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Division of Biostatistics · Department of Public Health Sciences · One Shields Avenue · Med Sci 1C ·
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EDUCATION

- 2000 Ph.D. Biostatistics, Johns Hopkins University School of Public Health
Thesis: *Template Mixture Models for Functional Brain Mapping*
Advisor: Scott L. Zeger
- 1996 Sc.M. Biostatistics, Johns Hopkins University School of Public Health
Thesis: *Latent Class Regression for Cross-Sectional and Longitudinal Multivariate Categorical Outcomes.*
Advisor: Karen Bandeen-Roche
- 1992 B.S. Zoology (cum laude with honors), University of Maryland at College Park

PROFESSIONAL EXPERIENCE

- 2013 - Dean's Professor of Biostatistics, Department of Public Health Sciences, School of Medicine, University of California, Davis
- 2010 - 2013 Affiliate Professor, Department of Biostatistics, University of Washington
- 2009 - Senior Scientific Investigator, Group Health Research Institute (formerly the Center for Health Studies), Group Health Cooperative
- 2007 - 2008 Visiting Associate Professor, Division of Biostatistics, University of California San Francisco
- 2006 - 2010 Affiliate Associate Professor, Department of Biostatistics, University of Washington
- 2005 - 2009 Associate Scientific Investigator, Center for Health Studies, Group Health Cooperative
- 2000 - 2005 Assistant Scientific Investigator, Center for Health Studies, Group Health Cooperative
- 2000 - 2006 Affiliate Assistant Professor, Department of Biostatistics, University of Washington
- 1995 - 2000 Sr. Statistician/Programmer, Department of Neurology, Johns Hopkins University
- 1994 - 1995 Research Assistant, Johns Hopkins University School of Public Health
- 1993 - 1995 Data Analyst, Statistical Consulting Service, Beltsville Agricultural Research Center
- 1990 - 1993 Research Assistant, Department of Zoology, University of Maryland
- Summer 1992 Field Assistant, Poço das Antas Biological Reserve, Rio de Janeiro, and Una Biological Reserve, Bahia, Brazil

ACADEMIC HONORS AND AWARDS

2014 Herbert M. Stauffer Award for Best Clinical Paper: Onega T, Anderson ML, **Miglioretti DL**, Buist DS, Geller B, Bogart A, Smith RA, Sickles EA, Monsees B, Bassett L, Carney PA, Kerlikowske K, Yankaskas BC. "Establishing a gold standard for test sets: variation in interpretive agreement of expert mammographers." *Acad Radiol.* 2013 Jun;20(6):731-9. PMID: 23664400

One of the top 10 publications in 2013 funded by NCI's Epidemiology and Genomics Research Program (<http://epi.grants.cancer.gov/highlights/>): **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] PMID: 23754213

Minnies 2013 Runner-up 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] PMID: 23754213
- Top 10 AuntMinnie stories for 2013 (#7): *JAMA Pediatrics*: CT scans put children at higher cancer risk. Minnie's 2013 semifinalist (one of 15) for the "Most Influential Radiology Researcher."
- Minnie's 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. PMID: 22692172
- 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.
- 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] PMID: 23297329
- 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. PMCID: PMC3209800
- Minnie's 2009 Scientific Paper of the Year: Smith-Bindman R, Lipson J, Marcus R, Pyo Kim K, Mahadevappa M, Gould R, Berrington de Gonzalez A, **Miglioretti DL**, "Radiation dose associated with common computed tomography examinations and the associated lifetime attributable risk of cancer," *Arch Intern Med.* 2009 Dec 14;169(22):2078-86.
- Featured article on *Radiology* Dec 2009 podcast: **Miglioretti DL**, Gard CC, Carney PA, Onega T, Buist DSM, Sickles EA, Kerlikowske K, Rosenberg RD, Yankaskas BC, Geller BM, Elmore JG. "When radiologists perform best: The learning curve in screening mammography interpretation," *Radiology.* 2009 Dec;253(3):632-40. PMCID: PMC2786195
- National Institutes of Health Clinical Research Loan Repayment Program, 2003-2007
- International Biometrics Conference Travel Award for Young Investigators, 2002
- Margaret Merrell Award for Excellence in Research, Johns Hopkins University SPH, 2000
- NIH Traineeship on the Epidemiology and Biostatistics of Aging, 1996-2000
- Delta Omega, National Public Health Honorary Society, 2000
- International Biometric Society's ENAR Student Travel Award, 1997
- Biostatistics Departmental Scholarship, Johns Hopkins University SPH, 1994-1996
- Senior Summer Scholarship Recipient, University of Maryland at College Park, 1991
- NSF Research Experience for Undergraduates Program in Neurobiology and Ecology, 1991
- Phi Kappa Phi Honor Society, 1991
- Golden Key National Honor Society, 1990

PROFESSIONAL ACTIVITIES

Reviewer, 2014 David P. Byar young investigator award and American Statistical Association

Biometrics Section travel awards, 2013-2014
Reviewer, applications for Radiological Society of North American (RSNA) 2015 Clinical Trials Methodology Workshop Biostatistics Candidates, 2014
Chair-Elect, American Statistical Association Biometrics Section, 2014
Reviewer, applications for Radiological Society of North American (RSNA) 2014 Clinical Trials Methodology Workshop, 2013
Tier 2 reviewer, NCI-funded Cancer Research Network pilot and developmental projects, 2013
Member, UC Davis Center for Healthcare Policy and Research, 2013 – Present
Member, UC Davis Comprehensive Cancer Center, 2013 – Present
Faculty member, Radiological Society of North America (RSNA) Clinical Trials Methodology Workshop, 2006-2010 & 2012-2014
Reviewer, Komen grant applications for Prevention Early/Detection: New Strategies for Early Detection and Minimizing Exposure to Ionizing Radiation, 2013
Reviewer, applications for NCI-funded Cancer Research Network research scholars program, 2012
Content expert, California Health Benefits Review Program, 2009 & 2011
Member, Group Health Research Institute Strategic Planning Committee, 2011
Ad-hoc reviewer, National Institutes of Health, Health Services Organization and Delivery (HSOD) study section, October 2010
Chair, International Biometrics Society WNAR Regional Advisory Board, 2010-2013
Member, International Biometrics Society WNAR Regional Advisory Board, 2009-2011
Invited participant, NCI Cancer Surveillance Planning Workshop, 2009
Member, Group Health Research Institute Scientific Policy Committee, 2002-2004, 2008-2010
American Statistical Association Biometrics Section Council of Sections Representative, 2007-2009
American College of Radiology National Mammography Database Planning Committee, 2007-2012
David P. Byar Award Committee, Biometrics Section, American Statistical Association, 2007
Radiological Society of North America (RSNA) Test Performance Characteristics Core Curriculum Group, 2006-2007
International Biometrics Society WNAR nominating committee, 2006
Member, 2006 International Biometrics Society ENAR Junior Researcher Workshop Planning Committee, 2005
Member, NIH Vision in Preschoolers Expert Panel, July 2005
Ad-hoc Reviewer, NIH Special Emphasis Panel, Small Business Innovation Research, March and July 2002, March and September 2005
Ad-hoc Reviewer, NCI Mammography Imaging P01 Panel, June 2004
Member, Local Assistance Committee, 1999 Joint Statistical Meetings, 1999
Member, American Statistical Association, 1994 – Present
Member, The International Biometric Society Eastern North American Region, 1994 – Present
Member, The International Biometric Society Western North American Region, 2000 – Present
Member, International Society for Bayesian Analysis, 2001 – 2010
Member, American Association for Cancer Research, 2004 – Present
Member, Statistical Society of Canada, 2005 – 2012
Member, Society for Neuroscience, 2005 – 2006
Member, Radiation Research Society, 2014 – Present
Referee for *AJR American Journal of Roentgenology*, *Annals of Internal Medicine*, *Biometrics*, *Biostatistics*, *The Breast*, *Canadian Journal of Statistics*, *Communications in Statistics*, *Health Services and Outcomes Research Methodology*, *Medical Care*, *JAMA Pediatrics*, *Journal of the Royal Statistical Society C (Applied Statistics)*, *Psychological Methods*, *Radiology*, *Statistics in Medicine*, *Statistical Modelling*

