



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	Professor and Division Chief of Biostatistics
Specialty	Public Health Sciences- Division of Biostatistics
Department	Public Health Sciences
Division	Public Health Sciences
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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 MD 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	UC Davis School of Medicine Research Award, 2017 North American Primary Care Research Group (NAPCRG) Pearl Award, 2015 Herbert M. Stauffer Award for Best Clinical Paper, 2014



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Top 10 publication funded by NCI's Epidemiology and Genomics Research Program, 2013

Minnies Runner-up for Scientific Paper of the Year, 2013

Top 10 AuntMinnie stories, 2013

Minnies semifinalist for the Most Influential Radiology Researcher, 2013

Fellow of the American Statistical Association, 2018

Best Scientific Paper Presentation Award (in Breast), European Congress of Radiology, 2018

UC Davis School of Medicine Research Award, 2017

Select Recent Publications

Wang Y, Tancredi D, Miglioretti DL. Joint Indirect Standardization when Only Marginal Distributions are Observed in the Index Population, *J Am Stat Assoc.*, 2018 Aug 06 [Epub ahead of print]

Kerlikowske K, Scott GG, Mahmoudzadeh A, Ma L, Winham S, Jensen MR, Wu FF, Malkov S, Pankratz VS, Cummings SR, Shepherd J, Brandt KR, Miglioretti DL, Vachon CM. Automated and clinical BI-RADS breast density measures predict risk of screen-detected and interval cancers. *Ann Intern Med.* 2018 Jun 5;168(11):757-765. doi: 10.7326/M17-3008. Epub 2018 May 1. PMID: 29710124

Braithwaite D, Miglioretti DL, Zhu W, Demb J, Trentham-Dietz A, Sprague B, Tice JA, Onega T, Henderson LM, Buist DSM, Ziv E, Walter LC, Kerlikowske K, Breast Cancer Surveillance Consortium. Family History and Breast Cancer Risk Among Older Women in the Breast Cancer Surveillance Consortium Cohort. *JAMA Intern Med.* 2018 Apr 1;178(4):494-501. Epub 2018 Feb 13. PMID: 29435563

7. Miglioretti DL, Ichikawa L, Smith R, Buist DSM, Carney PA, Geller B, Monsees B, Onega T, Rosenberg R, Sickles EA, Yankaskas B, Kerlikowske K. "Correlation between screening mammography interpretive performance on a test set and performance in clinical practice." *Acad Radiol.* 2017 Oct;24(10):1256-1264. Epub 2017 May 24. PMID: 28551400

Ahern TP, Sprague BL, Bissell M, Miglioretti DL, Buist DSM, Braithwaite D, Kerlikowske K. "Family history of breast cancer, breast density, and breast cancer risk in a U.S. breast cancer screening population." *Cancer Epidemiol Biomarkers Prev.* 2017 Jun;26(6):938-944. Epub 2017 Jan 17.



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PMID:28096200

Engmann NJ, Golmakani MK, Miglioretti DL, Sprague BL, Kerlikowske K, “Population-Attributable Risk Proportion of Clinical Risk Factors for Breast Cancer,” JAMA Oncol. 2017 Sep 1;3(9):1228-1236. PMID: 28152151

Kerlikowske K, Gard CC, Tice JA, Ziv E, Cummings SR, Miglioretti DL. Risk Factors That Increase Risk of Estrogen Receptor–Positive and –Negative Breast Cancer. J Natl Cancer Inst. 2016 Dec 31; 109(5). Print 2017 May. PMID: 28040694

Sprague BL, Arao R, Miglioretti DL, Henderson LM, Buist DSM, Onega T, Rauscher GH, Lee JM, Tosteson ANA, Kerlikowske K, Lehman CD. “National Performance Benchmarks for Modern Diagnostic Digital Mammography: Update from the Breast Cancer Surveillance Consortium.” Radiology. 2017 Apr;283(1):59-69. Epub 2017 Feb 28. PMID: 28244803

Lehman CD, Arao R, Sprague BL, Lee JM, Buist DSM, Kerlikowske K, Henderson LM, Onega T, Tosteson ANA, Rauscher GH, Miglioretti DL. “National Performance Benchmarks for Modern Screening Digital Mammography: Update from the Breast Cancer Surveillance Consortium,” Radiology. 2017 Apr;283(1):49-58. Epub 2016 Dec 5. PMID: 27918707

Smith-Bindman R, Wang Y, Yellen-Nelson TR, Moghadassi M, Wilson N, Gould R, Seibert A, Boone JM, Krishnam M, Lamba R, Hall DJ, Miglioretti DL. “Predictors of CT Radiation Dose and Their Effect on Patient Care: A Comprehensive Analysis Using Automated Data.” Radiology. 2017 Jan;282(1):182-193. Epub 2016 Jul 20. PMID: 27438166

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