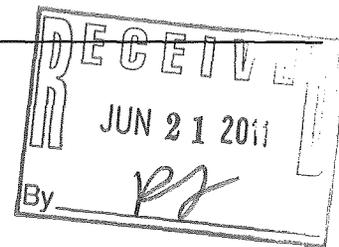


Jay Beeber

From: "Orban, Barbara" <borban@health.usf.edu>
To: "Jay Beeber" <jay@saferstreetsla.org>
Sent: Tuesday, June 21, 2011 4:46 AM
Attach: Orban CV 6162011.doc
Subject: Rolling Right Turns



Jay,

I have not read any research that concludes rolling right turns are hazardous. Instead, a traffic engineer explained that rolling right turns are assumed to occur and can improve traffic flow. The Florida legislature recognized this when passing legislation in 2010, which made red light cameras legal in the state. Florida law prohibits camera programs from ticketing rolling right turns that are made in a careful manner. In general, jurisdictions have defined "careful" as right turns made at less than 15 mph.

The Florida statute is provided below:

"A notice of violation and a traffic citation may not be issued for failure to stop at a red light if the driver is making a right-hand turn in a careful and prudent manner at an intersection where right-hand turns are permissible."

Available at: <http://www.leg.state.fl.us/Statutes/index.cfm?>

[App_mode=Display_Statute&Search_String=&URL=0300-0399/0316/Sections/0316.0083.html](http://www.leg.state.fl.us/Statutes/index.cfm?App_mode=Display_Statute&Search_String=&URL=0300-0399/0316/Sections/0316.0083.html)

The original intent of cameras was to reduce red light running crashes in order to reduce angle crashes (where the front of one vehicle strikes the side of another), since angle crashes are associated with injuries. However, scientific research concludes cameras do not reduce angle crashes.

Crashes from rolling right turns do not result in angle crashes. Further, it is an infrequent type of crash and is typically not associated with injuries, as you found when analyzing data from Los Angeles.

The link below provides the FHWA's Chapter 9 on Highway Design. Page 9-63 states that right turns are less likely to be associated with critical traffic conflicts than left turns (which result in angle crashes). The FHWA state: "Left-turn movements result in more critical traffic conflicts than do right-turn movements."

<http://www.efl.fhwa.dot.gov/design/manual/pddmch09.pdf>

Finally, your analysis affirms cameras in Los Angeles do not create crash cost savings for drivers, relative to rolling right turns, as explained below.

- 1) The estimated 65,000 annual rolling right turns identified by cameras in Los Angeles would net more than \$30 million if all tickets were paid (65,000*\$466).
- 2) Since Los Angeles averages only 45 rolling right turn crashes annually and the majority do not result in injuries, the crash cost saving from cameras (if all such crashes were eliminated by cameras) is only \$495,000 (45*\$11,000), using \$11,000 as the comprehensive crash cost of a non-injury crash.

This reflects extreme diseconomies for drivers. Based on your numbers, drivers in Los Angeles could be assessed \$30 million in ticket fines for rolling right turns in order to achieve 0.5 million dollars in crash cost savings for drivers (assuming cameras prevented all rolling right turn crashes). Thus, ticket fines are estimated to be 60 times the crash cost savings to the public.

Please let me know if you have any questions. As requested, my CV is attached.

Barbara Langland Orban, Ph.D.
 Associate Professor & MHA Program Director
 Department of Health Policy and Management
 USF College of Public Health
 13201 Bruce B. Downs Blvd, MDC 56
 Tampa, FL 33612
 813-974-0346

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Barbara Langland-Orban, Ph.D.		POSITION TITLE Associate Professor of Health Policy and Management	
eRA COMMONS USER NAME (credential, e.g., agency login) borban			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
University of California at Los Angeles	B.S.	1976	Public Health
University of California at Los Angeles	M.S.P.H.	1980	Public Health
University of California at Los Angeles	Ph.D.	1987	Public Health

Positions and Honors

Positions and Employment

1976-1979 Medical Care Evaluation Coordinator, UCLA Medical Center, Los Angeles, CA
 1979-1982 Accreditation and Licensing Director, UCLA Medical Center, Los Angeles, CA
 1983-1987 Assistant to the Chief Executive Officer, Shands Hospital at the University of Florida, Gainesville, FL
 1985-1987 Provisional Assistant Professor of Health Services Administration, University of Florida, Gainesville, FL
 1987-1993 Assistant Professor of Health Services Administration, University of Florida, Gainesville, FL
 1993-1997 Associate Professor of Health Services Administration, University of Florida, Gainesville, FL
 1997- Associate Professor of Health Policy and Management, University of South Florida, Tampa, FL

Other Experience

1988-1997 Graduate Coordinator and Associate Director, Graduate Program in Health and Hospital Administration, University of Florida
 1995-1997 Interim Chair, Department of Health Services Administration, University of Florida
 1998-2011 Chair, Department of Health Policy and Management, University of South Florida
 1998- Director, MHA Program, Dept. of Health Policy and Management, University of South Florida

Selected Peer-reviewed Publications

Gapenski, LC, Vogel, WB, **Langland-Orban, B.** The Determinants of Hospital Profitability, *Hospital & Health Services Administration*. 1993;38:63-80, PMID: 10127295.

