

DIANA L. MIGLIORETTI, PhD

Division of Biostatistics · Department of Public Health Sciences · One Shields Avenue · Med Sci 1C ·
University of California · Davis, California 95616 · Phone: (530) 752-7168 · dmiglioretti@ucdavis.edu

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 – Present Member, University of California Davis Comprehensive Cancer Center Scientific Review Committee
 2019 Reviewer, University of California San Francisco PhD Program in Epidemiology and Translational Science
 2019 – Present Member, Faculty Expert Panel in Community Outreach and Engagement for the University of California Davis Comprehensive Cancer Center
 2018 Member, Site visit team for the Radiation Epidemiology Branch of the National Cancer Institute (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 desynchronization 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. PMCID: PMC3142994
19. Rutter CM, **Miglioretti DL**. "Estimating the accuracy of psychological scales using longitudinal data." *Biostatistics.* 2003 Jan;4(1):97-107. PMID: 12925332
20. Codori AM, Zawacki KL, Petersen GM, **Miglioretti DL**, Bacon JA, Trimbath JD, Booker SV, Picarello K, Giardiello FM. "Genetic testing for hereditary colorectal cancer in children: long-term psychological effects." *Am J Med Genet A.* 2003 Jan 15;116A(2):117-28. PMID: 12494429
21. Carney PA, **Miglioretti DL**, Yankaskas BC, Kerlikowske K, Rosenberg R, Rutter CM, Geller BM, Abraham LA, Taplin, SH, Dignan M, Cutter G, Ballard-Barbash R. "Individual and combined effects of age, breast density, and hormone replacement therapy use on the accuracy of screening mammography." *Ann Intern Med.* 2003 Feb 4;138(3):168-75. PMID: 12558355
22. John MT, **Miglioretti DL**, LeResche L, Von Korff M, Critchlow CW. "Widespread pain as a risk factor for dysfunctional temporomandibular disorder pain." *Pain.* 2003 Apr;102(3):257-63. PMID: 12670667
23. **Miglioretti DL**. "Latent transition regression for mixed outcomes." *Biometrics.* 2003 Sep;59(3):710-20. PMID: 14601773
24. *John MT, LeResche L, Koepsell TD, Hujoel P, **Miglioretti DL**, Micheelis W. "Oral health-related quality of life in Germany." *Eur J Oral Sci.* 2003 Dec;111(6):483-91. PMID: 14632684
25. Kerlikowske K, **Miglioretti DL**, Ballard-Barbash R, Weaver DL, Buist DS, Barlow WE, Cutter G, Geller BM, Yankaskas B, Taplin SH, Carney PA. "Prognostic characteristics of breast cancer among postmenopausal hormone users in a screened population." *J Clin Oncol.* 2003 Dec 1;21(23):4314-21. PMID: 14645420
26. **Miglioretti DL**, Boatman D. "Modeling variability in cortical representations of human complex sound perception." *Exp Brain Res.* 2003;153(3):382-7. PMID: 14534769
27. Mandelson MT, **Miglioretti D**, Newcomb PA, Harrison R, Potter JD. "Hormone replacement therapy in relation to survival in women diagnosed with colon cancer." *Cancer Causes Control.* 2003 Dec;14(10):979-84. PMID: 14750537

28. Smith-Bindman R, Chu PW, **Miglioretti DL**, Sickles E, Blanks R, Ballard-Barbash R, Bobo JK, Lee NC, Wallis MG, Patnick J, Kerlikowske K. "Comparison of screening mammography in the United States and the United Kingdom." *JAMA*. 2003 Oct 22;290(16):2129-37. Erratum in: *JAMA*. 2004 Feb 18;291(7):824. PMID: 14570948
29. *John MT, Koepsell TD, Hujoel P, **Miglioretti DL**, LeResche L, Micheelis W. "Demographic factors, denture status and oral health-related quality of life." *Community Dent Oral Epidemiol*. 2004 Apr;32(2):125-32. PMID: 15061861
30. Buist DS, Newton KM, **Miglioretti DL**, Beverly K, Connelly MT, Andrade S, Hartsfield CL, Wei F, Chan KA, Kessler L. "Hormone therapy prescribing patterns in the United States." *Obstet Gynecol*. 2004 Nov;104(5):1042-50. PMID: 15516400
31. *John MT, Hujoel P, **Miglioretti DL**, LeResche L, Koepsell TD, Micheelis W. "Dimensions of oral health-related quality of life." *J Dent Res*. 2004;83(12):956-60. PMID: 15557405
32. White E, **Miglioretti DL**, Yankaskas BC, Geller BM, Rosenberg RD, Kerlikowske K, Saba L, Vacek PM, Carney PA, Buist DS, Oestreicher N, Barlow W, Ballard-Barbash R, Taplin SH. "Biennial versus annual mammography and the risk of late-stage breast cancer." *J Natl Cancer Inst*. 2004 Dec 15;96(24):1832-9. PMID: 15601639
33. **Miglioretti DL**, Rutter CM, Geller BM, Cutter G, Barlow WE, Rosenberg R, Weaver DL, Taplin SH, Ballard-Barbash R, Carney PA, Yankaskas BC, Kerlikowske K. "Effect of breast augmentation on the accuracy of mammography and cancer characteristics." *JAMA*. 2004 Jan 28;291(4):442-50. PMID: 14747501
34. **Miglioretti DL**, Heagerty PJ. "Marginal modeling of multilevel binary data with time-varying covariates." *Biostatistics*. 2004 Jul; 5(3):381-98. PMID: 15208201
35. Newton KM, Buist DS, **Miglioretti DL**, Beverly K, Hartsfield CL, Chan KA, Andrade SE, Wei F, Connelly MT, Kessler L. "The impact of comorbidities on hormone use. After the 2002 release of the Women's Health Initiative." *J Gen Intern Med*. 2005 Apr;20(4):350-6. PMID: 1590092
36. Sickles EA, **Miglioretti DL**, Ballard-Barbash R, Geller BM, Leung JW, Rosenberg RD, Smith-Bindman R, Yankaskas BC. "Performance benchmarks for diagnostic mammography." *Radiology*. 2005 Jun;35(3):775-90. PMID: 15914475
37. Smith-Bindman R, Ballard-Barbash R, **Miglioretti DL**, Patnick J, Kerlikowske K. "Comparing the performance of mammography screening in the USA and the UK." *J Med Screen*. 2005;12(1):50-4. PMID: 15814020
38. Codori AM, Waldeck T, Petersen GM, **Miglioretti D**, Trimbath JD, Tillery MA. "Genetic counseling outcomes: perceived risk and distress after counseling for hereditary colorectal cancer." *J Genet Couns*. 2005 Apr;14(2):119-32. PMID: 1595963
39. Von Korff M, Crane P, Lane M, **Miglioretti DL**, Simon G, Saunders K, Stang P, Branderburg N, Kessler R. "Chronic spinal pain and physical-mental comorbidity in the United States: results from the National Comorbidity Survey replication." *Pain*. 2005 Feb;113(3):331-9. PMID: 15661441
40. Von Korff M, Balderson BH, Saunders K, **Miglioretti DL**, Lin EH, Berry S, Moore JE, Turner JA. "A trial of an activating intervention for chronic back pain in primary care and physical therapy settings." *Pain*. 2005 Feb;113(3):323-30. PMID: 15661440
41. Smith-Bindman R, Chu P, **Miglioretti DL**, Quale C, Rosenberg RD, Cutter G, Geller B, Bacchetti P, Sickles EA, Kerlikowske K. "Physician predictors of mammographic accuracy." *J Natl Cancer Inst*. 2005 Mar 2;97(5):358-67. PMID: 15741572
42. Cronin KA, Yu B, Krapcho M, **Miglioretti DL**, Fay MP, Izmirlian G, Ballard-Barbash R, Geller BM, Feuer EJ. "Modeling the dissemination of mammography in the United States." *Cancer Causes Control*. 2005 Aug;16(6):701-12. PMID: 16049809
43. Boatman DF, **Miglioretti DL**. "Cortical sites critical for speech discrimination in normal and impaired listeners." *J Neurosci*. 2005 Jun 8;25(23):5475-80. PMID: 15944375
44. Von Korff M, **Miglioretti DL**. "A prognostic approach to defining chronic pain." *Pain*. 2005 Oct;117(3):304-13. PMID: 16153772

