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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 – Present Dean's Professor of Biostatistics, Department of Public Health Sciences, School of Medicine, University of California, Davis
- 2009 – Present Senior Scientific Investigator, Kaiser Permanente Washington Health Research Institute, Kaiser Foundation Health Plan of Washington*
- 2010 – 2013 Affiliate Professor, Department of Biostatistics, University of Washington
- 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

**Kaiser Permanente acquired Group Health in February 2017, at which point Group Health Research Institute became Kaiser Permanente Washington Health Research Institute.*

ACADEMIC HONORS AND AWARDS

- 2019 Keynote lecturer at the Society for Breast Imaging Symposium
- 2018 Fellow of the American Statistical Association
- 2018 Best Scientific Paper Presentation Award (in Breast), European Congress of Radiology
- 2017 UC Davis School of Medicine Research Award
- 2015 North American Primary Care Research Group (NAPCRG) Pearl Award
- 2014 Herbert M. Stauffer Award for Best Clinical Paper
- 2013 Top 10 publication funded by NCI's Epidemiology and Genomics Research Program
- 2013 [Minnies Runner-up for Scientific Paper of the Year](#)

- 2013 [Top 10 AuntMinnie stories](#)
 2013 Minnies semifinalist for the “[Most Influential Radiology Researcher](#)”
 2012 Minnies Runner-up for [Scientific Paper of the Year](#)
 2012 Editor's Choice for Clinical Practice *Journal of the American College of Radiology*
 2011 Top 12 publication funded by NCI Epidemiology and Genomics Research Program
 2009 Minnies Scientific Paper of the Year
 2003 National Institutes of Health Clinical Research Loan Repayment Program
 2002 International Biometrics Conference Travel Award for Young Investigators
 2000 Margaret Merrell Award for Excellence in Research, Johns Hopkins University School of Public Health
 1996 – 2000 NIH Traineeship on the Epidemiology and Biostatistics of Aging
 2000 Delta Omega, National Public Health Honorary Society
 1997 International Biometric Society’s ENAR Student Travel Award
 1994 – 1996 Biostatistics Departmental Scholarship, Johns Hopkins University School of Public Health
 1991 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
 1990 Golden Key National Honor Society

PROFESSIONAL ACTIVITIES

- 2019 – Present Member, OptumLabs Cancer Research Collaborative
 2019 Reviewer, UCSF’s PhD Program in Epidemiology and Translational Science
 2019 – Present Member, Faculty Expert Panel in Community Outreach and Engagement for the UC Davis Comprehensive Cancer Center
 2018 Member, Site visit team for the Radiation Epidemiology Branch of the NCI Intramural Program
 2017 – 2018 Member, National Council on Radiation Protection & Measurements (NCRP) Council Committee-2 Radiation Epidemiology writing group on Professional Radiation Workforce
 2018 – Present Member, European Society of Radiology
 2017 Panelist, National Institutes of Health Office of Disease Prevention Pathways to Prevention Workshop on Methods for Evaluating Natural Experiments in Obesity
 2017 – Present Advisory Board Member, NCI-funded TMIST randomized trial of digital breast tomosynthesis vs. digital mammography
 2017 – Present Member, UC Davis Graduate Group in Epidemiology Membership Committee
 2017 Reviewer, Special Emphasis Panel, NIH Pathway to Independence Award (K99/R00) program
 2017 – 2020 Course co-director, Radiological Society of North America (RSNA) Clinical Trials Methodology Workshop
 2017 Member, Hologic, Breast and Skeletal Health Division, Scientific Advisory Board
 2016 – Present Expert panel member, American Cancer Society High Risk Breast Cancer Screening Guideline Development Group
 2016 Past-chair, American Statistical Association Biometrics Section
 2015 – 2020 Planning committee member, RSNA Clinical Trials Methodology Workshop
 2015 – 2017 Reviewer, applications for RSNA Clinical Trials Methodology Workshop
 2015 Chair, American Statistical Association Biometrics Section
 2015 Chair, David P. Byar young investigator 2016 award committee, American Statistical Association Biometrics Section
 2014 – Present Member, Radiation Research Society

