

CURRICULUM VITAE

Cynthia Burch MPH

EDUCATION:

- Undergraduate:
1999 B.S., Biology
Emory University
Atlanta, GA.
- Graduate:
2000 MPH, Epidemiology and Preventive Medicine concentration
Medical College of Virginia, Virginia Commonwealth University
Richmond, VA.
- 2008-present PhD, Epidemiology
University of Maryland, Baltimore
Baltimore, MD.

PROFESSIONAL ACTIVITIES:

- 2001-2004 Research Analyst
National Study Center for Trauma and EMS
University of Maryland - Baltimore
- 2004-2005 Epidemiologist/Traffic Records Coordinator
Governor's Office of Highway Safety
Atlanta, GA
- 2005-2013 Epidemiologist
National Study Center for Trauma and EMS
University of Maryland – Baltimore
- 2013-present Senior Epidemiologist
National Study Center for Trauma and EMS
University of Maryland - Baltimore
Current Activities:
- Crash Outcome Data Evaluation System – Analyst
 - Crash Injury Research and Engineering Network – Data Coordinator
 - Maryland Highway Safety Office
 - Maryland Center for Traffic Safety Analysis (MCTSA) – Data Coordinator

- Fogarty Clinical & Epidemiological Research Training Program – International Injury Prevention Research Training – Instructor (2012-2014)
- Prince George’s Hospital Center – Public Health Training Program – Course Master and Instructor (2014)

PROFESSIONAL AFFILIATIONS

American Public Health Association - past member
 Association of Traffic Safety Information Professionals – 1st Vice President and 2013 Program Chair
 Association for the Advancement of Automotive Medicine – past member
 National Highway Traffic Safety Administration (NHTSA) Traffic Records Assessment Team Member 2008-present

MEMBERSHIPS

Maryland Traffic Records Coordinating Committee, Technical Council

Maryland Partnership for Injury Prevention

Maryland Highway Safety Office

- Occupant Protection Task Force
- Impaired Driving Coalition
- Motorcycle Safety Task Force
- Young Driver Task Force
- Strategic Highway Safety Plan Planning Committee

ABSTRACTS

1. Burch C, Kerns T, Dischinger P, Kufera J. “Before and After Graduated Licensing: Crash Patterns in 16 Year-old Maryland Drivers.” 130th Annual Meeting of the American Public Health Association, November 2002.
2. Burch C, Kerns T, Dischinger P, Kufera J. Crash patterns in young Maryland drivers: Before and after the new Graduated Drivers Licensing System (GDL). Traffic Records Forum 2003 Annual Meeting.
3. Burch C, Kerns T, Dischinger P, Kufera J. Risky Driving Behavior Among Teen Drivers in Maryland. Traffic Records Forum 2006 Annual Meeting.
4. Burch C, Kerns T. Young Drivers in Maryland: How are they crashing and how do we get them to stop? Traffic Records Forum 2007 Annual Meeting.
5. Burch C, Kerns T. Maryland CODES and the Elderly Model. Traffic Records Forum 2007 Annual Meeting.
6. Burch C. Young Drivers in Maryland: How are they crashing and how do we get them to stop? Traffic Records Forum 2007 Annual Meeting.
7. Burch C, Kerns T. KABCO and MAIS. Traffic Records Forum 2008 Annual Meeting.

8. Burch C, Kerns T. Maryland Motorcycle Crashes and the use of Novelty Helmets. Lifesavers Conference 2008.
9. Burch C, Kerns T. KABCO and MAIS. Traffic Records Forum 2009 Annual Meeting.
10. Burch C, Milani J. When dog food makers market a new and improved taste...who tests it? How the Health Community can address the Communication Gap in Traffic Safety. Traffic Records Forum 2010 Annual Meeting.
11. Burch C. Maryland's Driver Licensing System Data Improvement: Collecting and Linking Critical Motorcycle Safety Data. Traffic Records Forum 2011 Annual Meeting.
12. Burch C. Maryland's Motorcycle Crash Picture. State Motorcycle Safety Administrators (SMSA) 2012 Annual Meeting.
13. Burch C. Maryland's Motorcycle Crash Picture. Traffic Records Forum 2012 Annual Meeting.
14. Burch C., Milani J. Measuring and Evaluating Your Motorcycle Safety Program – Why it is Important and How to Get Started. State Motorcycle Safety Administrators (SMSA) 2013 Annual Meeting.

