhart
- Academic Senate 2003-2004
- Outside Chair, Doctoral Examination Committee 2003
Claudia Schmegner

School

Committee Service

- Crime & Justice Studies Search Committee 2002-2004

Presentations and Speaking Engagements

- School of Social Science Workshop Series 2003
- Presentation to UTD Scholars Weekend 2003

Other Service

- School of Social Science Student Picnic 2002, 2004

Community Service

Committee Service

- Safer Dallas, Better Dallas Steering Committee 2006-Present
- North Texas Electronic Crimes Task Force 2002-2006
- Safety Committee, St. Jude Catholic Church 2005-Present

Print Media Interviews

- Dallas Morning News October, 2008
- Dallas Morning News August, 2008
- Dallas Morning News June, 2008
- Dallas Morning News December, 2007
- Dallas Morning News August 2007
- Dallas Morning News July 2007
- Dallas Morning News June 2007
- Dallas Morning News May 2007
- Dallas Morning News December 2007
- Dallas Morning News October 2007 (3)
- Dallas Morning News August 2007
- Dallas Morning News March 2007
- Dallas Morning News October 2006
- Dallas Observer October 2006
- Dallas Morning News August, 2005
- Dallas Morning News May 2005
- Dallas Observer May 2005
- Dallas Morning News May 2004
- Ottawa Citizen April 2004
- Dallas Morning News February 2004

- Dallas Morning News June 2003
- Dallas Morning News March 2003

Television, Video, and Radio Interviews and Appearances

- KERA Radio (Dallas NPR Affiliate) October, 2008
- KDFW TV (Dallas FOX Affiliate) January 2008
- KTVT TV (Dallas CBS Affiliate) November 2007
- WBAP Radio (Dallas ABC Affiliate) October 2007
- KDAF TV (Dallas Independent) October 2007
- KDFW TV (Dallas FOX Affiliate) October 2007
- KTVT TV (Dallas CBS Affiliate) October 2007
- KDFW TV (Dallas FOX Affiliate) May 2007
- WBAP Radio (Dallas ABC Affiliate) October 2006
- The Mark Christopher Show (Syndicated Radio Talk) October 2006
- KRLD Radio (Dallas CBS Affiliate) October 2006
- KTVT TV (Dallas CBS Affiliate) March 2005
- KTVT TV (Dallas CBS Affiliate) July 2004
- KDAF TV (Dallas Independent) June 2004
- KTVT TV (Dallas CBS Affiliate) February 2004
- LETN TV (Primedia Satellite Network) August 2003
- KTVT TV (Dallas CBS Affiliate) June 2003
- KTVT TV (Dallas CBS Affiliate) October 2002

Informational Interviews

- Steven Balla, George Washington University June 2008
- Lindsay Astarita, Northeastern University Student March 2005
- Tom Hayden, Former California State Senator June 2003

Professional Service Presentations

- American Society of Industrial Security – Dallas Chapter July 2003
- Safe Environment Training – St. Jude Parish 2004-2006

Non-Academic Community Service

- Ethics Committee, Allen Sports Association 2007-Present
- Coach, Allen Youth Soccer Association 2007-Present
- Eucharistic Minister, Lector, and Usher, St. Jude Parish 2007-Present
- Safe Environment Committee, St. Jude Parish 2005-Present
- Story Elementary School Parent Teacher Association 2003-Present
- North Collin County Adventure Guides 2003-Present