- 2014 – Present Member, UC Davis Graduate Group in Biostatistics Executive Committee
- 2014 – 2017 Executive committee member, Tomosynthesis Imaging Screening Trial
- 2014 – 2018 Reviewer, applications for RSNA Clinical Trials Methodology Workshop *Biostatistics Candidates*
- 2014 – 2016 Executive committee member, American Statistical Association Biometrics Section
- 2014 – 2015 Planning committee member, The Institute of Medicine's National Cancer Policy Forum workshop on “Assessing and Improving the Interpretation of Mammograms”
- 2014 Chair-elect, American Statistical Association Biometrics Section
- 2013 – Present Chair, UC Davis Graduate Group in Biostatistics Seminar and Group Activities Committee
- 2013 – Present Member, UC Davis Graduate Group in Biostatistics
- 2013 – Present Member, UC Davis Graduate Group in Epidemiology
- 2013 – 2018 Member, UC Davis Graduate Group in Clinical Research
- 2013 – Present Member, UC Davis Center for Healthcare Policy and Research
- 2013 – Present Member, UC Davis Comprehensive Cancer Center
- 2013 – 2015 Reviewer, David P. Byar young investigator award committee, American Statistical & Association Biometrics Section
- 2013 Reviewer, applications for RSNA 2014 Clinical Trials Methodology Workshop
- 2013 Tier 2 reviewer, NCI-funded Cancer Research Network pilot and developmental projects
- 2013 Reviewer, Komen grant applications for Prevention Early/Detection: New Strategies for Early Detection and Minimizing Exposure to Ionizing Radiation
- 2006 – 2010 & 2012 – 2019 Faculty member, Radiological Society of North America (RSNA) Clinical Trials & Methodology Workshop
- 2012 Reviewer, applications for NCI-funded Cancer Research Network research scholars program
- 2011 Content expert, California Health Benefits Review Program,
- 2011 Member, Group Health Research Institute Strategic Planning Committee
- 2010 – 2013 Chair, International Biometrics Society WNAR Regional Advisory Board,
- 2010 Ad-hoc reviewer, National Institutes of Health, Health Services Organization and Delivery (HSOD) study section
- 2009 – 2011 Member, International Biometrics Society WNAR Regional Advisory Board
- 2009 Content expert, California Health Benefits Review Program,
- 2009 Invited participant, NCI Cancer Surveillance Planning Workshop
- 2008 – 2010 Member, Group Health Research Institute Scientific Policy Committee
- 2007 – 2012 American College of Radiology National Mammography Database Planning Committee
- 2007 – 2009 American Statistical Association Biometrics Section Council of Sections Representative
- 2006 – 2007 Radiological Society of North America (RSNA) Test Performance Characteristics Core Curriculum Group
- 2007 Reviewer, David P. Byar young investigator award committee, American Statistical Association Biometrics Section
- 2006 International Biometrics Society WNAR nominating committee
- 2005 – 2012 Member, Statistical Society of Canada
- 2005 – 2006 Member, Society for Neuroscience
- 2005 Member, 2006 International Biometrics Society ENAR Junior Researcher Workshop Planning Committee
- 2005 Member, NIH Vision in Preschoolers Expert Panel
- 2005 Ad-hoc Reviewer, NIH Special Emphasis Panel, Small Business Innovation Research
- 2004 – Present Member, American Association for Cancer Research
- 2004 Ad-hoc Reviewer, NCI Mammography Imaging P01 Panel
- 2002 – 2004 Member, Group Health Research Institute Scientific Policy Committee

2002 Ad-hoc Reviewer, NIH Special Emphasis Panel, Small Business Innovation Research
 2001 – 2010 Member, International Society for Bayesian Analysis,
 2000 – Present Member, The International Biometric Society Western North American Region
 1999 Member, Local Assistance Committee, 1999 Joint Statistical Meetings
 1994 – Present Member, American Statistical Association
 1994 – Present Member, The International Biometric Society Eastern North American Region

Journal referee for: *AJR American Journal of Roentgenology, Annals of Internal Medicine, Biometrics, Biostatistics, The Breast, British Journal of Cancer, British Journal of Radiology, Canadian Journal of Statistics, Cancer, Communications in Statistics, Health Services and Outcomes Research Methodology, Medical Care, JAMA, JAMA Pediatrics, Journal of the National Cancer Institute, Journal of the Royal Statistical Society C (Applied Statistics), Pediatric Radiology, PLOS ONE, Psychological Methods, Radiology, Statistics in Medicine, Statistical Modelling.*

