

CURRICULUM VITAE

JESSICA A. MYERS

CONTACT

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EDUCATION

2010 (expected) PhD, Biostatistics
Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD
Thesis advisor: Francesca Dominici, Co-advisor: Thomas A. Louis

2005 BS, Mathematics
Univeristy of Georgia, Athens, GA
magna cum laude with distinction from the Honors Program

HONORS AND AWARDS

2009, 2010 Health Policy Statistics Section Student Paper Award, American Statistical Association, Joint Statistical Meetings

2009 Distinguished Student Paper Award, International Biometric Society's Eastern North American Region

2005 Phi Beta Kappa

2004 Outstanding Junior Mathematics Major Award (Honorable mention)

2004 George Washington University Summer Program for Women in Mathematics

2001 - 2005 Presidential Scholar (5 semesters)

2001 - 2005 University of Georgia Charter Scholarship

2001 - 2005 Georgia Governor's Scholarship

2001 - 2005 Robert C. Byrd Honors Scholarship

PROFESSIONAL EXPERIENCE

2008 - present Statistical Consultant, Johns Hopkins Biostatistics Center,
Bloomberg School of Public Health, Johns Hopkins University,

2006 - present Research/Teaching Assistant, Department of Biostatistics,
Bloomberg School of Public Health, Johns Hopkins University

2005 - 2009 Environmental Health Trainee, Department of Biostatistics
Bloomberg School of Public Health, Johns Hopkins University

2006 - 2007 Statistical Consultant, Center for Refugee and Disaster Response,
Bloomberg School of Public Health, Johns Hopkins University

TEACHING

- 2010 **Lead TA**, Statistical Methods in Public Health III,
Bloomberg School of Public Health
- 2009 **TA**, Statistics for Psychosocial Research I-II,
Bloomberg School of Public Health
- 2009 **TA**, Evaluation of Tests for Diagnosis, Prediction, and Screening,
Bloomberg School of Public Health
- 2009 **TA**, Survival Analysis,
Bloomberg School of Public Health
- 2009 **TA**, Data Analysis Workshop I-II, Winter Institute,
Bloomberg School of Public Health
- 2008 **Advisor**, M.P.H. capstone project,
Bloomberg School of Public Health
- 2008 **TA**, Longitudinal Data Analysis and Multi-level models I-II,
Bloomberg School of Public Health
- 2007 - 2008 **TA**, Biostatistics in Public Health,
Johns Hopkins University (undergraduate course)
- 2007 - 2009 **TA**, Introduction to Statistical Reasoning I-II, Summer Institute,
Bloomberg School of Public Health
- 2007 **Instructor**, Introduction to Statistics I-II,
Ministry of Public Health, Islamic Republic of Afghanistan
- 2006 - 2007 **TA**, Methods in Biostatistics I-IV,
Bloomberg School of Public Health

PUBLICATIONS

1. **Myers, JA**, Venturini, S, Dominici, F, Morlock, L. (2009) "Statistical Methods for Identifying the Most Harmful Medication Errors." In preparation.
2. **Myers, JA**, Louis, TA. (2009) "Direct Adjustment and Stratification by Propensity Score in Treatment Effect Estimation." Submitted.
* HPSS Student Paper Award Winner
3. Morlock, L, Dominici, F, **Myers, JA**, and Shore, A. (2009) "Comparing Near Miss and Harmful Medication Errors: Testing the Causal Continuum Hypothesis Using Data from the MEDMARX National Reporting System." Under review.
4. **Myers, JA**, Dominici, F, Morlock, L. (2009) "Bayesian Hierarchical Models for Analysis of Medication Errors." In revision.
* ENAR Distinguished Student Paper Award winner, HPSS Student Paper Award Winner
5. Opryszko, MC, Majeed, SW, Hansen, PM, **Myers, JA**, Baba, D, Thompson, RE, Burnham, G. (2009) "Water and Hygiene Interventions to Reduce Diarrhea in Rural Afghanistan; a Randomized Controlled Study." To appear: *Journal of Water and Health*

6. **Myers, JA**, Louis, TA. (2007) "Optimal propensity score stratification." *Johns Hopkins University, Dept. of Biostatistics Working Papers. Working Paper 155.* [pdf]

TALKS

1. "Bayesian Hierarchical Models for Analysis of Medication Errors." Joint Statistical Meetings, August 2009. Washington, D.C.
2. "Learning from near misses in medication errors: a Bayesian approach." Spring Meeting, Eastern North American Region, International Biometric Society, March 2009. San Antonio, TX.

SERVICE

2007 - 2009	Co-coordinator, Department of Biostatistics TA training
2005 - 2009	Student representative, Department of Biostatistics student recruitment committee
2007 - 2008	Co-coordinator, Biostatistics Student Journal Club
2006 - 2008	Dept. of Biostatistics representative, Johns Hopkins Bloomberg School of Public Health Student Assembly
2006	Participant, Johns Hopkins Bloomberg School of Public Health, School-wide Day of Service

PROFESSIONAL MEMBERSHIPS

- American Statistical Association
- Eastern North American Region, International Biometric Society
- American Public Health Association

REFERENCES

Francesca Dominici
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Boston, Massachusetts 02115
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