PUBLICATIONS IN PEER REVIEWED JOURNALS

1. Dietz JM, Baker AJ, **Miglioretti DL**. “Seasonal variation in reproduction, juvenile growth, and adult body mass in golden lion tamarins (*Leontopithecus rosalia*).” *Am J Primatol*. 1994;34:115-32.
2. Boatman D, **Miglioretti DL**, Hart J, Lamberti N, Rothlisberger B, Gordon B. “Localization and variability in the cortical representation of auditory syllable discrimination and comprehension.” *Brain Lang*. 1996;55(1):150-2.
3. Bandeen-Roche K, **Miglioretti DL**, Zeger SL, Rathouz P. “Latent variable regression for multiple discrete outcomes.” *J Am Stat Assoc*. 1997;92(440):1375–86.
4. Codori AM, Slavney PR, Young C, **Miglioretti DL**, Brandt J. “Predictors of psychological adjustment to genetic testing for Huntington’s disease.” *Health Psychol*. 1997 Jan;16(1):36-50. PMID: 9028814
5. Rathouz PJ, Kasper JD, Zeger SL, Ferrucci L, Bandeen-Roche K, **Miglioretti DL**, Fried LP. “Short-term consistency in self-reported physical functioning among elderly women: The Women’s Health and Aging Study.” *Am J Epidemiol*. 1998;147(8):764-73. PMID: 9554418
6. Hart J Jr, Crone NE, Lesser RP, Sieracki J, **Miglioretti D**, Hall C, Sherman D, Gordon B. “Temporal dynamics of verbal object comprehension,” *Proc Natl Acad Sci*. 1998 May 26;95:6498-503. PMCID: PMC27830
7. Boatman D, Hart J Jr, Lesser RP, Honeycutt N, Anderson NB, **Miglioretti D**, Gordon B. “Right hemisphere speech perception as revealed by amobarbital injection and electrical interference.” *Neurology*. 1998 Aug;51(2):458-64. PMID: 9710019
8. Crone NE, **Miglioretti DL**, Gordon B, Sieracki JM, Wilson MT, Uematsu S, Lesser RP. “Functional mapping of human sensorimotor cortex with electrocorticographic spectral analysis I. Alpha and beta event-related desynchronization.” *Brain*. 1998;121(12):2271-99. PMID: 9874480
9. Crone NE, **Miglioretti DL**, Gordon B, Lesser RP. “Functional mapping of human sensorimotor cortex with electrocorticographic spectral analysis II. Event-related synchronization in the gamma band.” *Brain*. 1998;121(12):2301-15. PMID: 9874481
10. Codori AM, Petersen GM, **Miglioretti DL**, Larkin EK, Bushey MT, Young C, Brensinger JD, Johnson K, Bacon JA, Booker SV. “Attitudes toward colon cancer gene testing: factors predicting test uptake.” *Cancer Epidemiol Biomarkers Prev*. 1999 Apr;8(4 Pt 2):345-51. PMID: 10207639
11. Boatman D, Freeman J, Vining E, Pulsifer M, **Miglioretti D**, Minahan R, Carson B, Brandt J, McKhann G. “Language recovery after left hemispherectomy in children with late onset seizures.” *Ann Neurol*. 1999 Oct;46(4):579-86. PMID: 10514094
12. Lesser RP, Kim SH, Beyderman L, **Miglioretti DL**, Webber WR, Bare M, Cysyk B, Krauss G, Gordon B. “Brief bursts of pulse stimulation terminate afterdischarges due to cortical stimulation.” *Neurology*. 1999 Dec 10;53(9):2073-81. PMID: 10599784
13. Boatman D, Gordon B, Hart J, Selnes O, **Miglioretti D**, Lenz F. “Transcortical sensory aphasia, revisited and revised.” *Brain*. 2000;123(8):1634-42. PMID: 10908193
14. **Miglioretti DL**, McCulloch C, Zeger SL. “Template mixture models for Direct Cortical Electrical Interference Data.” *Biostatistics*. 2000 Dec;1(4):403-21. PMID: 12933564
15. Codori AM, Petersen GM, **Miglioretti DL**, Boyd, P. “Health beliefs and endoscopic screening for colorectal cancer: potential for cancer prevention” *Prev Med*. 2001 Aug;33(2 Pt 1):128-36. PMID: 11493046
16. **Miglioretti DL**, McCulloch C, Zeger SL. “Combining images across multiple subjects: a study of direct cortical electrical interference.” *J Am Stat Assoc*. 2002;97(457):125-35.
17. Motamedi GK, Lesser RP, **Miglioretti DL**, Mizuno-Matsumoto Y, Gordon B, Webber WR, Jackson DC, Sepkuty JP, Crone NE. “Optimizing parameters for terminating cortical afterdischarges with pulse stimulation.” *Epilepsia*. 2002 Aug;43(8):836-46. PMID: 12181002
18. Elmore JG, **Miglioretti DL**, Reisch LM, Barton MB, Kreuter W, Christiansen CL, Fletcher SW.

- “Screening mammograms by community radiologists: variability in false-positive rates.” *J Natl Cancer Inst.* 2002 Sep 18;94(18):1373-80. PMID: PMC3142994
19. Rutter CM, **Miglioretti DL**. “Estimating the accuracy of psychological scales using longitudinal data.” *Biostatistics.* 2003 Jan;4(1):97-107. PMID: 12925332
 20. Codori AM, Zawacki KL, Petersen GM, **Miglioretti DL**, Bacon JA, Trimbath JD, Booker SV, Picarello K, Giardiello FM. “Genetic testing for hereditary colorectal cancer in children: long-term psychological effects.” *Am J Med Genet A.* 2003 Jan 15;116A(2):117-28. PMID: 12494429
 21. Carney PA, **Miglioretti DL**, Yankaskas BC, Kerlikowske K, Rosenberg R, Rutter CM, Geller BM, Abraham LA, Taplin, SH, Dignan M, Cutter G, Ballard-Barbash R. “Individual and combined effects of age, breast density, and hormone replacement therapy use on the accuracy of screening mammography.” *Ann Intern Med.* 2003 Feb 4;138(3):168-75. PMID: 12558355
 22. John MT, **Miglioretti DL**, LeResche L, Von Korff M, Critchlow CW. “Widespread pain as a risk factor for dysfunctional temporomandibular disorder pain.” *Pain.* 2003 Apr;102(3):257-63. PMID: 12670667
 23. **Miglioretti DL**. “Latent transition regression for mixed outcomes.” *Biometrics.* 2003 Sep;59(3):710-20. PMID: 14601773
 24. John MT, LeResche L, Koepsell TD, Hujoel P, **Miglioretti DL**, Micheelis W. “Oral health-related quality of life in Germany.” *Eur J Oral Sci.* 2003 Dec;111(6):483-91. PMID: 14632684
 25. Kerlikowske K, **Miglioretti DL**, Ballard-Barbash R, Weaver DL, Buist DS, Barlow WE, Cutter G, Geller BM, Yankaskas B, Taplin SH, Carney PA. “Prognostic characteristics of breast cancer among postmenopausal hormone users in a screened population.” *J Clin Oncol.* 2003 Dec 1;21(23):4314-21. PMID: 14645420
 26. **Miglioretti DL**, Boatman D. “Modeling variability in cortical representations of human complex sound perception.” *Exp Brain Res.* 2003;153(3):382-7. PMID: 14534769
 27. Mandelson MT, **Miglioretti D**, Newcomb PA, Harrison R, Potter JD.. “Hormone replacement therapy in relation to survival in women diagnosed with colon cancer.” *Cancer Causes Control.* 2003 Dec;14(10):979-84. PMID: 14750537
 28. Smith-Bindman R, Chu PW, **Miglioretti DL**, Sickles E, Blanks R, Ballard-Barbash R, Bobo JK, Lee NC, Wallis MG, Patnick J, Kerlikowske K. “Comparison of screening mammography in the United States and the United Kingdom.” *JAMA.* 2003 Oct 22;290(16):2129-37. Erratum in: *JAMA.* 2004 Feb 18;291(7):824. PMID: 14570948
 29. John MT, Koepsell TD, Hujoel P, **Miglioretti DL**, LeResche L, Micheelis W. “Demographic factors, denture status and oral health-related quality of life.” *Community Dent Oral Epidemiol.* 2004 Apr;32(2):125-32. PMID: 15061861
 30. Buist DS, Newton KM, **Miglioretti DL**, Beverly K, Connelly MT, Andrade S, Hartsfield CL, Wei F, Chan KA, Kessler L. “Hormone therapy prescribing patterns in the United States.” *Obstet Gynecol.* 2004 Nov;104(5):1042-50. PMID: 15516400
 31. John MT, Hujoel P, **Miglioretti DL**, LeResche L, Koepsell TD, Micheelis W. “Dimensions of oral-health-related quality of life.” *J Dent Res.* 2004;83(12):956-60. PMID: 15557405
 32. White E, **Miglioretti DL**, Yankaskas BC, Geller BM, Rosenberg RD, Kerlikowske K, Saba L, Vacek PM, Carney PA, Buist DS, Oestreicher N, Barlow W, Ballard-Barbash R, Taplin SH. “Biennial versus annual mammography and the risk of late-stage breast cancer.” *J Natl Cancer Inst.* 2004 Dec 15;96(24):1832-9. PMID: 15601639
 33. **Miglioretti DL**, Rutter CM, Geller BM, Cutter G, Barlow WE, Rosenberg R, Weaver DL, Taplin SH, Ballard-Barbash R, Carney PA, Yankaskas BC, Kerlikowske K. “Effect of breast augmentation on the accuracy of mammography and cancer characteristics.” *JAMA.* 2004 Jan 28;291(4):442-50. PMID: 14747501
 34. **Miglioretti DL**, Heagerty PJ. “Marginal modeling of multilevel binary data with time-varying covariates.” *Biostatistics.* 2004 Jul; 5(3):381-98. PMID: 15208201
 35. Newton KM, Buist DS, **Miglioretti DL**, Beverly K, Hartsfield CL, Chan KA, Andrade SE, Wei F,