PUBLICATIONS

1. Dischinger PC, Ho SM, Kufera JA, Kerns TJ, Burch CA. Older drivers: Crashes, injuries and outcomes *Proceedings of the 6th World Conference on Injury Prevention and Control*: 297-298, 2002.
2. Read KM, Kufera JA, Dischinger PC, Kerns TJ, Burgess AR, Ho SM, Burch CA. Crash outcomes and psychosocial effects (COPE). *Proceedings of the 4th International Conference on Measuring the Burden of Injury*: 88-95, 2002.
3. Read KM, Burgess AR, Dischinger PC, Kufera JA, Kerns TJ, Ho SM, Burch CA. Psychosocial and physical factors associated with lower extremity injury. *Proceedings of the Association for the Advancement of Automotive Medicine Conference* 46:289-303, 2002.
4. Dischinger PC, Read KM, Kerns TJ, Ho SM, Kufera JA, Burch CA, Jawed N. Causes and outcomes of mild traumatic brain injury: An analysis of CIREN data. *Proceedings of the Association for the Advancement of Automotive Medicine Conference* 47:577-589, 2003.
5. Dischinger PC, Read KM, Kufera JA, Kerns TJ, Burch CA, Jawed N, Ho SM. Consequences and costs of lower extremity injuries. *Proceedings of the Association for the Advancement of Automotive Medicine Conference* 48:339-353, 2004.
6. Read KM, Kufera JA, Dischinger PC, Kerns TJ, Ho SM, Burgess AR, Burch CA. Life-altering outcomes after lower extremity injury sustained in motor vehicle crashes. *J Trauma* 57(4):815-823, October 2004.
7. Dischinger, PC., Read, K.M., Kufera, J.A., Kerns, T.J., Ho, S.M., Burch, C.A., Jawed, N., Burgess, A.R. Consequences and Costs of Lower Extremity Injuries. Technical Report, United States Department of Transportation, Office of Vehicle Safety Research, DOT HS 809 871, June 2005.
8. Ryb GE, Dischinger PC, Kufera JA, Burch CA. Delta V, principal direction of force, and restraint use contributions to motor vehicle crash mortality. *J Trauma*. 2007 Nov;63(5):1000-5.
9. Dischinger PC, Ryb GE, Ho SM, Burch CA. The association between age, injury, and survival to hospital among a cohort of injured motorcyclists. *Annu Proc Assoc Adv Automot*

- Med.* 2007;51:97-110.
10. Ryb GE, Dischinger PC, Kleinberger M, Burch CA, Ho SM. Aging is not a risk factor for femoral and tibial fractures in motor vehicle crashes. *Annu Proc Assoc Adv Automot Med.* - 2008 Oct;52:227-34.
 11. Ryb GE, Dischinger PC, Kufera JA, Burch CA. Expected differences and unexpected commonalities in mortality, injury severity and injury patterns between near versus far occupants of side impact crashes. *J Trauma.* 2009;66(2):499-503.
 12. Martin PG, Ridella S, Dischinger PC, Ryb GE, Burch C, Ho S. Characteristics of fatalities in the CIREN database. Presented at Enhanced Safety Vehicles Annual Conference, June 2009, Paper number 09-0253.
 13. 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.
 14. Soderstrom CA, Scottino MA, Joyce JJ, Burch C, Ho SM, Kerns TJ. Police referral of drivers to the Maryland Motor Vehicle Administration's Medical Advisory Board. *Annu Proc Assoc Adv Automot Med.* 2009 Oct;53:105-16.
 15. Ryb GE, Dischinger PC, Kerns TJ, Burch CA. Crash Test Ratings and Real-World Frontal Crash Outcomes: A CIREN Study. *J Trauma.* 2010 May;68(5):1099-105.
 16. 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. *Proc Assoc Adv Automot Med.* 2010;54:351-8.
 17. Ryb GE, Dischinger PC, Burch CA, Kerns TJ, Kufera J, Andersen D. Frailty and injury causation. *Proc Assoc Adv Automot Med.* 2012;56:175-81.
 18. Ryb GE, Dischinger PC, Kerns TJ, Burch CA, Rabin J, Ho SM. Changes in severity and injury sources of thoracic aorta injuries due to vehicular crashes. *Annu Proc Assoc Adv Automot Med.* 2013 Oct; 57: 167-179.
 19. Burch C, Cook L, Dischinger, P. A comparison of KABCO and AIS severity metrics using CODES linked data. *Traf Inj Prev.* 2014; 15:1-4.

Updated 09/14