PUBLICATIONS IN PEER REVIEWED JOURNALS

*=Significant mentoring role

**=Both authors contributed equally (i.e., joint first or senior author)

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: 1242994
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, Izmirlan 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. PMCID: 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. PMCID: 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. PMID: 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. 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 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
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9. 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.
10. 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.
11. 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]
12. 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.
13. 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.
14. 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.
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
20. 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
21. 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
22. 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.
23. 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
24. **Miglioretti DL**, Obuchowski N, Alonzo T, "Opportunities for Statistics in Radiology Clinical Trials," *Amstat News: The Membership Magazine of the American Statistical Association*, 2014 June 1.
25. Miglioretti D. Mammographic screening for women with dense breasts. [HealthManagement.org-The Journal](http://HealthManagement.org-TheJournal), 2015;15(3):220, 222. <<https://iii.hm/vg>>
26. Smith-Bindman R, Kwan ML, **Miglioretti DL**. Who gets to decide? *Radiology*. 2016 Feb;278(2):635-7. PMID: 26789608
27. Smith-Bindman R, **Miglioretti D**. Letter to the editor: "Cell-free DNA Analysis for Noninvasive Examination of Trisomy." *N Engl J Med*. 2015 Dec 24;373(26):2581. PMID: 26699180.
28. Houssami N, **Miglioretti DL**. Invited, peer-reviewed editorial: "Digital Breast Tomosynthesis: A Brave New World of Mammography Screening." *JAMA Oncol*. 2016 Jun 1;2(6):725-7. [Epub ahead of print 2016 Feb 18] PMID: 26892954

29. **Miglioretti DL**, Lee CI. Author response: "Radiation-Induced Breast Cancer." *Ann Intern Med*. 2016 Sep 20;165(6):452. PMID: 27653715
30. **Miglioretti DL**, "Revised guidelines recommend later screening for breast cancer." *Sacramento Bee*, 2016 Oct 25 (<http://www.sacbee.com/opinion/california-forum/article110397192.html>).
31. Lee J, **Miglioretti DL**, Burnside ES, Morris EA, Smith RA, Lehman CD. Letter to the Editor: "Mammography Performance Benchmarks in an Era of Value-Based Care." *Radiology*. 2017;284(2):605-7.
32. **Miglioretti DL**, Lee JM, Kerlikowske K; Breast Cancer Surveillance Consortium. [Re: "Linkage of the ACR National Mammography Database to the Network of State Cancer Registries: Proof of Concept Evaluation by the ACR National Mammography Database Committee"](#). *J Am Coll Radiol*. 2019 Feb;16(2):135-136. doi: 10.1016/j.jacr.2018.09.056. PMID 30717832
33. Wernli KJ, Brandzel SD, Buist DSM, Bush M, DeMartini W, Ichikawa L, Haas C, Henderson LM, Johnson D, Kerlikowske K, McColgin D, **Miglioretti DL**, Nekhlyudov L, Onega T, Rosenberg DE. "Comparative effectiveness of surveillance imaging modalities in breast cancer survivors." Final research report to Patient Centered Outcomes Research Institute. (In press)

