

## Harrison S. Quick

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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	<b>University of Minnesota</b> , Minneapolis, MN  Ph.D., Biostatistics, <i>Expected</i> : Summer 2013 <ul style="list-style-type: none"><li>• Thesis Topic: <i>Spatiotemporal Gradient Modeling with Applications</i></li><li>• Advisors: <a href="#">Bradley P. Carlin</a>, Ph.D and <a href="#">Sudipto Banerjee</a>, Ph.D</li></ul> M.S., Biostatistics, Aug 2010 <ul style="list-style-type: none"><li>• Topic: <i>Assessing the Impact of the Density of Alcohol Establishments on Crime in Minneapolis Neighborhoods Using Univariate and Multivariate Conditionally Autoregressive Models</i></li><li>• Advisor: <a href="#">Bradley P. Carlin</a>, Ph.D</li></ul> <b>Minnesota State University</b> , Mankato, MN  B.S., Mathematics and Statistics (Double Major), May 2008 <ul style="list-style-type: none"><li>• <i>Summa Cum Laude</i></li></ul>	
RESEARCH EXPERIENCE	<b>Research Assistant</b> Division of Biostatistics, University of Minnesota Supervisor: <a href="#">Bradley P. Carlin</a> , Ph.D <b>Research Assistant</b> Division of Epidemiology, University of Minnesota Supervisors: <a href="#">Traci L. Toomey</a> , Ph.D and <a href="#">Bradley P. Carlin</a> , Ph.D <b>Research Assistant</b> Division of Biostatistics, University of Minnesota Supervisors: <a href="#">Katherine Huppler-Hullsiek</a> , Ph.D and <a href="#">Jason V. Baker</a> , 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"><li>1. Baker, J., Duprez, D., Rapkin, J., Huppler-Hullsiek, K., <b>Quick, H.</b>, 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.</li><li>2. Baker, J., Ayenew, W., <b>Quick, H.</b>, 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.</li><li>3. Baker, J., <b>Quick, H.</b>, 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.</li><li>4. Kunisaki, K.M., <b>Quick, H.</b>, and Baker, J.V. "HIV antiretroviral therapy reduces circulating surfactant protein-D levels." <i>HIV Medicine</i>, 12(9):580–581, 2011.</li></ol>	

	<ol style="list-style-type: none"> <li>Toomey, T.L., Erickson, D.J., Carlin, B.P., <b>Quick, H.S.</b>, 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.</li> <li>Toomey, T.L., Erickson, D.J., Carlin, B.P., Lenk, K.M., <b>Quick, H.S.</b>, 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.</li> <li><b>Quick, H.</b>, 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.</li> </ol>
SUBMITTED JOURNAL PUBLICATIONS	<ol style="list-style-type: none"> <li>Toomey, T.L., Erickson, D.J., Carlin, B.P., Lenk, K.M., <b>Quick, H.S.</b>, and Harwood, E.M. “Do neighborhood attributes moderate the relationship between alcohol establishment density and crime?” 2012. Submitted to <i>Prevention Science</i>.</li> </ol>
PAPERS IN PREPARATION	<ol style="list-style-type: none"> <li><b>Quick, H.</b>, Banerjee, S., and Carlin, B.P. “Heteroscedastic variances in areally referenced temporal processes with an application to California asthma hospitalization data.”</li> <li><b>Quick, H.</b>, Carlin, B.P., and Banerjee, S. “Space-time Gaussian process modeling of temporal air pollution gradients.”</li> </ol>
AWARDS	<p>Travel Awards</p> <ul style="list-style-type: none"> <li>Workshop on Environmetrics, Raleigh, NC Oct 2012</li> <li>Case Studies in Bayesian Statistics and Machine Learning, Pittsburgh, PA Oct 2011</li> <li>IMS/ISBA Joint International Meeting, Park City, UT Jan 2011</li> </ul> <p>Student Awards — University of Minnesota, Division of Biostatistics</p> <ul style="list-style-type: none"> <li>Outstanding Teaching Assistant Award May 2012</li> <li>Outstanding Research Assistant Award May 2011</li> <li>James R. Boen Student Achievement Award May 2009</li> </ul> <p>Student Awards — University of Minnesota, Graduate School</p> <ul style="list-style-type: none"> <li>Doctoral Dissertation Fellowship 2012–2013 <ul style="list-style-type: none"> <li>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.</li> </ul> </li> </ul>
PRESENTATIONS	<p>Statistical Meetings</p> <ul style="list-style-type: none"> <li>Workshop on Environmetrics, Raleigh, NC Oct 2012</li> <li>Joint Statistical Meetings, San Diego, CA Aug 2012</li> <li>Biometric Society (ENAR) Regional Meeting, Washington, D.C. Apr 2012</li> <li>Case Studies in Bayesian Statistics and Machine Learning, Pittsburgh, PA Oct 2011</li> <li>Biometric Society (ENAR) Regional Meeting, Miami, FL Mar 2011</li> <li>IMS/ISBA Joint International Meeting, Park City, UT Jan 2011</li> </ul> <p>University of Minnesota</p> <ul style="list-style-type: none"> <li>Mostly Markov Chain Seminar Series Nov 2011</li> <li>School of Public Health Research Day Apr 2011</li> </ul>

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"> <li>• Assist with planning of annual Division of Biostatistics Open House and Admitted Student Visit Days</li> <li>• Meet with prospective and admitted students</li> </ul>	
	Student Member of Search Committee for the SPH Coordinator of Recruitment and Student Leadership	June 2010 – Aug 2010
	<ul style="list-style-type: none"> <li>• Assisted in job search for the SPH Coordinator of Recruitment and Student Leadership</li> <li>• Reviewed applications, conducted interviews</li> </ul>	
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