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EDUCATION

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| 1992 | University of California, Santa Barbara, California; B.A. Biological Sciences |
| 1995 | Yale School of Medicine, Department of Epidemiology and Public Health, New Haven, Connecticut; M.P.H. with honors in Epidemiology |
| 1999 | University of Washington, School of Public Health; Department of Epidemiology, Seattle, Washington; Ph.D. |

PROFESSIONAL POSITIONS

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| 1992-1993 | Behavioral Sciences Research Assistant, American Institutes for Research, Palo Alto, California |
| 1992-1993 | Behavioral Sciences Research Assistant, Veterans Administration's Homeless Veterans Domiciliary, Menlo Park, California |
| 1994 | American Schools of Public Health Epidemiology Intern, Maternal and Child Health Division, Centers for Disease Control, National Center for Health Statistics, Hyattsville, Maryland |
| 1994-1995 | Teaching Assistant, Principles of Epidemiology Course I and II, Yale School of Medicine, Department of Epidemiology and Public Health, New Haven, Connecticut |
| 1995-1996 | Research Assistant, Cardiovascular Health Study, Coordinating Center, Seattle, Washington |
| 1996-2001 | Research Associate I (09/96 – 06/99), Research Associate II (06/99 – 09/00), Research Associate III (09/00 – 10/01) Group Health* Center for Health Studies, Seattle, Washington |
| 2001-2005 | Assistant Scientific Investigator, Group Health* Center for Health Studies, Seattle, Washington |
| 2005-2010 | Associate Scientific Investigator, Group Health Research Institute* (formerly Center for Health Studies), Seattle, Washington |
| 2002-2007 | Affiliate Assistant Professor, Department of Epidemiology, School of Public Health, University of Washington, Seattle, Washington |
| 2004-present | Affiliate Member, Division of Public Health Sciences, Fred Hutchinson Cancer Research Center, Seattle, Washington |

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

- 2007-2011 Affiliate Associate Professor, Department of Epidemiology, School of Public Health, University of Washington, Seattle, Washington
- 2009-2011 Affiliate Associate Professor, Department of Health Services, School of Public Health, University of Washington, Seattle, Washington
- 2010-present Senior Scientific Investigator, Kaiser Permanente Washington Health Research Institute, Kaiser Foundation Health Plan of Washington,* Seattle, Washington
- 2011-present Affiliate Professor, Department of Health Services, School of Public Health, University of Washington, Seattle, Washington
- 2011-present Affiliate Professor, Department of Epidemiology, School of Public Health, University of Washington, Seattle, Washington
- 2014-2015 Senior Scholar in Residence, AcademyHealth, Washington DC
- 2016-present Director of Research and Strategic Partnerships, Kaiser Permanente Washington Health Research Institute,* Seattle, Washington

NATIONAL COMMITTEES

- 2013-present Overuse Measurement Advisory Panel, National Committee for Quality Assurance
- 2014 Veterans Administration, Next Generation Clinical Performance Measures: Patient-Centered, Clinically Meaningful and High-Value.
- 2015 Chair, Institute of Medicine workshop: Assessing and Improving Imaging Interpretation in Breast Cancer Screening, Washington, DC
- 2015-2017 Member, Committee on Advocacy and Public Policy, AcademyHealth
- 2015-2018 Member, Health Services Research Information Advisory Committee, AcademyHealth and the Cecil G. Sheps Center for Health Services Research at University of North Carolina, Chapel Hill, for the National Information Center on Health Services Research and Health Care Technology at the National Library of Medicine
- 2016-present Steering Committee for Defining Patient-Centered Metrics for Low-Value Care for AcademyHealth and the American Board of Internal Medicine Foundation
- 2016-present Member, Advisory Committee for the AcademyHealth-ABIM Foundation Low Value Care Research Community

OTHER EXPERIENCE

- 1991-1992 Health Educator, University of California, Santa Barbara, California
- 1993-1994 Adolescence Substance Abuse Prevention Educator, Yale School of Medicine, New Haven, Connecticut

- 1994 Epidemiologic consultant for the Chief of Neurology, West Haven Veterans Administration, New Haven, Connecticut
- 1999 National Cancer Institute: Fundamentals of Grant Writing for Cancer Control Science Workshop participant. American Society of Preventive Oncology. Houston, Texas
- 2000 Society for Epidemiologic Research Course: "Molecular Genetics in Epidemiologic Studies." Seattle, Washington.
- 2000-2002 Statistical and Analytic Consultant, University of Washington, School of Nursing, Seattle, Washington
- 2002 Scientific Writing Seminar, Group Health Center for Health Studies, Seattle, Washington
- 2004 Preparing to Lead Leadership Class, University of Washington, Seattle, Washington
- 2006-2008 Co-Chair, Breast Cancer Surveillance Consortium
- 2011-2012 Co-Chair, Breast Cancer Surveillance Consortium
- 2012 Office of Behavioral and Social Sciences Research, Training Institute for Dissemination and Implementation in Health, San Jose, CA
- 2012 University of Washington's Institute of Translational Health Sciences Small Pilot grant review
- 2012 American Society of Preventive Oncology Meeting Planning Committee
- 2012-2013 University of Washington School of Public Health, Department of Health Services PhD admissions committee
- 2014 Chair, "Health Care Resource Utilization – Trends, Influencers, Impact: What do we need to know" sponsored by AcademyHealth and American Board of Internal Medicine Foundation, Washington, DC
- 2015 Visiting Professor, University of North Carolina, Chapel Hill School of Public Health
- 2015 Susan G. Komen Foundation. Big Data and Breast Cancer Working Group.
- 2015-present Microseed Scientific Advisory Board
- 2015-present Athena WISDOM Study Data Safety and Monitoring Board
- 2016 NCI, Healthcare Delivery Research Program planning a workshop to discuss strategies for improving investigator capacity to conduct research in healthcare delivery settings.
- 2016 Learning from Successes and Failures of Low-Value Care Programs and Interventions. AcademyHealth and the ABIM Foundation Research Community on Low-Value Care
- 2016 Board Member, The Science Ambassador Scholarship funded by Cards Against Humanity

- 2017- VBID Health Task Force on Low-Value Care
- 2017 International Working Group on Risk Assessment and Strategies for Breast Cancer Screening and Prevention, sponsored by the Breast Cancer Research Foundation and the American Cancer Society
- 2018 AcademyHealth Annual Research Meeting Planning Committee
- 2018 American Society of Preventive Oncology Meeting Planning Committee

HONORS AND AWARDS

- 1994 Centers for Disease Control and Prevention, American Schools of Public Health, Epidemiology Intern
- 1995 M.P.H. with honors in Epidemiology, Yale School of Medicine, Department of Epidemiology and Public Health, New Haven, Connecticut
- 1997 Presenter, Student Workshop, Society for Epidemiologic Research, Edmonton, Alberta
- 1998-1999 Huckabay Teaching Fellowship recipient, University of Washington, Seattle, Washington
- 2009 Featured article on Radiology Select podcast (2009): Elmore JG, Jackson SL, Abraham L, Miglioretti DL, Carney PA, Geller BM, Yankaskas BC, Kerlikowske K, Onega T, Rosenberg RD, Sickles EA, **Buist DSM**. Variability in interpretive performance at screening mammography and radiologists' characteristics associated with accuracy. *Radiology*. 2009 December; 253(3): 641–651. PMID: PMC2786197.
- 2009 Featured article on *Radiology Select* podcast (2009): Miglioretti DL, Gard CC, Carney PA, Onega T, **Buist DSM**, Sickles EA, Kerlikowske K, Rosenberg RD, Yankaskas BC, Geller BM, Elmore JG. "When radiologists perform best: The learning curve in screening mammography interpretation," *Radiology*. 2009 Dec;253(3):632-40. PMID: PMC2786195
- 2011 Featured article on *Radiology Select* podcast (2011): **Buist DSM**, Anderson ML, Haneuse SJPA, Sickles EA, Smith RA, Carney PA, Taplin SH, Rosenberg RD, Geller BM, Onega T, Monsees B, Bassett LW, Yankaskas BC, Elmore JG, Kerlikowske K, Miglioretti DL. Influence of annual interpretive volume on screening mammography performance in the United States. *Radiology*. 2011 April; 259(1):72–84. PMID: PMC3064821
- 2012 Editor's Choice for 2012 in the Clinical Practice category in the *Journal of the American College of Radiology*: Onega T, Smith M, Miglioretti DL, Carney P, Geller B, Kerlikowske K, **Buist DS**, Rosenberg R, Smith R, Sickles EA, Haneuse S, Anderson ML, Yankaskas B. Radiologist agreement for mammographic recall by case difficulty and finding type. *J Am College Rad*. 2012;9(11): 788-794.
- 2012 Office of Behavioral and Social Sciences Research, Training Institute for Dissemination and Implementation in Health Selected Trainee, San Jose, CA

2014 2014 Herbert M. Stauffer Award for **Best Clinical Paper** for your outstanding manuscript published in *Academic Radiology* in the year 2013. Onega T, Anderson ML, Miglioretti DL, **Buist DSM**, 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. PMC3741406.