- Connelly MT, Kessler L. "The impact of comorbidities on hormone use. After the 2002 release of the Women's Health Initiative." *J Gen Intern Med*. 2005 Apr;20(4):350-6. PMID: PMC1490092
36. Sickles EA, **Miglioretti DL**, Ballard-Barbash R, Geller BM, Leung JW, Rosenberg RD, Smith-Bindman R, Yankaskas BC. "Performance benchmarks for diagnostic mammography." *Radiology*. 2005 Jun;35(3):775-90. PMID: 15914475
37. Smith-Bindman R, Ballard-Barbash R, **Miglioretti DL**, Patnick J, Kerlikowske K. "Comparing the performance of mammography screening in the USA and the UK." *J Med Screen*. 2005;12(1):50-4. PMID: 15814020
38. Codori AM, Waldeck T, Petersen GM, **Miglioretti D**, Trimbath JD, Tillery MA. "Genetic counseling outcomes: perceived risk and distress after counseling for hereditary colorectal cancer." *J Genet Couns*. 2005 Apr;14(2):119-32. PMID: 1595963
39. Von Korff M, Crane P, Lane M, **Miglioretti DL**, Simon G, Saunders K, Stang P, Branderburg N, Kessler R. "Chronic spinal pain and physical-mental comorbidity in the United States: results from the National Comorbidity Survey replication." *Pain*. 2005 Feb;113(3):331-9. PMID: 15661441
40. Von Korff M, Balderson BH, Saunders K, **Miglioretti DL**, Lin EH, Berry S, Moore JE, Turner JA. "A trial of an activating intervention for chronic back pain in primary care and physical therapy settings." *Pain*. 2005 Feb;113(3):323-30. PMID: 15661440
41. Smith-Bindman R, Chu P, **Miglioretti DL**, Quale C, Rosenberg RD, Cutter G, Geller B, Bacchetti P, Sickles EA, Kerlikowske K. "Physician predictors of mammographic accuracy." *J Natl Cancer Inst*. 2005 Mar 2;97(5):358-67. PMID: 15741572
42. Cronin KA, Yu B, Krapcho M, **Miglioretti DL**, Fay MP, Izmirlian G, Ballard-Barbash R, Geller BM, Feuer EJ. "Modeling the dissemination of mammography in the United States." *Cancer Causes Control*. 2005 Aug;16(6):701-12. PMID: 16049809
43. Boatman DF, **Miglioretti DL**. "Cortical sites critical for speech discrimination in normal and impaired listeners." *J Neurosci*. 2005 Jun 8;25(23):5475-80. PMID: 15944375
44. Von Korff M, **Miglioretti DL**. "A prognostic approach to defining chronic pain." *Pain*. 2005 Oct;117(3):304-13. PMID: 16153772
45. Wei F, **Miglioretti DL**, Connelly MT, Andrade SE, Newton KM, Hartsfield CL, Chan KA, Buist DS. "Changes in women's use of hormones after the Women's Health Initiative Estrogen and Progestin trial by race, education, and income." *J Natl Cancer Inst Monogr*. 2005;35:106-12. PMID: 16287895
46. Sherman KJ, Cherkin DC, Erro J, **Miglioretti DL**, Deyo RA. "Comparing yoga, exercise, and a self-care book for chronic low back pain: a randomized, controlled trial." *Ann Intern Med*. 2005 Dec 20;143(12):849-56. PMID: 16365466
47. John MT, **Miglioretti DL**, LeResche L, Koepsell TD, Hujoel P, Micheelis W. "German short forms of the Oral Health Impact Profile." *Community Dent Oral Epidemiol*. 2006 Aug;34(4):277-88. PMID: 16856948
48. Boatman DF, Lesser RP, Crone NE, Krauss G, Lenz FA, **Miglioretti DL**. "Speech recognition impairments in patients with right temporal lobe epilepsy." *Epilepsia*. 2006 Aug;47(8):1397-401. PMID: 16922887
49. Haas JS, Geller B, **Miglioretti DL**, Buist DS, Nelson DE, Kerlikowske K, Carney PA, Breslau ES, Dash S, Canales MK, Ballard-Barbash R. "Changes in the newspaper coverage of hormone therapy with the release of new medical evidence." *J Gen Intern Med*. 2006 Apr;21(4):304-9. PMID: PMC1484740
50. Simon GE, Von Korff M, Saunders K, **Miglioretti DL**, Crane PK, van Belle G, Kessler RC. "Association between obesity and psychiatric disorders in the US adult population." *Arch Gen Psychiatry*. 2006 Jul;63(7):824-30. PMID: PMC1913935
51. Smith-Bindman R, **Miglioretti DL**, Lurie N, Abraham L, Barbash RB, Strzelczyk J, Dignan M, Barlow WE, Beasley CM, Kerlikowske K. "Does utilization of screening mammography explain racial and ethnic differences in breast cancer?" *Ann Intern Med*. 2006 Apr 18;144(8):541-53. PMID: 16618951
52. Buist DS, Aiello EJ, **Miglioretti DL**, White E. "Mammographic breast density, dense area, and breast

- area differences by phase in the menstrual cycle.” *Cancer Epidemiol Biomarkers Prev.* 2006 Nov;15(11):2303-6. PMID: 17119062
53. Harel O, **Miglioretti DL**. “Latent class analysis and the rate of missing information.” *J Data Sci.* 2007;5(2):269-88.
 54. Rutter CM, Yu O, **Miglioretti DL**. “A hierarchical non-homogenous Poisson model for meta-analysis of adenoma counts.” *Stat Med.* 2007 Jan 15;26(1):98-109. PMID: 16372387
 55. Carney PA, Abraham LA, **Miglioretti DL**, Yabroff KR, Sickles EA, Buist DS, Kasales CJ, Geller BM, Rosenberg RD, Dignan MB, Weaver DL, Kerlikowske K, Breast Cancer Surveillance Consortium. “Factors associated with imaging and procedural events used to detect breast cancer following screening mammography.” *AJR Am J Roentgenol.* 2007 Feb;188(2):385-92. PMID: 17242246
 56. **Miglioretti DL**, Heagerty PJ. “Marginal modeling of nonnested multilevel data using standard software.” *Am J Epidemiol.* 2007 Feb 15;165(4):453-63. PMID: 17121864
 57. Carney PA, Yi JP, Abraham LA, Miglioretti DL, Aiello EJ, Gerrity MS, Reisch L, Berns EA, Sickles EA, Elmore JG. “Reactions to uncertainty and the accuracy of diagnostic mammography.” *J Gen Intern Med.* 2007 Feb;22(2):234-41. PMCID: PMC1824735
 58. Haas JS, **Miglioretti DL**, Geller B, Buist DS, Nelson DE, Kerlikowske K, Carney PA, Dash S, Breslau ES, Ballard-Barbash R. “Average household exposure to newspaper coverage about the harmful effects of hormone therapy and population-based declines in hormone therapy use.” *J Gen Intern Med.* 2007 Jan;22(1):68-73. PMCID: PMC1824785
 59. Jiang Y, **Miglioretti DL**, Metz CE, Schmidt RA. “Breast cancer detection rate: designing imaging trials to demonstrate improvements.” *Radiology.* 2007 May;243(2):360-7. PMID: 1745866
 60. Boatman DF, **Miglioretti DL**, Eberwein C, Alidoost M, Reich SG. “How accurate are bedside hearing tests?” *Neurology.* 2007 Apr 17;68(16):1311-4. PMID: 17438223
 61. Boudreau DM, Yu O, **Miglioretti DL**, Buist DS, Heckbert SR, Daling JR. “Statin use and breast cancer risk in a large population-based setting.” *Cancer Epidemiol Biomarkers Prev.* 2007 Mar;16(3):416-21. PMCID: PMC2065858
 62. Kerlikowske K, Ichikawa L, **Miglioretti DL**, Buist DS, Vacek PM, Smith-Bindman R, Yankaskas BC, Carney P, Ballard-Barbash R, National Cancer Institute Breast Cancer Surveillance Consortium. “Longitudinal measurement of clinical mammographic breast density to improve estimation of breast cancer risk,” *J Natl Cancer Inst.* 2007 Mar 7;99(5):386-95. PMID: 17341730
 63. Kerlikowske K, **Miglioretti DL**, Buist DS, Walker R, Carney PA, National Cancer Institute – Sponsored Breast Cancer Surveillance Consortium. “Declines in invasive breast cancer and use of postmenopausal hormone therapy in a screening mammography population.” *J Natl Cancer Inst.* 2007 Sep 5;99(17):1335-9. PMID: 17698950
 64. Hwang ES, **Miglioretti DL**, Ballard-Barbash R, Weaver DL, Kerlikowske K, National Cancer Institute Breast Cancer Surveillance Consortium. “Association between breast density and subsequent breast cancer following treatment for ductal carcinoma *in situ*.” *Cancer Epidemiol Biomarkers Prev.* 2007 Dec;16(12):2587-93. PMID: 18086762
 65. **Miglioretti DL**, Smith-Bindman R, Abraham L, Brenner RJ, Carney PA, Bowles EJ, , Buist DS, Elmore JG. “Radiologist characteristics associated with interpretive performance of diagnostic mammography.” *J Natl Cancer Inst.* 2007 Dec 19;99(24):1854-63. PMCID: PMC3144707
 66. Goldman LE, Haneuse SJ, **Miglioretti DL**, Kerlikowske K, Buist DS, Yankaskas B, Smith-Bindman R, National Cancer Institute Sponsored Breast Cancer Surveillance Consortium. “An assessment of the quality of mammography care at facilities treating medically vulnerable populations.” *Med Care.* 2008 Jul;46(7):701-8. PMCID: PMC2674332
 67. **Miglioretti DL**, Brown ER. “A marginalized diffusion model for estimating age at first lower endoscopy use from current-status data.” *J R Stat Soc Ser C Appl Stat.* 2008 Feb;57(1):61-74.
 68. Smith-Bindman R, **Miglioretti DL**, Rosenberg R, Reid RJ, Taplin SH, Geller BM, Kerlikowske K, National Institutes of Health Breast Cancer Surveillance Consortium. “Physician workload in

