

CURRICULUM VITAE of Nicholas G. Reich ¹

CONTACT

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EDUCATION

Johns Hopkins Bloomberg School of Public Health
Ph.D. (expected 2010), [Department of Biostatistics](#).
Thesis advisor: [Ron Brookmeyer](#)

Boston University School of Public Health
Coursework in Biostatistics, Epidemiology and Environmental Health, 2004-2005.

Carleton College
B.A. in English, *magna cum laude*, 2001.

HONORS AND AWARDS

2009 [Helen Abbey Award](#) for excellence in teaching Biostatistics
2009 Distinguished Student Paper Award, International Biometric Society's Eastern North American Region
2009 Nominated for school-wide TA Recognition Award
2005 National Institutes of Health Mental Health pre-Doctoral Training Grant
2004 Boston University Dean's Scholar
2001 Margaret Dalton Curran award for senior thesis: "Baseballs, Butterflies and Bloomsday: Chaos Theory in Ulysses and Underworld"
2001 Distinction in English major
2001 Phi Beta Kappa
1997 William Carleton Scholar

RESEARCH AND CONSULTING EXPERIENCE

JOHNS HOPKINS UNIVERSITY

Research Assistant

2007 - present Researched infectious disease dynamics under Preparedness and Catastrophic Event Response (PACER) grant

2006 - present Worked with team of nutritionists to develop statistical models that use nutritional biomarkers to predict frailty in elderly women

¹Last updated October 26, 2009

MARYLAND LEAGUE OF CONSERVATION VOTERS

Statistical Consultant

2006 - 2008 Designed and analyzed results from a randomized study to determine whether organizational outreach improved voter turnout.

FRAMINGHAM HEART STUDY

Research Assistant

2005 Designed online interface for researchers to view and analyze genomic data.

TEACHING

Accolades received in nomination for JHSPH TA Recognition Award, 2009

“...Nick goes out of his way to explain the problems in ways that are accessible and clear for people...”

“...When Nick teaches the room is consistently full...”

Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health

2007–2008 (Fall) Lead TA for Statistical Methods in Public Health I and II

2007–2009 (Spring) Biostatistics TA for M.P.H. capstone project

2007 (Spring) Statistical Methods in Public Health III and IV

2006 (Fall) Biostatistics in Public Health (undergrad campus)

Department of Biostatistics, Boston University School of Public Health

2005 (Spring) Lead TA for Introduction to Biostatistics

RESEARCH INTERESTS

Infectious diseases: Statistical methods for modeling spatial-temporal dynamics of disease processes and for estimating natural history parameters of disease.

Missing or incomplete data: Likelihood approaches, interval censoring, imputation.

Data visualization: Telling stories with novel data displays.

COMPUTING

Platforms: Mac, Unix, Windows.

Statistical programs: R, Stata.

Other languages: Perl, Java, HTML, XML, PHP.

PUBLICATIONS

1. **Reich NG**, Lessler J, Cummings DAT, Brookmeyer R. (2009) Estimating incubation periods with coarse data. *Statistics in Medicine*. 28(22):2769–2784. [[html](#);[pdf](#)]
***ENAR Distinguished Student Paper, 2009**
2. Lessler J, **Reich NG**, Brookmeyer R, Perl TM, Nelson KE, Cummings DAT. (2009) A systematic review of the incubation periods of acute respiratory viral infections. *Lancet Infectious Diseases*. 9(5):291–300. [[html](#);[pdf](#)]
3. Crawford SO, **Reich NG**, An M, Brookmeyer R, Louis TA, Nelson KE, Notari EP, Trouern-Trend J, and Zou S. (2008) Regional and temporal variation in American Red Cross blood donations, 1995–2005. *Transfusion*. 48: 1576-1583. [[html](#);[pdf](#)]

PAPERS UNDER PEER REVIEW

1. The DOHMH Swine Influenza Investigation Team, Lessler J, **Reich NG**, and Cummings DAT. Outbreak of a Novel Swine-Origin Influenza A (nH1N1) at a New York City High School, April 2009: Investigation and Natural History.
2. An M, **Reich NG**, Crawford SO, Brookmeyer R, Louis TA, Nelson KE, Notari EP, Trouern-Trend J, and Zou S. Stochastic simulation of a blood product donation environment with demand spikes and supply shocks.
3. Nord AS, Yang X, Zhang B, Pritchard D, **Reich NG**, Hatsukami TS, Heagerty P, Lum PY, Nickerson D, Pajukanta P, Schadt E, Schwartz S, Jarvik GP. Analysis of the association between NFKB pathway and carotid artery atherosclerosis via integrative genetics and genomics approaches.
4. Lessler J, Brookmeyer R, **Reich NG**, Nelson KE, Cummings DAT, Perl TM. Identifying Probable Sources of Infection for Respiratory Viruses.

CONTRIBUTED PRESENTATIONS

Reich NG, Lessler J, Cummings DAT, Brookmeyer R. Estimating incubation periods with coarse data. International Biometric Society's Eastern North American Region Spring Meetings. March 17, 2009.

CONTRIBUTED POSTERS

Reich NG, Lessler J, Cummings DAT, Brookmeyer R. Estimating the incubation period of swine flu in real-time during an outbreak: sample size considerations. Joint Statistical Meetings. August 4, 2009.

SERVICE

Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health
2008 Student representative to the JHSPH Strategic Planning Committee
2007-2008 Student representative for Biostatistics department faculty meetings
2007-2008 Librarian/overseer of departmental library
2006-2007 Coordinator of [student computing club](#)

Community
2008-2009 Technology consultant for Baltimore CarShare
2003-2004 Assistant coach with the North Oakland Little League (Oakland, CA)