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 Louis 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)
42. "Radiation Exposure and Cancer Risk from Medical Imaging," University of California Davis Health Services Research Seminar, Davis, CA (April 2014)
43. "Breast Cancer Surveillance Consortium: 20+ years of NCI-supported, community-based breast cancer screening research," National Cancer Institute, Rockville, MD (May 2014)
44. "Breast Cancer Surveillance Consortium: 20+ years of NCI-supported research evaluating community-based breast cancer screening," ECOG/ACRIN Conference on Breast Cancer Screening, Reston, VA (June 2014)
45. "Radiation-Induced Breast Cancer and Breast Cancer Death from Mammography Screening," U.S Preventive Services Task Force Meeting, Rockville, MD (November 2014)
46. "Identifying Radiologists with Poor Mammography Performance," Invited presentation at the Institute of Medicine workshop on Assessing and Improving Imaging Interpretation in Breast Cancer Screening, Washington DC (May 2015)
47. "Identifying Women With Dense Breasts at High Risk for Interval Cancer," Presentation at the International Cancer Screening Network meeting, Rotterdam, Netherlands (June 2015)
48. "Risk based breast cancer screening," Invited seminar at the European School of Oncology Breast Cancer Screening Conference, Dublin, Ireland (June 2015)
49. "Risk based (precision) breast cancer screening," Invited seminar at the Netherlands Cancer Institute, Amsterdam (September 2015)
50. "Radiation-Induced Breast Cancer Incidence and Mortality from Digital Mammography Screening: A Modeling Study," Seminar presented to the UC Davis Graduate Group in Biostatistics, Davis, CA (November, 2015)
51. "Old and New Myths in Medicine – Cancer Screening," Invited plenary presentation and panel discussion at the European Forum Alpbach, Austria (August 2016)
52. "Screening women with previous breast disease or abnormal findings," Invited presentation at the American Cancer Society Meeting on High Risk Breast Cancer Screening, Memorial Sloan Kettering, New York, New York (December 2016)
53. "Risk-Adapted Breast Cancer Screening and Prevention," Invited opening presentation at the International Working Group on Breast Cancer Risk Assessment and Strategies for Screening and Prevention Meeting, Memorial Sloan Kettering, New York, New York (October 2017)
54. "Risk-Stratified Breast Cancer Screening," Dentist Olaf Aase and wife's memorial lecture, 8th Nordic Mammography Screening Symposium, Oslo, Norway (October 2017)
55. "Radiologists' Interpretive Skills In Screening Vs. Diagnostic Mammography: Are They Related" Invited presentation, 8th Nordic Mammography Screening Symposium, Oslo, Norway (October 2017)

56. “Meaningful Patient Engagement in Health Sciences Research: Experience with three PCORI-funded Studies” Invited seminar presented as part of the UC Davis Community Engagement Seminar Series. Sacramento, CA (November 2017)
57. “Sacramento Area Breast Imaging Registry (SABIR): A Rich Resource for Improving Breast Cancer Screening.” Invited talk presented at the UCD CTSC External Advisory Board Meeting, Sacramento, CA (February 2018)
58. “Risk-Based Strategies for Supplemental Breast Cancer Screening.” Oral presentation at the European Congress of Radiology, Vienna, Austria (March 2018) [**Awarded best presentation in breast**]
59. “Breast Cancer Surveillance Consortium: 20+ years of research evaluating community-based breast cancer screening.” Invited seminar presented as part of the UCD Health Informatics Seminar Series, Sacramento, CA (December 2018)
60. “Estimating the Cumulative Risk of False-Positive Screening Tests.” Seminar presented as part of the UC Davis Biostatistics Seminar Series, Davis, CA (February, 2019)
61. “Estimating the Cumulative Risk of False-Positive Screening Tests.” Invited seminar presented to the UCSF Biostatistics Division, San Francisco, CA (February, 2019)
62. “Risk-Based Breast Cancer Screening: Improving the Balance of Benefits and Harms.” Invited seminar presented as part of the Center for Healthcare Policy and Research Seminar Series, Sacramento, CA (March 2019)
63. “Risk-Based Breast Cancer Screening: Improving the Balance of Benefits and Harms.” Invited seminar presented as to the UCD Department of Public Health Sciences, Davis, CA (March 2019)
64. “[Age and Interval – Important Considerations in Screening](#)” Keynote address presented to the Society for Breast Imaging, Hollywood, Florida (April 2019)
65. “Breast Cancer Surveillance Consortium: A rich research resource for evaluating breast cancer screening and outcomes in Latinas.” Invited presentation at the Mini-Symposium on Precision Health Equity of breast cancer in Latinas, UC Davis Comprehensive Cancer Center, Davis, CA (May 2019)
66. “Breast Cancer Screening Strategies Based on Breast Density and Risk.” Invited plenary presentation at the International Breast Density and Cancer Risk Assessment Workshop, Honolulu, HI (June 2019)

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). *Joint first authors, presented together.
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).
6. **Miglioretti DL**, Lang J, Lee CI, van Ravesteyn N, van den Broek JJ, Ritley D, Kerlikowske K, Fenton JJ, Melnikow J, de Koning HJ, Hubbard RA, “Radiation-Induced Breast Cancer and Breast Cancer Death

from Mammography Screening.” International Cancer Screening Network meeting, Rotterdam, Netherlands (June 2015).