- mammography,” *AJR Am J Roentgenol*. 2008 Feb;190(2):526-32. PMID: 18212242
69. Aiello Bowles EJ, **Miglioretti DL**, Sickles EA, Abraham L, Carney PA, Yankaskas BC, Elmore JG. “Accuracy of short-interval follow-up mammograms by patient and radiologist characteristics.” *AJR Am J Roentgenol*. 2008 May;190(5):1200-8. PMID: PMC3148073
 70. Boudreau DM, Yu O, Buist DS, **Miglioretti DL**. “Statin use and prostate cancer risk in a large population-based setting.” *Cancer Causes Control*. 2008 Sep;19(7):767-74. PMID: PMC2575006
 71. Lesser RP, Lee HW, Webber WR, Prince B, Crone N, **Miglioretti DL**. “Short-term variations in response distribution to cortical stimulation.” *Brain*. 2008 Jun;131(6):1528-39. PMID: PMC2408939
 72. **Miglioretti DL**, Rutter CM, Bradford SC, Zauber AG, Kessler LG, Feuer EJ, Grossman DC. “Improvement in the diagnostic evaluation of a positive fecal occult blood test in an integrated health care organization.” *Med Care*. 2008 Sep;46(9 Suppl 1):S91-6. PMID: 18725839
 73. Smith-Bindman R, **Miglioretti DL**, Larson EB. “Rising use of diagnostic medical imaging in a large integrated health system.” *Health Aff (Milwood)* 2008 Nov-Dec;27(6):1491-502. PMID: PMC2765780
 74. Kerlikowske K, Walker R, **Miglioretti DL**, Desai A, Ballard-Barbash R, Buist DS for the National Cancer Institute-Sponsored Breast Cancer Surveillance Consortium. “Obesity, mammography use and accuracy, and advanced breast cancer risk.” *J Natl Cancer Inst*. 2008 Dec 3;100(23):1724-33. PMID: PMC2734114
 75. Yu O, Boudreau DM, Buist DS, **Miglioretti DL**. “Statin use and female reproductive organ cancer risk in a large population-based setting.” *Cancer Causes Control*. 2009 Jul;20(5):609-16. PMID: PMC3041638
 76. Sherman KJ, Cherkin DC, Hawkes RJ, **Miglioretti DL**, Deyo RA. “Randomized trial of therapeutic massage for chronic neck pain.” *Clin J Pain*. 2009 Mar-Apr;25(3):233-8. PMID: PMC2664516
 77. **Miglioretti DL**, Haneuse SJ, Anderson ML, “Statistical approaches for modeling radiologists’ interpretive performance.” *Acad Radiol*. 2009 Feb;16(2):227-38. PMID: PMC2653267
 78. Dick JF 3rd, Gallagher TH, Brenner RJ, Yi JP, Reisch LM, Abraham L, **Miglioretti DL**, Carney PA, Cutter GR, Elmore JG. “Predictors of radiologists’ perceived risk of malpractice lawsuits in breast imaging.” *AJR Am J Roentgenol*. 2009 Feb;192(2):327-33. PMID: PMC3138733
 79. Jenkins JR, Graff JJ, **Miglioretti DL**. “Estimating reading growth using intermittent CBM progress monitoring,” *Except Child*. 2009;75(2):151-63.
 80. Sinai A, Crone NE, Wied HM, Franaszczuk PJ, **Miglioretti D**, Boatman-Reich D. “Intracranial mapping of auditory perception: event-related responses and electrocortical stimulation.” *Clin Neurophysiol*. 2009 Jan;120(1):140-9. PMID: PMC2819074
 81. Geller BM, Bowles EJ, Sohng HY, Brenner RJ, **Miglioretti DL**, Carney PA, Elmore JG. “Radiologists’ performance and their enjoyment of interpreting screening mammograms.” *AJR Am J Roentgenol*. 2009 Feb;192(2):361-9. PMID: PMC2824325
 82. Rutter CM, **Miglioretti DL**, Savarino JE. “Bayesian calibration of microsimulation models.” *J Am Stat Assoc*. 2009 Dec 1;104(488):1338-50. PMID: PMC2805837
 83. Carney PA, Kettler M, Cook AJ, Geller BM, Karliner L, **Miglioretti DL**, Bowles EA, Buist DS, Gallagher TH, Elmore JG. “An assessment of the likelihood, frequency, and content of verbal communication between radiologists and women receiving screening and diagnostic mammography.” *Acad Radiol*. 2009 Sep;16(9):1056-63. PMID: PMC2746626
 84. Abraham L, Geller BM, Yankaskas BC, Bowles EJ, Karliner LS, Taplin SH, **Miglioretti DL**. “Accuracy of self-reported breast cancer among women undergoing mammography.” *Breast Cancer Res Treat*. 2009 Dec;118(3):583-92. PMID: PMC2784159
 85. Cronin KA, **Miglioretti DL**, Krapcho M, Yu B, Geller BM, Carney PA, Onega T, Feuer EJ, Breen N, Ballard-Barbash R. “Bias associated with self-report of prior screening mammography” *Cancer Epidemiol Biomarkers Prev*. 2009 Jun;18(6):1699-705. PMID: PMC2771779
 86. Gallagher TH, Cook AJ, Brenner RJ, Carney PA, **Miglioretti DL**, Geller BM, Kerlikowske K, Onega TL, Rosenberg RD, Yankaskas B, Lehman CD, Elmore JG. “Disclosing harmful mammography errors to

- patients.” *Radiology*. 2009 Nov;253(2):443-52. PMID: PMC2770115
87. Elmore JG, Jackson SL, Abraham L, **Miglioretti DL**, Carney PA, Geller BM, Yankaskas BC, Kerlikowske K, Onega T, Rosenberg RD, Sickles EA, Buist DS. “Variability in interpretive performance at screening mammography and radiologists’ characteristics associated with accuracy.” *Radiology*. 2009 Dec;253(3):641-51. PMID: PMC2786197
 88. **Miglioretti DL**, Gard CC, Carney PA, Onega TL, Buist DSM, Sickles EA, Kerlikowske K, Rosenberg RD, Yankaskas BC, Geller BM, Elmore JG. “When radiologists perform best: the learning curve in screening mammography interpretation.” *Radiology*. 2009Dec;253(3):632-40. PMID: PMC2786195
 89. Menes TS, Kerlikowske K, Jaffer S, Seger D, and **Miglioretti DL**. “Rates of atypical ductal hyperplasia have declined with less use of postmenopausal hormone treatment: findings from the Breast Cancer Surveillance Consortium.” *Cancer Epidemiol Biomarkers Prev*. 2009 Nov;18(11):2822-8. PMID: PMC2920735
 90. Smith-Bindman R, Lipson J, Marcus R, Pyo Kim KP, Mahesh M, Gould R, Berrington de Gonzalez A, **Miglioretti DL**. “Radiation dose associated with common computed tomography examinations and the associated lifetime attributable risk of cancer.” *Arch Intern Med*. 2009 Dec 14;169(22):2078-86. PMID: 20008690
 91. Cook AJ, Elmore JG, **Miglioretti DL**, Sickles EA, Aiello Bowles EJ, Cutter GR, Carney PA. “Decreased accuracy in interpretation of community-based screening mammography for women with multiple clinical risk factors.” *J Clin Epidemiol*. 2010 Apr;63(4):441-51. PMID: PMC2837135
 92. Hubbard RA, **Miglioretti DL**, Smith RA, “Modeling the cumulative risk of a false-positive screening test,” *Stat Methods Med Res*. 2010 Oct;19(5):429-49. PMID: PMC2916076
 93. Carney PA, Sickles EA, Monsees BS, Bassett LW, Brenner RJ, Feig SA, Smith RA, Rosenberg RD, Bogart TA, Browning S, Barry JW, Kelly MM, Tran K, **Miglioretti DL**. “Identifying minimally acceptable interpretive performance criteria for screening mammography.” *Radiology*. 2010 May;255(2):354-61. PMID: PMC2858814 (**#2 most-downloaded *Radiology* article in 2010**)
 94. Lee HW, Webber WR, Crone N, **Miglioretti DL**, Lesser RP. “When is electrical cortical stimulation more likely to produce afterdischarges?” *Clin Neurophysiol*. 2010 Jan;121(1):14-20. PMID: PMC2852681
 95. Bowles EJ, Sickles EA, **Miglioretti DL**, Carney PA, Elmore JG. “Recommendation for short-interval follow-up examinations after a probably benign assessment: is clinical practice consistent with BI-RADS guidance?” *AJR Am J Roentgenol*. 2010 Apr;194(4):1152-9. PMID: PMC2861652
 96. Jenson A, Geller BM, Gard CC, **Miglioretti DL**, Yankaskas B, Carney PA, Rosenberg RD, Vejborg I, Lynge E. “Performance of diagnostic mammography differs in the United States and Denmark.” *Int J of Cancer*. 2010 Oct 15;127(8):1905-12. PMID: 3755747
 97. Elmore JG, Aiello Bowles EJ, Geller B, Oster NV, Carney PA, **Miglioretti DL**, Buist DS, Kerlikowske K, Sickles EA, Onega T, Rosenberg RD, Yankaskas BC. “Radiologists’ attitudes and use of mammography audit reports.” *Acad Radiol*. 2010 Jun;17(6):752-60. PMID: PMC2894027
 98. Cox B, Ballard-Barbash R, Broeders M, Dowling E, Malila N, Shumak R, Taplin S, Buist D, **Miglioretti DL** for the International Cancer Screening Network. “Recording of hormone therapy and breast density in breast screening programs: summary and recommendations of the International Cancer Screening Network.” *Breast Cancer Res Treat*. 2010 Dec;124(3):793-800. PMID: 20414718
 99. Phipps AI, Ichikawa L, Bowles EJ, Carney PA, Geller BM, Kerlikowske K, **Miglioretti DL**, Buist DS. “Defining menopausal status in epidemiologic studies: An comparison of multiple approaches and their effects on breast cancer rates.” *Maturitas*. 2010 Sep;67(1):60-6. PMID: PMC2922404
 100. Onega T, Aiello Bowles EJ, **Miglioretti DL**, Carney PA, Geller BM, Yankaskas BC, Kerlikowske K, Sickles EA, Elmore JG. “Radiologists’ perceptions of computer aided detection versus double reading for mammography interpretation.” *Acad Radiol*. 2010 Oct;17(10):1217-26. PMID: PMC3149895
 101. Kerlikowske K, Cook AJ, Buist DS, Cummings SR, Vachon C, Vacek P, **Miglioretti DL**, “Breast cancer risk by breast density, menopause, and postmenopausal hormone therapy use,” *J Clin Oncol*. 2010 Aug

