

DIANA L. MIGLIORETTI, PhD

Group Health Research Institute · 1730 Minor Avenue · Suite 1600 · Seattle, Washington 98101
Phone: (206) 287-4266 · Fax: (206) 287-2017 · E-mail: miglioretti.d@ghc.org

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

- 2010 - Present Affiliate Professor, Department of Biostatistics, University of Washington
- 2009 - Present 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

- 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

Faculty member, RSNA Clinical Trials Methodology Workshop, 2006-2010 & 2012
 Content expert, California Health Benefits Review Program, 2009 & 2011
 Ad-hoc reviewer, National Institutes of Health, Health Services Organization and Delivery (HSOD) study section, October 2010
 Chair, WNAR Regional Advisory Board, 2010-2011
 Member, 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-Present
 David P. Byar Award Committee, Biometrics Section, American Statistical Association, 2007
 RSNA Test Performance Characteristics Core Curriculum Group, 2006-2007
 WNAR nominating committee, 2006
 Member, 2006 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 – Present
 Member, Society for Neuroscience, 2005 – 2006
 Referee for *AJR American Journal of Roentgenology*, *Annals of Internal Medicine*, *Canadian Journal of Statistics*, *Biometrics*, *Biostatistics*, *The Breast*, *Communications in Statistics*, *Health Services and Outcomes Research Methodology*, *Medical Care*, *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*. 1998;16(1):36-50.
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.

6. Hart J, Crone N, Lesser R, 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. PMID: PMC27830
7. Boatman D, Hart J, 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.
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.
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.
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: II. Factors predicting test uptake," *Cancer Epidemiol Biomarkers Prev*. 1999 Apr;8(4 Pt 2):345-51.
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.
12. Lesser RP, Kim SH, Beyderman L, **Miglioretti DL**, Webber WRS, 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.
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.
14. **Miglioretti DL**, McCulloch C, Zeger SL. "Template mixture models for Direct Cortical Electrical Interference Data," *Biostatistics*. 2000 Dec;1(4):403-21.
15. Codori AM, Petersen GM, **Miglioretti DL**, Boyd, PA. "Health beliefs and endoscopic screening for colorectal cancer: potential for cancer prevention," *Prev Med*. 2001 Aug;33(2 Pt 1):128-36.
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 WRS, Jackson DC, Sepkuty JP, Crone NE. "Optimizing parameters for terminating cortical afterdischarges with pulse stimulation," *Epilepsia*. 2002 Aug;43(8):836-46.
18. Elmore JG, **Miglioretti DL**, Reisch L, Barton M, Kreuter W, Christiansen CL, Fletcher S. "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.
20. Codori A-M, 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.
21. Carney PA, **Miglioretti DL**, Yankaskas BC, Kerlikowske K, Rosenberg R, Rutter C, 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.
22. John MT, **Miglioretti DL**, LeResche L, VonKorff M, Critchlow CW. "Widespread pain as a risk factor for dysfunctional temporomandibular disorder pain," *Pain*. 2003 Apr;102(3):257-63.
23. **Miglioretti DL**. "Latent transition regression for mixed outcomes," *Biometrics*. 2003 Sep;59(3):710-20.
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.