7. **Miglioretti D**, Kwan M, Weinmann S, Bowles E, Bolch W, Duncan J, Kushi L, Yueju L, Marlow E, Theis K, Deosaransingh K, Francisco M, DeVault J, Lakoma M, Manney, Mor J, Wong C, Jenkins C, Kumar K, Luce C, Multerer D, Munneke J, Uchida A, Troup M, Greenlee R, Pole J, Rahm A, Stout N, Smith-Bindman R, “Current Exposure to Computed Tomography Imaging in U.S. Integrated Health Care Systems,” *Conference on Radiation and Health*, Waikoloa Village, Hawaii (October 2016).

TEACHING EXPERIENCE

Teaching

University of Washington, Seattle, WA

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

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

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

Radiological Society of North America Clinical Trials Methodology Workshop (2006-2010, 2012-2020)

University of California, Davis, CA

- Instructor of record
 - 2013 Fall, Introduction to Medical Statistic (CLH205/SPH244)
 - 2014 Fall, Introduction to Medical Statistic (CLH205/SPH244)
 - 2015 Spring, Seminar in Biostatistics (BST 290)
 - 2015 Fall, Seminar in Biostatistics (BST 290)
 - 2016 Winter, Seminar in Biostatistics (BST 290)
 - 2016 Spring, Seminar in Biostatistics (BST 290)
 - 2016 Fall, Seminar in Biostatistics (BST 290)
 - 2017 Winter, Seminar in Biostatistics (BST 290)
 - 2018 Winter, Seminar in Biostatistics (BST 290)
 - 2018 Spring, Seminar in Biostatistics (BST 290)
 - 2019 Winter, Seminar in Biostatistics (BST 290)
 - 2019 Spring Seminar in Biostatistics (BST 290)
- Lecturer
 - 2016 Spring, Cancer Prevention (SPH 298)
 - 2017 Spring, Cancer Prevention (SPH 298)
 - 2018 Spring, Team Science (CLH 207)
 - 2018 Fall, Medical Informatics Seminar (MHI 290)
 - 2019 Winter, Health Policy Research Seminar (EPI 291)
 - 2019 Spring, Team Science (CLH 207)
 - 2019 Spring, Cancer Prevention (SPH 298)

Teaching Assistantships

Department of Biostatistics, Johns Hopkins School of Public Health (1994-1999)

- 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, 1992
- Animal Diversity Laboratory

STUDENT AND POST-DOC ADVISING & MENTORING

Mentoring on Career Development Awards

- Christoph Lee, MD (UW, ACS Mentored Research Scholar, 2015-2019)
- Dejana Braithwaite, PhD (UCSF, ACS Mentored Research Scholar, 2011-2015)

Post-doctoral Research Fellows

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

PhD Students (Chair of committee)

- Yifei Wang (UCD Biostatistics 2014-2017)
- Michael Bissell (UCD Epidemiology 2015-present)
- Emily Marlow (UCD Epidemiology 2015-present)
- Marzieh Kadkhodaei Golmakani (UCD Biostatistics 2015-present)
- Adam Furst (UCD Biostatistics 2017-present)

PhD Committee Memberships

- Mike John (UW Epidemiology 2002)
- Jon Schildcrout (UW Biostatistics 2003-2004)
- Charlotte Gard (UW Biostatistics 2007-2011)
- Sarah Reed (UCD Nursing 2015-2017)
- Suzanne Ryan-Ibarra (UCD Epidemiology 2016-2017)
- Natalie Engmann (UCSF Epidemiology 2016-2018)
- Vignesh Arasu, MD (UCSF Epidemiology 2019-present)

PhD Qualifying Exam Committees

- Sarah Reed (UCD Nursing 2015)
- Yifei Wang (UCD Biostatistics 2015)
- Suzanne Ryan-Ibarra (UCD Epidemiology 2016)
- Marzieh Kadkhodaei Golmakani (UCD Biostatistics 2017)
- Courtney Shelley (UCD Epidemiology 2017)

Masters Student (Chair of committee)

- Zhuo (Tracy) Zhang (UW Biostatistics 2003-2004)
- Eunyong Lim (UW MPH-COPHP 2004-2005)
- Adam Omidpanah (UW Biostatistics 2010-2011)
- Emily Marlow (UCD Biostatistics 2015)