Langland-Orban, B., and Orban, DJ. The Choice of Thrombolytic Agents in the Emergency Department. *Annals of Emergency Medicine*. 1993;22:845-851.

Vogel, WB, **Langland-Orban, B.**, Gapenski, LC. Factors Influencing High and Low Profitability among Hospitals. *Health Care Management Review*, 1993;18:15-25.

Gapenski, LC, **Langland-Orban, B.** Predicting Financial Risk under Capitation. *Healthcare Financial Management*. 1995;49:38-40.

Gapenski, LC, **Langland-Orban, B.** Impact of Capitation Contracts on Financial Risk: A Monte Carlo Simulation. *Health Services Management Research*, 1996;9:183-191.

Langland-Orban, B., Gapenski, LC, Vogel, WB. Differences in Characteristics of Hospitals with Sustained High and Sustained Low Profitability. *Hospital & Health Services Administration*, 1996;41:385-399.

Gapenski, LC, **Langland-Orban, B.** The Financial Risk to Hospitals Inherent in DRG, Per Diem, and Capitation Reimbursement Methodologies. *Journal of Healthcare Management*, 1998;43:323-338.

Program Director/Principal Investigator (Last, First, Middle):

Revere, L, Large, J, **Langland-Orban, B**. A Comparison of Inpatient Severity, Average Length of Stay, and Cost for Traditional Fee-For-Service Medicare and Medicare HMOs in Florida, *Health Care Management Review*. 2004;29:320-.

Langland-Orban, B, Pracht, EE, Salyani, S. Uncompensated Care Provided by Emergency Physicians in Florida's Emergency Departments. *Health Care Management Review*. 2005; 30(4):315-321.

Celso, B, Tepas, J, **B Langland-Orban**, Pracht, E, Papa, L, Lottenberg, L, Flint, L. A Systematic Review and Meta-Analysis Comparing Outcome of Severely Injured Patients Treated in Trauma Centers Following the Establishment of Trauma Systems, *Journal of Trauma*. 2006. 60(2):371-378, doi: 10.1097/01.ta.0000197916.99629.eb.

Durham, R, Pracht, EE, **Orban, B**, Lottenberg, L, Tepas, J, Flint, L. Evaluation of a Mature Trauma System. *Annals of Surgery*. 2006;243:775-785.

Pracht, EE, **Langland-Orban, B**, Tepas III, JJ, Celso, BG, Flint, L. Analysis of the Trends in Florida Trauma System (1991-2003): Changes in Mortality after Establishment of New Centers" *Surgery*, 2006;140(1):34-43.

Papa, L, **Langland-Orban, B**, Kallenborn, C, Tepas, JJ, Lottenberg, L, Celso, B, Durham, R, Flint, L. Assessing Effectiveness of a Mature Trauma System: Association of Trauma Center Presence with Lower Injury Mortality Rate. *Journal of Trauma*. 2006;61(2):261-267.

Pracht, EE, Tepas, JJ, Celso, BG, **Langland-Orban, B**, Flint, L. Survival Advantage Associated with Treatment of Injury at Designated Trauma Centers: A Bivariate Probit Model with Instrumental Variables. *Medical Care Research and Review*. 2007;64(1):1-15.

Pracht, EE, **Langland-Orban, B**. Trends in Avoidable Hospitalizations for Children in Florida from 1992-2003. *Journal for Healthcare Quality*, 2007;29 (2):116-123.

Studnicki, J, Gipson, LS, Berndt, DJ, Fisher, JW, Callandar, M, Pracht, EE, **Langland-Orban, B**. Special Healthcare Taxing Districts: Impact on Population Health Status, *American Journal of Preventive Medicine*, 2007;32(2):116-123.

Pracht, EE, Tepas III, JJ, **Langland-Orban, B**, Simpson, L, Flint, LM. Do Pediatric Patients with Trauma in Florida Have Reduced Mortality Rates When Treated in Designated Trauma Centers? *Journal of Pediatric Surgery*, 2008;43:212-221.

Langland-Orban, B, Flint, L. Letter: Another Perspective on Motorcycle Helmet Use. *Journal of the American College of Surgeons*. 2011; In Press

Pracht, EE, **Langland-Orban, B**, Comins, MM, Asin-Oostburg, V. The Relative Effectiveness of the Health Care Safety Net and Managed Care Penetration in Reducing Avoidable Hospitalizations. *Journal for Healthcare Quality*. In Press.

Pracht, EE, **Langland-Orban, B**, Flint, L. Survival Advantage for Elderly Trauma Patients Treated in a Trauma Center, *Journal of Trauma*. In Press.

Research Support

Principal Investigator, Florida Department of Health, DOH Trauma Registry, 2010-2011, Conduct analyses for the Office of Trauma related to trauma center hospitals, including the Florida Trauma Service Area Analysis: 2000 – 2009.

Principal Investigator, Florida Department of Health, DOH Trauma Registry, 2009-2010, Conduct analyses for the Office of Trauma related to trauma center hospitals, including the NSQIP Analysis of 2007 Florida Registry Data.

Principal Investigator, Florida Department of Health, DOH Trauma Registry, 2008-2009, Conduct analyses for the Office of Trauma related to trauma center hospitals.

Principal Investigator, Florida Department of Health, DOH Trauma Registry, 2007-2008, Conduct analyses for the Office of Trauma related to trauma center hospitals.