- 20;28(24):3830-7. PMID: PMC2940400
102. Goldman LE, Walker R, **Miglioretti DL**, Smith-Bindman R, Kerlikowske K. "Accuracy of diagnostic mammography at facilities serving vulnerable women," *Med Care*. 2011 Jan;49(1):67-75. PMID: 3689881
 103. **Miglioretti DL**, Walker R, Weaver DL, Buist DS, Taplin SH, Carney PA, Rosenberg RD, Dignan MB, Zhang ZT, White E, "Accuracy of screening mammography varies by week of menstrual cycle." *Radiology*. 2011 Feb;258(2):372-9. PMID: PMC3029886
 104. Carney PA, Geller BM, Sickles EA, **Miglioretti DL**, Aiello Bowles E, Abraham L, Feig SA, Brown D, Cook AJ, Yankaskas BC, Elmore JG. "Feasibility and satisfaction with using a tailored web-based intervention for recalibrating radiologists' thresholds for conducting additional work-up." *Acad Radiol*. 2011 Mar;18(3):369-76. PMID: PMC3034778
 105. Carney PA, Bowles EJ, Sickles EA, Geller BM, Feig SA, Jackson S, Brown D, Cook A, Yankaskas BC, **Miglioretti DL**, Elmore JG. "Using a tailored web-based intervention to set goals to reduce unnecessary recall." *Acad Radiol*. 2011 Apr;18(4):495-503. PMID: PMC3065970
 106. Buist DSM, Anderson ML, Haneuse SJ, Sickles EA, Smith RA, Carney PA, Taplin SH, Rosenberg RD, Geller BM, Onega TL, Monsees BS, Bassett LW, Yankaskas BC, Elmore JG, Kerlikowske K, **Miglioretti DL**. "Influence of annual interpretive volume on screening mammography performance in the United States." *Radiology*. 2011 Apr;259(1):72-84. PMID: PMC3064821
 107. Houssami N, Abraham L, **Miglioretti DL**, Sickles EA, Kerlikowske K, Buist DM, Geller BM, Muss HB, Irwig L. "Accuracy and outcomes of screening mammography in women with a personal history of early-stage breast cancer," *JAMA*. 2011 Feb 23;305(8):790-9. PMID: 21343578
 108. Roth MR, Elmore JG, Yi-Frazier JP, Reisch LM, Oster NV, **Miglioretti DL**. "Self-detection remains a key method of breast cancer detection for U.S. women." *J Womens Health (Larchmt)*. 2011 Aug;20(8):1135-9. PMID: PMC3153870
 109. Rosenberg RD, Haneuse SJ, Geller BM, Buist DSM, **Miglioretti DL**, Brenner RJ, Smith-Bindman R, Taplin SH. "Timeliness of follow-up after abnormal screening mammogram: variability of facilities." *Radiology*. 2011 Nov;261(2):404-13. PMID: PMC3198220
 110. Hubbard RA, Kerlikowske K, Flowers CI, Yankaskas BC, Zhu W, **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. PMID: PMC3209800
 111. Rutter CM, **Miglioretti DL**, Savarino J. "Evaluating risk factor assumptions: A simulation-based approach," *BMC Med Inform Decis Mak*. 2011 Sep 7;11(1):55. PMID: PMC3182875
 112. Kerlikowske K, Hubbard R, **Miglioretti DL**, Geller BM, Yankaskas BC, Lehman C, Taplin SH, Sickles EA. "Comparative effectiveness of digital versus film-screen mammography in community practice in the United States: A cohort study." *Ann Intern Med*. 2011 Oct 18;155(8):493-502. PMID: PMC3726800
 113. Carney PA, Cook AJ, **Miglioretti DL**, Feig SA, Bowles EA, Geller BM, Kerlikowske K, Kettler M, Onega T, Elmore JG. "Use of clinical history affects accuracy of interpretive performance of screening mammography." *J Clin Epidemiol* 2012;65(2):219-30. PMID: PMC3253253
 114. Haneuse S, Buist DS, **Miglioretti DL**, Anderson ML, Carney PA, Onega T, Geller BM, Kerlikowske K, Rosenberg RD, Yankaskas BC, Elmore JG, Taplin SH, Smith RA, Sickles EA. "Mammographic interpretive volume and diagnostic mammogram interpretation performance in community practice." *Radiology*. 2012;262(1):69-79. PMID: PMC3244665
 115. Carney PA, Bogart TA, Geller BM, Haneuse S, Kerlikowske K, Buist DSM, Smith R, Rosenberg RD, Yankaskas BC, Onega T, **Miglioretti DL**. "Association between time spent interpreting, level of confidence, and accuracy of screening mammography." *AJR Am J Roentgenol*. 2012;198(4):970-8. PMID: 22451568
 116. Rutter CM, Johnson E, **Miglioretti DL**, Mandelson MT, Inadomi J, Buist DS, "Adverse events after screening and follow-up colonoscopy." *Cancer Causes and Control* 2012 Feb;23(2):289-96. PMID: 22105578

117. Jackson SL, Cook AJ, **Miglioretti DL**, Carney PA, Geller BM, Onega T, Rosenberg RD, Brenner RJ, Elmore JG. Are Radiologists' Goals for Mammography Accuracy Consistent with Published Recommendations? *Acad Radiol*. 2012 Mar;19(3):289-95. PMID: PMC3274618
118. Goldman LE, Walker R, **Miglioretti DL**, Smith-Bindman R, Kerlikowske K. "Facility characteristics do not explain higher false-positive rates in diagnostic mammography at facilities serving vulnerable women." *Med Care*. 2012 Mar;50(3):210-6. PMID: 22186768
119. Nelson HD, Zakher B, Cantor A, Fu R, Griffin J, O'Meara ES, Buist DSM, Kerlikowske K, van Ravesteyn NT, Trentham-Dietz A, Mandelblatt J, **Miglioretti D**. "Risk factors for breast cancer for women aged 40-49 years: A systematic review and meta-analysis." *Ann Intern Med*. 2012 May 1;156(9):635-48. PMID: 22547473
120. van Ravesteyn NT, **Miglioretti DL**, Stout NK, Lee SJ, Schechter CB, Buist DSM, Huang H, Heijnsdijk EA, 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 years: a comparative modeling study of risk." *Ann Intern Med*. 2012 May;156(9):609-17. PMID: 22547470
121. 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. PMID: 22301831
122. Geller BM, Ichikawa L, **Miglioretti DL**, Eastman D. "Web-based mammography audit feedback." *AJR Am J Roentgenol*. 2012 Jun;198(6):W562-7. PMID: 22623571
123. 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. PMID: 22692172
124. Spayne MC, Gard CC, Skelly J, **Miglioretti DL**, Vacek PM, Geller BM. "Reproducibility of BI-RADS breast density measures among community radiologists: A prospective cohort study," *Breast J*. 2012 Jul-Aug;18(4):326-33. Epub 2012 May 21. PMID: 22607064
125. Carney PA, Abraham L, Cook A, Feig SA, Sickles EA, **Miglioretti DL**, Geller BM, Yankaskas BC, Elmore JG. "Impact of an educational intervention designed to reduce unnecessary recall during screening mammography." *Acad Radiol* 2012 Sep;19(9):1114-20. Epub 2012 Jun 23. PMID: 23297329
126. Yasmeen S, Hubbard RA, Romano PS, Zhu W, Geller BM, Onega T, Yankaskas BC, **Miglioretti DL**, Kerlikowske K. "Risk of advanced-stage breast cancer among older women with comorbidities." *Cancer Epidemiol Biomarkers Prev*. 2012 Sep;21(9):1510-9. Epub 2012 Jun 28. PMID: 22744339
127. Geller BM, Bogart A, Carney PA, Elmore J, Monsees BS, **Miglioretti DL**. "Is confidence of mammographic assessment a good predictor of accuracy?" *AJR Am J Roentgenol* 2012 Jul;199(1):W134-41. PMID: 22733922
128. Cook AJ, Elmore JG, Zhu W, Jackson SL, Carney PA, Flowers C, Onega T, Geller B, Rosenberg RD, **Miglioretti DL**. "Mammographic interpretation: radiologists' ability to accurately estimate their performance and compare it with that of their peers". *AJR Am J Roentgenol*. 2012 Sep;199(3):695-702. PMID: 22915414
129. Onega T, Smith M, **Miglioretti DL**, Carney PA, Geller BA, Kerlikowske K, Buist DS, Rosenberg RD, Smith RA, Sickles EA, Haneuse S, Anderson ML, Yankaskas B. "Radiologist agreement for mammographic recall by case difficulty and finding type." *J Am Coll Radiol*. 2012 Nov;9(11):788-94. PMID: 23122345 [Editors choice for *JACR Best Article 2012 - Clinical Practice*]
130. Harvey JA, Gard CC, **Miglioretti DL**, Yankaskas BC, Kerlikowske K, Buist DS, Geller BA, Onega TL. "Reported Mammographic density: film-screen versus digital acquisition." *Radiology*. 2013 Mar;266(3):752-8. Epub 2012 Dec 18. PMID: 23249570

131. Hubbard RA, **Miglioretti DL**. "A semi-parametric censoring bias model for estimating the cumulative risk of a false-positive screening test under dependent censoring." *Biometrics* 2013 Mar;69(1):245-53. Epub 2013 Feb 5. PMID: 23383717
132. Braithwaite D, Zhu W, Hubbard R, O'Meara E, **Miglioretti DL**, Geller B, Dittus K, Moore D, Wenli K, Mandelblatt J, Kerlikowske K. "Screening outcomes in older U.S. women undergoing multiple mammograms in community practice: does interval, age or comorbidity score affect tumor characteristics or false positive rates?" *J Natl Cancer Inst.* 2013 Mar 6;105(5):334-41. Epub 2013 Feb 5. PMID: 23385442
133. 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 2012 Jun 23. PMID: 23297329 (**#3 most-downloaded Radiology article in 2013**)
134. **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. PMID: 23754213
135. Kerlikowske K, Zhu W, Hubbard RA, Geller B, Dittus K, Braithwaite D, Wernli KJ, **Miglioretti DL**, O'Meara ES; Breast Cancer Surveillance Consortium. "Outcomes of screening mammography by frequency, breast density, and postmenopausal hormone therapy." *JAMA Intern Med.* 2013 May 13;173(9):807-16. PMID: 23552817
136. Onega T, Anderson ML, **Miglioretti DL**, Buist DS, Geller B, Bogart A, Smith RA, Sickles EA, Monsees B, Bassett L, Carney PA, Kerlikowske K, Yankaskas BC. "Establishing a gold standard for test sets: variation in interpretive agreement of expert mammographers." *Acad Radiol.* 2013 Jun;20(6):731-9. PMID: 23664400
137. Houssami N, Abraham LA, Kerlikowske K, Buist DSM, Irwig L, Lee J, **Miglioretti DL**. "Risk factors for second screen-detected or interval breast cancers in women with a personal history of breast cancer participating in mammography screening." *Cancer Epidemiol Biomarkers Prev* 2013 May;22(5):946-61. Epub 2013 Mar 19. PMID: 23513042
138. Harel O, Chung H, **Miglioretti DL**. "Latent class regression: inference and estimation with two-stage multiple imputation." *Biometrical Journal* 2013 Jul;55(4):541-53 PMID: 23712802
139. Dittus K, Geller B, Weaver DL, Kerlikowske K, Zhu W, Hubbard R, Braithwaite D, O'Meara ES, **Miglioretti DL**. "Impact of mammography screening interval on breast cancer diagnosis by menopausal status and BMI." *J Gen Intern Med.* 2013 Jun 13;. [Epub ahead of print] PMID: 23760741
140. 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." *Am J Surg.* 2014 Jan;207(1):24-31. Epub 2013 Oct 7. PMID: 24112677
141. 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. PMID: 24046390
142. 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. PMID: 23770681
143. 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;199(22):3959-67. PMID: 24037812
144. 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;119(22):3952-8. PMID: 23963877

