



Diana 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
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Education	Ph.D., Johns Hopkins University Bloomberg School of Public Health, Baltimore, Maryland, 2000 Sc.M., Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD, 1996 B.S., University of Maryland, College Park, Maryland, 1992
Professional Memberships	American Association for Cancer Research American Statistical Association International Society for Bayesian Analysis 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, 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



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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

Menes TS, Rosenberg R, Balch S, Jaffer S, Kerlikowske K, Miglioretti DL. "Upgrade of high-risk breast lesions detected on mammography in the Breast Cancer Surveillance Consortium." *The American Journal of Surgery*

Schairer C, Li Y, Frawley P, Graubard BI, Wellman RD, Buist DS, Kerlikowske K, Onega TL, Anderson WF, Miglioretti DL. Risk Factors for Inflammatory Breast Cancer and Other Invasive Breast Cancers. *J Natl Cancer Inst*. 2013 Sep 18;105(18):1373-1384.

O'Meara ES, Zhu W, Hubbard RA, Braithwaite D, Kerlikowske K, Dittus KL, Geller B, Wernli KJ, Miglioretti DL. Mammographic screening interval in relation to tumor characteristics and false-positive risk by race/ethnicity and age. *Cancer*. 2013 Aug 26;. [Epub ahead of print]

Roman M, Hubbard RA, Sebuodegard S, Miglioretti DL, Castells X, Hofvind S. "The cumulative risk of false positive results in the Norwegian Breast Cancer Screening Program: updated results." *Cancer*. 2013 Aug 20. [Epub ahead of print]

Cervenka MC, Lesser R, Tran TT, Fortuné T, Muthugovindan D, Miglioretti DL. "Does the teddy bear sign predict psychogenic nonepileptic seizures?" *Epilepsy Behav*. 2013 Aug;28(2):217-220 Epub 2013 Jun 14.



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Buist DSM, Walker R, Bowles EJA, Carney PA, Taplin SH, Onega T, Kerlikowske K, Clinton W, Miglioretti DL. "Screening mammography use among current, former and never hormone therapy users may not explain recent declines in breast cancer incidence." *Cancer Epidemiology, Biomarkers Prevention* 2012; 21(5):720-7.

Geller BM, Ichikawa L, Miglioretti DL, Eastman D. "Web-based mammography audit feedback." *AJR Am J Roentgenol* 2012; 198(6):W562-7.

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.

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. "Diagnostic imaging utilization and radiation exposure across six large integrated healthcare systems." *JAMA* 2012, 307(22):2400-9.

van Ravesteyn NT, Miglioretti DL, Stout NK, Lee SJ, Schechter CB, Buist DSM, Huang H, Heijnsdijk EAM, Trentham-Dietz A, Alagoz O, Near AM, Kerlikowske K, Nelson HD, Mandelblatt JS, de Koning HJ. "Tipping the balance of benefits and harms to favor screening mammography starting at age 40?" *Ann Intern Med.* 2012 May;156(9):609-17.

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