45. Wei F, **Miglioretti DL**, Connelly MT, Andrade SE, Newton KM, Hartsfield CL, Chan KA, Buist DS. "Changes in women's use of hormones after the Women's Health Initiative Estrogen and Progestin trial by race, education, and income." *J Natl Cancer Inst Monogr.* 2005;35:106-12. PMID: 16287895
46. Sherman KJ, Cherkin DC, Erro J, **Miglioretti DL**, Deyo RA. "Comparing yoga, exercise, and a self-care book for chronic low back pain: a randomized, controlled trial." *Ann Intern Med.* 2005 Dec 20;143(12):849-56. PMID: 16365466
47. *John MT, **Miglioretti DL**, LeResche L, Koepsell TD, Hujoel P, Micheelis W. "German short forms of the Oral Health Impact Profile." *Community Dent Oral Epidemiol.* 2006 Aug;34(4):277-88. PMID: 16856948
48. Boatman DF, Lesser RP, Crone NE, Krauss G, Lenz FA, **Miglioretti DL**. "Speech recognition impairments in patients with right temporal lobe epilepsy." *Epilepsia.* 2006 Aug;47(8):1397-401. PMID: 16922887
49. Haas JS, Geller B, **Miglioretti DL**, Buist DS, Nelson DE, Kerlikowske K, Carney PA, Breslau ES, Dash S, Canales MK, Ballard-Barbash R. "Changes in the newspaper coverage of hormone therapy with the release of new medical evidence." *J Gen Intern Med.* 2006 Apr;21(4):304-9. 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. PMID: 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
74. Kerlikowske K, Walker R, **Miglioretti DL**, Desai A, Ballard-Barbash R, Buist DS for the National Cancer Institute-Sponsored Breast Cancer Surveillance Consortium. "Obesity, mammography use and accuracy, and advanced breast cancer risk." *J Natl Cancer Inst.* 2008 Dec 3;100(23):1724-33. PMID: PMC2734114
75. Yu O, Boudreau DM, Buist DS, **Miglioretti DL**. "Statin use and female reproductive organ cancer risk in a large population-based setting." *Cancer Causes Control.* 2009 Jul;20(5):609-16. PMID: PMC3041638
76. Sherman KJ, Cherkin DC, Hawkes RJ, **Miglioretti DL**, Deyo RA. "Randomized trial of therapeutic massage for chronic neck pain." *Clin J Pain.* 2009 Mar-Apr;25(3):233-8. PMID: PMC2664516

77. **Miglioretti DL**, Haneuse SJ, Anderson ML, “Statistical approaches for modeling radiologists’ interpretive performance.” *Acad Radiol*. 2009 Feb;16(2):227-38. PMID: PMC2653267
78. Dick JF 3rd, Gallagher TH, Brenner RJ, Yi JP, Reisch LM, Abraham L, **Miglioretti DL**, Carney PA, Cutter GR, Elmore JG. “Predictors of radiologists’ perceived risk of malpractice lawsuits in breast imaging.” *AJR Am J Roentgenol*. 2009 Feb;192(2):327-33. PMID: PMC3138733
79. Jenkins JR, Graff JJ, **Miglioretti DL**. “Estimating reading growth using intermittent CBM progress monitoring,” *Except Child*. 2009;75(2):151-63.
80. Sinai A, Crone NE, Wied HM, Franaszczuk PJ, **Miglioretti D**, Boatman-Reich D. “Intracranial mapping of auditory perception: event-related responses and electrocortical stimulation.” *Clin Neurophysiol*. 2009 Jan;120(1):140-9. PMID: PMC2819074
81. Geller BM, Bowles EJ, Sohng HY, Brenner RJ, **Miglioretti DL**, Carney PA, Elmore JG. “Radiologists’ performance and their enjoyment of interpreting screening mammograms.” *AJR Am J Roentgenol*. 2009 Feb;192(2):361-9. PMID: PMC2824325
82. Rutter CM, **Miglioretti DL**, Savarino JE. “Bayesian calibration of microsimulation models.” *J Am Stat Assoc*. 2009 Dec 1;104(488):1338-50. PMID: PMC2805837
83. Carney PA, Kettler M, Cook AJ, Geller BM, Karliner L, **Miglioretti DL**, Bowles EA, Buist DS, Gallagher TH, Elmore JG. “An assessment of the likelihood, frequency, and content of verbal communication between radiologists and women receiving screening and diagnostic mammography.” *Acad Radiol*. 2009 Sep;16(9):1056-63. PMID: PMC2746626
84. *Abraham L, Geller BM, Yankaskas BC, Bowles EJ, Karliner LS, Taplin SH, **Miglioretti DL**. “Accuracy of self-reported breast cancer among women undergoing mammography.” *Breast Cancer Res Treat*. 2009 Dec;118(3):583-92. PMID: PMC2784159
85. Cronin KA, **Miglioretti DL**, Krapcho M, Yu B, Geller BM, Carney PA, Onega T, Feuer EJ, Breen N, Ballard-Barbash R. “Bias associated with self-report of prior screening mammography” *Cancer Epidemiol Biomarkers Prev*. 2009 Jun;18(6):1699-705. PMID: PMC2771779
86. Gallagher TH, Cook AJ, Brenner RJ, Carney PA, **Miglioretti DL**, Geller BM, Kerlikowske K, Onega TL, Rosenberg RD, Yankaskas B, Lehman CD, Elmore JG. “Disclosing harmful mammography errors to patients.” *Radiology*. 2009 Nov;253(2):443-52. PMID: PMC2770115
87. Elmore JG, Jackson SL, Abraham L, **Miglioretti DL**, Carney PA, Geller BM, Yankaskas BC, Kerlikowske K, Onega T, Rosenberg RD, Sickles EA, Buist DS. “Variability in interpretive performance at screening mammography and radiologists’ characteristics associated with accuracy.” *Radiology*. 2009 Dec;253(3):641-51. PMID: PMC2786197
88. **Miglioretti DL**, Gard CC, Carney PA, Onega TL, Buist DSM, Sickles EA, Kerlikowske K, Rosenberg RD, Yankaskas BC, Geller BM, Elmore JG. “When radiologists perform best: the learning curve in screening mammography interpretation.” *Radiology*. 2009 Dec;253(3):632-40. PMID: PMC2786195
89. Menes TS, Kerlikowske K, Jaffer S, Seger D, and **Miglioretti DL**. “Rates of atypical ductal hyperplasia have declined with less use of postmenopausal hormone treatment: findings from the Breast Cancer Surveillance Consortium.” *Cancer Epidemiol Biomarkers Prev*. 2009 Nov;18(11):2822-8. PMID: PMC2920735
90. Smith-Bindman R, Lipson J, Marcus R, Pyo Kim KP, Mahesh M, Gould R, Berrington de Gonzalez A, **Miglioretti DL**. “Radiation dose associated with common computed tomography examinations and the associated lifetime attributable risk of cancer.” *Arch Intern Med*. 2009 Dec 14;169(22):2078-86. PMID: 20008690 PMID: PMC4635397
91. Cook AJ, Elmore JG, **Miglioretti DL**, Sickles EA, Aiello Bowles EJ, Cutter GR, Carney PA. “Decreased accuracy in interpretation of community-based screening mammography for women with multiple clinical risk factors.” *J Clin Epidemiol*. 2010 Apr;63(4):441-51. PMID: PMC2837135
92. Hubbard RA, **Miglioretti DL**, Smith RA, “Modeling the cumulative risk of a false-positive screening test,” *Stat Methods Med Res*. 2010 Oct;19(5):429-49. PMID: PMC2916076