OTHER PROFESSIONAL ACTIVITIES

Membership

1995-2010 Society for Epidemiologic Research
1999-present American Society for Preventive Oncology
2002-present American Association for Cancer Research
2012-present AcademyHealth

Professional Society Activities

1999 Co-Founder, American Society for Preventive Oncology's Junior Members Group
2000 American Society for Preventive Oncology, Organizer for Junior Members Sessions: "Cancer Prevention Career Promoters: Becoming Independent Scientists." Bethesda, Maryland
2001 American Society for Preventive Oncology, Organizer for Junior Members Sessions: "Work Cycle Regulators – preventing uncontrolled growth of duties by finding balance, learning how and when to say no, and avoiding common pitfalls" and "Get funded! A close look at the NIH Study Section"; and "www.networking: The How To Guide." New York, New York
2001 International Epidemiology Congress, Organizer for Career Development Sessions, "Behind Closed Doors: What really happens to your grant in NIH study section review?" And "Getting Published: The How To's" Toronto, Canada
2003 American Society for Preventive Oncology, Organizer for Junior Members Sessions: Scientific Writing – Key Concepts and Common Errors" and "The Peer Review Process – Revealed," Philadelphia, Pennsylvania
2004-2012 American Society for Preventive Oncology Board of Directors

Referee

1999- Reviewer, Preventive Medicine
2000- Reviewer, Cancer Causes and Control
2000- Reviewer, Cancer, Epidemiology, Biomarkers, and Prevention
2000- Reviewer, Journal of the American Geriatrics Society
2000- Reviewer, Health Education and Behavior
2000- Reviewer, American Journal of Preventive Medicine
2000- Reviewer, Medical Care
2001- Reviewer, Journal of Clinical Epidemiology
2001 Reviewer, Quarterly Medical Journal (UK)
2004 Reviewer, Experimental Biology and Medicine
2004 Reviewer, Natural Clinical Practice Oncology
2005- Reviewer, American Journal of Epidemiology
2005- Reviewer, Journal of General Internal Medicine
2006- Reviewer, Journal American Medical Association

2006-	Reviewer, Journal National Cancer Institute
2008-2014	Editorial Board, Cancer, Epidemiology, Biomarkers, and Prevention
2013	Reviewer, The Breast
2013	Reviewer, The American Journal of Managed Care
2014-	Reviewer, eGEMS
2018	Reviewer, Aging

PEER-REVIEW STUDY SECTIONS

1. NIH Health Services Organization and Delivery (HSOD): February 2009; June 2009; June 2010; October 2011, June 2012; February 2015
2. Susan G. Komen Foundation. January 2009
3. NIH Special Emphasis Panel: ZRG1 IMSTJ 15, June 2011
4. NIH Special Emphasis Panel: ZRG1 HDMQ 54, May 2011
5. PCORI Scientific Reviewer for Improving Infrastructure for Conducting Patient-Centered Outcomes Research, November 2013
6. AcademyHealth New Investigator Small Grant Program, November 2014
7. Office of Behavioral and Social Sciences Research, Training Institute for Dissemination and Implementation in Health Application Review; March 2013, March 2014
8. Shanghai Ministry of Health, Grant Review, October 2011
9. Institute of Translational Health Sciences, University of Washington, Pilot Projects, December 2012
10. Patient Centered Outcomes Research Institute, Cycle 3 2015 Broads and PCS Merit Review, May 2016, April 2018
11. AcademyHealth New Investigator Small Grant Program
12. NIH Smoking Cessation within the Context of Lung Cancer Screening RFA-CA-15-011, April 2016
13. The Donaghue Foundation Great Value grant portfolio, 2016-present.
14. NIH Dissemination and Implementation Research in Health study section, February 2017.
15. Robert Wood Johnson Foundation, Health Data for Action: Leveraging Health Data for Actionable Insights, July 2017

AWARDED PEER-REVIEWED PUBLICATIONS

1. Editor's Choice in the Clinical Practice category in the 9(11) issue of Journal of the American College of Radiology: Onega T, Smith M, Miglioretti DL, Carney P, Geller B, Kerlikowske K, **Buist DS**, Rosenberg R, Smith R, Sickles EA, Haneuse S, Anderson ML, Yankaskas B. Radiologist agreement for mammographic recall by case difficulty and finding type. J Am College Rad. 2012;9(11): 788-794. PMC3653418.
2. Featured article on RADIOLOGY Select podcast Volume 4 (2013): **Buist DSM**, Anderson ML, Haneuse SJPA, Sickles EA, Smith RA, Carney PA, Taplin SH, Rosenberg RD, Geller BM, Onega T, Monsees B, Bassett LW, Yankaskas BC, Elmore JG, Kerlikowske K, Miglioretti DL. Influence of annual interpretive volume on screening mammography performance in the United States. Radiology. 2011 April; 259(1):72-84. PMC3064821.

3. Featured article on RADIOLOGY Select podcast Volume 4 (2013): Elmore JG, Jackson SL, Abraham L, Miglioretti DL, Carney PA, Geller BM, Yankaskas BC, Kerlikowske K, Onega T, Rosenberg RD, Sickles EA, **Buist DSM**. Variability in interpretive performance at screening mammography and radiologists' characteristics associated with accuracy. *Radiology*. 2009 December; 253(3): 641–651. PMC2786197.
4. Featured article on Radiology Select podcast Volume 4 (2013): Miglioretti DL, Gard CC, Carney PA, Onega T, **Buist DSM**, Sickles EA, Kerlikowske K, Rosenberg RD, Yankaskas BC, Geller BM, Elmore JG. When radiologists perform best: The learning curve in screening mammography interpretation. *Radiology*. 2009 Dec;253(3):632-40. PMID: PMC2786195.

PEER-REVIEWED PUBLICATIONS

1. **Buist DSM**, LaCroix AZ, Newton KM, Keenan NL. Are long-term hormone replacement therapy users different from short-term and never users? *Am J Epidemiol* 1999;149(3):275-81.
2. Anderson LA, Caplan LS, **Buist DSM**, Newton KM, Curry SJ, Scholes D, LaCroix AZ. Perceived barriers and recommendations concerning hormone replacement therapy counseling among primary care providers. *Menopause*. 1999 Summer;6(2):161-6..
3. Keenan NL, Anderson LA, LaCroix AZ, Newton KM, **Buist DS**. Helping women achieve long-term continuance of menopausal estrogen replacement therapy (ERT) and hormone replacement therapy(HRT). *Menopause*. 1999 Summer;6(2):179-80.
4. LaCroix AZ, Newton KM, **Buist DSM**, Curry SJ, Scholes D, Anderson LA, Keenan NL. A population-based strategy for improving informed decision-making about hormone replacement therapy in managed care settings. *Women's Health Issues* 1999;9:306-18.
5. Chan KA, Andrade SE, Boles M, **Buist DSM**, Chase GA, Donahue JG, Goodman MJ, Gurwitz JH, LaCroix AZ, Platt R. Inhibitors of hydroxymethylglutaryl-coenzyme A reductase and risk of fracture among older women. *J Am Geriatr Soc*. 2000 Sep;48(9):1126-31.
6. **Buist DSM**, LaCroix AZ, Black DM, Harris F, Blank J, Ensrud K, Edgerton D, Rubin S, Fox KM. Inclusion of older women in randomized clinical trials: factors associated with taking study medication in the fracture intervention trial. *J Am Geriatr Soc* 2000; 48(9):1126-31.
7. **Buist DSM**, LaCroix AZ, Barlow WE, White E, Weiss NS. Bone mineral density and breast cancer risk in postmenopausal women. *J Clin Epidemiol*. 2001 Apr;54(4):417-22.
8. **Buist DSM**, LaCroix AZ, Barlow WE, White E, Bauer D, Cauley JA, Weiss NS. Bone mineral density and endogenous hormones and risk of breast cancer in postmenopausal women (United States). *Cancer Causes Control*. 2001 Apr;12(3):213-22.
9. Phelan EA, **Buist DSM**, Anderson LA, Newton KM, Delaney KM, LaCroix AZ. Understanding attitudes of older women toward hormone replacement therapy. *Prev Med*. 2001 Jan;32(1):49-56.
10. Barlow WE, Taplin S, Yoshida C, **Buist DSM**, Seger D, Brown M. A cost comparison of mastectomy versus breast conserving therapy for early-stage breast cancer. *J Natl Cancer Inst*. 2001 Mar 21;93(6):447-55.

