
BIOGRAPHICAL SKETCH

NAME Armstrong, Katrina	POSITION TITLE		
eRA COMMONS USER NAME karmstrong	Associate Professor of Medicine		
	Associate Professor of Epidemiology		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Yale University, New Haven, CT	AB	1986	Architecture
Johns Hopkins University, Baltimore, MD	MD	1991	Medicine
University of Pennsylvania, Philadelphia, PA	MSCE	1998	Epidemiology

A. POSITIONS AND HONORS

Positions and Employment

- 1995-1996 Chief Resident, Department of Medicine, The Johns Hopkins Hospital
- 1998 Instructor A in Medicine, Department of Medicine, University of Pennsylvania School of Medicine
- 1998-2005 Assistant Professor of Medicine, University of Pennsylvania School of Medicine
- 1998-2005 Assistant Professor of Epidemiology in Biostatistics and Epidemiology, University of Pennsylvania School of Medicine
- 1998- Attending, University of Pennsylvania Medical Center, Philadelphia, PA
- 1998- Senior Scholar, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania School of Medicine
- 1998- Member, Cancer Center, University of Pennsylvania School of Medicine
- 1998- Senior Fellow, Leonard Davis Institute of Health Economics, University of Pennsylvania
- 1998- Member, Biomedical Graduate Studies (BGS), University of Pennsylvania School of Medicine
- 2003- Associate Director, Cancer Control and Outcomes Program, Abramson Cancer Center, University of Pennsylvania School of Medicine
- 2004- Director of Research, Leonard Davis Institute of Health Economics, University of Pennsylvania
- 2005- Associate Professor of Medicine (with tenure), University of Pennsylvania School of Medicine
- 2005- Associate Professor of Epidemiology in Biostatistics and Epidemiology, University of Pennsylvania School of Medicine
- 2006 Co-Director, Robert Wood Johnson Clinical Scholars Program

Honors and Professional Recognition

- 1986 Magna Cum Laude
- 1991 Hewlett Packard Award to Top Medical Graduate
- 1991 Lange Medical Publications Award: Top Medical Graduate
- 1992 Warfield T. Longcope Prize for Excellence in Clinical Medicine
- 1998 Measey Foundation Faculty Fellow
- 2000 Best Paper of 1999 - American Risk and Insurance Association (with Asch D, Subramanian K, Lemaire J, Hershey JC, Pauly MV)
- 2001 Robert Wood Johnson Foundation Generalist Physician Faculty Scholar
- 2004 Outstanding Lecturer Award, Medical School Class of 2004, University of Pennsylvania SoM
- 2004 Leonard Berwick Memorial Teaching Award, University of Pennsylvania School of Medicine
- 2004 Outstanding Junior Investigator of the Year, Society of General Internal Medicine
- 2004 AAMC Women in Medicine Leadership Development Program Award for outstanding contributions to develop women leaders in academic medicine (to FOCUS on the Health and Leadership of Women)
- 2004 Robert Austrian Faculty Award for Evaluative Research, given to one person each year by the Department of Medicine
- 2004- Chair, Publications Committee, Centers for Population Health and Health Disparities, NIH
- 2005 Alice S. Hersh New Investigator Award, Academy Health (the leading national organization for health services research)

