

Harrison S. Quick

CONTACT INFORMATION	8151 33rd Ave S Unit 409 Bloomington, MN 55425	507-304-1668 quic0038@umn.edu
RESEARCH INTERESTS	Bayesian modeling, spatiotemporal modeling, spatial data analysis, longitudinal data analysis, computing	
EDUCATION	University of Minnesota , Minneapolis, MN Ph.D., Biostatistics, <i>Expected</i> : Summer 2013 <ul style="list-style-type: none">• Thesis Topic: <i>Spatiotemporal Gradient Modeling with Applications</i>• Advisors: Bradley P. Carlin, Ph.D and Sudipto Banerjee, Ph.D M.S., Biostatistics, Aug 2010 <ul style="list-style-type: none">• Topic: <i>Assessing the Impact of the Density of Alcohol Establishments on Crime in Minneapolis Neighborhoods Using Univariate and Multivariate Conditionally Autoregressive Models</i>• Advisor: Bradley P. Carlin, Ph.D Minnesota State University , Mankato, MN B.S., Mathematics and Statistics (Double Major), May 2008 <ul style="list-style-type: none">• <i>Summa Cum Laude</i>	
RESEARCH EXPERIENCE	Research Assistant Division of Biostatistics, University of Minnesota Supervisor: Bradley P. Carlin , Ph.D Research Assistant Division of Epidemiology, University of Minnesota Supervisors: Traci L. Toomey , Ph.D and Bradley P. Carlin , Ph.D Research Assistant Division of Biostatistics, University of Minnesota Supervisors: Katherine Huppler-Hullsiek , Ph.D and Jason V. Baker , M.D., M.S.	May 2011 to present June 2010 to May 2011 Sept 2008 to Aug 2010
REFEREED JOURNAL PUBLICATIONS	<ol style="list-style-type: none">1. Baker, J., Duprez, D., Rapkin, J., Huppler-Hullsiek, K., Quick, H., Grimm, R., Neaton, J.D., and Henry, K. "Untreated HIV infection and large and small artery elasticity." <i>JAIDS</i>, 52(1):25–31, 2009.2. Baker, J., Ayenew, W., Quick, H., Huppler-Hullsiek, K., Tracy, R., Henry, K., Duprez, D., and Neaton, J.D. "High-density lipoprotein particles and markers of inflammation and thrombotic activity in patients with untreated HIV infection." <i>Journal of Infectious Diseases</i>, 201(2):285–292, 2010.3. Baker, J., Quick, H., Huppler-Hullsiek, K., Tracy, R., Duprez, D., Henry, K., and Neaton, J.D. "IL-6 and d-dimer levels are associated with vascular dysfunction in patients with untreated HIV infection." <i>HIV Medicine</i>, 11(9):608–609, 2010.4. Kunisaki, K.M., Quick, H., and Baker, J.V. "HIV antiretroviral therapy reduces circulating surfactant protein-D levels." <i>HIV Medicine</i>, 12(9):580–581, 2011.	