11. Newton KM, LaCroix AZ, **Buist DSM**, Anderson LA, Delaney KM. What factors account for differences for hormone replacement therapy prescribing frequency? *Maturitas*. 2001 Jul 25;39(1):1-10.
12. Donahue JG, Chan KA, Andrade SE, Beck A, Boles M, **Buist DSM**, Carey VJ, Chandler JM, Chase GA, Ettinger B, Fishman P, Goodman M, Guess HA, Gurwitz JH, LaCroix AZ, Levin TR, Platt R. Gastric and duodenal safety of daily alendronate. *Maturitas*. 2001 Jul 25;39(1):1-10.
13. Andrade SE, Gurwitz JH, Chan KA, Donahue JG, Beck A, Boles M, **Buist DSM**, Goodman M, LaCroix AZ, Levin TR, Platt R. Validation of diagnoses of peptic ulcers and bleeding from administrative databases: a multi-health maintenance organization study. *Maturitas*. 2001 Jul 25;39(1):1-10.
14. Newton KM, LaCroix AZ, **Buist DSM**, Delaney KM, Anderson LA. Women's responses to a mailed hormone replacement therapy workbook. *Menopause*. 2001 Sep-Oct;8(5):361-7.
15. Green BB, McAfee T, Hindmarsh M, Madsen L, Caplow M, **Buist DSM**. Effectiveness of telephone support in increasing physical activity levels in primary care patients. *Am J Prev Med*. 2002 Apr;22(3):177-83.
16. *Putnam KG, **Buist DS**, Fishman P, Andrade SE, Boles M, Chase GA, Goodman MJ, Gurwitz JH, Platt R, Raebel MA, Chan KA. Chronic disease score as a predictor of hospitalization. *Epidemiology*. 2002 May;13(3):340-6.
17. Newton KM, **Buist DSM**, Keenan NL, Anderson LA, LaCroix AZ. Use of alternative therapies for menopause symptoms: results of a population-based survey. *Obstet Gynecol*. 2002 Jul;100(1):18-25. Erratum in: *Obstet Gynecol* 2003 Jan;101(1):205.
18. **Buist DSM**, LaCroix AZ, Manfredonia D, Abbott T. Identifying postmenopausal women at high fracture risk in populations: a comparison of three strategies. *J Am Geriatr Soc*. 2002 Jun;50(6):1031-8.
19. Andrade SE, Majumdar, SR, Chan KA, **Buist DSM**, Go AS, Goodman M, Smith DH, Platt R, Gurwitz JH. Low frequency of treatment of osteoporosis among postmenopausal women following a fracture. *Arch Intern Med*. 2003 Sep 22;163(17):2052-7.
20. Brenneiman SK, LaCroix AZ, **Buist DSM**, Chen YT, Abbott TA III. Evaluation of decision rules to identify postmenopausal women for intervention related to osteoporosis. *Dis Manag*. 2003 Fall;6(3):159-68.
21. Field TS, Cernieux J, **Buist DSM**, Geiger A, Lamerato L, Hart G, Bachman D, Krajenta R, Greene S, Hornbrook MC, Ansell G, Herrinton L, Reed G. Retention of enrollees following a cancer diagnosis within health maintenance organizations in the Cancer Research Network. *J Natl Cancer Inst* 2004;96:148-152.
22. Kerlikowske K, Miglioretti DL, Ballard-Barbash R, Weaver DL, **Buist DSM**, Barlow WE, Cutter G, Geller BM, Yankaskas B, Taplin SH, Carney PA. Prognostic characteristics of breast cancer among postmenopausal hormone users in a screening population. *J Clin Oncol*. 2003 Dec 1;21(23):4314-21.
23. Taplin SH, Ichikawa L, **Buist DSM**, Seger D, White E. Evaluating organized breast cancer screening implementation: the prevention of late stage disease? *Cancer Epidemiol Biomarkers Prev*. 2004 Feb;13(2):225-34.

24. **Buist DSM**, LaCroix AZ, Brenneman SK, Abbott T 3rd. A population-based osteoporosis screening program: who does not participate and what are the consequences? *J Am Geriatr Soc.* 2004 Jul;52(7):1130-7.
25. *Casso D, **Buist DSM**, Taplin SH. Quality of life of 5-10 year breast cancer survivors diagnosed between age 40 and 49. *Health Qual Life Outcomes.* 2004 May 18;2:25. PMC437638.
26. *Oestreicher N, Lehman CD, Seger DJ, **Buist DSM**, White E. The incremental contribution of clinical breast examination to invasive cancer detection in a mammography screening program. *AJR Am J Roentgenol.* 2005 Feb;184(2):428-32.
27. **Buist DSM**, Anderson ML, Taplin SH, LaCroix AZ. The relationship between breast density and bone mineral density in postmenopausal women. *Cancer Epidemiol Biomarkers Prev.* 2004 Jul;13(7):1094-8.
28. **Buist DSM**, Porter PL, Lehman C, Taplin SH, White E. Factors contributing to mammography failure in women aged 40-49 years. *J Natl Cancer Inst.* 2004 Oct 6;96(19):1432-40.
29. **Buist DSM**, 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 Pt 1):1042-50.
30. *Aiello EJ, **Buist DSM**, White E, Seger D, Taplin SH. Rate of breast cancer diagnoses among post-menopausal women with self-reported breast symptoms. *J Am Board Fam Pract.* 2004 Nov-Dec;17(6):408-15.
31. White E, Miglioretti DL, Yankaskas BC, Geller BM, Rosenberg RD, Kerlikowske K, Saba L, Vacek PM, Carney PA, **Buist DSM**, Oestreicher N, Barlow W, Ballard-Barbash R, Taplin SH. Biennial versus annual mammography and the risk of late-stage breast cancer. *J Natl Cancer Inst.* 2004 Dec 15;96(24):1832-9.
32. *Aiello EJ, **Buist DSM**, White E, Porter PL. Association between mammographic breast density and breast cancer tumor characteristics. *Cancer Epidemiol Biomarkers Prev.* 2005 Mar;14(3):662-8.
33. LaCroix AZ, **Buist DSM**, Brenneman S, Abbott T. Evaluation of three population-based strategies for fracture prevention: results of the osteoporosis population-based risk assessment (OPRA) trial. *Med Care.* 2005 Mar;43(3):293-302.
34. El-Bastawissi AY, Aiello EJ, **Buist DSM**, Taplin SH. Previous pregnancy outcome and breast density (United States). *Cancer Causes Control.* 2005 May;16(4):407-17.
35. Newton KM, **Buist DSM**, 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. PMC1490092.
36. *Young LE, Cunningham SL, **Buist DSM**. Lone mothers are at higher risk for cardiovascular disease compared to partnered mothers. Data from the National Health and Nutrition Examination Survey III (NHANES III). *Health Care Women Int.* 2005 Aug;26(7):604-21.