B. SELECTED PEER-REVIEWED PUBLICATIONS (since 2000)

- Armstrong, Katrina, Kathleen Calzone, Jill Stopfer, Genevieve Fitzgerald, James Coyne, and Barbara Weber. 2000. "Factors Associated with Decisions About Clinical Brca1/2 Testing." *Cancer Epidemiology Biomarkers and Prevention* 9(11):1251-1254.
- Armstrong, Katrina, Andrea Eisen, and Barbara L. Weber. 2000. "Assessing the Risk of Breast Cancer." *New England Journal of Medicine* 342(8):564-571.
- Armstrong, Katrina, Sharon Popik, Carmen Guerra, and Peter A. Ubel. 2000. "Beliefs About Breast Cancer Risk and Use of Postmenopausal Hormone Replacement Therapy." *Medical Decision Making* 20(3):308-313.
- Chung, James B., Katrina Armstrong, J. Sanford Schwartz, and Daniel Albert. 2000. "Cost-Effectiveness of Prophylaxis against *Pneumocystis Carinii* Pneumonia in Patients with Wegener's Granulomatosis Undergoing Immunosuppressive Therapy." *Arthritis and Rheumatism* 43(8):1841-1848.
- Lemaire, Jean, Krupa Subramanian, Katrina Armstrong, and David A. Asch. 2000. "Pricing Term Insurance in the Presence of a Family History of Breast or Ovarian Cancer." *North American Actuarial Journal* 4(2):75-87.
- Shin, Robert K., Steven L. Galetta, T. Y. Ting, Katrina Armstrong, and Shawn J. Bird. 2000. "Ross Syndrome Plus: Beyond Horner, Holmes-Adie, and Harlequin." *Neurology* 55(12):1841-1846.
- Armstrong, Katrina, Michelle Berlin, J. Sanford Schwartz, Kathleen Propert, and Peter A. Ubel. 2001. "Barriers to Influenza Immunization in a Low-Income Urban Population." *American Journal of Preventive Medicine* 20(1):21-25.
- Armstrong, Katrina, Tze-Ming Chen, Daniel Albert, Thomas C. Randall, and J. Sanford Schwartz. 2001. "Cost-Effectiveness of Raloxifene and Hormone Replacement Therapy in Postmenopausal Women: Impact of Breast Cancer Risk." *Obstetrics & Gynecology* 98(6):996-1003.
- Armstrong, Katrina, Genevieve Fitzgerald, J. Sanford Schwartz, and Peter A. Ubel. 2001. "Using Survival Curve Comparisons to Inform Patient Decision Making. Can a Practice Exercise Improve Understanding?" *Journal of General Internal Medicine* 16(7):482-485.
- Armstrong, Katrina, J. Sanford Schwartz, Genevieve Fitzgerald, Mary Putt, and Peter A. Ubel. 2002. "Effect of Framing as Gain Versus Loss on Understanding and Hypothetical Treatment Choices: Survival and Mortality Curves." *Medical Decision Making* 22(1):76-83.
- Armstrong, Katrina, Jill Stopfer, Kathleen Calzone, Genevieve Fitzgerald, James Coyne, and Barbara Weber. 2002. "What Does My Doctor Think? Preferences for Knowing the Doctor's Opinion among Women Considering Clinical Testing for Brca1/2 Mutations." *Genetic Testing* 6(2):115-118.
- Armstrong, Katrina, Barbara L. Weber, Peter A. Ubel, Carmen Guerra, and J. Sanford Schwartz. 2002. "Interest in Brca1/2 Testing in a Primary Care Population." *Preventive Medicine* 34(6):590-595.
- Shih, Helen A., Fergus J. Couch, Katherine L. Nathanson, M. Anne Blackwood, Timothy R. Rebbeck, Katrina Armstrong, Kathleen Calzone, Jill Stopfer, Sheila Seal, Michael R. Stratton, and Barbara L. Weber. 2002. "Brca1 and Brca2 Mutation Frequency in Women Evaluated in a Breast Cancer Risk Evaluation Clinic." *Journal of Clinical Oncology* 20(4):994-999.
- Armstrong, Katrina, Barbara L. Weber, Genevieve Fitzgerald, John C. Hershey, Mark V. Pauly, Jean Lemaire, Krupa Subramanian, and David A. Asch. 2003. "Life Insurance and Breast Cancer Risk Assessment: Adverse Selection, Genetic Testing Decisions, and Discrimination." *American Journal of Medical Genetics* 120A(3):359-364.
- Armstrong, Katrina, Barbara L. Weber, Jill Stopfer, Kathleen Calzone, Mary Putt, James Coyne, and J. Sanford Schwartz. 2003. "Early Use of Clinical Brca1/2 Testing: Associations with Race and Breast Cancer Risk." *American Journal of Medical Genetics* 117A(2):154-160.
- Armstrong, Katrina, Janet Weiner, Barbara L. Weber, and David A. Asch. 2003. "Early Adoption of Brca1/2 Testing: Who and Why." *Genetics in Medicine* 5(2):92-98.
- Coyne, James C., Linda Kruus, Melissa Racioppo, Kathleen Calzone, and Katrina Armstrong. 2003. "What Do Ratings of Cancer-Specific Distress Mean among Women at High Risk of Breast and Ovarian Cancer?" *American Journal of Medical Genetics* 116A(3):222-228.
- Moran, Susan, Gina Glazier, and Katrina Armstrong. 2003. "Women Smokers' Perceptions of Smoking-Related Health Risks." *Journal of Women's Health* 12(4):363.