93. Carney PA, Sickles EA, Monsees BS, Bassett LW, Brenner RJ, Feig SA, Smith RA, Rosenberg RD, Bogart TA, Browning S, Barry JW, Kelly MM, Tran K, **Miglioretti DL**. "Identifying minimally acceptable interpretive performance criteria for screening mammography." *Radiology*. 2010 May; 255(2):354-61. PMID: PMC2858814 (**#2 most-downloaded Radiology article in 2010**)
94. Lee HW, Webber WR, Crone N, **Miglioretti DL**, Lesser RP. "When is electrical cortical stimulation more likely to produce afterdischarges?" *Clin Neurophysiol*. 2010 Jan;121(1):14-20. PMID: PMC2852681
95. Bowles EJ, Sickles EA, **Miglioretti DL**, Carney PA, Elmore JG. "Recommendation for short-interval follow-up examinations after a probably benign assessment: is clinical practice consistent with BI-RADS guidance?" *AJR Am J Roentgenol*. 2010 Apr;194(4):1152-9. PMID: PMC2861652
96. Jenson A, Geller BM, Gard CC, **Miglioretti DL**, Yankaskas B, Carney PA, Rosenberg RD, Vejborg I, Lyng E. "Performance of diagnostic mammography differs in the United States and Denmark." *Int J of Cancer*. 2010 Oct 15;127(8):1905-12. PMID: 3755747
97. Elmore JG, Aiello Bowles EJ, Geller B, Oster NV, Carney PA, **Miglioretti DL**, Buist DS, Kerlikowske K, Sickles EA, Onega T, Rosenberg RD, Yankaskas BC. "Radiologists' attitudes and use of mammography audit reports." *Acad Radiol*. 2010 Jun;17(6):752-60. PMID: PMC2894027
98. Cox B, Ballard-Barbash R, Broeders M, Dowling E, Malila N, Shumak R, Taplin S, Buist D, **Miglioretti DL** for the International Cancer Screening Network. "Recording of hormone therapy and breast density in breast screening programs: summary and recommendations of the International Cancer Screening Network." *Breast Cancer Res Treat*. 2010 Dec;124(3):793-800. PMID: 20414718
99. Phipps AI, Ichikawa L, Bowles EJ, Carney PA, Geller BM, Kerlikowske K, **Miglioretti DL**, Buist DS. "Defining menopausal status in epidemiologic studies: An comparison of multiple approaches and their effects on breast cancer rates." *Maturitas*. 2010 Sep;67(1):60-6. PMID: PMC2922404
100. Onega T, Aiello Bowles EJ, **Miglioretti DL**, Carney PA, Geller BM, Yankaskas BC, Kerlikowske K, Sickles EA, Elmore JG. "Radiologists' perceptions of computer aided detection versus double reading for mammography interpretation." *Acad Radiol*. 2010 Oct;17(10):1217-26. PMID: PMC3149895
101. Kerlikowske K, Cook AJ, Buist DS, Cummings SR, Vachon C, Vacek P, **Miglioretti DL**, "Breast cancer risk by breast density, menopause, and postmenopausal hormone therapy use," *J Clin Oncol*. 2010 Aug 20;28(24):3830-7. PMID: PMC2940400
102. Goldman LE, Walker R, **Miglioretti DL**, Smith-Bindman R, Kerlikowske K. "Accuracy of diagnostic mammography at facilities serving vulnerable women," *Med Care*. 2011 Jan;49(1):67-75. PMID: 3689881
103. **Miglioretti DL**, Walker R, Weaver DL, Buist DS, Taplin SH, Carney PA, Rosenberg RD, Dignan MB, Zhang ZT, White E, "Accuracy of screening mammography varies by week of menstrual cycle." *Radiology*. 2011 Feb;258(2):372-9. PMID: PMC3029886
104. Carney PA, Geller BM, Sickles EA, **Miglioretti DL**, Aiello Bowles E, Abraham L, Feig SA, Brown D, Cook AJ, Yankaskas BC, Elmore JG. "Feasibility and satisfaction with using a tailored web-based intervention for recalibrating radiologists' thresholds for conducting additional work-up." *Acad Radiol*. 2011 Mar;18(3):369-76. PMID: PMC3034778
105. Carney PA, Bowles EJ, Sickles EA, Geller BM, Feig SA, Jackson S, Brown D, Cook A, Yankaskas BC, **Miglioretti DL**, Elmore JG. "Using a tailored web-based intervention to set goals to reduce unnecessary recall." *Acad Radiol*. 2011 Apr;18(4):495-503. PMID: PMC3065970
106. Buist DSM, Anderson ML, Haneuse SJ, Sickles EA, Smith RA, Carney PA, Taplin SH, Rosenberg RD, Geller BM, Onega TL, Monsees BS, Bassett LW, Yankaskas BC, Elmore JG, Kerlikowske K, **Miglioretti DL**. "Influence of annual interpretive volume on screening mammography performance in the United States." *Radiology*. 2011 Apr;259(1):72-84. PMID: PMC3064821
107. Houssami N, Abraham L, **Miglioretti DL**, Sickles EA, Kerlikowske K, Buist DM, Geller BM, Muss HB, Irwig L. "Accuracy and outcomes of screening mammography in women with a personal history of early-stage breast cancer," *JAMA*. 2011 Feb 23;305(8):790-9. PMID: 21343578

108. Roth MR, Elmore JG, Yi-Frazier JP, Reisch LM, Oster NV, **Miglioretti DL**. "Self-detection remains a key method of breast cancer detection for U.S. women." *J Womens Health (Larchmt)*. 2011 Aug;20(8):1135-9. PMID: PMC3153870
109. Rosenberg RD, Haneuse SJ, Geller BM, Buist DSM, **Miglioretti DL**, Brenner RJ, Smith-Bindman R, Taplin SH. "Timeliness of follow-up after abnormal screening mammogram: variability of facilities." *Radiology*. 2011 Nov;261(2):404-13. PMID: PMC3198220
110. Hubbard RA, Kerlikowske K, Flowers CI, Yankaskas BC, Zhu W, **Miglioretti DL**. "Cumulative probability of false-positive recall or biopsy recommendation after 10 years of screening mammography: A cohort study." *Ann Intern Med*. 2011 Oct 18;155(8):481-92. PMID: 22007042; PMC3209800
111. Rutter CM, **Miglioretti DL**, Savarino J. "Evaluating risk factor assumptions: A simulation-based approach." *BMC Med Inform Decis Mak*. 2011 Sep 7;11(1):55. PMID: PMC3182875
112. Kerlikowske K, Hubbard R, **Miglioretti DL**, Geller BM, Yankaskas BC, Lehman C, Taplin SH, Sickles EA. "Comparative effectiveness of digital versus film-screen mammography in community practice in the United States: A cohort study." *Ann Intern Med*. 2011 Oct 18;155(8):493-502. PMID: PMC3726800
113. Carney PA, Cook AJ, **Miglioretti DL**, Feig SA, Bowles EA, Geller BM, Kerlikowske K, Kettler M, Onega T, Elmore JG. "Use of clinical history affects accuracy of interpretive performance of screening mammography." *J Clin Epidemiol* 2012;65(2):219-30. PMID: PMC3253253
114. Haneuse S, Buist DS, **Miglioretti DL**, Anderson ML, Carney PA, Onega T, Geller BM, Kerlikowske K, Rosenberg RD, Yankaskas BC, Elmore JG, Taplin SH, Smith RA, Sickles EA. "Mammographic interpretive volume and diagnostic mammogram interpretation performance in community practice." *Radiology*. 2012;262(1):69-79. PMID: PMC3244665
115. Carney PA, Bogart TA, Geller BM, Haneuse S, Kerlikowske K, Buist DSM, Smith R, Rosenberg RD, Yankaskas BC, Onega T, **Miglioretti DL**. "Association between time spent interpreting, level of confidence, and accuracy of screening mammography." *AJR Am J Roentgenol*. 2012;198(4):970-8. PMID: 22451568
116. Rutter CM, Johnson E, **Miglioretti DL**, Mandelson MT, Inadomi J, Buist DS, "Adverse events after screening and follow-up colonoscopy." *Cancer Causes and Control* 2012 Feb;23(2):289-96. PMID: 22105578
117. Jackson SL, Cook AJ, **Miglioretti DL**, Carney PA, Geller BM, Onega T, Rosenberg RD, Brenner RJ, Elmore JG. Are Radiologists' Goals for Mammography Accuracy Consistent with Published Recommendations? *Acad Radiol*. 2012 Mar;19(3):289-95. PMID: PMC3274618
118. Goldman LE, Walker R, **Miglioretti DL**, Smith-Bindman R, Kerlikowske K. "Facility characteristics do not explain higher false-positive rates in diagnostic mammography at facilities serving vulnerable women." *Med Care*. 2012 Mar;50(3):210-6. PMID: 22186768
119. Nelson HD, Zakher B, Cantor A, Fu R, Griffin J, O'Meara ES, Buist DSM, Kerlikowske K, van Ravesteyn NT, Trentham-Dietz A, Mandelblatt J, **Miglioretti D**. "Risk factors for breast cancer for women aged 40-49 years: A systematic review and meta-analysis." *Ann Intern Med*. 2012 May 1;156(9):635-48. PMID: 22547473
120. van Ravesteyn NT, **Miglioretti DL**, Stout NK, Lee SJ, Schechter CB, Buist DSM, Huang H, Heijnsdijk EA, Trentham-Dietz A, Alagoz O, Near AM, Kerlikowske K, Nelson HD, Mandelblatt JS, de Koning HJ. "Tipping the balance of benefits and harms to favor screening mammography starting at age 40 years: a comparative modeling study of risk." *Ann Intern Med*. 2012 May;156(9):609-17. PMID: PMC3520058
121. Buist DSM, Walker R, Bowles EJA, Carney PA, Taplin SH, Onega T, Kerlikowske K, Clinton W, **Miglioretti DL**. "Screening mammography use among current, former and never hormone therapy users may not explain recent declines in breast cancer incidence." *Cancer Epidemiology, Biomarkers & Prevention* 2012; 21(5):720-7. PMID: 22301831