37. Field TS, **Buist DSM**, Doubeni C, Enger S, Fouayzi H, Hart G, Korner EJ, Lamerato L, Bachman DJ, Ellis J, Herrinton L, Hornbrook MC, Krajenta R, Liu L, Yao J. Disparities and survival among breast cancer patients. *J Natl Cancer Inst.* 2004 Dec 15;96(24):1832-9.
38. Wei F, Miglioretti DL, Connelly MT, Andrade SE, Newton KM, Hartsfield CL, Chan KA, **Buist DSM**. Changes in women's use of hormones after the Women's Health Initiative estrogen and progestin trial by race, education, and income. *J Natl Cancer Inst Monogr.* 2005;(35):106-12.
39. Hartsfield CL, Connelly MT, Newton KM, Andrade SE, Wei F, **Buist DSM**. Health system responses to the Women's Health Initiative findings on estrogen and progestin: organizational response. *J Natl Cancer Inst Monogr.* 2005;(35):113-5.
40. *Boudreau DM, **Buist DSM**, Rutter CM, Fishman PA, Beverly KR, Taplin S. Impact of hormone therapy on false-positive recall rates and costs among women undergoing screening mammography. *Med Care.* 2006 Jan;44(1):62-9.
41. Weaver DL, Rosenberg RD, Barlow WE, Ichikawa L, Carney PA, Kerlikowske K, **Buist DSM**, Geller BM, Key CR, Maygarden SJ, Ballard-Barbash R. Pathologic findings from the Breast Cancer Surveillance Consortium: population-based outcomes in women undergoing biopsy after screening mammography. *Cancer.* 2006 Feb 15;106(4):732-42.
42. Hass JS, Geller B, Miglioretti DL, **Buist DSM**, Nelson DE, Kerlikowske K, Carney PA, Breslau ES, Dash S, Canales MK, Ballard-Barbash R. Changes in the newspaper coverage about hormone therapy with the release of new medical evidence. *J Gen Intern Med.* 2006 Apr;21(4):304-9. Epub 2006 Feb 22. PMC1484740.
43. *Boudreau DM, Rutter CM, **Buist DS**. The influence of statin use on breast density. *Cancer Epidemiol Biomarkers Prev.* 2006 May;15(5):1026-9. PMC2066203.
44. Geller BM, Ichikawa L, **Buist DSM**, Sickles EA, Carney P, Yankaskas B, Dignan M, Kerlikowske K, Yabroff KR, Barlow W, Rosenberg R. Improving the concordance of mammography assessment and management recommendations. *Radiology.* 2006 Oct;241(1):67-75.
45. Rosenberg RD, Yankaskas BC, Abraham L, Sickles EA, Lehman C, Geller BM, Carney PA, Kerlikowske K, **Buist DSM**, Weaver D, Barlow WE, Ballard-Barbash R. Performance benchmarks for screening mammography. *Radiology.* 2006 Oct;241(1):55-66.
46. *Aiello EA, **Buist DSM**, White E. Do breast cancer risk factors modify the association between hormone therapy and mammographic breast density? (United States) *Arch Intern Med.* 2006 Dec 11-25;166(22):2469-77.
47. *Crest AB, Aiello EJ, Anderson ML, **Buist DSM**. Varying levels of family history of breast cancer in relation to mammographic breast density (United States). *Cancer Epidemiol Biomarkers Prev.* 2006 May;15(5):1026-9.
48. Barlow WE, White E, Ballard-Barbash, Vacek PM, Titus-Ernstoff ET, Carney PA, Tice JA, **Buist DSM**, Geller BM, Rosenberg R, Yankaskas BC, Kerlikowske K. Prospective breast cancer risk prediction model among women undergoing screening mammography. *J Natl Cancer Inst.* 2006 Sep 6;98(17):1204-14.
49. Enger SM, Thwin SS, **Buist DSM**, Field T, Frost F, Geiger AM, Lash TL, Prout M, Yood MU, Wei F, Silliman RA. Breast cancer treatment among older women in integrated health care settings. *J Clin Oncol.* 2006 Sep 20;24(27):4377-83. PMC1913483.

50. Tice JA, Kanaya A, Hue T, Rubin S, **Buist DSM**, LaCroix A, Lacey JV, Cauley JA, Litwack S, Brinton LA, Bauer DC. Risk factors for mortality in middle-aged women. *Arch Intern Med*. 2006 Dec 11-25;166(22):2469-77.
51. **Buist DSM**, Aiello EJ, Miglioretti DM, White E. Mammographic breast density, dense area and breast area by phase in the menstrual cycle. *Cancer Epidemiol Biomarkers Prev*. 2006 Nov;15(11):2303-6.
52. Doubeni CA, Field TA, **Buist DSM**, Korner EJ, Bigelow C, Lamerato L, Herrinton L, Quinn VP, Hart G, Hornbrook MC, Gurwitz JH, Wagner EH. Racial differences in tumor stage and survival for colorectal cancer in an insured population. *Cancer*. 2007 Feb 1;109(3):612-20.
53. Carney PA, Abraham LA, Miglioretti DL, Yabroff KR, Sickles EA, **Buist DSM**, 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.
54. Geiger AM, Thwin SS, Lash TL, **Buist DSM**, Prout MN, Wei F, Field TS, Yood MU, Frost FJ, Enger SM, Silliman RA. Recurrences and second primary breast cancers in older women with initial early-stage disease. *Cancer*. 2007 Mar 1;109(5):966-74.
55. Haas JS, Miglioretti DL, Geller B, **Buist DSM**, Nelson DE, Kerlikowske K, Carney PA, Dash S, Breslau ES, Ballard-Barbash R. Average household exposure to newspaper coverage about the harmful effects of hormone therapy and population-based declines in hormone therapy use. *J Gen Intern Med*. 2007 Jan;22(1):68-73. PMC1824785.
56. Lash TL, Fox MP, Thwin SS, Geiger AM, **Buist DSM**, Wei F, Field TS, Yood MU, Frost FJ, Quinn VP, Prout MN, Silliman RA. Using probabilistic corrections to account for abstractor agreement in medical record reviews. *Am J Epidemiol*. 2007 Jun 15;165(12):1454-61. Epub 2007 Apr 3.
57. Kerlikowske K, Ichikawa L, Miglioretti DL, **Buist DSM**, Vacek PM, Smith-Bindman R, Yankaskas B, Carney PA, Ballard-Barbash R; National Institutes of Health 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.
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4. Kerlikowske K, Sprague BL, Tosteson ANA, Wernli KJ, Rauscher GH, Johnson D, **Buist DSM**, Onega T, Henderson LM, O'Meara ES, Miglioretti DL. Identifying Women at High-Risk of Advanced Breast Cancer for Discussion of Supplemental Imaging. Under review: *JNCI*.
5. **Buist DSM**, Tiro JA, Thayer C, Beatty T, Miglioretti DL, Lin J, Winer RL. Improving the promise of embedded pragmatic trials: examples of surmountable barriers encountered an evaluation of home-based HPV screening to increase cervical cancer screening in overdue women. Under review: *J Clin Epidemiol*.

EDITORIALS AND LETTERS TO THE EDITOR

1. Mandelblatt J, **Buist DS**. The elusive goal of maintaining population cancer screening: it is time for a new paradigm. *J Natl Cancer Inst.* 2010 Jul 21;102(14):998-9. Epub 2010 Jun 29. (Editorial)
2. Hubbard R, Kerlikowske K, **Buist DSM**, Yankaskas B for the Breast Cancer Surveillance Consortium. Evaluation of breast cancer screening strategies must be based on comparison of harms and benefits [Letter]. *AJR Am J Roentgenol.* 2011 Oct;197(4):W793.
3. Kerlikowske K, **Buist DSM**, Walker R. Re: Declines in invasive breast cancer and use of postmenopausal hormone therapy in a screening mammography population. *J Natl Cancer Inst.* 2007;99:6-1817.
4. Gao H, **Buist DSM**, Lash TL, Bosco JL, Swihart B. Lasagna plots made in different (statistical) ovens. *Epidemiology.* 2012 Nov;23(6):934.
5. Chubak J, Yu O, **Buist DSM**, Wirtz HS, Boudreau DM. Time scale in follow-up studies: considering disease prognosis. *Epidemiology.* 2013 Jul;24(4):628-9.