- Moran, Susan, Anne Thorndike, Katrina Armstrong, and Nancy Rigotti. 2003. "Physicians' Missed Opportunities to Address Tobacco Use During Prenatal Care." *Nicotine & Tobacco Research* 5(3):363.
- Randall, Thomas C. and Katrina Armstrong. 2003. "Differences in Treatment and Outcome between African-American and White Women with Endometrial Cancer." *Journal of Clinical Oncology* 21(22):4200-4206.
- Armstrong, Katrina, Judith A. Long, and Judy A. Shea. 2004. "Measuring Adherence to Mammography Screening Recommendations among Low-Income Women." *Preventive Medicine* 38(6):754-760.
- Armstrong, Katrina, J. Sanford Schwartz, Thomas Randall, Stephen C. Rubin, and Barbara Weber. 2004. "Hormone Replacement Therapy and Life Expectancy after Prophylactic Oophorectomy in Women with Brca1/2 Mutations: A Decision Analysis." *Journal of Clinical Oncology* 22(6):1045-1054.
- Gurmankin, Andrea D., Jonathan Baron, and Katrina Armstrong. 2004. "The Effect of Numerical Statements of Risk on Trust and Comfort with Hypothetical Physician Risk Communication." *Medical Decision Making* 24(3):265-271.
- Gurmankin, Andrea D., Jonathan Baron, and Katrina Armstrong. 2004. "Intended Message Versus Message Received in Hypothetical Physician Risk Communications: Exploring the Gap." *Risk Analysis* 24(5):1337-1347.
- Micco, Ellyn, Andrea D. Gurmankin, and Katrina Armstrong. 2004. "Differential Willingness to Undergo Smallpox Vaccination among African-American and White Individuals." *Journal of General Internal Medicine* 19(5p1):451-455.
- Peters, Nikki, Abigail L. Rose, and Katrina Armstrong. 2004. "The Association between Race and Attitudes About Predictive Genetic Testing." *Cancer Epidemiology Biomarkers and Prevention* 13(3):361-365.
- Rose, Abigail L., Nikki Peters, Judy A. Shea, and Katrina Armstrong. 2004. "Development and Testing of the Health Care System Distrust Scale." *Journal of General Internal Medicine* 19(1):57-63.
- Ross, Susan, Rhonda P. Estok, Cindy Levine, and Katrina Armstrong. 2004. "Should Risk Factors for Breast Cancer Influence Evaluation of Breast Abnormalities?" *American Family Physician*:35-38.
- Armstrong, Katrina, Ellyn Micco, Amy Carney, Jill Stopfer, and Mary Putt. 2005. "Racial Differences in the Use of Brca1/2 Testing among Women with a Family History of Breast or Ovarian Cancer." *Journal of the American Medical Association* 293(14):1729-1736.
- Armstrong, Katrina, Barbara Weber, Peter A. Ubel, Nikki Peters, John Holmes, and J. Sanford Schwartz. 2005. "Individualized Survival Curves Improve Satisfaction with Cancer Risk Management Decisions in Women with Brca1/2 Mutations." *Journal of Clinical Oncology* 23(36):9319-9328.
- Gurmankin, Andrea D., Susan Domchek, Jill Stopfer, Christina Fels, and Katrina Armstrong. 2005. "Patients' Resistance to Risk Information in Genetic Counseling for Brca1/2." *Archives of Internal Medicine* 165(5):523-529.
- Gurmankin, Andrea D., Marie Helweg-Larsen, Katrina Armstrong, Stephen E. Kimmel, and Kevin G. M. Volpp. 2005. "Comparing the Standard Rating Scale and the Magnifier Scale for Assessing Risk Perceptions." *Medical Decision Making* 25(5):560-570.
- Peters, Nikki and Katrina Armstrong. 2005. "Racial Differences in Prostate Cancer Treatment Outcomes: A Systematic Review." *Cancer Nursing* 28(2):108-118.
- Peters, Nikki, Susan M. Domchek, Abigail L. Rose, Rachael Polis, Jill Stopfer, and Katrina Armstrong. 2005. "Knowledge, Attitudes, and Utilization of Brca1/2 Testing among Women with Early-Onset Breast Cancer." *Genetic Testing* 9(1):48-53.
- Rebbeck, Timothy R., Tara Friebel, Theresa Wagner, Henry T. Lynch, Judy E. Garber, Mary B. Daly, Claudine Isaacs, Olufunmilayo I. Olopade, Susan L. Neuhausen, Laura van 't Veer, Rosalind Eeles, D. Gareth Evans, Gail Tomlinson, Ellen Matloff, Steven A. Narod, Andrea Eisen, Susan Domchek, Katrina Armstrong, and Barbara L. Weber. 2005. "Effect of Short-Term Hormone Replacement Therapy on Breast Cancer Risk Reduction after Bilateral Prophylactic Oophorectomy in Brca1 and Brca2 Mutation Carriers: The Prose Study Group." *Journal of Clinical Oncology* 23(31):7804-7810.
- Rose, Abigail L., Nikki Peters, Judy A. Shea, and Katrina Armstrong. 2005. "The Association between Knowledge and Attitudes About Genetic Testing for Cancer Risk in the United States." *Journal of Health Communication* 10(4):309 - 321.
- Rose, Abigail L., Nikki Peters, Judy A. Shea, and Katrina Armstrong. 2005. "Attitudes and Misconceptions About Predictive Genetic Testing for Cancer Risk." *Community Genetics* 8(3):145-151.