122. Geller BM, Ichikawa L, **Miglioretti DL**, Eastman D. "Web-based mammography audit feedback." *AJR Am J Roentgenol*. 2012 Jun;198(6):W562-7. PMID: 22623571
123. Smith-Bindman R, **Miglioretti DL**, Johnson E, Lee C, Spencer Feigelson H, Flynn M, Greenlee RT, Kruger RL, Hornbrook MC, Roblin D, Solberg LI, Vanneman N, Weinmann S, Williams AE. "Use of diagnostic imaging studies and associated radiation exposure for patients enrolled in large integrated health care systems, 1996-2010." *JAMA*. 2012 Jun 13;307(22):2400-9. PMID: 22692172
124. Spayne MC, Gard CC, Skelly J, **Miglioretti DL**, Vacek PM, Geller BM. "Reproducibility of BI-RADS breast density measures among community radiologists: A prospective cohort study," *Breast J*. 2012 Jul-Aug;18(4):326-33. Epub 2012 May 21. PMID: 22607064
125. Carney PA, Abraham L, Cook A, Feig SA, Sickles EA, **Miglioretti DL**, Geller BM, Yankaskas BC, Elmore JG. "Impact of an educational intervention designed to reduce unnecessary recall during screening mammography." *Acad Radiol* 2012 Sep;19(9):1114-20. Epub 2012 Jun 23. PMID: 23297329
126. Yasmeen S, Hubbard RA, Romano PS, Zhu W, Geller BM, Onega T, Yankaskas BC, **Miglioretti DL**, Kerlikowske K. "Risk of advanced-stage breast cancer among older women with comorbidities." *Cancer Epidemiol Biomarkers Prev*. 2012 Sep;21(9):1510-9. Epub 2012 Jun 28. PMID: 22744339
127. Geller BM, Bogart A, Carney PA, Elmore J, Monsees BS, **Miglioretti DL**. "Is confidence of mammographic assessment a good predictor of accuracy?" *AJR Am J Roentgenol* 2012 Jul;199(1):W134-41. PMID: 22733922
128. Cook AJ, Elmore JG, Zhu W, Jackson SL, Carney PA, Flowers C, Onega T, Geller B, Rosenberg RD, **Miglioretti DL**. "Mammographic interpretation: radiologists' ability to accurately estimate their performance and compare it with that of their peers". *AJR Am J Roentgenol*. 2012 Sep;199(3):695-702. PMID: 22915414
129. Onega T, Smith M, **Miglioretti DL**, Carney PA, Geller BA, Kerlikowske K, Buist DS, Rosenberg RD, Smith RA, Sickles EA, Haneuse S, Anderson ML, Yankaskas B. "Radiologist agreement for mammographic recall by case difficulty and finding type." *J Am Coll Radiol*. 2012 Nov;9(11):788-94. PMID: 23122345 [Editors choice for *JACR Best Article 2012 - Clinical Practice*] (Re-published in special issue: *J Am Coll Radiol*. 2016 Nov;13(11S):e72-e79. PMID: 27814827)
130. Harvey JA, Gard CC, **Miglioretti DL**, Yankaskas BC, Kerlikowske K, Buist DS, Geller BA, Onega TL. "Reported Mammographic density: film-screen versus digital acquisition." *Radiology*. 2013 Mar;266(3):752-8. Epub 2012 Dec 18. PMID: 23249570
131. Hubbard RA, **Miglioretti DL**. "A semi-parametric censoring bias model for estimating the cumulative risk of a false-positive screening test under dependent censoring." *Biometrics* 2013 Mar;69(1):245-53. Epub 2013 Feb 5. PMID: 23383717
132. Braithwaite D, Zhu W, Hubbard R, O'Meara E, **Miglioretti DL**, Geller B, Dittus K, Moore D, Wernli K, Mandelblatt J, Kerlikowske K. "Screening outcomes in older U.S. women undergoing multiple mammograms in community practice: does interval, age or comorbidity score affect tumor characteristics or false positive rates?" *J Natl Cancer Inst*. 2013 Mar 6;105(5):334-41. Epub 2013 Feb 5. PMID: 23385442
133. Carney PA, Parikh J, Sickles E, Feig SA, Monsees B, Bassett LW, Smith RA, Rosenberg R, Ichikawa L, Wallace J, Tran Khai, **Miglioretti DL**. "Diagnostic mammography: identifying minimally acceptable interpretive performance criteria." *Radiology*. 2013 May;267(2):359-67. Epub 2012 Jun 23. PMC3632803 (**#3 most-downloaded Radiology article in 2013**)
134. **Miglioretti DL**, Johnson E, Williams A, Greenlee RT, Weinmann S, Solberg LI, Feigelson HS, Roblin D, Flynn MJ, Vanneman N, Smith-Bindman R. "The use of computed tomography in pediatrics and the associated radiation exposure and estimated cancer risk." *JAMA Pediatr*. 2013 Aug 1;167(8):700-7. PMCID: PMC3936795
135. Kerlikowske K, Zhu W, Hubbard RA, Geller B, Dittus K, Braithwaite D, Wernli KJ, **Miglioretti DL**, O'Meara ES; Breast Cancer Surveillance Consortium. "Outcomes of screening mammography by

- frequency, breast density, and postmenopausal hormone therapy.” *JAMA Intern Med.* 2013 May 13;173(9):807-16. PMID: 23552817
136. Onega T, Anderson ML, **Miglioretti DL**, Buist DS, Geller B, Bogart A, Smith RA, Sickles EA, Monsees B, Bassett L, Carney PA, Kerlikowske K, Yankaskas BC. “Establishing a gold standard for test sets: variation in interpretive agreement of expert mammographers.” *Acad Radiol.* 2013 Jun;20(6):731-9. PMID: 23664400
137. Houssami N, Abraham LA, Kerlikowske K, Buist DSM, Irwig L, Lee J, **Miglioretti DL**. “Risk factors for second screen-detected or interval breast cancers in women with a personal history of breast cancer participating in mammography screening.” *Cancer Epidemiol Biomarkers Prev* 2013 May;22(5):946-61. Epub 2013 Mar 19. PMID: 23513042
138. Harel O, Chung H, **Miglioretti DL**. “Latent class regression: inference and estimation with two-stage multiple imputation.” *Biometrical Journal* 2013 Jul;55(4):541-53. PMID: 23712802
139. Dittus K, Geller B, Weaver DL, Kerlikowske K, Zhu W, Hubbard R, Braithwaite D, O'Meara ES, **Miglioretti DL**. “Impact of mammography screening interval on breast cancer diagnosis by menopausal status and BMI.” *J Gen Intern Med.* 2013 Jun 13;. [Epub ahead of print] PMID: 23760741
140. Menes TS, Rosenberg R, Balch S, Jaffer S, Kerlikowske K, **Miglioretti DL**. “Upgrade of high-risk breast lesions detected on mammography in the Breast Cancer Surveillance Consortium.” *Am J Surg.* 2014 Jan;207(1):24-31. Epub 2013 Oct 7. PMID: 24112677
141. Schairer C, Li Y, Frawley P, Graubard BI, Wellman RD, Buist DS, Kerlikowske K, Onega TL, Anderson WF, **Miglioretti DL**. Risk Factors for Inflammatory Breast Cancer and Other Invasive Breast Cancers. *J Natl Cancer Inst.* 2013 Sep 18;105(18):1373-1384. PMID: 24046390
142. Cervenka MC, Lesser R, Tran TT, Fortuné T, Muthugovindan D, **Miglioretti DL**. “Does the teddy bear sign predict psychogenic nonepileptic seizures?” *Epilepsy Behav.* 2013 Aug;28(2):217-220 Epub 2013 Jun 14. PMID: 23770681
143. O'Meara ES, Zhu W, Hubbard RA, Braithwaite D, Kerlikowske K, Dittus KL, Geller B, Wernli KJ, **Miglioretti DL**. Mammographic screening interval in relation to tumor characteristics and false-positive risk by race/ethnicity and age. *Cancer.* 2013 Aug 26;119(22):3959-67. PMID: 24037812
144. Roman M, Hubbard RA, Sebuodegard S, **Miglioretti DL**, Castells X, Hofvind S. “The cumulative risk of false positive results in the Norwegian Breast Cancer Screening Program: updated results.” *Cancer.* 2013 Aug 20;119(22):3952-8. PMID: 23963877
145. Carney PA, Bogart A, Sickles EA, Smith R, Buist DS, Kerlikowske K, Onega T, **Miglioretti DL**, Rosenberg R, Yankaskas BC, Geller BM. “Feasibility and acceptability of conducting a randomized clinical trial designed to improve interpretation of screening mammography.” *Acad Radiol.* 2013 Nov;20(11):1389-98. PMID: 24119351
146. Geller BM, Bogart A, Carney PA, Sickles EA, Smith R, Monsees B, Bassett LW, Buist DM, Kerlikowske K, Onega T, Yankaskas BC, Haneuse S, Hill D, Wallis MG, **Miglioretti D**. “Educational interventions to improve screening mammography interpretation: a randomized controlled trial.” *AJR Am J Roentgenol.* 2014 Jun;202(6):W586-96. PMID: 24848854
147. **Miglioretti DL**, Zhang Y, Johnson E, Lee C, Morin RL, Vanneman N, Smith-Bindman R. “Personalized technologist dose audit feedback for reducing patient radiation exposure from CT.” *J Am Coll Radiol.* 2014 Mar;11(3):300-8. PMID: 24589406
148. Keegan J, **Miglioretti DL**, Gould R, Donnelly LF, Wilson ND, Smith-Bindman R. “Radiation Dose Metrics in CT: Assessing Dose Using the National Quality Forum CT Patient Safety Measure.” *Journal of the American College of Radiology.* 2014 3;11(3):309-15.
149. Wernli KJ, O'Meara ES, Kerlikowske K, **Miglioretti DL**, Muller CY, Onega T, Sprague BL, Henderson LM, Buist DSM. “Investigation of mammographic breast density as a risk factor for ovarian cancer.” *J Natl Cancer Inst.* 2014 Jan 1;106(1). Epub 2013 Dec 5. PMID: 24309005
150. Burnside ES, Lin Y, Munoz Del Rio A, Pickhardt PJ, Wu Y, Strigel RM, Elezaby MA, Kerr EA, **Miglioretti, DL**. “Addressing the challenge of assessing physician-level screening performance:

- mammography as an example.” *PLoS One*. 2014;9(2):e89418. PubMed PMID: 24586763. Pubmed Central PMCID: 3931752.
151. Trentham-Dietz A, Sprague BL, Hampton JH, **Miglioretti DL**, Nelson HD, Titus LJ, Egan KM, Remington PL, Newcomb PA. “Modification of breast cancer risk according to age and menopausal status: A combined analysis of five population-based case-control studies.” *Breast Cancer Res Treat*. 2014 May;145(1):165-75. Epub 2014 Mar 20. PMID: 24647890
 152. Stout NK, Lee SJ, Schechter CB, Kerlikowske K, Alagoz O, Berry D, Buist DS, Cevik M, Chisholm G, de Koning HJ, Huang H, Hubbard RA, **Miglioretti DL**, Munsell MF, Trentham-Dietz A, van Ravesteyn NT, Tosteson AN, Mandelblatt JS. “Benefits, harms and costs for breast cancer screening in the US following implementation of digital mammography.” *J Natl Cancer Inst*. 2014;106(6). Epub 2014 May 28. PMID: 24872543
 153. Houssami N, Abraham LA, Onega T, Collins LC, Sprague BL, Hill DA, **Miglioretti DL**. “Accuracy of screening mammography in women with a history of lobular carcinoma in situ or atypical hyperplasia of the breast.” *Breast Cancer Res Treat* 2014 Jun;145(3):765-73. Epub 2014 May 7. PMID: 24800915
 154. Buist DS, Anderson ML, Smith RA, Carney PA, **Miglioretti DL**, Monsees BS, Sickles EA, Taplin SH, Geller BM, Yankaskas BC, Onega TL. “Effect of Radiologists' Diagnostic Work-up Volume on Interpretive Performance.” *Radiology*. 2014 Nov;273(2):351-64. Epub 2014 Jun 24. PMID: 24960110
 155. **Miglioretti DL**, Ichikawa L, Smith RA, Bassett LW, Feig SA, Monsees B, Parikh JR, Rosenberg RD, Sickles EA, Carney PA. “Criteria for identifying radiologists with acceptable screening mammography interpretive performance on basis of multiple performance measures.” *AJR Am J Roentgenol*. 2015 Apr;204(4):W486-91. PMID: 25794100.
 156. Lee CI, Ichikawa L, Rochelle MC, Kerlikowske K, **Miglioretti DL**, Sprague BL, DeMartini WB, Wernli KJ, Joe BN, Yankaskas BC, Lehman CD. Breast MRI BI-RADS Assessments and Abnormal Interpretation Rates by Clinical Indication in US Community Practices. *Acad Radiol*. 2014 Nov;21(11):1370-6. Epub 2014 Aug 7. PMID: 25126973
 157. Smith-Bindman R, Aubin C, Bailitz J, Bengiamin RN, Camargo CA Jr, Corbo J, Dean AJ, Goldstein RB, Griffey RT, Jay GD, Kang TL, Kriesel DR, Ma OJ, Mallin M, Manson W, Melnikow J, **Miglioretti DL**, Miller SK, Mills LD, Miner JR, Moghadassi M, Noble VE, Press GM, Stoller ML, Valencia VE, Wang J, Wang RC, Cummings SR. “Ultrasound versus Computed Tomography for Suspected Nephrolithiasis,” *N Engl J Med*. 2014 Sep 18;371(12):1100-10. PMID: 25229916
 158. Gard CC, Bowles EJA, **Miglioretti DL**, Taplin SH, Rutter CM. “Misclassification of Breast Imaging Reporting and Data System (BI-RADS) mammographic density and implications for breast density reporting legislation.” *Breast J*. 2015 Sep; 21(5):481-9. Epub 2015 Jul 1. PMID: 26133090
 159. Sprague BL, Gangnon RE, Burt V, Trentham-Dietz A, Hampton JM, Kerlikowske K, **Miglioretti DL**. Prevalence of mammographically dense breasts in the United States. *J Natl Cancer Inst*. 2014 Sep 12;106(10). PMID: 25217577
 160. Sprague BL, Stout NK, Schechter C, van Ravesteyn NT, Cevik M, Alagoz O, Lee CI, van den Broek JJ, **Miglioretti DL**, Mandelblatt JS, de Koning HJ, Kerlikowske K, Lehman CD, A Tosteson AN. “Benefits, Harms, and Cost-Effectiveness of Supplemental Ultrasonography Screening for Women With Dense Breasts.” *Ann Intern Med*. Ann Intern Med. 2015 Feb 3;162(3):157-66. Epub 2014 Dec 9. PMID: 25486550
 161. Lee CI, Cevik M, Alagoz O, Sprague BL, Tosteson AN, **Miglioretti DL**, Kerlikowske K, Stout NK, Jarvik JG, Ramsey SD, Lehman CD. “Comparative Effectiveness of Combined Digital Mammography and Tomosynthesis Screening for Women with Dense Breasts.” *Radiology*, 2015 Mar;274(3):772-80. Epub 2014 Oct 28. PMID: 25350548
 162. Johnson JM, Johnson AK, O'Meara ES, Geller BM, **Miglioretti DL**, Frawley P, Hotaling EN, Hershorn SD. “Breast Cancer Detection with Short-Interval Follow-up Compared with Return to

- Annual Screening in Patients with Benign Stereotactic or US-guided Breast Biopsy Results.” *Radiology*, 2015 Apr;275(1):54-60. Epub 2014 Nov 25. PMID: 25423143
163. Kerlikowske K, Zhu W, Tosteson ANA, Sprague BL, Tice JA, Lehman C, **Miglioretti DL**. “Identifying Women with Dense Breasts at High Risk of Interval Cancers.” *Ann Intern Med*. 2015 May 19;162(10):673-81. PMID: 25984843
164. Smith-Bindman R, Moghadassi M, Wilson N, Nelson TR, Boone JM, Cagnon CH, Gould R, Hall DJ, Krishnam M, Lamba R, McNitt-Gray M, Seibert A, **Miglioretti DL**. “Radiation Doses in Consecutive CT Examinations from Five University of California Medical Centers.” *Radiology*. 2015 Oct; 277(1):134-41. Epub 2015 May 19. PMID: 25988262
165. Jackson SL, Abraham L, **Miglioretti DL**, Buist DS, Kerlikowske K, Onega T, Carney PA, Sickles EA, Elmore JG. “Patient and Radiologist Characteristics Associated With Accuracy of Two Types of Diagnostic Mammograms.” *AJR Am J Roentgenol*. 2015 Aug;205(2):456-63. PMID: 26204300
166. Henderson LM, **Miglioretti DL**, Kerlikowske K, Wernli KJ, Sprague BL, Lehman CM. “Breast cancer characteristics associated with digital versus screen-film mammography for screen-detected and interval cancers.” *AJR Am J Roentgenol*. 2015 Sep;205(3):676-684. PMID: 26295657
167. Kerlikowske K, Gard CC, Sprague BL, Tice JA, **Miglioretti DL**. “One vs. Two Breast Density Measures to Predict 5- and 10- Year Breast Cancer Risk.” *Cancer Epidemiol Biomarkers Prev*. 2015 Jun;24(6):889-97. Epub 2015 Mar 30. PMID: 25824444
168. Torres-Mejía G, Smith RA, de la Luz Carranza-Flores M, Bogart A, Bogart A, Martínez-Matsushita L, **Miglioretti DL**, Kerlikowske K, Ortega-Olvera C, Montemayor-Varela E, Angeles-Llerenas A, Bautista-Arredondo S, Sánchez-González G, Martínez-Montañez OG, Uscanga-Sánchez SR, Lazcano-Ponce E, Hernández-Ávila M “Radiographers supporting radiologists in the interpretation of screening mammography: A viable strategy to meet the shortage in the number of radiologists,” *BMC Cancer*. 2015 May 16;15(1):410. PMID: 25975383
169. Bahadori A, **Miglioretti D**, Kruger R, Flynn M, Weinmann S, Smith-Bindman R, Lee C. “Calculation of organ doses for a large number of patients undergoing computed tomography examinations” *AJR Am J Roentgenol*. 2015 Oct; 205(4):827-33. PMID 26397332
170. Smith-Bindman R, Moghadassi M, Griffey R, Mayo-Smith W, **Miglioretti DL**. “Computed Tomography Radiation Dose in Patients with Suspected Urolithiasis.” *JAMA Internal Medicine*. 2015 Aug 1; 175(8):1413-6. PMID 26121191
171. Tice J, **Miglioretti DL**, Li C, Vachon C, Gard C, Kerlikowske K. “Breast density and benign breast disease: Risk assessment to identify women at high risk of breast cancer.” *J Clin Oncol*. 2015 Oct 1; 33(28):3137-43. Epub 2015 Aug 17. PMID: 26282663
172. Onega T, Goldman L, Walker RL, **Miglioretti DL**, Buist DSM, Taplin T, Geller BM, Hill DA, Smith-Bindman R. “Facility Mammography Volume in Relation to Breast Cancer Screening Outcomes.” *J Med Screen*. *J Med Screen*. 2016 Mar;23(1):31-7. Epub 2015 Aug 11. PMID: 26265482
173. **Miglioretti DL**, Zhu W, Kerlikowske K, Sprague BL, Onega T, Buist DSM, Henderson LM, Smith RA, Breast Cancer Surveillance Consortium. “Breast Tumor Prognostic Characteristics and Biennial vs Annual Mammography, Age, and Menopausal Status.” *JAMA Oncol*. 2015 Nov 1;1(8):1069-77. PMID: PMC4644100
174. Lehman C, Wellman RD, Buist DSM, Kerlikowske K, Tosteson ANA, **Miglioretti DL**, Breast Cancer Surveillance Consortium. “Diagnostic Accuracy of Digital Screening Mammography with and without Computer-aided Detection.” *JAMA Internal Medicine*. 2015 Sep 28;1-10. PMID: 26414882
175. Nelson HD, O’Meara ES, Kerlikowske K, Balch S, **Miglioretti D**. “Factors affecting the rates and consequences of false positive and false negative digital mammography screening exams: An analysis of registry data.” *Ann Intern Med*. 2016 Feb 16;164(4):226-35. Epub 2016 Jan 12. PMID: 26756902