25. Kerlikowske K, **Miglioretti DL**, Ballard-Barbash R, Weaver DL, Buist DSM, Barlow W, Carney PA, Cutter G, Geller, BM, Rosenberg R, Yankaskas B, Taplin SH. "Prognostic characteristics of breast cancer among hormone replacement users in a screening population," *J Clin Oncol*. 2003 Dec 1;21(23):4314-21.
26. **Miglioretti DL**, Boatman D. "Modeling variability in cortical representations of human complex sound perception," *Exp Brain Res*. 2003;153(3):382-7.
27. Mandelson MT, **Miglioretti DL**, Newcomb PA, Harrison, R. "Hormone replacement therapy in relation to survival in women diagnosed with colon cancer," *Cancer Causes Control*. 2003 Dec;14(10):979-84.
28. Smith-Bindman R, Chu PW, **Miglioretti DL**, Lovy KK, Sickles E, Blanks R, Ballard-Barbash R, Bobo J, Lee N, Wallis M, 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.
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.
30. Buist DSM, Newton KM, **Miglioretti DL**, Beverly K, Connelly MT, Andrade S, Hartsfield CL, Wei F, Pettus PT, Chan KA, Kessler L. "Hormone therapy prescribing patterns in the United States," *Obstet Gynecol*. 2004 Nov;104(5):1042-50.
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.
32. White E, **Miglioretti DL**, Yankaskas BC, Geller BM, Rosenberg RD, Kerlikowske K, Saba L, Vacek PM, Carney PA, Buist DSM, 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.
33. **Miglioretti DL**, Rutter CM, Geller BM, Cutter G, Barlow WE, Rosenberg R, Weaver DL, Taplin SH, Ballard-Barbash R, Carney PA, Yankaskas B, Kerlikowske K. "The effect of breast augmentation on the accuracy of mammography screening and cancer characteristics," *JAMA*. 2004 Jan 28;291(4):442-50.
34. **Miglioretti DL**, Heagerty PJ. "Marginal modeling of multilevel binary data with time varying covariates," *Biostatistics*. 2004 Jul; 5(3):381-98.
35. Newton KM, Buist DSM, **Miglioretti DL**, Beverly K, Connelly MT, Andrade S, Hartsfield CL, Wei F, Pettus PT, Chan KA, 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 JWT, Rosenberg RD, Smith-Bindman R, Yankaskas BC. "Performance benchmarks for diagnostic mammography," *Radiology*. 2005 Jun;35(3):775-90.
37. Smith-Bindman R, Ballard-Barbash R, **Miglioretti DL**, Patnick J, Kerlikowske K. "Comparing the performance of mammography screening in the United States and the United Kingdom," *J Med Screen*. 2005;12(1):50-4.
38. Codori AM, Waldeck T, Petersen GM, **Miglioretti DL**, Trimbath JD. "Genetic counseling outcomes: perceived risk and distress after counseling for hereditary colorectal cancer," *J Genet Couns*. 2005 Apr;14(2):119-32.
39. Von Korff M, Crane P, Lane M, **Miglioretti D**, 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.
40. Von Korff M, Balderson BHK, Saunders K, **Miglioretti DL**, Lin EHB, 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.
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.
42. Cronin KA, Binbing Y, 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.
 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.
 44. Von Korff M, **Miglioretti DL**. "A prognostic approach to defining chronic pain," *Pain*. 2005 Oct;117(3):304-13.
 45. Wei F, **Miglioretti DL**, Connelly MT, Andrade SE, Newton KM, Hartsfield CL, Chan KA, Buist DSM. "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.
 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.
 47. John MT, **Miglioretti DL**, LeResche L, Koepsell TD, Hujuel P, Micheelis W. "German short forms of the Oral Health Impact Profile," *Community Dent Oral Epidemiol*. 2006 Aug;34(4):277-88.
 48. Boatman DF, Lesser RP, Crone N, Krauss G, Lenz F, **Miglioretti DL**. "Speech recognition impairments in patients with right temporal lobe epilepsy," *Epilepsia*. 2006 Aug;47(8):1397-401.
 49. Haas JS, Geller B, **Miglioretti DL**, Buist DSM, 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, Ballard-Barbash R, Strzelczyk J, Dignan M, Barlow W, 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.
 52. Buist DSM, 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.
 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.
 55. Carney PA, Abraham LA, **Miglioretti DL**, Yabroff KR, Sickles EA, Buist DSM, Kasales CJ, Geller BM, Yankaskas BC, Rosenberg RD, Dignan MB, Weaver DL, Kerlikowske K. "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.
 56. **Miglioretti DL**, Heagerty PJ. "Marginal modeling of non-nested multilevel data using standard software," *Am J Epidemiol*. 2007 Feb 15;165(4):453-63.
 57. Carney PA, Yi J, Abraham LA, Gerrity, MS, Berns E, Sickles EA, **Miglioretti DL**, Aiello E, Elmore JG. "Reactions to uncertainty and the accuracy of diagnostic mammography," *J Gen Intern Med*. 2007 Feb;22(2):234-41. PMID: PMC1824735
 58. Haas JS, **Miglioretti DL**, Geller B, Buist DSM, 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. PMID: 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.