- Armstrong, Katrina, Chanita Hughes-Halbert, and David A. Asch. 2006. "Patient Preferences Can Be Misleading as Explanations for Racial Disparities in Health Care." *Archives of Internal Medicine* 166(9):950-954.
- Armstrong, Katrina, Abigail L. Rose, Nikki Peters, Judith A. Long, Suzanne McMurphy, and Judy A. Shea. 2006. "Distrust of the Health Care System and Self-Reported Health in the United States." *Journal of General Internal Medicine* 21(4):292-297.
- Gurmankin Levy, Andrea, Ellyn Micco, Mary Putt, and Katrina Armstrong. 2006. "Value for the Future and Breast Cancer-Preventive Health Behavior." *Cancer Epidemiology Biomarkers and Prevention* 15(5):955-960.
- Halbert, Chanita Hughes, Katrina Armstrong, Oscar H. Gandy, Jr., and Lee Shaker. 2006. "Racial Differences in Trust in Health Care Providers." *Archives of Internal Medicine* 166(8):896-901.
- Lee, Richard, A. Russell Localio, Katrina Armstrong, S. Bruce Malkowicz, and J. Sanford Schwartz. 2006. "A Meta-Analysis of the Performance Characteristics of the Free Prostate-Specific Antigen Test." *Urology* 67(4):762-768.
- Polsky, Daniel, Katrina A. Armstrong, Thomas C. Randall, Richard N. Ross, Orit Even-Shoshan, Paul R. Rosenbaum, and Jeffrey H. Silber. 2006. "Variation in Chemotherapy Utilization in Ovarian Cancer: The Relative Contribution of Geography." *Health Services Research* 41(6):2201-2218.
- Viswanathan, Krupa S., Jean Lemaire, Kate Withers, Katrina Armstrong, Agnieszka Baumritter, John C. Hershey, Mark V. Pauly, and David A. Asch. 2007. "Adverse Selection in Term Life Insurance Purchasing Due to the Brca12 Genetic Test and Elastic Demand." *Journal of Risk & Insurance* 74:65-86.
- Armstrong, Katrina, K. Ravenell, Suzanne McMurphy, and Mary Putt. Forthcoming. "Racial Differences in Physician Distrust Vary across Us Cities." *American Journal of Public Health*.

C. RESEARCH SUPPORT

Ongoing Research Support

American Cancer Society PBP-104351 (Armstrong) 7/1/2003-6/30/2008 PI

Distrust as a Barrier to Cancer Screening and Prevention

Increase our understanding of the nature, distribution, and correlates of health care related to distrust and to investigate the relationship between health care, related distrust, intentions and behaviors about cancer screening and prevention among women.

NCI P50-CA-10564 (Armstrong) 4/1/2003-3/31/2008 PI
 NCI P50-ES-012371 (Rebeck) 8/1/2003-7/30/2008 Project PI

Segregation and Racial Disparities in Prostate Cancer

In this project, we will extend current theories of the relationship between segregation and health by examining a novel behavioral pathway by which segregation may lead to poor health outcomes among African-Americans - the use of low quality health care providers and facilities.

NCI P50-ES-012371 (Rebeck) 8/1/2003-7/30/2008 Project PI

Segregation and Racial Disparities in Prostate Cancer

Completed Research Support

RWJ Foundation (Armstrong) 7/1/2001-6/30/2006 PI

Generalist Physician Faculty Scholar Award

Informing Women about the Risks and Benefits of Mammography Screening

NCI RO1-CA-098901 (Armstrong) 5/1/2003-4/30/2006 PI

Race, Treatment and Endometrial Cancer Survival

NCI R21-CA-1000602 (Armstrong) 6/1/2003-5/31/2006 PI

Cultural Model of Prevention in African American Women

NHGRI RO1-HG-002689 (Armstrong) 7/1/2003-6/30/2006 PI

Distrust, Race/Ethnicity and Predictive Genetic Testing