



Diana L. Miglioretti, Ph.D.

Clinical Interests	Dr. Miglioretti's primary methodological research interests are in multilevel and latent variable models, longitudinal and clustered data analysis, and the evaluation of screening and diagnostic tests. The majority of her collaborative research is in the areas of breast cancer screening and radiation exposure from medical imaging.
Title	Dean's Professor in Biostatistics
Specialty	Public Health Sciences- Division of Biostatistics
Department	Public Health Sciences
Division	Public Health Sciences
Center/Program Affiliation	Center for Healthcare Policy and Research UC Davis Comprehensive Cancer Center
Address/Phone	UC Davis School of Medicine - Medical Sciences 1C, Suite 145 Davis, CA 95616
Additional Phone	Phone: 530-752-7168 Phone: 530-754-5664 Fax: 530-752-3239
Education	Ph.D., Biostatistics, Johns Hopkins University Bloomberg School of Public Health, Baltimore MD 2000 Sc.M., Biostatistics, Johns Hopkins University Bloomberg School of Public Health, Baltimore MD 1996 B.S., University of Maryland, College Park, Maryland, 1992 B.S., University of Maryland, College Park MD 1992
Professional Memberships	American Association for Cancer Research American Statistical Association Radiation Research Society The International Biometric Society Eastern North American Region The International Biometric Society Western North American Region
Honors and Awards	International Biometrics Conference Travel Award for Young Investigators, 2002 Margaret Merrell Award for Excellence in Research, Johns Hopkins University SPH, 2000 Minnies 2013 finalist (one of two) for Scientific Paper of the Year: Miglioretti DL, Johnson E,



Diana L. Miglioretti, Ph.D.

Williams A, Greenlee RT, Weinmann S, Solberg LI, Feigelson HS, Roblin D, Flynn MJ, Vanneman N, Smith-Bindman R. "The use of computed tomography in pediatrics and the associated radiation exposure and estimated cancer risk." *JAMA Pediatr.* 2013 Aug 1;167(8):700-7. [Epub ahead of print], 2013

Minnies 2013 semifinalist (one of 15) for the "Most Influential Radiology Researcher.", 2013
Minnies 2012 Runner-up for Scientific Paper of the Year: Smith-Bindman R, Miglioretti DL, Johnson E, Lee C, Spencer Feigelson H, Flynn M, Greenlee RT, Kruger RL, Hornbrook MC, Roblin D, Solberg LI, Vanneman N, Weinmann S, Williams AE. "Use of diagnostic imaging studies and associated radiation exposure for patients enrolled in large integrated health care systems, 1996-2010." *JAMA.* 2012 Jun 13;307(22):2400-9., 2012

Editor's Choice for 2012 in the Clinical Practice category in the *Journal of the American College of Radiology*: Onega T, Smith M, Miglioretti DL, Carney P, Geller B, Kerlikowske K, Buist DS, Rosenberg R, Smith R, Sickles EA, Haneuse S, Anderson ML, Yankaskas B. Radiologist agreement for mammographic recall by case difficulty and finding type. *J Am College Rad.* 2012;9(11): 788-794., 2012

Featured article on *Radiology* May 2012 podcast: Carney PA, Parikh J, Sickles E, Feig SA, Monsees B, Bassett LW, Smith RA, Rosenberg R, Ichikawa L, Wallace J, Tran Khai, Miglioretti DL. "Diagnostic mammography: identifying minimally acceptable interpretive performance criteria." *Radiology.* 2013 May;267(2):359-67; [Epub ahead of print], 2012

One of the top 12 publications in 2011 funded by NCI's Epidemiology and Genomics Research Program (<http://epi.grants.cancer.gov/highlights/>): Hubbard RA, Kerlikowske K, Flowers CI, Yankaskas BC, Miglioretti DL. "Cumulative probability of false-positive recall or biopsy recommendation after 10 years of screening mammography: A cohort study," *Ann Intern Med.* 2011 Oct 18;155(8):481-92., 2011

Select Recent Publications

Nelson HD, O'Meara ES, Kerlikowske K, Balch S, Miglioretti D. "Factors affecting the rates and consequences of false positive and false negative digital mammography screening exams: An analysis of registry data." *Ann Intern Med.* 2016 Jan 12. [Epub ahead of print]

Miglioretti DL, Lang J, van den Broek JJ, Lee CI, van Ravesteyn N, Ritley D, Kerlikowske K, Fenton JJ, Melnikow J, de Koning HJ, Hubbard RA, "Radiation-Induced Breast Cancer Incidence and Mortality from Digital Mammography Screening: A Modeling Study." *Ann Intern Med.* 2016 Jan 12. [Epub ahead of print]



Diana L. Miglioretti, Ph.D.

Melnikov J, Fenton JJ, Whitlock EP, Miglioretti DL, Weyrich MS, Thomposon JH, Shah K. “Supplemental Screening for Breast Cancer in Women with Dense Breasts: A Systematic Review for the U.S. Preventive Services Task Force.” *Ann Intern Med.* 2016 Jan 12 [Epub ahead of print]

Mandelblatt JS, Stout NK, Schechter CB, van den Broek JJ, Miglioretti DL, Krapcho M, Trentham-Dietz A, Munoz D, Lee SJ, Berry DA, van Ravesteyn NT, Alagoz O, Kerlikowske K, Tosteson AN, Near AM, Hoeffken A, Chang Y, Heijnsdijk EA, Chisholm G, Huang X, Huang H, Ergun MA, Gangnon R, Sprague BL, Plevritis S, Feuer E, de Koning HJ, Cronin KA. “Collaborative Modeling of the Benefits and Harms Associated With Different U.S. Breast Cancer Screening Strategies.” *Ann Intern Med.* 2016 Jan 12. [Epub ahead of print]

Melnikow J, Xing G, Cox G, Leigh P, Mills L, Miglioretti DL, Moghadassi M, Smith-Bindman R. “Cost Analysis of the STONE Trial: Can Healthcare Costs be Reduced One Test at a Time?” *Med Care.* 2016 Jan 12. [Epub ahead of print]

Tice J, Miglioretti DL, Li C, Vachon C, Gard C, Kerlikowske K. “Breast density and benign breast disease: Risk assessment to identify women at high risk of breast cancer.” *J Clin Oncol.* 2015 Oct 1; 33(28):3137-43.

Onega T, Goldman L, Walker RL, Miglioretti DL, Buist DSM, Taplin T, Geller BM, Hill DA, Smith-Bindman R. “Facility Mammography Volume in Relation to Breast Cancer Screening Outcomes.” *J Med Screen.* 2015 Aug 11.

Miglioretti DL, Zhu W, Kerlikowske K, Sprague BL, Onega T, Buist DSM, Henderson LM, Smith RA, Breast Cancer Surveillance Consortium. “Breast Tumor Prognostic Characteristics and Biennial vs Annual Mammography, Age, and Menopausal Status.” *JAMA Oncol.* 2015 Nov 1;1(8):1069-77.



Diana L. Miglioretti, Ph.D.

Lehman C, Wellman RD, Buist DSM, Kerlikowske K, Tosteson ANA, Miglioretti DL, Breast Cancer Surveillance Consortium. "Diagnostic Accuracy of Digital Screening Mammography with and without Computer-aided Detection." JAMA Internal Medicine. 2015 Sep 28:1-10.

Hubbard RA, Ripping TM, Chubak J, Broeders MJ, Miglioretti DL. "Statistical methods for estimating the cumulative risk of screening mammography outcomes." Cancer Epidemiol Biomarkers Prev. 2015 Dec 31. [Epub ahead of print]

© 2017 UC Regents