176. **Miglioretti DL**, Lang J, van den Broek JJ, Lee CI, van Ravesteyn N, Ritley D, Kerlikowske K, Fenton JJ, Melnikow J, de Koning HJ, Hubbard RA, “Radiation-Induced Breast Cancer Incidence and Mortality from Digital Mammography Screening: A Modeling Study.” *Ann Intern Med*. 2016 Feb 16;164(4):205-14. Epub 2016 Jan 12. PMC4644100
177. Melnikow J, Fenton JJ, Whitlock EP, **Miglioretti DL**, Weyrich MS, Thomposon JH, Shah K. “Supplemental Screening for Breast Cancer in Women with Dense Breasts: A Systematic Review for the U.S. Preventive Services Task Force.” *Ann Intern Med*. 2016 Feb 16;164(4):268-78. Epub 2016 Jan 12. PMID: 26757021
178. Mandelblatt JS, Stout NK, Schechter CB, van den Broek JJ, **Miglioretti DL**, Krapcho M, Trentham-Dietz A, Munoz D, Lee SJ, Berry DA, van Ravesteyn NT, Alagoz O, Kerlikowske K, Tosteson AN, Near AM, Hoeffken A, Chang Y, Heijnsdijk EA, Chisholm G, Huang X, Huang H, Ergun MA, Gangnon R, Sprague BL, Plevritis S, Feuer E, de Koning HJ, Cronin KA. “Collaborative Modeling of the Benefits and Harms Associated With Different U.S. Breast Cancer Screening Strategies.” *Ann Intern Med*. 2016 Feb 16;164(4):215-25. Epub 2016 Jan 12. PMID: 26756606
179. Melnikow J, Xing G, Cox G, Leigh P, Mills L, **Miglioretti DL**, Moghadassi M, Smith-Bindman R. “Cost Analysis of the STONE Trial: Can Healthcare Costs be Reduced One Test at a Time?” *Med Care*. 2016 Apr;54(4):337-42. PMID: 26759975
180. Hubbard RA, Ripping TM, Chubak J, Broeders MJ, **Miglioretti DL**. “Statistical methods for estimating the cumulative risk of screening mammography outcomes.” *Cancer Epidemiol Biomarkers Prev*. 2016 Mar;25(3):513-20. Epub 2015 Dec 31. PMID: 26721668; PMC4779749
181. Menes TS, Kerlikowske K, Lange J, Jaffer S, Rosenberg R, **Miglioretti DL**. “Subsequent breast cancer risk following diagnosis of atypical ductal hyperplasia on needle biopsy” *JAMA Oncol*. 2017 Jan 1;3(1):36-41. Epub 2016 Sept 8. PMID: 27607465.
182. Elmore JG, Cook AJ, Bogart A, Carney PA, Geller BM, Taplin SH, Buist DS, Onega T, Lee CI, **Miglioretti DL**. “Radiologists' interpretive skills in screening vs. diagnostic mammography: are they related?” *Clin Imaging*. 2016 Nov - Dec;40(6):1096-1103. Epub 2016 Jul 1. PMID: 27438069
183. Smith-Bindman R, Wang Y, Yellen-Nelson TR, Moghadassi M, Wilson N, Gould R, Seibert A, Boone JM, Krishnam M, Lamba R, Hall DJ, **Miglioretti DL**. “Predictors of CT Radiation Dose and Their Effect on Patient Care: A Comprehensive Analysis Using Automated Data.” *Radiology*. 2017 Jan;282(1):182-193. Epub 2016 Jul 20. PMID: 27438166
184. Trentham-Dietz A, Kerlikowske K, Stout NK, **Miglioretti DL**, Schechter CB, Ergun MA, van den Broek JJ, Alagoz O, Sprague BL, van Ravesteyn NT, Near AM, Gangnon RE, Hampton JM, Chandler Y, de Koning HJ, Mandelblatt JS, Tosteson AN; Breast Cancer Surveillance Consortium and Cancer Intervention and Surveillance Modeling Network. “Tailoring Breast Cancer Screening Intervals by Breast Density and Risk for Women Aged 50 Years or Older: Collaborative Modeling of Screening Outcomes.” *Ann Intern Med*, 2016 Nov 15;165(10):700-712. Epub 2016 Aug 23. PMID: 27548583
185. Sherman ME, Ichikawa L, Pfeiffer RM, **Miglioretti DL**, Kerlikowske K, Tice J, Vacek PM, Gierach GL. “Relationship of Predicted Risk of Developing Invasive Breast Cancer, as Assessed with Three Models, and Breast Cancer Mortality Among Breast Cancer Patients.” *PLOS One*, 2016 Aug 25;11(8):e0160966. PMID: 27560501
186. Marcus PM, Pashayan N, Church TR, Doria-Rose VP, Gould MK, Hubbard RA, Marrone M, **Miglioretti DL**, Pharoah PD, Pinsky PF, Rendle KA, Robbins HA, Roberts MC, Rolland B, Schiffman M, Tiro JA, Zauber AG, Winn DM, Khoury MJ. “Population-based precision cancer screening: a symposium on evidence, epidemiology, and next steps.” *Cancer Epidemiol Biomarkers Prev*. 2016 Nov;25(11):1449-1455. Epub 2016 Aug 9. PMID: 27507769
187. Lehman CD, Arao R, Sprague BL, Lee JM, Buist DSM, Kerlikowske K, Henderson LM, Onega T, Tosteson ANA, Rauscher GH, **Miglioretti DL**. “National Performance Benchmarks for Modern Screening Digital Mammography: Update from the Breast Cancer Surveillance Consortium,” *Radiology*. 2017 Apr;283(1):49-58. Epub 2016 Dec 5. PMID: 27918707

188. Sprague BL, Arao R, **Miglioretti DL**, Henderson LM, Buist DSM, Onega T, Rauscher GH, Lee JM, Tosteson ANA, Kerlikowske K, Lehman CD. "National Performance Benchmarks for Modern Diagnostic Digital Mammography: Update from the Breast Cancer Surveillance Consortium." *Radiology*. 2017 Apr;283(1):59-69. Epub 2017 Feb 28. PMID: 28244803
189. Kerlikowske K, Gard CC, Tice JA, Ziv E, Cummings SR, **Miglioretti DL**. Risk Factors That Increase Risk of Estrogen Receptor–Positive and –Negative Breast Cancer. *J Natl Cancer Inst*. 2016 Dec 31;109(5). Print 2017 May. PMID: 28040694
190. Engmann NJ, Golmakani MK, **Miglioretti DL**, Sprague BL, Kerlikowske K, "Population-Attributable Risk Proportion of Clinical Risk Factors for Breast Cancer," *JAMA Oncol*. 2017 Sep 1;3(9):1228-1236. PMID: 28152151
191. Ahern TP, Sprague BL, Bissell M, **Miglioretti DL**, Buist DSM, Braithwaite D, Kerlikowske K. "Family history of breast cancer, breast density, and breast cancer risk in a U.S. breast cancer screening population." *Cancer Epidemiol Biomarkers Prev*. 2017 Jun;26(6):938-944. Epub 2017 Jan 17. PMID:28096200
192. Engmann NJ, Scott C, Jensen MR, Ma L, Brandt KR, Mahmoudzadeh A, Malkov S, Whaley DH, Hruska C, Wu FF, Winham S, **Miglioretti DL**, Norman AD, Heine J, Shepherd J, Pankratz VS, Vachon CM, Kerlikowske K. Longitudinal changes in volumetric breast density with tamoxifen and aromatase inhibitors. *Cancer Epidemiol Biomarkers Prev*. 2017 Jun;26(6):930-937. Epub 2017 Feb PMID: 28148596
193. Demb J, Chu P, Nelson T, Hall D, Seibert A, Lamba R, Boone J, Krishnam M, Cagnon C, Bostani M, Gould R, **Miglioretti D**, Smith-Bindman R. "Optimizing Radiation Doses for Computed Tomography Across Institutions: Dose Auditing and Best Practices." *JAMA Intern Med*. 2017 Jun 1;177(6):810-817. PMID: 28395000
194. Lee JM, Ichikawa L, Valencia E, **Miglioretti DL**, Wernli K, Buist DSM, Kerlikowske K, Henderson LM, Sprague BL, Onega T, Rauscher GH, Lehman CD. "Performance benchmarks for screening breast MRI in community practice." *Radiology*. 2017 Oct;285(1):44-52. Epub 2017 Jun 5. PMID: 28582633
195. **Miglioretti DL**, Ichikawa L, Smith R, Buist DSM, Carney PA, Geller B, Monsees B, Onega T, Rosenberg R, Sickles EA, Yankaskas B, Kerlikowske K. "Correlation between screening mammography interpretive performance on a test set and performance in clinical practice." *Acad Radiol*. 2017 Oct;24(10):1256-1264. Epub 2017 May 24. PMID: 28551400
196. Kerlikowske K, Ma L, Scott CG, Mahmoudzadeh AP, Jensen MR, Sprague BL, Henderson LM, Pankratz VS, Cummings SR, **Miglioretti DL**, Vachon CM, Shepherd JA. "Combining quantitative and qualitative breast density measures to assess breast cancer risk." *Breast Cancer Res*. 2017 Aug 22;19(1):97. PMID: 28830497
197. Shiyabola OO, Arao RF, **Miglioretti DL**, Sprague BL, Hampton JM, Stout NK, Kerlikowske K, Braithwaite D, Buist DSM, Egan KM, Newcomb PA, Trentham-Dietz A. "Emerging Trends in Family History of Breast Cancer and Associated Risk." *Cancer Epidemiol Biomarkers Prev*. 2017 Dec;26(12):1753-1760. Epub 2017 Oct 6. PMID: 28986348
198. Winer RL, Tiro JA, **Miglioretti DL**, Thayer C, Beatty T, Lin J, Gao H, Kimbel K, Buist DSM. "Rationale and design of the HOME trial: A pragmatic randomized controlled trial of home-based human papillomavirus (HPV) self-sampling for increasing cervical cancer screening uptake and effectiveness in a U.S. healthcare system." *Contemp Clin Trials*. 2018 Jan;64:77-87. Epub 2017 Nov 4. PMID: 29113956
199. Braithwaite D, **Miglioretti DL**, Zhu W, Demb J, Trentham-Dietz A, Sprague B, Tice JA, Onega T, Henderson LM, Buist DSM, Ziv E, Walter LC, Kerlikowske K, Breast Cancer Surveillance Consortium. Family History and Breast Cancer Risk Among Older Women in the Breast Cancer Surveillance Consortium Cohort. *JAMA Intern Med*. 2018 Apr 1;178(4):494-501. Epub 2018 Feb 13. PMID: 29435563