Masters Student Internships

- Jongwon Kim (UCD Biostatistics 2017)

Graduate Student Research Assistants

- Zhuo (Tracy) Zhang (UW/GHRI, 2003-2004)
- Rod Walker (UW/GHRI, 2005-2007)
- Charlotte Gard (UW/GHRI, 2007-2011)
- Megan Smith (UW/GHRI, 2010-2011)
- Adam Omidpanah (UW/GHRI, 2010-2011)
- Yifei Wang (UCD, 2014-2017)
- Michael Bissell (UCD, 2015-present)
- Emily Marlow (UCD, 2015-present)
- Marzieh Kadkhodaei Golmakani (UCD, 2015-present)
- Adam Furst (UCD, 2017-present)

FUNDING HISTORYCurrent Grants/Contracts

“Risk-Based Breast Cancer Screening and Surveillance in Community Settings”

NIH/NCI P01 CA154292

Principal Investigators: Diana Miglioretti, Karla Kerlikowske, Anna Tosteson

Total costs: \$37,351,475

Project period: 8/26/2011 – 5/31/2022

Role: Contact Principal Investigator

Goals: To determine the optimal risk-based breast cancer screening and surveillance strategies using the Breast Cancer Surveillance Consortium.

“Comparative Effectiveness of Breast Cancer Screening and Diagnostic Evaluation by Extent of Breast Density”

PCORI PCS-1504-30370

Principal Investigator: Diana Miglioretti

Total costs: \$7,628,404 total costs

Project period: 9/1/2016 – 2/28/2021

Role: Principal Investigator

Goals: To determine how breast density should be integrated into decision making around breast cancer screening and preoperative diagnostic work-up. Specifically, we will compare the effectiveness of (1) breast cancer screening using digital mammography alone versus digital mammography plus supplemental screening (digital breast tomosynthesis or magnetic resonance imaging [MRI]) by extent of breast density and (2) preoperative MRI versus no MRI by extent of breast density among women with an initial, pathologically confirmed diagnosis of DCIS or invasive breast cancer.

“Risk of Pediatric and Adolescent Cancer Associated with Medical Imaging”

NIH/NCI R01 CA185687

Principal Investigators: Rebecca Smith-Bindman (UCSF), Diana Miglioretti, Marilyn Kwan (KPNC)

Total Costs: \$10,027,399

Project period: 03/01/15 – 02/29/20

Role: Principal Investigator (multiple PI mechanism)

Goals: Comprehensively evaluate patterns of medical imaging, cumulative exposure to radiation, and subsequent risk of pediatric cancers in four integrated health care delivery systems comprising over 7 million children enrolled from 1996-2017.

Supplement to: “Risk-Based Breast Cancer Screening and Surveillance in Community Settings”

NIH/NCI and the Office of Research on Women’s Health: 3P01CA154292-07S1

Principal Investigator: Diana Miglioretti, Karla Kerlikowske, Anna Tosteson

Total costs: \$200,000

Budget period: 06/01/2018 – 05/31/2019

Role: Contact Principal Investigator

Goals: To identify racial and ethnic differences in the effects of risk factors on risks of advanced breast cancer and breast cancer mortality, which could lead to more personalized strategies to improve early detection and reduce breast cancer disparities among minorities.

“Pragmatic trial of more versus less intensive strategies for active surveillance of patients with small pulmonary nodules”

PCORI PCS-1403-12653

Principal Investigator: Michael Gould (KPSC)

Total Costs: \$14,000,000

Project period: 6/1/2015 – 5/31/2020

Role: Co-Principal Investigator, PI of UC Davis subcontract for data coordinating center

Goals: A cluster randomized pragmatic trial to compare the effectiveness of a more vs. intensive surveillance strategy for small lung nodules.

“Comorbidity and screening outcomes among older women undergoing mammography”

NIH/NCI R01CA207361

Principal Investigator: Dejana Braithwaite (Georgetown University)

Role: Co-investigator, PI of UC Davis subcontract

Project period: 1/1/17 – 12/31/22

Goals: To use the Breast Cancer Surveillance Consortium cohort to evaluate the benefits and harms of screening mammography among women aged 66 and older across levels of advancing age, comorbidity and functional status.