	<ol style="list-style-type: none"> Toomey, T.L., Erickson, D.J., Carlin, B.P., Quick, H.S., Harwood, E.M., Lenk, K.M., and Ecklund, A.M. "Is the density of alcohol establishments related to non-violent crime?" <i>Journal of Studies on Alcohol and Drugs</i>, 73(1)21–25, 2012. Toomey, T.L., Erickson, D.J., Carlin, B.P., Lenk, K.M., Quick, H.S., Jones, A.M., and Harwood, E.M. "The association between density of alcohol establishments and violent crime within urban neighborhoods." <i>Alcoholism: Clinical and Experimental Research</i>, 36(8):1468–1473, 2012. Quick, H., Banerjee, S., and Carlin, B.P. "Modeling temporal gradients in regionally aggregated California asthma hospitalization data." To appear in <i>The Annals of Applied Statistics</i>, 2012.
SUBMITTED JOURNAL PUBLICATIONS	<ol style="list-style-type: none"> Toomey, T.L., Erickson, D.J., Carlin, B.P., Lenk, K.M., Quick, H.S., and Harwood, E.M. "Do neighborhood attributes moderate the relationship between alcohol establishment density and crime?" 2012. Submitted to <i>Prevention Science</i>.
PAPERS IN PREPARATION	<ol style="list-style-type: none"> Quick, H., Banerjee, S., and Carlin, B.P. "Heteroscedastic variances in areally referenced temporal processes with an application to California asthma hospitalization data." Quick, H., Carlin, B.P., and Banerjee, S. "Space-time Gaussian process modeling of temporal air pollution gradients."
AWARDS	<p>Travel Awards</p> <ul style="list-style-type: none"> Workshop on Environmetrics, Raleigh, NC Oct 2012 Case Studies in Bayesian Statistics and Machine Learning, Pittsburgh, PA Oct 2011 IMS/ISBA Joint International Meeting, Park City, UT Jan 2011 <p>Student Awards — University of Minnesota, Division of Biostatistics</p> <ul style="list-style-type: none"> Outstanding Teaching Assistant Award May 2012 Outstanding Research Assistant Award May 2011 James R. Boen Student Achievement Award May 2009 <p>Student Awards — University of Minnesota, Graduate School</p> <ul style="list-style-type: none"> Doctoral Dissertation Fellowship 2012–2013 <ul style="list-style-type: none"> The Doctoral Dissertation Fellowship (DDF) program is intended to give the most accomplished final-year PhD candidates an opportunity to complete the dissertation within the 2012–13 academic year by devoting full-time effort to research and writing.
PRESENTATIONS	<p>Statistical Meetings</p> <ul style="list-style-type: none"> Workshop on Environmetrics, Raleigh, NC Oct 2012 Joint Statistical Meetings, San Diego, CA Aug 2012 Biometric Society (ENAR) Regional Meeting, Washington, D.C. Apr 2012 Case Studies in Bayesian Statistics and Machine Learning, Pittsburgh, PA Oct 2011 Biometric Society (ENAR) Regional Meeting, Miami, FL Mar 2011 IMS/ISBA Joint International Meeting, Park City, UT Jan 2011 <p>University of Minnesota</p> <ul style="list-style-type: none"> Mostly Markov Chain Seminar Series Nov 2011 School of Public Health Research Day Apr 2011

TEACHING EXPERIENCE	Co-instructor	Summer 2013
	PUBH 6400 - Topics in Hierarchical Bayesian Analysis with Bradley P. Carlin Division of Biostatistics, University of Minnesota	
	Teaching Assistant	Springs 2011–12
	PUBH 7440 - Introduction to Bayesian Analysis Instructor: Bradley P. Carlin, Ph.D Division of Biostatistics, University of Minnesota	
SERVICE	Recruiting Committee, Division of Biostatistics	May 2010 – Present
	<ul style="list-style-type: none"> Assist with planning of annual Division of Biostatistics Open House and Admitted Student Visit Days Meet with prospective and admitted students 	
	Student Member of Search Committee for the SPH Coordinator of Recruitment and Student Leadership	June 2010 – Aug 2010
	<ul style="list-style-type: none"> Assisted in job search for the SPH Coordinator of Recruitment and Student Leadership Reviewed applications, conducted interviews 	
REFERENCES	Bradley P. Carlin	
	Mayo Professor in Public Health, Division Head Division of Biostatistics University of Minnesota	Phone: 612-624-6646 E-mail: carli002@umn.edu
	Sudipto Banerjee	
	Professor Division of Biostatistics University of Minnesota	Phone: 612-624-0624 E-mail: baner009@umn.edu
	Traci Toomey	
	Professor Division of Epidemiology University of Minnesota	Phone: 612-626-9070 E-mail: toome001@umn.edu