6. Carrell DS, Halgrim S, Tran DT, **Buist DS**, Chubak J, Chapman WW, Savova G. Carrell et al. respond to "Observational research and the EHR". *Am J Epidemiol*. 2014;179(6):762-3.
7. Houssami N, Lee CI, Buist DSM, Tao D. Artificial intelligence for breast cancer screening: Opportunity or hype? *Breast*. 2017 Dec;36:31-33. doi:10.1016/j.breast.2017.09.003. Epub 2017 Sep 20.
8. Brentnall AR, **Buist DSM**, Cuzick J. Long-term accuracy of breast cancer risk assessment combining classic risk factors and breast density – Authors' reply. In press: *JAMA Oncology*.
9. Brentnall AR, **Buist DSM**, Cuzick J. Competing Risks for a Diagnosis of Invasive Breast Cancer—Reply. *JAMA Oncology*. 2018 Nov. doi:10.1001/jamaoncol.2018.5102

OTHER PUBLICATIONS

1. **Buist DSM**, LaCroix AZ, Newton KM, Keenan NL. Long-term HRT users. *Menopause Digest*. 2000;12:210-21.
2. Chang S, **Buist DSM**, Reid M, Terry MB, Trentham-Dietz A. The characteristics and training of professionals in cancer prevention and control: a survey of the American Society for Preventive Oncology (ASPO). *Cancer Epidemiol Biomarkers Prev*. 2004;13:1094-8.
3. **Buist DSM**, Kanetsky PA, Studts JL, Li L, Terry MB, Trentham-Dietz A, Chang S. Recruiting and training leadership through professional societies: a report from the American Society of Preventive Oncology Junior Career Development Interest Group. *Cancer Epidemiol Biomarkers Prev*. 2006;15:1422-24.
4. Trentham-Dietz A, **Buist DSM**, Kelley KM, Jacobson JS, Paskett E for the ASPO Survivorship Interest Group. Charting a strategic direction for the American Society of Preventive Oncology's Survivorship Interest Group. *Cancer Epidemiol Biomarkers Prev*. 2007;16:1912-3.
5. Geiger AM, Strom SS, Demark-Wahnefried W, **Buist DSM**. Strategies to maximize the competitiveness of cancer survivorship grant applications. *Cancer Epidemiol Biomarkers Prev*. 2008;17:2899-2900.
6. Hudson SV, Chubak J, Coups EJ, Blake-Gumbs L, Jacobsen PB, Neugut AI, **Buist DSM**. Identifying key questions to advance research and practice in cancer survivorship follow-up care: a report from the ASPO Survivorship Interest Group. *Cancer Epidemiol Biomarkers Prev*. 2009 Jul;18(7):2152-4.
7. Cook AJ, Onega TL, Shui X, Kirilin BA, **Buist D**. PS2-36: Influence of travel time on the receipt of surveillance mammograms for women with history of breast cancer. *Clin Med Res*. 2010 March; 8(1): 35. PMC2842362.
8. Yankaskas B, Haneuse S, Kapp JM, Geller BM, **Buist DSM**. Response to Eisinger. *J Natl Cancer Inst*. 2010 Nov 17;102(22):1742; author reply 1742, 1742-3. Epub 2010 Oct 21.
9. Palesh O, Demark-Wahnefried W, Mustian K, Minasian L, Rowland J, Sprod L, Janelsins M, Peppone L, Sloan J, Engquist KB, Jones L, **Buist D**, Paskett ED. Conducting cancer control and survivorship research via cooperative groups: a report from the American Society of Preventive Oncology. *Cancer Epidemiol Biomarkers Prev*. 2011 May;20(5):1050-5. Epub 2011 Apr 18. PMC3124556.

10. Nichols HB, Sprague BL, **Buist DS**, Erwin DO, Leach CR, Patrick H. Careers in cancer prevention: what you may not see from inside your academic department-a report from the American Society of Preventive Oncology's Junior Members Interest Group. *Cancer Epidemiol Biomarkers Prev.* 2012 Aug;21(8):1393-5. Epub 2012 Jun 13.
11. **Buist DSM**, Tuzzio L, Greenlee R, Field T, Williams A, Weinmann S, Stout N, Kamineni A, Doubeni C. PS1-33: Cancer screening guideline development, implementation and dissemination: connection points for researchers and health care delivery systems for comparative effectiveness research. *Clin Med Res.* 2012 Aug;10(3):157. PMC342132.
12. Chubak J, Kamineni A, **Buist DSM**, Anderson ML, Whitlock EP. Aspirin use for the prevention of colorectal cancer: an updated systematic evidence review for the U.S. Preventive Services Task Force.; Rockville (MD): Agency for Healthcare Research and Quality (US); 2015 Sep. Report No.: 15-05228-EF-1. U.S. Preventive Services Task Force Evidence Syntheses, formerly Systematic Evidence Reviews.

BOOK CHAPTERS

Newton KM, LaCroix AZ, **Buist DSM**. Overview of Risk Factors for Cardiovascular Disease. Chapter 59 in Women and Health. MB Goldman and MC Hatch (eds). Academic Press 1999.

PUBLISHED POLICY BRIEFS

Buist DSM, Collado M. Promoting the Appropriate Use of Health Care Services: Research and Policy Priorities. June 2014. Sponsored by American Board of Internal Medicine Foundation and AcademyHealth.

SELECTED PUBLISHED ABSTRACTS

1. **Buist DSM**, LaCroix AZ, Newton KM. Long-term hormone replacement therapy (HRT) users: Are they different and why do they Persist? *Am J Epidemiol.* 1997;145:S1.
2. Newton KM, LaCroix AZ, **Buist DSM**. Do providers encourage HRT use for women at high risk of coronary disease? A focus on attitudes and prescribing behaviors. *Circulation (suppl).* 1997;96:131.
3. LaCroix AZ, Newton KM, **Buist DSM**, Keenan NL, Anderson LA. What factors account for differences in HRT prescribing by healthcare providers in a health maintenance organization? The EnPower Provider Survey. *Menopause.* 1997;4:262.
4. Anderson LA, Caplan LS, **Buist DSM**, Newton KM, Curry S, LaCroix AZ. Counseling about HRT: Perceived barriers and recommendations among primary care providers. *Menopause.* 1997;4:263.
5. Newton KM, Anderson LA, LaCroix AZ, **Buist DSM**, Keenan NL. Healthcare provider characteristics and encouragement to use HRT: the EnPower provider survey. *Menopause.* 1997;4:263.
6. Newton KM, LaCroix AZ, **Buist DSM**, Neenan NL. The use of alternative and complementary medicine by women enrolled in an HMO setting. *Menopause.* 1998;4:263.
7. **Buist DSM**, LaCroix AZ, Barlow WE, White E, Cauley JA, Bauer DC, Weiss NS. Bone mineral density, endogenous hormones, and risk of postmenopausal breast cancer. *Cancer Epidemiol Biomarkers Prev.* 2000;9:235.

8. **Buist DSM**, LaCroix AZ, Barlow WE, White E, Cauley JA, Bauer DC, Weiss NS. Bone mineral density, endogenous hormones, and risk of postmenopausal breast cancer. *Am J Epidemiol.* 2000;151:S31.
9. Park A, **Buist D**, Taplin S. Mammography participation among low-income women in a staff model HMO. *Cancer Epidemiol Biomarker Prev.* 2002;11:1173s.
10. Fuller S, Pardee R, Chang E, Gundersen G, Reid RJ, Handley MR, **Buist DS**. Choosing Wisely: Using the EHR to identify variability in provider ordering behavior for high-end imaging of the head. *J Patient-Centered Res Rev.* 2015;2:96.
11. **Buist DS**, Handley MR, Chang E, Pardee R, Gundersen G, Cheadle A, Reid RJ. Primary care provider perspectives on reducing low-value care. *J Patient-Centered Res Rev.* 2015;2:124

COMPLETED RESEARCH GRANTS (as Principal Investigator or Co-Investigator)