“Sacramento Area Breast Imaging Registry”

Placer County Breast Cancer Foundation

Principal Investigator: Diana Miglioretti

Total costs: \$90,000

Project period: 7/1/17 – 6/30/19

Goals: To build a regional breast imaging registry for conducting research and quality assurance in breast cancer screening and surveillance.

“Sacramento Area Breast Imaging Registry”

UC Davis Clinical and Translational Science Center

Principal Investigator: Diana Miglioretti

Total costs: \$40,000

Project Period: 7/1/17 – 6/30/19

Goals: To build a regional breast imaging registry for conducting research and quality assurance in breast cancer screening and surveillance.

“Risk of cancer versus risk of cancer diagnosis? Accounting for diagnostic bias in predictions of breast cancer risk by race and breast density”

NIH/NCI U54CA132383

Principal Investigator: Charlotte Gard

UCD total costs: \$31,921

Updated 5/14/2019

Project period: 09/18/2018 – 08/31/2021

Role: Co-investigator, PI of UC Davis subcontract

Goals: To investigate the impact of racial/ethnic disparities in screening and biopsy utilization on risk factor-breast cancer associations in the risk prediction setting.

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

NIH/NCI 1R01CA168598

Principal Investigator: Rachel Winer (University of Washington)

Annual direct costs: \$457,330

Project period: 04/24/13 – 03/31/19

Role: Co-investigator, PI of UC Davis subcontract

Goals: Integrated RCT of in-home HPV screening of women who are overdue for cervical cancer screening.

“CT Dose Collaboratory”

NIH/NCI 1R01CA181191-01A1

Principal Investigator: Rebecca Smith-Bindman (UCSF)

Total costs: \$6,215,485

Project period: 9/12/14 – 8/31/19

Role: Co-investigator

Goals: This multisite collaboration is using a mixture of methods including a randomized controlled trial, observational data, and key informant interviews to optimize and standardize radiation exposure from CT imaging.

Completed Grants (since 2009)

“Breast Cancer Surveillance Consortium Data Resource Statistical Coordinating Center”

NIH/NCI Contract HHSN261201100031C

Principal Investigator: Diana Miglioretti from 8/1/2011-12/31/2012, Rebecca Hubbard from 1/1/2013-10/21/2014, Ellen O’Meara from 10/22/2014-7/31/2015

Total costs: \$7,455,050

Project period: 8/1/2011 – 7/31/2016

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

Goals: Maintain the current high standards of the BCSC database, provide scientific and statistical expertise, and conduct rigorous statistical analyses to advance breast cancer research. Expand our dissemination efforts and data sharing through novel electronic interfaces and by creating publicly available and custom datasets.

“Comparative Effectiveness of Surveillance Modalities In Breast Cancer Survivors”

PCORI CE-1304-6656

Principal Investigator: Karen Wernli (Group Health Research Institute)

Project period: 10/1/2013 – 9/30/2016

Role: Co-Investigator

Goals: To compare the effectiveness of mammography and breast MRI for the detection of second breast cancer events.

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

PCORI CA-0054498

Principal Investigator: Rebecca Smith-Bindman (UCSF)

Total costs: \$1,881,241

Project Period: 11/01/13 – 10/31/16

Updated 5/14/2019

Role: Co-investigator

Goals: Prospective registry to collect and standardize radiation doses used for CT across institutions.

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

NIH/NCI 5U01CA152958

Principal Investigators: Jeanne Mandelblatt (Georgetown) et al.

Annual direct costs: \$1,777,640

Project Period: 09/01/10 – 08/31/15

Role: Co-investigator

Goal: Extend past successful approach to three aims: Aim 1, to compare the effect on breast cancer mortality and harms of current population screening practices with the effect of targeting screening by risk factors for molecular subtypes of breast cancer; Aim 2, to compare the benefits and harms of targeting new systemic adjuvant therapy approaches by molecular subtypes of breast cancer compared with actual diffusion; Aim 3, to develop and focus-group test a public web interface that allows decision makers to obtain graphical and tabular depictions of pre-analyzed results for a variety of scenarios from Aims 1 and 2.