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.
61. Boudreau DM, Yu O, **Miglioretti DL**, Buist DSM, 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. PMID: PMC2065858
62. Kerlikowske K, Ichikawa L, **Miglioretti DL**, Buist DSM, Vacek PM, Smith-Bindman R, Yankaskas BC, Carney P, Ballard-Barbash R, "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.
63. Kerlikowske K, **Miglioretti DL**, Buist DSM, Walker R, Carney PA. "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.
64. Hwang ES, **Miglioretti DL**, Ballard-Barbash R, Weaver DL, Kerlikowske K. "Association between breast density and subsequent breast cancer events following treatment for ductal carcinoma *in situ*," *Cancer Epidemiol Biomarkers Prev*. 2007 Dec;16(12):2587-93.
65. **Miglioretti DL**, Smith-Bindman R, Abraham L, Brenner JD, Aiello E, Buist DSM, Carney PA, Elmore JG. "Radiologist characteristics associated with interpretive performance of diagnostic mammography," *J Natl Cancer Inst*. 2007 Dec 19;99(24):1854-63. PMID: PMC3144707
66. Goldman LE, Haneuse SJA, **Miglioretti DL**, Kerlikowske K, Buist DSM, Yankaskas B, Smith-Bindman R. "An assessment of the quality of mammography care at facilities treating medically vulnerable populations," *Med Care*. 2008 Jul;46(7):701-8. PMID: 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 R, Taplin S, Geller B, Kerlikowske K. "Physician workload in mammography," *AJR Am J Roentgenol*. 2008 Feb;190(2):526-32.
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 DSM, **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 WRS, 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.
73. Smith-Bindman RS, **Miglioretti DL**, Larson E. "Rising use of diagnostic medical imaging in a large integrated health system," *Health Aff*. 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 DSM, **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 R, **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 SJA, Anderson M, "Statistical approaches for modeling radiologists' interpretive performance," *Acad Radiol*. 2009 Feb;16(2):227-38. PMID: PMC2653267

78. Dick JF, Gallagher TH, Brenner RJ, Yi JP, Reisch LM, Abraham L, **Miglioretti DL**, Carney PA, 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 EJA, 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 J, Carney PA, **Miglioretti DL**, Geller B, Kerlikowske K, Onega T, 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 S, Abraham L, **Miglioretti DL**, Carney PA, Geller B, Yankaskas BC, Kerlikowske K, Onega T, Rosenberg RD, Sickles EA, Buist DSM. "Variability in interpretive performance of screening mammography and radiologist characteristics associated with accuracy," *Radiology*. 2009 Dec;253(3):641-51. PMID: PMC2786197
88. **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. PMID: PMC2786195
89. Menes T, Kerlikowske K, Jaffer S, Seger D, and **Miglioretti DL**. "Rates of atypical ductal hyperplasia: have declined with less use of post-menopausal hormone treatment," *Cancer Epidemiol Biomarkers Prev*. 2009 Nov;18(11):2822-8. PMID: PMC2920735
90. 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.
91. Cook AJ, Elmore JG, **Miglioretti DL**, Sickles EA, Bowles EJA, 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 B, Bassett L, Brenner RJ, Feig SA, Smith RA, Rosenberg R, 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