200. Mandelblatt JS, Near AM, **Miglioretti DL**, Munoz D, Sprague BL, Trentham-Dietz A, Gangnon R, Kurian AW, Weedon-Fekjaer H, Cronin KA, Plevritis SK. "Common Model Inputs Used in CISNET Collaborative Breast Cancer Modeling, *Med Decis Making*. 2018 Apr;38(1_suppl):9S-23S. PMID: 29554466
201. Kerlikowske K, Scott GG, Mahmoudzadeh A, Ma L, Winham S, Jensen MR, Wu FF, Malkov S, Pankratz VS, Cummings SR, Shepherd J, Brandt KR, **Miglioretti DL**, Vachon CM. Automated and clinical BI-RADS breast density measures predict risk of screen-detected and interval cancers. *Ann Intern Med*. 2018 Jun 5;168(11):757-765. Epub 2018 May 1. PMID: 29710124
202. Lee JM, Abraham L, Lam DL, Buist DSM, Kerlikowske K, **Miglioretti DL**, Houssami H, Lehman CD, Henderson LM, Hubbard RA. Cumulative Risk Distribution for Interval Invasive Second Breast Cancers after Negative Surveillance Mammography. *J Clin Oncol*. 2018 Jul 10;36(20):2070-2077. Epub 2018 May 2. PMID: 29718790
203. Emmons KM, Doubeni CA, Fernandez ME, **Miglioretti DL**, Samet JM. National Institutes of Health Pathways to Prevention Workshop: Methods for Evaluating Natural Experiments in Obesity. *Ann Intern Med*. 2018 Jun 5;168(11):809-814. Epub 2018 May 1. PMID: 29710235
204. Lee CI, Zhu W, Onega TL, Germino J, O'Meara ES, Lehman CD, Henderson LM, Haas JS, Kerlikowske K, Sprague BL, Rauscher GH, Tosteson ANA, Alford-Teaster J, Wernli KJ, **Miglioretti DL**. The Effect of Digital Breast Tomosynthesis Adoption on Facility-Level Breast Cancer Screening Volume. *AJR Am J Roentgenol*. 2018 Nov;211(5):957-963. Epub 2018 Sep 20. PMID: 30235000.
205. *Wang Y, Tancredi D, **Miglioretti DL**. Joint Indirect Standardization when Only Marginal Distributions are Observed in the Index Population, *J Am Stat Assoc.*, 2018 Oct 09 [Epub ahead of print]
206. Smith-Bindman R, Poder L, Johnson E, **Miglioretti DL**. Risk of Malignant Ovarian Cancer Based on Ultrasonography Findings in a Large Unselected Population. *JAMA internal medicine*. 2019;179(1):71-7. Epub 2018/11/13. PubMed PMID: 30419104.
207. Tiro JA, Betts AC, Kimbel K, Buist DSM, Mao C, Gao H, Shulman L, Malone C, Beatty T, Lin J, Thayer C, **Miglioretti DL**, Winer RL. Understanding patients' perspectives and information needs following a positive home HPV self-sampling kit result. *J Womens Health (Larchmt)*. 2018 Nov 27. [Epub ahead of print] PMID:30481121
208. Smith-Bindman R, Wang Y, Chu P, Chung R, Einstein AJ, Balcombe J, Cocker M, Das M, Delman BN, Flynn M, Gould R, Lee RK, Yellen-Nelson T, Schindera S, Seibert A, Starkey J, Suntharalingam S, Wetter A, Wildberger JE, **Miglioretti DL**. International variation in radiation dose for computed tomography examinations: prospective cohort study. *British Medical Journal*. Epub 2019 Jan 2. *BMJ*. 2019 Jan 2;364:k4931. PMID:30602590
209. Sprague BL, Kerlikowske K, Bowles EJA, Rauscher GH, Lee CI, Tosteson ANA, **Miglioretti DL**. Trends in clinical breast density assessment from the Breast Cancer Surveillance Consortium, *J Natl Cancer Inst*. 2019 Jan 8. [Epub ahead of print] PMID: 30624682
210. *Arasu VA, **Miglioretti DL**, Sprague B, Alsheik N, Buist D, Henderson L, Herschorn S, Lee J, Onega T, Rauscher Garth, Wernli K, Lehman C, Kerlikowske K. Population-Based Assessment of the Association Between Magnetic Resonance Imaging Background Parenchymal Enhancement and Future Primary Breast Cancer Risk. *J Clin Oncol*. 2019 Jan 9;JCO1800378. [Epub ahead of print] PMID: 30625040
211. Tice JA, Bissell MCS, **Miglioretti DL**, Gard CC, Rauscher GH, Dabbous FM, Kerlikowske K. Validation of the breast cancer surveillance consortium model of breast cancer risk. *Breast Cancer Res Treat*. 2019. Epub 2019/02/24. PubMed PMID: 30796654.
212. **Miglioretti DL**, Abraham L, Lee CI, Buist SM, Herschorn S, Sprague BL, Henderson LM, Tosteson ANA, Kerlikowske K, Breast Cancer Surveillance Consortium. "Digital Breast Tomosynthesis: Radiologist Learning Curve, *Radiology*, 2019 Feb 26 [Epub ahead of print]

213. Lee JM, Arao RF, Sprague BL, Kerlikowske K, Lehman CD, Smith RA, Henderson LM, Rauscher GH, **Miglioretti DL**. Performance of Screening Ultrasonography as an Adjunct to Screening Mammography in Women Across the Spectrum of Breast Cancer Risk. *JAMA Internal Medicine*. 2019. Epub 2019/03/19. PubMed PMID: 30882843.
214. Doria-Rose VP, Greenlee RT, Buist DSM, **Miglioretti DL**, Corley DA, Brown JS, Clancy HA, Tuzzio L, Moy LM, Hornbrook MC, Brown ML, Ritzwoller DP, Kushi LH, Greene SM, Collaborating on Data, Science, and Infrastructure: The 20-Year Journey of the Cancer Research Network. *eGEMs (Generating Evidence & Methods to improve patient outcomes)*, 2019 7(1): 7, pp. 1–11. DOI: <https://doi.org/10.5334/egems.273>
215. Reed SC, Bell JF, **Miglioretti DL**, Nekhlyudov L, Fairman N, Joseph JG. Relationships between fear of cancer recurrence and lifestyle factors among cancer survivors. *J Cancer Educ* 2019 March 16 [Epub ahead of print]
216. Kerlikowske K, Sprague BL, Tosteson ANA, Wernli KJ, Rauscher GH, Johnson D, Buist DSM, Onega T, Henderson LM, O’Meara ES, **Miglioretti DL**. Strategies to Identify Women at High Risk of Advanced Breast Cancer During Routine Screening for Discussion of Supplemental Imaging. *JAMA Internal Medicine*. 1 July 2019. [Epub ahead of print]
217. Wernli KJ, Ichikawa K, Kerlikowske K, Buist DSM, Brandzel SD, Bush M, Johnson D, Henderson LM, Nekhlyudov L, Onega T, Sprague BL, Lee JM, Lehman C, **Miglioretti DL**. “Surveillance breast MRI and mammography performance measures in women with a personal history of breast cancer.” *Radiology*. 2019 Jun 4:182475. [Epub ahead of print] PMID: 31161975
218. Engmann NJ, Scott C, Jensen MR, Winham SJ, Ma L, Brandt KR, Mahmoudzadeh A, Whaley DH, Hruska C, Wu FF, Norman AD, Hiatt RA, Heine J, Shepherd J, Pankratz VS, **Miglioretti DL**, Kerlikowski K, Vachon CM. “Longitudinal changes in volumetric breast density in healthy women across the menopausal transition.” *Cancer Epidemiol Biomarkers Prev*. 2019 Jun 11. PMID: 31186265 [Epub ahead of print]
219. Kerlikowke K, **Miglioretti DL**, Vachon CM. Breast Density Information for Primary Care Providers to Facilitate Discussions of Dense Breasts, Breast Cancer Risk and Screening Choices in 2019, *JAMA*. 2019 May 31. [Epub ahead of print]
220. Henderson LM, Ichikawa L, Buist DSM, Lee JM, Bush M, Johnson D, Onega T, Nekhlyudov L, Kerlikowske K, **Miglioretti DL**, Sprague BL, Wernli KJ. “Patterns of Breast Imaging Use among Women with a Personal History of Breast Cancer.” *JGIM*, In Press.
221. Engmann NJ, Scott CG, Jensen MR, Winham S, **Miglioretti DL**, Ma L, Brandt K, Mahmoudzadeh A, Whaley DH, Hruska C, Wu F, Norman AD, Hiatt RA, Heine J, Shepherd J, Pankratz VS, Vachon CM, Kerlikowske K. “Combined effect of volumetric breast density and body mass index on breast cancer risk.” *Breast Cancer Res Treat*. 2019 May 25. [Epub ahead of print]
222. **Kwan ML, ****Miglioretti DL**, Marlow EC, Bowles EJA, Weinmann S, Cheng SY, Deosaransingh KA, Chavan P, Moy LM, Bolch W, Duncan JR, Greenlee RT, Kushi LH, Pole JD, Rahm AK, Stout NK, Smith-Bindman R. “Trends in medical imaging during pregnancy from 1996-2016 in the United States and Ontario, Canada: The Radiation-Induced Cancers Study.” *JAMA Netw Open., In Press*