“Statistical Methods for Estimation of Benefits & Harms of Repeat Cancer Screening”

NIH/NCI R03CA182986

Principal Investigator: Rebecca Hubbard (University of Pennsylvania)

Total costs: \$100,000

Project period: 1/1/2013 – 12/31/2015

Role: Other significant contributor

Goals: To develop new statistical methods to estimate the expected number of false-positive test results and cumulative probabilities of experiencing a screen detected cancer, false-negative test result, or false-positive test result over the course of a cancer-screening regimen. We will then use these methods to compare risk-based breast cancer screening strategies.

“Evidence Based Practice Centers (EPCs) IV Program”

HHS A2902012000151

Principal Investigator: Evelyn Whitlock (KPNW)

Annual and total costs: \$75,571 (year 1 only); \$181,660 (total including indirects over 2 years)

Project period: 4/1/2014 – 4/30/15

Role: Co-investigator

Goals: To conduct a systematic review of new technologies for screening women with dense breasts for breast cancer.

“Performance of Supplemental Breast Cancer Screening with Ultrasound”

American Cancer Society 15922 #NHLONGGBR

Principal Investigator: Diana Miglioretti

Total costs: \$191,777

Project period: 2/28/2014 – 12/31/2014

Role: Principal Investigator

Goals: To evaluate the performance of screening ultrasound as an adjunct to screening mammography in women with and without dense breast tissue.

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

NIH/NCI U24 CA171524

Principal Investigator: Larry Kushi

Total costs: \$15,904,238

Project period: 09/25/12 – 08/31/14

Updated 5/14/2019

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

“Benchmarks for Lowering Radiation from Computed Tomography”

Group Health Research Institute Development Fund

Principal Investigator: Diana Miglioretti

Total direct costs: \$281,857

Project period: 1/1/2012 – 12/31/2013

Role: Principal Investigator

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

NIH/NCI RC2 CA148577

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

Total costs: \$4 million

Project period: 9/30/2009 – 9/29/2012

Role: Contact Principal Investigator (multiple PI mechanism)

“Statistical Coordinating Center for the Breast Cancer Surveillance Consortium”

NIH/NCI U01CA86076

Principal Investigator: Diana Miglioretti,

Total direct costs: \$2,935,409

Project period: 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

Total costs: \$491,087

Project period: 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

Total costs: \$59,543

Project period: 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

Total costs: \$28,199

Project period: 7/1/08 – 12/31/09

Role: Co-Investigator and Site Principal Investigator

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

NIH/NCI R03 CA150007

Principal Investigator: Rebecca Hubbard

Total costs: \$160,000

Project period: 06/01/10 – 05/31/13

Updated 5/14/2019

Role: Co-Investigator

“Understanding Variability in Community Mammography”

NIH/NCI R01 HS10591

Principal Investigator: Joann Elmore

Total annual direct costs: \$627,862

Project period: 7/1/2004 – 5/31/2010

Role: Co-Investigator and Site Principal Investigator

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

NIH/NCI R21 CA131698

Principal Investigator: Rebecca Smith-Bindman

Total direct costs: \$95,908

Project period: 7/1/2008 – 6/30/2011

Role: Co-Investigator and Site Principal Investigator

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

NIH/NCI U01 CA070013-14S2

Principal Investigator: Berta Geller

Total direct costs: \$44,375

Project period: 8/01/2008 – 7/31/2009

Role: Co-Investigator and Site Principal Investigator

“Medical Radiation Induced Cancers: CRN Pilot Y11”

NIH/NCI U19 CA079689

Principal Investigator: Diana Miglioretti

Total direct costs: \$106,149

Project period: 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

Total GHRI subcontract costs: \$102,551

Project period: 4/1/2009 – 3/31/2012

Role: Co-Investigator and Site Principal Investigator

“Assessing the Impact of Colorectal Cancer Screening”

NIH/NCI U01 CA97427

Principal Investigator: Carolyn Rutter

Total direct costs: \$570,784

Project period: 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

Total direct costs: \$787,200

Project period: 8/1/2007 – 3/31/2013

Role: Principal Investigator

Updated 5/14/2019

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

NIH/NCI K24 CA125036

Principal Investigator: Rebecca Smith-Bindman

Total GHRI subcontract costs: \$99,687

Project period: 7/1/2008 – 6/30/2013

Role: Co-Investigator and Site Principal Investigator