94. Lee HW, Webber WRS, Crone N, **Miglioretti DL**, Lesser R. "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.
97. Elmore JG, Aiello Bowles EJ, Geller B, Vukshich Oster N, Carney PA, **Miglioretti DL**, Buist DSM, 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 B, 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.
99. Phipps AI, Ichikawa L, Bowles EJA, Carney PA, Geller BM, Kerlikowske K, **Miglioretti DL**, Buist DSM, for the Breast Cancer Surveillance Consortium. "Defining menopausal status in epidemiologic studies: An applied comparison of multiple approaches," *Maturitas.* 2010 Sep;67(1):60-6. PMID: PMC2922404
100. Onega T, Bowles EJA, **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 DSM, Cummings SR, Vachon C, Vacek P, **Miglioretti DL**, "Breast cancer risk by breast density, age, 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.
103. **Miglioretti DL**, Walker R, Weaver D, Buist DSM, Taplin S, Carney PA, Rosenberg RD, Dignan M, Zhang T, 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 A, Yankaskas BC, Elmore JG. "Feasibility and satisfaction associated 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, Aiello 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 SJPA, Sickles EA, Smith RA, Carney PA, Taplin SH, Rosenberg RD, Geller BM, Onega T, Monsees B, Bassett LW, Yankaskas BC, Elmore JG, Kerlikowske K, **Miglioretti DL**. "Influence of annual interpretive volume on United States screening mammography performance." *Radiology.* 2011 Apr;259(1):72-84. PMID: PMC3064821
107. Houssami N, Abraham L, **Miglioretti DL**, Sickles E, 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.
108. Roth MR, Elmore JG, Yi 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. Epub 2011 Jun 15.
109. 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*, (*In Press*)
110. Carney PA, Cook AJ, **Miglioretti DL**, Feig SA, Bowles EA, Geller BM, Kerlikowske K, Kettler M, Onega T, Elmore JG. Radiologists’ use of clinical history and its impact on interpretive performance. *J Clin Epidemiol (In Press)* 2011 Oct 14. [Epub ahead of print]
 111. Rosenberg RD, Haneuse SJ, Geller BM, Buist DSM, **Miglioretti DL**, Brenner RJ, Smith-Bindman R, Taplin SH . “Timeliness of Follow-up after Abnormal Screening Mammography: Variability of facilities” *Radiology*. 2011 Sep 7. [Epub ahead of print]
 112. 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.
 113. 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.
 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*. (*In press*) 2011 Nov 21. [Epub ahead of print]
 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*. (*In Press*)
 116. 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..
 117. 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*. 2011 Dec 16; [Epub ahead of print]
 118. 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*. 2011 Nov 28; [Epub ahead of print]
 119. Geller BM, Ichikawa L, **Miglioretti DL**, Eastman D. “Web-based mammography audit feedback.” *AJR Am J Roentgenol (In Press)*.
 120. Rutter CM, Johnson E, **Miglioretti DL**. Mandelson MT, Inadomi J, Buist DS, “Adverse events after screening and follow-up colonoscopy.” *Cancer Causes and Control (In Press)* 2011 Nov 22. [Epub ahead of print]
 121. 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 (In Press)*.
 122. Cook AJ, Elmore JG, Zhu W, Jackson SL, Carney AP, Flowers C, Onega T, Geller B, Rosenberg RD, **Miglioretti DL**. “Radiologists’ ability to accurately estimate and compare their own interpretive mammography performance to their peers.” *AJR Am J Roentgenol (In Press)*.
 123. 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**. “Systematic evidence review and meta-analysis: Risk factors for breast cancer for women age 40-49.” *Annals of Internal Medicine (In Press)*.
 124. 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 (In Press)*.