PUBLICATIONS UNDER REVIEW

1. *Golmakani M, Hubbard R, **Miglioretti DL**. “Censoring Bias Model for Estimating the Cumulative Risk of Multiple False Positive Screening Tests in the Presence of Competing Risks.” *J Am Stat Assoc*, In review
2. *Demb J, Abraham L, **Miglioretti DL**, Sprague BL, O’Meara ES, Advani S, Henderson LM, Onega T, Buist DSM, Schousboe JT, Walter LC, Kerlikowske K, Braithwaite D. “Screening outcomes among older women undergoing mammography: effect of comorbidity and age on risk of breast cancer and non-breast cancer death,” *Journal of the National Cancer Institute*, In Revision.

3. Demb J, Chu P, Yu S, Whitebird R, Solberg L, **Miglioretti DL**, Smith-Bindman R. “Factors That Influence Radiation Doses Used For Lung Cancer Screening: Analysis of Data From a US Dose Registry.” *JAMA Internal Medicine*. In Revision.
4. Buist DSM, Tiro J, Thayer C, Beatty T, **Miglioretti DL**, Lin J, Winer RL. “Improving the promise of embedded pragmatic trials: examples of surmountable barriers encountered in the HOME trial.” In review

PEER-REVIEWED TECHNICAL REPORTS

1. **Miglioretti DL**, Lange J, van Ravesteyn N, van den Broek JJ, Lee CI, Melnikow J, Fenton J, Kerlikowske K, Ritley D, de Koning HJ, Hubbard RA. Radiation-Induced Breast Cancer and Breast Cancer Death From Mammography Screening [Abstract]. Rockville, MD: Agency for Healthcare Research and Quality, AHRQ Publication No. 14-05201-EF-5. 2015. [updated 4/2015]. Available at: <http://www.uspreventiveservicestaskforce.org/Page/Document/modeling-report-radiation-induced-breast-cancer-and-breast-c/breast-cancer-screening1>
2. Mandelblatt J, Cronin K, de Koning HJ, **Miglioretti DL**, Schechter C, Stout NC. Collaborative Modeling of U.S. Breast Cancer Screening Strategies. Rockville, MD: Agency for Healthcare Research and Quality: AHRQ Publication No. 14-05201-EF-4. 2015 [updated 4/2015]. Available from: <http://www.uspreventiveservicestaskforce.org/Page/Document/modeling-report-collaborative-modeling-of-us-breast-cancer-1/breast-cancer-screening1>
3. Melnikow J, Fenton J, **Miglioretti DL**, Whitlock E, Weyrich M. Screening for Breast Cancer With Digital Breast Tomosynthesis. Rockville, MD: Agency for Healthcare Research and Quality; 2015. AHRQ Publication No. 14-05201-EF-2 [updated 4/2015]. PMID: 26866207 Available from: <http://www.uspreventiveservicestaskforce.org/Page/Document/draft-evidence-review-screening-for-breast-cancer-with-digit/breast-cancer-screening1>
4. Melnikow J, Fenton J, Whitlock E, **Miglioretti DL**, Weyrich M, Thompson J, Shah K. Adjunctive Screening for Breast Cancer in Women With Dense Breasts: A Systematic Review for the U.S. Preventive Services Task Force. Rockville, MD: Agency for Healthcare Research and Quality; 2015. AHRQ Publication No. 14-05201-EF-2 [updated 4/2015; accessed 9/2/2015]. Available from: <http://www.uspreventiveservicestaskforce.org/Page/Document/draft-evidence-review-adjunctive-screening-for-breast-cancer/breast-cancer-screening1>
5. Emmons K, Doubeni CA, Fernandez ME, **Miglioretti DL**, Samet JM. National Institutes of Health Pathways to Prevention Workshop: Methods for Evaluating Natural Experiments in Obesity. Panel Report. Available from: https://prevention.nih.gov/docs/p2p/P2P_Obesity_Panel_Report_Final.pdf

BOOKS AND BOOK CHAPTERS

1. Gordon B, Boatman D, Hart Jr J, **Miglioretti D**, Lesser R. Direct Cortical Electrical Interference (stimulation). In: Berndt RS, ed. *Language & Aphasia, Handbook of Neuropsychology*. Vol 3. 2nd ed: Elsevier Science; 2001:375-391.
2. Houssami N, **Miglioretti D**. *Breast Cancer Screening: An Examination of Scientific Evidence*. Elsevier, 2016.
3. **Miglioretti DL**, Alonzo TA, Obuchowski NA. Introduction to Biostatistical Methods. In: *Handbook for Clinical Trials of Imaging and Image-Guided Interventions*: Wiley, 2016.

OTHER PUBLICATIONS (PROCEEDINGS, 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. Boatman D, Eberwein C, **Miglioretti D**, Alidoost M, & Reich S. "Evaluation of bedside tests of hearing," *Neurology*. 2001;56(Suppl 3):30.
3. Elmore JG, **Miglioretti DL**, Carney PA. "Does practice make perfect when interpreting mammography? Part II," Editorial, *J Natl Cancer Inst*. 2003;95:250-2.
4. **Miglioretti DL**, Kerlikowske K, "Effects of breast augmentation on accuracy of mammography—Reply letter," *JAMA*. 2004;291:2073-4.
5. Kerlikowske K, **Miglioretti DL**, "Effects of estrogen-only treatment in postmenopausal women—Letter to the editor," *JAMA*. 2004;292:685-6.
6. Yankaskas BC, Schell MJ, **Miglioretti DL**, "Recall and detection rates in screening mammography—Letter to the editor," *Cancer*. 2004;101(11):2710-1.
7. 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.
8. 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.
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.rsnajnl.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](https://www.healthmanagement.org)-The Journal, 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. Ragusa S, Gauthier E, Dartois L, Tice J, Dancourt V, Arveux P, Brixi Z, Bernoux A, Soyer P, Delattre H, Brechenade S, Catajar N, Kaufmanis A, Hélin VM, Clavel F, Kerlikowske K, **Miglioretti D**, Delalogue S. Abstract P2-06-05: Development and validation of a new non-parametric breast cancer risk assessment model on US and European screening populations. *Cancer Research*. 2017;77(4 Supplement):P2-06-5-P2--5.
33. **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
34. 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.
35. Smith-Bindman R, **Miglioretti D**. Lack of Standardized Terminology in Ultrasound Reports for Ovarian Cysts-Reply. *JAMA Intern Med*. 2019 Jun 1;179(6):848-849. PMID: 31157851

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 talked 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 opening 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 2015-2019)
- 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)
- Adam Furst (UCD Biostatistics 2019)

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)
- Adam Furst (UCD Biostatistics 2019)

Masters Student (Chair of Committee)

- Zhuo (Tracy) Zhang (UW Biostatistics 2003-2004)
- Eunyoung 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, 2015-2019)
- Adam Furst (UCD, 2017-present)

FUNDING HISTORY**Current Grants/Contracts**

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

NIH/NCI P01 CA154292

Principal Investigators: Diana Miglioretti, Karla Kerlikowske, Anna Tosteson

Updated 7/18/2019

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 – 05/31/20

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.

“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

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.

“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.

“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

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

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

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

“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