145. Carney PA, Bogart A, Sickles EA, Smith R, Buist DS, Kerlikowske K, Onega T, **Miglioretti DL**, Rosenberg R, Yankaskas BC, Geller BM. "Feasibility and acceptability of conducting a randomized clinical trial designed to improve interpretation of screening mammography." *Acad Radiol*. 2013 Nov;20(11):1389-98. PMID: 24119351
146. **Geller BM**, Bogart A, Carney PA, Sickles EA, Smith R, Monsees B, Bassett LW, Buist DM, Kerlikowske K, Onega T, Yankaskas BC, Haneuse S, Hill D, Wallis MG, **Miglioretti D**. "Educational interventions to improve screening mammography interpretation: a randomized controlled trial." *AJR Am J Roentgenol*. 2014 Jun;202(6):W586-96. PMID: 24848854 [PubMed - in process]
147. **Miglioretti DL**, Zhang Y, Johnson E, Lee C, Morin R, Vanneman N, Smith-Bindman R., "Personalized Technologist Dose Audit Feedback for Reducing Patient Radiation Exposure From CT." *Journal of the American College of Radiology*. 2014 3;11(3):300-8.
148. Keegan J, **Miglioretti DL**, Gould R, Donnelly LF, Wilson ND, Smith-Bindman R. "Radiation Dose Metrics in CT: Assessing Dose Using the National Quality Forum CT Patient Safety Measure." *Journal of the American College of Radiology*. 2014 3;11(3):309-15.
149. Wernli KJ, O'Meara ES, Kerlikowske K, **Miglioretti DL**, Muller CY, Onega T, Sprague BL, Henderson LM, Buist DSM. "Investigation of mammographic breast density as a risk factor for ovarian cancer." *J Natl Cancer Inst*. 2014 Jan 1;106(1). Epub 2013 Dec 5. PMID: 24309005
150. Burnside ES, Lin Y, Munoz Del Rio A, Pickhardt PJ, Wu Y, Strigel RM, Elezaby MA, Kerr EA, **Miglioretti, DL**. "Addressing the challenge of assessing physician-level screening performance: mammography as an example." *PLoS One*. 2014;9(2):e89418. PubMed PMID: 24586763. Pubmed Central PMCID: 3931752.
151. Trentham-Dietz A, Sprague BL, Hampton JH, Miglioretti DL, Nelson HD, Titus LJ, Egan KM, Remington PL, Newcomb PA. "Modification of breast cancer risk according to age and menopausal status: A combined analysis of five population-based case-control studies." *Breast Cancer Res Treat*. 2014 May;145(1):165-75. Epub 2014 Mar 20. PMID: 24647890 [PubMed - in process]
152. Stout NK, Lee SJ, Schechter CB, Kerlikowske K, Alagoz O, Berry D, Buist DS, Cevik M, Chisholm G, de Koning HJ, Huang H, Hubbard RA, **Miglioretti DL**, Munsell MF, Trentham-Dietz A, van Ravesteyn NT, Tosteson AN, Mandelblatt JS. "Benefits, harms and costs for breast cancer screening in the US following implementation of digital mammography." *J Natl Cancer Inst*. 2014;106(6). Epub 2014 May 28. PMID: 24872543 [PubMed - in process]
153. Houssami N, Abraham LA, Onega T, Collins LC, Sprague BL, Hill DA, **Miglioretti DL**. "Accuracy of screening mammography in women with a history of lobular carcinoma in situ or atypical hyperplasia of the breast." *Breast Cancer Res Treat*. 2014 May 7. [Epub ahead of print] PMID: 24800915
154. Buist DS, Anderson ML, Smith RA, Carney PA, Miglioretti DL, Monsees BS, Sickles EA, Taplin SH, Geller BM, Yankaskas BC, Onega TL. "Effect of Radiologists' Diagnostic Work-up Volume on Interpretive Performance." *Radiology*. 2014 Jun 24;132806. [Epub ahead of print] PMID: 24960110 [PubMed - as supplied by publisher]
155. **Miglioretti DL**, Ichikawa L, Smith RA, Bassett LW, Feig SA, Monsees B, Parikh JR, Rosenberg RD, Sickles EA, Carney PA. "Criteria for Identifying Radiologists with Acceptable Screening Mammography Interpretive Performance based on Multiple Performance Measures." *AJR Am J Roentgenol (In Press)*.
156. Lee CI, Ichikawa L, Rochelle MC, Kerlikowske K, **Miglioretti DL**, Sprague BL, DeMartini WB, Wernli KJ, Joe BN, Yankaskas BC, Lehman CD. Breast MRI BI-RADS Assessments and Abnormal Interpretation Rates by Clinical Indication in US Community Practices. *Acad Radiol*. 2014 Aug 7. [Epub ahead of print] PMID: 25126973
157. Smith-Bindman R, Aubin C, Bailitz J, Bengamin RN, Camargo, Jr. CA, Corbo J, Dean AJ, Goldstein R, Griffey RT, Jay GD, Kang TL, Kriesel DR, Ma OJ, Mallin M, Manson W, Melnikow J, **Miglioretti DL**, Miller SK, Mills LD, Miner JR, Moghadassi M, Noble VE, Press GM, Stoller ML, Valencia VE, Wang J, Wang RC, Cummings SR. "Ultrasound versus Computed Tomography for Suspected Nephrolithiasis," *NEJM (In Press)*.

158. Gard CC, Bowles EJA, **Miglioretti DL**, Taplin SH, Rutter CM. “Misclassification of Breast Imaging Reporting and Data System (BI-RADS) mammographic density and implications for breast density reporting legislation.” *The Breast Journal (In Press)*
159. Sprague BL, Gangnon RE, Burt V, Trentham-Dietz A, Hampton JM, Kerlikowske K, **Miglioretti DL**. Prevalence of mammographically dense breasts in the United States. *J Natl Cancer Inst, (In Press)*.
160. Sprague BL, Stout NK, Schechter C, van Ravesteyn NT, Cevik M, Alagoz O, Lee CI, van den Broek JJ, **Miglioretti DL**, Mandelbaltt JS, de Koning JH, Kerlikowske K, Lehman CD, Tosteson ANA. Potential impact of legislation mandating breast density notification: benefits, harms, and cost effectiveness of supplemental ultrasound screening. *Annals of Internal Medicine (In Press)*.

MANUSCRIPTS UNDER REVIEW/REVISION

1. Lee C, et al. Cost-Effectiveness of Adjunct Digital Breast Tomosynthesis for Screening Women with Dense Breasts, *Radiology, (Provisionally Accepted)*
2. Kerlikowske K, Zhu W, Tosteson ANA, Sprague BL, Tice JA, Lehman C, **Miglioretti DL**. “Identifying women with dense breasts at high risk of missed cancers.” *(In Review)*
3. Torres-Mejía G, Smith, RA, de la Luz Carranza-Flores M; Bogart A, Martínez-Matsushita L, **Miglioretti DL**, Kerlikowske K, Ortega-Olvera C, Montemayor-Varela E, Angeles-Llerenas A, Martínez-Montañez OG, Uscanga-Sánchez SR, Lazcano-Ponce E, Hernández-Ávila M. “Radiographers as screening mammography film readers using the BI-RADS system,” *(In Review)*.

OTHER PUBLICATIONS (PROCEEDINGS, BOOK CHAPTERS, EDITORIALS, COMMENTARIES, LETTERS)

1. Crone NE, Hart J, Hao L, **Miglioretti DL**, Lesser RP, Gordon B. “Functional mapping of word production in human sign language using electrocorticographic spectral analysis,” *Neurology*. 1999;52 (Suppl 2):A233.
2. Gordon B, Boatman D, Hart Jr J, **Miglioretti D**, Lesser R. Direct Cortical Electrical Interference (stimulation). In: Berndt RS, ed. *Language & Aphasia, Handbook of Neuropsychology*. Vol 3. 2nd ed: Elsevier Science; 2001:375-391.
3. Boatman D, Eberwein C, **Miglioretti D**, Alidoost M, & Reich S. “Evaluation of bedside tests of hearing,” *Neurology*. 2001;56(Suppl 3):30.
4. Elmore JG, **Miglioretti DL**, Carney PA. “Does practice make perfect when interpreting mammography? Part II,” Editorial, *J Natl Cancer Inst*. 2003;95:250-2.
5. **Miglioretti DL**, Kerlikowske K, “Effects of breast augmentation on accuracy of mammography—Reply letter,” *JAMA*. 2004;291:2073-4.
6. Kerlikowske K, **Miglioretti DL**, “Effects of estrogen-only treatment in postmenopausal women—Letter to the editor,” *JAMA*. 2004;292:685-6.
7. Yankaskas BC, Schell MJ, **Miglioretti DL**, “Recall and detection rates in screening mammography—Letter to the editor,” *Cancer*. 2004;101(11):2710-1.
8. Moore J, Von Korff M, Balderson B, Saunders K, **Miglioretti D**, Lin E, Berry S, Turner J. Cognitive/behavioral approaches: Fear reduction and activity restoration in back pain patients. *The Journal of Pain*. 2004;5(3):S7.
9. Crane PK, Saunders K, van Belle G, Simon G, **Miglioretti D**, Kessler R, Von Korff M. P-341/1857 /Dimensionality and Measurement Precision of the World Health Organization's Disability Assessment Schedule (WHODAS-2) as Used in the US National Comorbidity Survey Replication (NCS-R). *Quality of Life Research*. 2005:2149.
10. Von Korff M, **Miglioretti DL**. “A prospective approach to defining chronic pain,” *Proceedings of the 11th*

World Congress on Pain of the International Association for the Study of Pain H Flor (Ed). IASP Press: 2006;761-9.