MANUSCRIPTS UNDER REVIEW/REVISION

1. 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 (In Revised Review)*.
2. **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.” (*In Review*).
3. 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 (In Revised Review)*
4. 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. “What level of risk tips the balance of benefits and harms to favor screening mammography starting at age 40?” *Annals of Internal Medicine (In Revised Review)*
5. Onega T, Smith M, **Miglioretti DL**, Carney PA, Geller B, Kerlikowske K, Buist DSM, Smith R, Sickles EA, Haneuse S, Yankaskas B. “Radiologist agreement for mammographic recall by care difficulty and finding type.” *AJR Am J Roentgenol (In Revised Review)*
6. Gard CC, Bowles EJA, **Miglioretti DL**, Taplin SH, Rutter CM. “Reproducibility of Breast Imaging Reporting and Data System (BI-RADS) mammographic breast density and relationship to percent density.” (*In Revision*)
7. Harel O, Chung H, **Miglioretti DL**. “Latent class regression: inference and estimation with two-stage multiple imputation.” (*In Review*)
8. Tran T, Fortune T, Cervenka M, Muthugovindan D, **Miglioretti D**, Lesser R. “Does the teddy bear sign predict psychogenic non-epileptic seizures?” *Neurology (In Review)*
9. Kerlikowske K, Zhu Weiwei, Hubbard RA, Geller B, Dittus K, Braithwaite D, Wernli KJ, **Miglioretti DL**, O’Meara ES. “Benefits and harms of screening mammography frequency by age, breast density, postmenopausal hormone therapy.” *JAMA (In Review)*
10. Onega T, Anderson ML, Buist DSM, Geller B, Bogart A, Sickles EA, **Miglioretti DL**, Carney PA, Kerlikowske K, Monsees B, Yankaskas BC. “Establishing a gold standard for a test set: variation in interpretive agreement of expert mammographers.” *AJR Am J Roentgenol (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 J, **Miglioretti D**, Lesser R. “Direct cortical electrical interference (Stimulation).” In R. S. Berndt (Ed). *Handbook of Neuropsychology, 2nd Edition, Vol. 3*, Elsevier Science: 375-91 (2001)
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-S.
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 Sep5 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. 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.
16. 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.
17. **Miglioretti DL**, Houssami N. Invited summary article: "Screening mammography in breast cancer survivors," *Journal of Oncology Navigation & Survivorship*, 2011 May;2(3):24-6
18. **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.
19. 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

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 WNAAR 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)

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,” *International Biometric Society Eastern North American Region Spring Meeting*, Charlotte, North Carolina (March 2001).
4. **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).

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 (2006-20010, 2012)

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 ADVISING

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)

FUNDING HISTORY

Current Grants/Contracts

“Risk-Based Breast Cancer Screening in Community Settings”

NCI P01 CA154292

Principal Investigator: Diana Miglioretti & Karla Kerlikowske, \$20,054,259 total costs, 8/26/2011-8/31/2016

Role: Contact Principal Investigator

“Breast Cancer Surveillance Consortium Data Resource Statistical Coordinating Center”

NCI Contract HHSN26120110003

Principal Investigator: Diana Miglioretti, \$7,455,050 total costs, 8/1/2011-7/31/2016

Role: Principal 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, 8/1/2007-3/31/2012

Role: Principal Investigator

“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

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

NCI U01 CA086076-10S1

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

Role: Principal Investigator

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

NCI RC2 CA148577-01

Updated 1/25/2012

Principal Investigators: Miglioretti (contact), Buist, Geller, Kerlikowske, Mandelblatt, Yankaskas;
\$4 million total costs, 9/30/2009-9/29/2011
Role: Contact Principal Investigator

“Modeling Effective Health Policies for Colorectal Cancer”
NCI U01 CA152959
Principal Investigator: Carolyn Rutter, \$1,446,147 total costs, 9/1/2010-8/31/2015
Role: Co-Investigator

“Risk of Cancer in Incidental Findings Identified on Ultrasound Imaging,”
NCI K24 CA125036
Principal Investigator: Rebecca Smith-Bindman, \$99,687 total GHRI direct costs, 7/1/2008-6/30/2013
Role: Site Principal Investigator

“Risk of Cancer with Incidental Findings Identified on Ultrasound Imaging,”
NCI R21 CA132987
Principal Investigator: Rebecca Smith-Bindman, \$102,551 total GHRI costs, 4/1/2009-3/31/2012
Role: Site Principal Investigator

Completed Grants (past 3 years)

“Statistical Coordinating Center for the Breast Cancer Surveillance Consortium,”
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 (BCSC-Medicare),”
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

“Understanding Variability in Community Mammography,”
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?”
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,”
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”

NCI U19 CA079689

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

Role: Principal Investigator

“Assessing the Impact of Colorectal Cancer Screening,”

NCI U01 CA97427

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

Role: Co-Investigator