1. Co-Investigator: Bone Density, Endogenous Hormones & Breast Cancer Risk, 1997-1999. (Principal Investigator: Andrea LaCroix). Dissertation R03 Funded by the National Cancer Institute. GH direct costs: \$49,999. % Effort: 35%.
2. Co-Investigator (Site Principal Investigator): Alendronate and GI Bleeding, Perforation, and Ulcers - a Collaborative Study in Nine HMO's, 1997-1999. Funded by Merck & Co. Inc (Principal Investigator: Richard Platt). GH direct costs: \$74,455. % Effort: 15%.
3. Co-Investigator: A Study to Compare the Effectiveness of Two Risk Based Osteoporosis Prescreening Instruments. Funded by Merck & Co. Inc. 1997-2002. (Principal Investigator, Andrea LaCroix). Direct costs: \$450,064. % Effort: 20%.
4. Co-Investigator (Site Principal Investigator): Epidemiologic Study of the Incidence of Gastric and Duodenal Perforations, Ulcers and Bleeds in Women with Osteoporosis, 1998-1999. Funded by Merck & Co. Inc (Principal Investigator: Richard Platt). GH direct costs: \$40,331. % Effort: 15%.
5. Co-Investigator (Site Principal Investigator): Bone Mineral Density & Subsequent Cancer Risk, MQ015453. Funded by the National Cancer Institute 2000-2004. (Principal Investigator, Douglas Bauer). GH direct costs: \$64,771. % Effort: 10%.
6. Principal Investigator: Breast Cancer Surveillance in a Defined Population. CA63731. U01 Funded by the National Cancer Institute, 2000-2005. Direct costs: \$3,320,156. % Effort: 25%
7. Co-Investigator (Site Principal Investigator). Modeling US Prostate Cancer Trends: PSA, Treatment and Race. CA088160 Funded by National Cancer Institute. (Principal Investigator Ruth Etzioni.) 2000-2010 GH Direct Costs: \$44,861. % Effort: 4%
8. Co-Investigator (*Project leader*): HRT Initiation and Cessation Following Results from the Women's Health Initiative. CA79689. Funded by the National Cancer Institute (supplement to U19) (Principal Investigator, Edward Wagner), 2002-2004. Direct costs: \$150,418. % Effort: 10%.
9. Principal Investigator: Optimizing Breast Cancer Outcomes: BMI, Tumor Markers, and Quality of Care. Clinical Research Training Grant 03-024-01-CCE. Funded by the American Cancer Society, 2003-2006. Direct costs: \$375,432. % Effort: 42%.

10. Co-Investigator (Site Principal Investigator): Breast Cancer Treatment Effectiveness in Older Women. CA093772. R01 funded by the National Cancer Institute (Principal Investigator, Rebecca Silliman), 2003-2007. GH direct costs: \$312,666. % Effort: 17%.
11. Co-Investigator. The HMO Cancer Research Network (CRN) – Infrastructure. CA79689. U19 Funded by the National Cancer Institute. 2003-2007. (Principal Investigator: Edward Wagner). GH Direct costs: \$8,065,123. % Effort 5% (Year 4 only)
12. Principal Investigator: A Population-Based Randomized Trial to Assess the Effects of Short-Term Cessation of HRT on Mammography Assessments and Breast Density. DOD17-03-1-0447. Idea Award funded by the Department of Defense, 2003-2008. Direct costs: \$1,041,096. % Effort: 17%.
13. *Co-Investigator: Statin Use and the Risk of Site-Specific Cancers. CA108357. R03 Funded by the National Cancer Institute. (Principal Investigator, Denise Boudreau). 2004-2007. GH direct costs: \$100,000. % Effort: 3%
14. Co-Investigator (Site Principal Investigator): Gene copy number changes in breast cancer survival. CA098415. R01 Funded by the National Cancer Institute (Principal Investigator, Peggy Porter). 2004-2010. Direct costs: \$1,445,019. % Effort 4%.
15. Co-Investigator. Understanding Variability in Community Mammography. CA107623. R01 Funded by the National Cancer Institute and Agency for Healthcare Quality. (Principal Investigator, Joann Elmore). 2004-2010. GH Direct costs: \$691,971. % Effort 5%.
16. Co-Investigator (Site Principal Investigator): Effects of Aspirin on Biomarkers of Breast Cancer Risk. P50 CA083636. Funded Avon Foundation Breast Cancer Prevention Research Initiative 2004-2006. (Principal Investigator: Nicole Urban). GH Direct Costs: \$286,843. % Effort: 5%.
17. Principal Investigator: Breast Cancer Surveillance in a Defined Population bridge funding. CA63731. U01 Funded by the National Cancer Institute, 4/2005-7/2005. Direct costs: \$67,659. % Effort: 15%.
18. Co-Investigator (*Project leader*): Diffusion of hormone therapy between 1999-2003. CA79689. Funded by the National Cancer Institute (supplement to U19) (Principal Investigator, Edward Wagner), 2005-2006. Direct costs: \$89,241. % Effort: 5%.
19. Principal Investigator: Breast Cancer Surveillance in a Defined Population. CA063731. U01 Funded by the National Cancer Institute, 2005-2011. Direct costs: \$1,310,037. % Effort: 15%.
20. Co-Investigator (Site Principal Investigator): Is Stroke a Late Effect of Chemotherapy? R01 CA121303 funded by the National Cancer Institute (Principal Investigator: Ann Geiger), 2006. GH direct costs: \$19,648. % Effort: 5%.
21. Principal Investigator. A Population-Based Randomized Trial to Assess the Effects of Short-Term Cessation of HRT on Mammography Assessments and Breast Density-Supplement. DOD17-03-1-0447. Idea Award funded by the Department of Defense, 2006-2008. Direct Costs: \$226,000 % Effort: 17%
22. Principal Investigator. Assessing and Improving Radiologists' Mammography Interpretive Skills. CA063731. U01 Funded by the National Cancer Institute. 2006-2007. GH Direct Costs: \$74,658. % Effort: 17%.

23. Principal Investigator. Assessing and Improving Radiologist's Mammography Interpretive Skills. Funded by the American Cancer Society SIR-SG-07-271-01. 2006-2009. Group Health* direct costs: \$568,800. % Effort: 15%.
24. Principal Investigator: Breast Cancer Surveillance in a Defined Population Administrative Supplement. CA063731. U01 Funded by the National Cancer Institute, 2006-2010. Direct costs: \$63,585. % Effort: 10%.
25. Principal Investigator: Breast Cancer Surveillance in a Defined Population Administrative Supplement. CA063731. U01 Funded by the National Cancer Institute, 2007-2008. Direct costs: \$15,625. % Effort: 10% (effort concurrent with CA063731).
26. Co-Investigator (Site Principal Investigator): Total Xenoestrogen Body Burden in Relation to Mammographic Density, A Marker of Breast Cancer Risk. X81XWH-07-1-0522. Funded by Department of Defense. (Principal Investigator, Amy Trentham). 2007-2009. GH Direct costs: \$49,451. % Effort 7%.
27. Co-Investigator (Site Principal Investigator): Prevention of Ovarian Cancer in Women Participating in Mammography. 5R18DP001142 Funded by the Centers for Disease Control and Prevention. (Principal Investigator: Nicole Urban). 2007-2011. GH direct costs: \$78,125. % Effort 5%.
28. Co-Investigator. Building a Pharmacovigilance Population-based Laboratory - CRN3 Administrative Supplement. CA079689. Funded by National Cancer Society. (Principal Investigator Ed Wagner.) 2008-2010. GH Direct Costs: \$1,387,346. % Effort: 6%.
29. Co-Investigator. Statistical Coordinating Center for the Breast Cancer Surveillance Consortium - APRC Supplement. CA086076. U01. Funded by National Cancer Institute. (Principal Investigator: Diana Miglioretti) 2009-2011. GH Direct Costs: \$403,485. % Effort: 5%.
30. Co-Investigator. Institutional and Clinical Translational Science Award Comparative Effectiveness Research Workforce Development. RR025014. U54. Funded by National Center for Research Resources. (Principal Investigator: Mary L. Dsis.) 2010-2011. % Effort: 5%.
31. *Co-Investigator. Commonly used medications and breast cancer outcomes (COMBO). ARRA Supplement. CA120562 R01 Funded by the National Cancer Institute. (Principal Investigator, Denise Boudreau). 2009-2011. GH Direct costs: \$199,721. % Effort: 6%.
32. Co-Investigator. The HMO Cancer Research Network (CRN) – Infrastructure. CA79689. U19 Funded by the National Cancer Institute. (Principal Investigator: Edward Wagner). 2007-2012. Total Direct costs: \$14,821,127. % Effort 11%.
33. *Co-Investigator. CRN Pilot: Integrating Cost Communication into Cancer Care. Pilot. Cancer Research Network U19 CA079689. (Principal Investigator: Ed Wagner). 2011-2012. GH Direct Costs: \$80,000 % Effort: 5%.
34. *Principal Investigator. Oral Contraceptive Use by Formulation and Breast Cancer Risk by Subtype. CA141485. R03. Funded by National Cancer Institute. 2009-2012. GH Direct Costs: \$100,000. % Effort: 2%.
35. Co-Principal Investigator. Assessing Diagnostics and Variations for Innovative Comparative Effectiveness Research in Cancer (ADVICE). CA1484331. RC2. Funded by National Cancer