11. Jiang Y, **Miglioretti DL**, Metz CE, Schmidt RA. Letter to the editor author response to Kopans, re designing breast screening imaging trials. *Radiology*. 2008 Feb;246:645-6.
12. Jiang Y, **Miglioretti DL**, Metz CE, Schmidt RA. Letter to the editor author response to Ciatto S, re designing breast screening imaging trials. *Radiology*. 2007;243:360-7. [online, e-letter <http://radiology.rsna.org/cgi/eletters/243/2/360>] [Epub 2007 June 25]
13. Kerlikowske K, Buist DSM, Walker R, **Miglioretti DL**. Letter to the editor response to Vaidya and Caan, re “Declines in invasive breast cancer and use of postmenopausal hormone therapy in a screening mammography population.” *J Natl Cancer Inst*. 2007 Sep 5 99(17):1335-9. Erratum in *J Natl Cancer Inst*. 2007 Oct 3;99(19):1493.
14. Carrell D, **Miglioretti D**, Smith-Bindman R. Coding free text radiology reports using the cancer Text Information Extraction System (caTIES). *AMIA Annu Symp Proc*. 2007 Oct 11:889.
15. Carrell DS, Miglioretti DL, Smith-Bindman R. Using natural language processing to explore schemes for assessing disease risk from free-text radiology reports. *Clin Med & Res*. 2008;6(3-4):148-149.
16. Carney PA, Sickles EA, Monsees BS, Bassett LW, **Miglioretti DL**, Letter to the editor author response to: “Limitations of minimally acceptable interpretive performance criteria for screening mammography,” *Radiology*. 2011 Mar;258(3):960-1.
17. Houssami N, **Miglioretti DL**. Peer-reviewed invited editorial: “Early detection of breast cancer the second time around: mammography in women with a personal history of breast cancer,” *Med J Aust*. 2011;194(9):439-40.
18. **Miglioretti DL**, Houssami N. Invited summary article: “Screening mammography in breast cancer survivors,” *Journal of Oncology Navigation & Survivorship*, 2011 May;2(3):24-6
19. **Miglioretti DL**, Smith-Bindman R, Peer-reviewed invited editorial: “Overuse of computed tomography and associated risks,” *Am Fam Physician*. 2011 Jun 1; 83(11):1252-4.
20. Smith-Bindman R, **Miglioretti DL**, Letter to the editor “CTDIvol, DLP, and effective dose are excellent measures for use in CT quality improvement,” *Radiology* 2011;261 999
21. Fenton JJ, **Miglioretti DL**. Peer-reviewed editorial: “Why we need more breast cancer screening trials,” *Evid Based Med*. 2012 Dec;17(6):169-70. Epub 2012 Jul 31. PMID: 22851621
22. Lee C, Lamart S, **Miglioretti D**, Johnson E, Kruger R, Flynn M, Weinmann S, Smith-Bindman R. Meeting abstract: “TU-G-217BCD-04: Automated Organ Dose Calculation for Thousands of Computed Tomography Scans.” *Med Phys*. 2012 Jun;39(6):3924-5. PMID: 22757104
23. van Ravesteyn NT, **Miglioretti DL**, Mandelblatt JS. Reply to Letter to the Editor: “Potential impact of risk-based mammography screening.” *Ann Intern Med*. 2012 Oct 16;157(8):597-8.
24. Smith RA, Kerlikowske K, **Miglioretti DL**, Kalager M. Clinical decisions. Mammography screening for breast cancer. *N Engl J Med*. 2012 Nov 22;367(21):e31. PMID: 23171121

PRESENTATIONS

1. “Latent variable regression for multiple longitudinal categorical outcomes,” Presentation at the *International Biometric Society ENAR Spring Meeting*, Memphis, Tennessee (March 1997).
2. “Image analysis for direct cortical electrical interference data,” Invited presentation at the *Workshop on Statistics of Brain Mapping*, Montreal, Quebec (June 1998).
3. “Template mixture models for image analysis,” Invited presentation at the *Workshop on Models and Methods for Spatial and Spatio-Temporal Data*, Munich, Germany (October 1998).
4. “Template mixture models for high-level spatial analysis,” Presentation at the *International Biometric Society ENAR Spring Meeting*, Atlanta, Georgia (March 1999).
5. “Template Mixture Models for Functional Brain Mapping,” Invited presentation at the *Johns Hopkins*

- University 81st Anniversary Biostatistics Symposium*, Baltimore, Maryland (August 1999).
6. "High-Level Spatial Analysis of Data from Multiple Sources," Presentation at the *Joint Statistical Meetings*, Baltimore, MD (August 1999).
 7. "Template Mixture Models for Functional Brain Mapping," Invited seminar presented at the *Center for Health Studies*, Seattle, Washington (November 1999).
 8. "Latent class regression for cross-sectional and longitudinal multivariate outcomes," Seminar presented at the *Center for Health Studies*, Seattle, Washington (July 2000).
 9. "Combining images across multiple subjects: a study of direct cortical electrical interference," Seminar presented at University of Washington, Department of Biostatistics, Seattle, WA (October 2000).
 10. "Latent transition regression for mixed outcomes with differential measurement," Invited presentation at the *International Biometric Society ENAR Spring Meeting*, Charlotte, NC (March 2001).
 11. "Estimating mammographic accuracy in a repeatedly screened population," Invited presentation at the *HMO Research Network Conference*, Seattle, WA (April 2001).
 12. "Latent Transition Regression for Longitudinal Disability Data: Emerging Solutions to Difficult Analytic Problems," Invited talk presented at the *World Psychiatric Association Section on Epidemiology and Public Health Scientific Meeting*, Baltimore, MD (June 2001).
 13. "Evaluating latent transition regression models for mixed outcomes," Invited presentation at the *Society for Prevention Research 10th Annual Meeting*, Seattle WA (May 2002).
 14. "Latent transition regression for mixed outcomes," Presentation at the *Hawaii International Conference on Statistics*, Waikiki, HI (June 2002).
 15. "Latent transition regression for mixed outcomes," Presentation at the *International Biometrics Conference*, Freiburg, Germany (July 2002).
 16. "A marginalized multilevel modeling approach for clustered longitudinal binary data with time dependent covariates," Invited presentation at the *International Biometric Society ENAR Spring Meeting*, Tampa, FL (April 2003).
 17. "Template mixture models for high-level spatial analysis," Invited seminar presented at Brown University, Providence, RI (April 2003).
 18. "Estimating the accuracy of mammography from a repeatedly screened population," Invited presentation at the *Joint Statistical Meetings*, San Francisco, CA (August 2003).
 19. "The Breast Cancer Surveillance Consortium and marginal modeling of multilevel binary outcomes" Invited seminar presented at Brown University, Providence, RI (October 2004).
 20. "A marginalized diffusion model for combining state and national level survey data," Presentation at the *International Biometric Society ENAR Spring Meeting*, Austin, TX (March 2005).
 21. "A marginalized diffusion model for combining state and national level survey data to estimate screening trends," Invited presentation at the *Statistical Society of Canada Annual Meeting*, Saskatoon, SK (June 2005).
 22. "An analytic framework for screening," Invited presentation at the *Vision in Preschoolers Study Expert Panel Meeting*, Bethesda, MD (July 2005).
 23. "Latent transition regression for mixed outcomes," Invited seminar presented at the University of Pennsylvania Center for Clinical Epidemiology and Biostatistics, Philadelphia, PA (February, 2006).
 24. "A marginalized diffusion model for estimating age at first screening test from current-status data," Invited seminar presented at the Department of Statistics, Middle East Technical University, Ankara, Turkey (August 2007).
 25. "Modeling the dissemination of a screening test (and other interests)," Invited seminar presented at the Division of Biostatistics, University of California, San Francisco (December 2007).
 26. "Discrepant marginal and conditional analyses in settings where random effect variances depend on covariates," Invited seminar presented at the Division of Biostatistics, University of California, San Francisco (April 2008).
 27. "Statistical methods for evaluating mammography interpretive performance," Presentation at the

- International Cancer Screening Network Meetings, Helsingør, Denmark (June, 2008).
28. “Discrepant marginal and conditional analyses in settings where random effect variances depend on covariates,” Invited seminar presented at the Department of Health Studies, University of Chicago, Chicago, IL (October 2008).
 29. “Discrepant marginal and conditional analyses in settings where random effect variances depend on covariates,” Invited seminar presented at the Fred Hutchinson Cancer Research Center, Seattle, WA (November 2008).
 30. “Discrepant marginal and conditional analyses in settings where random effect variances depend on covariates,” Invited seminar presented at the Medical University of South Carolina, Charleston, SC (March 2009).
 31. “Statistical issues in evaluating evidence to screen 40–49 year old women with mammography,” Invited Panel Session presented at the ITHS Grand Rounds, University of Washington, Seattle, WA (December 2009)
 32. “Methodologic advances to understand variability in mammography practice,” Invited presentation at the Breast Cancer Surveillance Consortium Spring Meeting, Bethesda, MD (May, 2010)
 33. “Interpretive performance & outcomes of screening mammography in women with a personal history of breast cancer: Evidence from the BCSC,” Invited presentation at the Breast Cancer Surveillance Consortium Fall Meeting, Seattle, WA (October, 2010)
 34. “Increased use of advanced medical imaging, radiation, exposure, and cancer risk,” Invited seminar (CME) presented at the AHRA Washington Group Second Quarter Meeting, Seattle, WA (May, 2011)
 35. “Discrepant marginal and conditional analyses in settings where random effect variances depend on covariates,” Invited presentation at the *International Biometric Society WNAR Spring Meeting*, San Luis Obispo, CA (June, 2011)
 36. “Increased use of advanced medical imaging, radiation exposure, and cancer risk,” Seminar presented at the Group Health Research Institute, Seattle, WA (September, 2011)
 37. “Discrepant marginal and conditional analyses in settings where random effect variances depend on covariates,” Invited seminar presented at the Department of Public Health Sciences, University of California, Davis, CA (April 2012).
 38. “Breast Cancer Surveillance Consortium: An example of the value of registries for CER of imaging,” Invited panel talk presented at the Symposium on Comparative Effectiveness of Advanced Imaging in Cancer, Boston, MA (April 2012).
 39. “Pediatric Computed Tomography and Associated Radiation Exposure and Cancer Risk in the US,” Radiation Safety In Computed Tomography: A Virtual Symposium (May 2013)
 40. “Computed Tomography in Pediatrics and Associated Radiation Exposure and Cancer Risk in the US,” UC Davis Radiology Research Symposia, Davis, CA (June 2013)
 41. “The Breast Cancer Surveillance Consortium: A rich resource for breast cancer research,” UC Davis Graduate Group in Epidemiology, Davis, CA (February 2014)

