

Timothy J. Kerns, MS
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Education

- The Johns Hopkins University, Baltimore, MD
 - 1982-1986, Bachelor of Arts, Natural Science
 - University of Maryland, Baltimore County
 - 1986-1988, Masters of Science, Epidemiology and Preventive Medicine
 - University of Maryland, Eastern Shore
 - 1988-1989, Environmental Science
 - University of Maryland Baltimore
 - 2008-present, PhD candidate, Epidemiology
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Relevant Employment History

January 2014-present

Safety Systems Analyst
Traffic Safety Analysis Systems and Services, Inc.
Grove City, Ohio 43123

- Provide technical assistance to TSASS in the general area of traffic safety systems and traffic safety programs
- Assist with state and national level workshops and training on highway safety programs and highway safety systems

January 2007-December 2013

Traffic Records Assessor
Independent Contractor, National Highway Traffic Safety Administration
Rising Sun, MD 21911

- Focus on the use of injury surveillance systems in conjunction with other traffic records system components
- Evaluate written responses to questions and develop a final report describing the system's strengths and opportunities for improvement

Spring 1996

Instructor Research Methodology
Department of Emergency Health Services, University of Maryland - Baltimore County
Catonsville, MD 21228

- Prepare and present course materials
- Develop, proctor, and grade exams

- Maintain office hours to discuss course material with students

February 1990-present

Project Director (2013-present)

Database Engineer (1998-2013)

Research Assistant (1990-1997)

University of Maryland Baltimore

National Study Center for Trauma and EMS

Baltimore, Maryland 21201

- Serve as project manager for the Maryland Center for Traffic Safety and Analysis project grant with the State's Highway Safety Office
- Conduct analysis using a variety of state and federal databases relating to highway safety including crash, driver, vehicle and injury surveillance systems
- Work closely with directors of state and local agencies to provide guidance and assistance in the design, development, and evaluation of highway safety projects
- Work with the State Highway Safety Office to develop and teach the data module for their LETEP (Leading Effective Traffic Enforcement Programs) training

Professional Affiliations

- Association of Traffic Safety Information Professionals, Executive Board Member
- American Trauma Society, Maryland Division, Executive Board Member

Major Publications Related to Traffic Safety (2009-present)

- Beck, Kenneth H., Yan, Alice F., Wang, Min Qi, Kerns, Timothy J. and Burch, Cynthia A. The relationship between impaired driving crashes and beliefs about impaired driving: Do residents in high crash rate counties have greater concerns about impaired driving? *Traffic Injury Prevention*, 2009;10(2), 127-133.
- Soderstrom CA, Scottino MA, Joyce JJ, Burch C, Ho SM, Kerns TJ. Pursuit of Licensure by Senior Drivers Referred by Police to a State Licensing Agency's Medical Advisory Board. *Ann Adv Automot Med*. 2009 Oct;53:105-116
- O'Connor JV, Kufera JA, Kerns TJ, Stein DM, Ho SM, Dischinger PC, Scalea TM. Crash and Occupant Predictors of Pulmonary Contusion. *J Trauma* 2009 Apr;66(4), 1091-1095.
- Ryb GE, Dischinger PC, Kerns TJ, Burch CA. Crash Test Ratings and Real-World Frontal Crash Outcomes: A CIREN Study. Accepted to *Journal of Trauma* February 2010.
- Soderstrom CA, Scottino MA, Burch CA, Ho SM, Kerns TJ, Joyce JJ. Pursuit of licensure by senior drivers referred by police to a state licensing agency's Medical Advisory Board. *Ann Adv Automot Med*. 2010;54:351-8.
- Ryb GE, Dischinger PC, Burch CA, Kerns TJ, Kufera J, Andersen D. Frailty and injury causation. *Ann Adv Automot Med*. 2012;56:175-81.