- Institute. (Co-Principal Investigators: Larry Kessler, Sean Sullivan Scott Ramsey) 2009-2012. Total Direct Costs: \$1,990,436. % Effort 20%.
36. Co-Principal Investigator. SEARCH: Cancer Screening Effectiveness And Research in Community-based Healthcare. RC2CA148576. Funded by National Cancer Institute. (Co-Principal Investigator: Chyke Doubeni) 2009-2012. Total Direct Costs: \$3,195,294. % Effort: 25%.
 37. Co-Principal Investigator. Comparative Effectiveness of Breast Cancer Imaging Strategies in Community Practice: BCS Project. RC2CA148577. Funded by National Cancer Institute. (Co-Principal Investigators: Diana Miglioretti, Karla Kerlikowske, Bonnie Yankaskas, Berta Geller, Anna Tosteson, Jeanne Mandelblatt). 2009-2012. Total Direct Costs: \$3,333,692. % Effort: 12.5%
 38. *Co-Investigator. Algorithms to Identify Second Breast Cancer Events from Electronic Data. R21CA143242. Funded by National Cancer Institute. (Principal Investigator Jessica Chubak) 2010-2012. Total Direct Costs: \$270,259. % Effort: 3%.
 39. Principal Investigator. Assessing and Improving Radiologists' Mammography Interpretive Skills. Supplement Funded by American Cancer Society. SIR-SG-07-271-01 2009-2012. Direct Costs: \$106,745. % Effort: 25%.
 40. *Co-Investigator. Commonly used medications and breast cancer outcomes (COMBO). R01 CA120562. Funded by the National Cancer Institute. (Principal Investigator, Denise Boudreau). 2006-2012. GH Direct costs: \$1,545,431. % Effort: 20%
 41. Co-Investigator (Site Principal Investigator.) Long-Term Survivorship in Older Women with Early Stage Breast Cancer (BOWII). R01 CA0937772. Funded by National Cancer Institute. (Principal Investigator Rebecca Silliman) 2008-2012. GH Direct Costs: \$306,354. % Effort: 10%.
 42. *Co-Investigator. System-level Tools for Helping Doctors and Patients Know Cancer Treatment Costs in Real-Time. Funded by Group Health Research Institute* Development Funds. (Principal Investigator: Nora Henrikson.) 2012. GH Direct Costs: \$ 49,523. % Effort: 5%.
 43. *Mentor. Mentored Clinical Scientist Comparative Effectiveness Career Development Program at the University of Washington. K12 HS019482 Training Grant application. Funded by Agency for Health Care Quality. (Principal Investigator: Sean Sullivan) 2010-2013 GH Direct Costs: \$206,797. % Effort: 2%.
 44. Principal Investigator. Effectiveness of Healthcare System Outreach for Breast Cancer Screening. RSGI-II-I 00-0 I-CPHPS. Funded by American Cancer Society. 2011-2014. GH Direct Costs: \$391,665. % Effort: 20%.
 45. Co-Investigator (Site Principal Investigator) . Breast and Ovary Cancer Clinical Validation Center: Administrative Supplement. U01 CA152637. Funded by National Cancer Institute. (Principal Investigator: Christopher Li.) 2012-2014. GH Direct Costs: \$44,300. % Effort: 6%.
 46. Co-Investigator (Site Principal Investigator). Comparative Modeling: Informing Breast Cancer Control Practice & Policy - Administrative Supplement. National Cancer Institute. (Principal Investigator: Jeanne Mandelblatt). 2013-2014. GH Direct Costs: \$19,764. % Effort: 2%.

47. Co-Principal Investigator. Reducing Low Value Care. Foundation Grant. Funded by Group Health Foundation. 2012-2015. GH Direct Costs: \$200,000. %Effort: 10%.
48. Co-Investigator. Kaiser Permanente and Research Affiliates Evidence Based Practice Center. Task Order #4, USPSTF Systematic Review. HSA290201200015i (Principal Investigator: Evelyn Whitlock). Agency for Health Care and Quality. 2012-2017. GH Direct Costs: \$ 229,184. % Effort: 10%.
49. Co-Investigator. Studying Colorectal Cancer Effectiveness of Screening Strategies (SuCCESs)-Cervical Unit Supplement. U54CA163261 National Cancer Institute. (Principal Investigators: Carolyn Rutter and Aruna Kamineni). 2014-2016. GH Direct Costs: \$ 811,431. % Effort: 8%.
50. Co-Investigator (Site Principal Investigator). Comparative Modeling: Informing Breast Cancer Control Practice & Policy. U01 CA152958. Funded by National Cancer Institute. (Principal Investigator: Jeanne Mandelblatt.) 2012-2016. GH Direct Costs: \$71,112. % Effort: 2%.
51. Co-Investigator. Systematic Evidence Reviews to Support the U.S. Preventive Services Task Force (USPSTF) - Thyroid Cancer. HSA290201200015i. Agency for Healthcare Research and Quality. (Principal Investigator: Evelyn Whitlock) 2014-2016. GH Direct Costs: \$ 233,517. % Effort: 8%.
52. Co-Investigator (Site Principal Investigator). Evaluating G-CSF Use in Cancer Patients. U24 CA171524. Funded by National Cancer Institute. (Principal Investigator: Pam Pawloski.) 2014-2015. GH Direct Costs: \$ 12,150. % Effort: 0%.
53. Co-Investigator (Site Principal Investigator). Breast Cancer Surveillance Consortium Data Resource. Contract HHSN26120110003. Funded by National Cancer Institute. (Principal Investigator: Ellen O'Meara.) 2011-2016. GH Direct Costs: \$2,344,000. % Effort: 10%.
54. Co-Investigator. Supporting Provider Engagement in Improving Value in Health Care. 72546. Robert Wood Johnson Foundation. (Principal Investigator: Michael Parchman.) 2015-2016. GH Direct Costs: \$601,951. % Effort: 10%.
55. Co-Investigator (Site Principal Investigator). Exploring Opting Out of Lung Cancer Screening Participation in Long-Term Smokers. U24 CA171524. National Cancer Institute. (Principal Investigator: Larry Kushi.) 2015-2016. GH Direct Costs: \$24,920. % Effort: 1%.
56. Co-Investigator. Comparative Effectiveness of Surveillance imaging Modalities in Breast Cancer Survivors. CE-1304-6656. Patient Centered Outcomes Research Institute. (Principal Investigator: Karen Wernli.) 2013-2016. GH Direct Costs: \$1,542,773. % Effort: 10%.
57. Co-Investigator. Comparative Modeling: Informing Breast Cancer Control Practice and Policy. National Cancer Institute. (Principal Investigator: Jeanne Mandelblatt) 2015-2020. GH Direct Costs in year 1: \$20,322. % Effort: 2%.
58. *Co-Investigator (Site Principal Investigator). Comparative Effectiveness of Preoperative Breast MRI on Surgery and Outcomes. R01 CA149365. Funded by National Cancer Institute. (Principal Investigator: Tracy Onega.) 2011-2017. GH Direct Costs: \$695,000. % Effort: 5%.
59. Project Co-Lead. Risk-Based Breast Cancer Screening in Community Settings. P01 CA154292. Funded by National Cancer Institute. (Principal Investigators Karla Kerlikowske and Diana Miglioretti.) 2011-2017. GH Direct Costs: \$ 23,965,000. %Effort: 25%.