POSTERS

1. Hall CB, **Miglioretti DL**, Crone NC, Sieracki JM, Sherman DL, Gelfand AE. “Detection of change points in the frequency spectra of ECoG recordings,” Poster presented at *Modelling Longitudinal and Spatially Correlated Data: Methods, Applications, and Future Directions*, Nantucket, Massachusetts (October 1996).
2. **Miglioretti D**, Gordon B, Boatman D. “Cortical language mapping using template mixture models,” Poster presented at *Society for Neuroscience 29th Annual Meeting*, Miami, Florida (October 1999).
3. **Miglioretti DL**, McCulloch C, Zeger SL. “Combining images across multiple subjects: A study of direct cortical electrical interference,” *Second Seattle Symposium in Biostatistics: Analysis of Correlated Data*,

- Seattle, Washington (November 2000).
4. **Miglioretti DL**, McCulloch C, Zeger SL. "Combining images across multiple subjects: A study of direct cortical electrical interference," *International Biometric Society Eastern North American Region Spring Meeting*, Charlotte, North Carolina (March 2001).
 5. **Miglioretti DL**, Johnson E, Williams A, Greenlee RT, Weinmann S, Solberg LI, Spencer Feigelson H, Roblin D, Flynn MJ, Vanneman N, Smith-Bindman R. "Pediatric computed tomography and associated radiation exposure and cancer risk." *ASA Conference on Radiation and Health*, Kennebunkport, ME. (June 2012).

TEACHING EXPERIENCE

Teaching

Department of Health Services, University of Washington

- Community Oriented Public Health Practice Project Based Learning Block, Biostatistics Component (Fall 2002/Winter 2003, Winter 2004, Winter 2005)

Department of Statistics, Middle East Technical University, Ankara, Turkey

- Graduate Summer School on Recent Advances in Statistics, Latent Class and Latent Transition Regression Module (August 2007)

Radiological Society of North America Clinical Trials Methodology Workshop (2006-2010, 2012-2014)

Teaching Assistantships

Department of Biostatistics, Johns Hopkins School of Public Health

- Introduction to Biostatistics I, II, III, and IV
- Advanced Generalized Linear Models III and IV
- Longitudinal Data Analysis
- Statistics for Psychosocial Research

Department of Zoology, University of Maryland at College Park

- Animal Diversity Laboratory

STUDENT AND POST-DOC ADVISING & MENTORING

Mentoring on Career Development Awards

Dejana Braithwaite, PhD (ACS Mentored Research Scholar, 2011-2015)

Post-doctoral Research Fellows

Evrin Oral, PhD (visiting scholar from Turkey, 2004-2006), Yue Zhang, PhD (2012-2013)

PhD Committees

Mike John (Epidemiology 2002), Jon Schildcrout (Biostatistics 2003-2004), Charlotte Gard (Biostatistics 2007-2011)

Masters Students

Zhuo (Tracy) Zhang (Biostatistics 2003-2004); Eunyoung Lim (MPH-COPHP 2004-2005), Adam Omidpanah (Biostatistics 2010-2011)

Graduate Student Research Assistants

Zhuo (Tracy) Zhang (2003-2004); Rod Walker (2005-2007); Megan Smith (2010-2011); Charlotte Gard (2007-2011); Adam Omidpanah (2010-2011)

FUNDING HISTORY**Current Grants/Contracts**

“Risk-Based Breast Cancer Screening in Community Settings”

NIH/NCI P01 CA154292

Principal Investigator: Diana Miglioretti & Karla Kerlikowske, \$20,109,166 total costs, 8/26/2011-8/31/2016

Role: Contact Principal Investigator

“Breast Cancer Surveillance Consortium Data Resource Statistical Coordinating Center”

NCI Contract HHSN261201100031C

Principal Investigator: Diana Miglioretti from 8/1/2011-12/31/2012, Rebecca Hubbard from 1/1/2013-7/31/2016, \$7,455,050 total costs, 8/1/2011-7/31/2016

Role: Principal Investigator from 2011-2012, consultant from 2013-2016

“CRN4: Cancer Research Resources & Collaboration in Integrated Health Care Systems”

NIH/NCI U24 CA171524

Principal Investigator: Larry Kushi, \$15,904,238 total costs, 09/25/12 – 08/31/17

Role: Co-investigator; Executive Committee Member; Bioinformatics Core Member

“Comparative Modeling: Informing Breast Cancer Control Practice & Policy”

NIH/NCI 5U01CA152958

Principal Investigators: Jeanne Mandelblatt et al., \$1,777,640 annual direct costs, 09/01/10 - 08/31/15

Role: Co-investigator

“Randomized Trial of In-Home Cervical Cancer Screening in Underscreened Women”

NIH/NCI 1R01CA168598

Principal Investigator: Rachel Winer, \$457,330 annual direct costs, 04/24/13 - 03/31/18

Role: Co-investigator

“UCSF CT Radiation Dose Registry to Ensure a Patient Centered Approach for Imaging”

PCORI CA-0054498

Principal Investigator: Rebecca Smith-Bindman, \$1,881,241 total costs, 11/01/13 – 10/31/16

Role: Co-investigator

Completed Grants (since 2009)

“Benchmarks for Lowering Radiation from Computed Tomography”

Group Health Research Institute Development Fund

Principal Investigator: Diana Miglioretti, \$281,857 total direct costs, 1/1/2012-12/31/2013

Role: Principal Investigator

“Comparative Effectiveness of Breast Cancer Imaging Strategies in Community Practice”

NIH/NCI RC2 CA148577-01

Principal Investigators: Miglioretti (contact), Buist, Geller, Kerlikowske, Mandelblatt, Yankaskas;

\$4 million total costs, 9/30/2009-9/29/2011 (no-cost extension until 9/29/2012)

Role: Contact Principal Investigator

“Statistical Coordinating Center for the Breast Cancer Surveillance Consortium,”

NIH/NCI U01CA86076

Principal Investigator: Diana Miglioretti, \$2,935,409 total direct costs, 8/01/2005-7/31/2011

Role: Principal Investigator

“Statistical Coordinating Center for the BCSC-Administrative Supplement (APRC),”

NIH/NCI U01 CA086076-10S1

Principal Investigator: Diana Miglioretti, \$491,087 total costs, 9/29/2009-9/29/2011

Role: Principal Investigator

“Statistical Coordinating Center for the BCSC-Administrative Supplement (BCSC-Medicare),”

NIH/NCI U01 CA086076

Principal Investigator: Diana Miglioretti, \$59,543 total direct costs, 8/1/2008-7/31/2010

Role: Principal Investigator

“Public Reporting of Mammography Facility Quality: How will the Facilities Serving Vulnerable Populations Fare?”

California Breast Cancer Research Program R208002001

Principal Investigator: Elizabeth Goldman, \$28,199 total direct costs, 7/1/08 - 12/31/09

Role: Site Principal Investigator

“Estimating the Cumulative Risk of a False Positive Screening Mammogram”

NIH/NCI R03 CA150007

Principal Investigator: Rebecca Hubbard, \$160,000 total costs, 06/01/10 – 05/31/13

Role: Co-Investigator

“Understanding Variability in Community Mammography,”

NIH/NCI R01 HS10591

Principal Investigator: Joann Elmore, \$627,862 total annual direct costs, 7/1/2004-5/31/2010

Role: Site Principal Investigator

“Radiation Exposure from Medical Imaging: Are Doses in the Carcinogenic Range?”

NIH/NCI R21 CA131698

Principal Investigator: Rebecca Smith-Bindman, \$95,908 total direct costs, 7/1/2008-6/30/2011

Role: Site Principal Investigator

“Dissemination Administrative Supplement to the Vermont Breast Cancer Surveillance System,”

NIH/NCI U01 CA070013-14S2

Principal Investigator: Berta Geller, \$44,375 total direct costs, 8/01/2008-7/31/2009

Role: Site Principal Investigator

“Medical Radiation Induced Cancers: CRN Pilot Y11”

NIH/NCI U19 CA079689

Principal Investigator: Diana Miglioretti, \$106,149 total direct costs, 5/1/2009-4/31/2010

Role: Principal Investigator

“Risk of Cancer with Incidental Findings Identified on Ultrasound Imaging,”

NIH/NCI R21 CA132987

Principal Investigator: Rebecca Smith-Bindman, \$102,551 total GHRI costs, 4/1/2009-3/31/2012

Role: Site Principal Investigator

“Assessing the Impact of Colorectal Cancer Screening,”

NIH/NCI U01 CA97427

Principal Investigator: Carolyn Rutter, \$570,784 total direct costs, 9/11/2006-7/31/2010

Role: Co-Investigator

“Assessing and Improving Radiologist's Mammography Interpretive Skills, SCC”

American Cancer Society SIRGS-07-271-01

Principal Investigator: Diana Miglioretti, \$787,200 total direct costs, 8/1/2007-3/31/2013

Role: Principal Investigator

“Risk of Cancer in Incidental Findings Identified on Ultrasound Imaging,”

NIH/NCI K24 CA125036

Principal Investigator: Rebecca Smith-Bindman, \$99,687 total GHRI direct costs, 7/1/2008-6/30/2013

Role: Site Principal Investigator