60. Co-Investigator (Site Principal Investigator). Mammography Challenge Project. Laura and John Arnold Foundation. (Principal Investigator: Stephen Friend.) 2015-2017. GH Direct Costs: \$51,050. % Effort: 5%.
61. Co-Investigator. Implementing the Action Framework of RWJF's Supporting Provider Engagement in Value in Health Care Program, Phase 2. Robert Wood Johnson Foundation. (Principal Investigator: Michael Parchman) 2016-2018. GH Direct Costs in Year 1: \$1,007,652. % Effort: 7%
62. Steering Committee member for AcademyHealth, PCORI funded, "Defining Patient-Centered Metrics for Low-Value Care". 2016-2018. %Effort: 0%.
63. Principal Investigator. Risk of New Malignancies Following Breast Cancer. HHSN261201700564P. National Cancer Institute. 2017-2018. Direct costs: \$92,873. % FTE: 10%.
64. Co-Lead of the CRN Scholars Program and Co-Investigator. CRN4: Cancer Research Resources & Collaboration in Integrated Health Care Systems. U24 CA171524. Funded by National Cancer Institute. (Principal Investigator: Larry Kushi.) 2012-2019. KPWA Direct Costs: \$ 1,899,000. % Effort: 15%.

CURRENT RESEARCH GRANTS (as Principal Investigator or Co-Investigator)

1. *Co-Investigator (Site Principal Investigator). Site Principal Investigator. Randomized Trial of In-Home Cervical Cancer Screening in Underscreened Women. R01 CA168598. National Cancer Institute. (Principal Investigator: Rachel Winer.) 2012-2019. KPWA Direct Costs: \$ 1,626,000. % Effort: 20%.
2. Co-Investigator. Comparative Effectiveness of Breast Cancer Screening and Diagnostic Evaluation by Extent of Breast Density. Patient Centered Outcomes Research Institute. PCS-1504-30370. (Principal Investigators: Diana Miglioretti, Karla Kerlikowske, Tracy Onega, Anna Tostetson.) 2016-2021. KPWA Direct Costs in year 1: \$751,374. % FTE: 10%.
3. Site PI, Co-Investigator. Comorbidity and Screening Outcomes among Older Women Undergoing Mammography. R01 CA207361. National Cancer Institute. (Principal Investigator: Dejana Braithwaite) 2016-2020. KPWA Direct costs in year 1: \$122,139. % Effort: 10%.
4. Site PI, Co-Investigator (site Principal Investigator). The Effectiveness, Safety, and Costs of Guideline-Concordant Lung Nodule Care. R01 CA207375. National Cancer Institute. (Principal Investigator: Farhood Farjah) 2017-2020. KPWA Direct Costs: \$347,489. % FTE: 10%.
5. Site PI, Co-Investigator. Risk-based Breast Cancer Screening and Surveillance in Community Practice. P01 CA154292. National Cancer Institute. (Principal Investigators: Diana Miglioretti, Karla Kerlikowske, Anna Tostetson.) 2017-2022. KPWA Direct Costs: \$279,000. % FTE: 15%.
6. Principal Investigator. Risk of New Malignancies Following Breast Cancer - Tissue sub-study. National Cancer Institute. 2018-2019. KPWA Direct Costs in year 1: \$15,479. % FTE: 0.7%.
7. Site Principal Investigator, Co-Investigator. Using a Mixed Methods Approach to Understand Shared Decision-Making in Lung Cancer Screening. R01 CA222090. National Cancer

Institute. (Principal Investigator: Lisa Carter Harris). 2018-2022. KPWA Direct Costs: \$855,000. % FTE: 25%.

8. Co-Investigator. Multilevel Optimization of the Cervical Cancer Screening Process in Diverse Settings & Populations. UM1 CA221940. National Cancer Institute. (Principal Investigator: Jasmin Tiro.) 2017-2022. KPWA Direct Costs: \$3,472,000. % FTE 5%.
9. Principal Investigator. CATALyST: Consortium for Applied Training to Advance the Learning Health System with Scholars/Trainees. K12 HS026369. Agency for Healthcare Research and Quality. 2018-2023. KPWA Direct Costs: \$ 3,400,000. % FTE 10%.

PENDING RESEARCH GRANTS (as Principal Investigator or Co-Investigator)

1. Co-Investigator. SMS/REACH Investigation to the Microbiome. National Cancer Institute. (Principal Investigator: Polly Newcomb). 2019-2021. KPWA Direct Costs in year 1: \$35,647. % FTE: 4%.
2. Principal Investigator. Self-Testing options in the Era of Primary HPV screening for cervical cancer (STEP) trial. National Cancer Institute. 2019-2024. KPWA Direct Costs in year 1: \$587,797. % FTE: 25%.
3. Principal Investigator. Risk of New Malignancies Following Breast Cancer – Radiotherapy. National Cancer Institute. 2018-2019. KPWA Direct Costs in year 1: \$92,773 % FTE: 5%.
4. Principal Investigator. Risk of New Malignancies Following Breast Cancer – Mammographic breast density. National Cancer Institute. 2018-2019. KPWA Direct Costs in year 1: \$92,734 % FTE: 5%.

RESEARCH GRANTS (as Consultant)

1. Prospective Study of Breast Cancer Survivorship. R01 Funded by the National Cancer Institute (Principal Investigator, Larry Kushi). 2004-2009.
2. Comparative Modeling: Informing Breast Cancer Control Practice & Policy. U01 CA152958. Funded by National Cancer Institute. (Principal Investigator: Jeanne Mandelblatt). 2010-2012.

CONFERENCES AND SYMPOSIUMS

1. **Buist DSM**, Chang JC, Garcia M, Melkote R, Brass LM. Trends and implications of cerebrovascular disease in the Veterans Administration. American Public Health Association, November, 1994.
2. **Buist DSM**, Schoendorf K, Kiely J. The association between breastfeeding and reported respiratory disease among infants exposed to maternal tobacco smoke. American Public Health Association, San Diego, California, October, 1995.
3. Newton KM, LaCroix AZ, **Buist DSM**. The use of alternative and complementary medicine by women enrolled in an HMO setting. HMO Research Network Conference. Oakland, California, May, 1998.
4. **Buist DSM**, LaCroix AZ, Barlow WE, White E, Weiss NS. Does bone mineral density predict breast cancer risk in postmenopausal women? American Society of Preventive Oncology. Houston, Texas, March 1999.

5. Donahue J, Andrade S, Beck A, Boles M, **Buist D**, Chandler J, Chase G, Ettinger B, Goodman M, Guess H, Gurwitz J, LaCroix A, Levin TR, Platt R. Multi-HMO assessment of alendronate and gastro-duodenal perforation, ulcer or bleeding. Pharmaceutical Outcomes Research: Past, Present and Future. Seattle, Washington, April 1999.
6. LaCroix AZ, Anderson LA, Newton KM, **Buist DSM**, Delaney KM. Qualities of HRT Counseling: Findings from the EnPower Study. National Menopause Society. New York, New York, September, 1999.
7. Newton KM, LaCroix AZ, **Buist DSM**, Anderson LA, Delaney KM. Will women in managed care use a mailed HRT workbook? The EnPower Study Workbook Trial. National Menopause Society. New York, New York, September, 1999.
8. **Buist DSM**, LaCroix AZ, Manfredonia D, Abbott T. Prevalence of osteoporosis among postmenopausal women in a managed care setting. American Society for Bone and Mineral Research Society. St. Louis, Missouri, September, 1999.
9. Chang S, **Buist D**, Reid M, Terry MB, Trentham-Dietz A. ASPO 2001 survey findings. American Society for Preventive Oncology. Bethesda, Maryland, March 2002.
10. *Young LE, Cunningham SL, **Buist DSM**. Heart health determinants in lone versus partnered mothers: National Health and Nutrition Examination Survey III (NHANESIII). AHA, Honolulu, HI April 2002.
11. *Casso D, **Buist DSM**, Taplin. Quality of Life of 5-10 Year Breast Cancer Survivors Diagnosed Between Ages 40 and 49. HMO Research Network Conference, Long Beach, CA, April 2002.
12. Andrade SE, Majumadar SR, Chang KA, **Buist DS**, Go AS, Goodman M, Smith DH, Platt R, Gurwitz JH. Treatment of Osteoporosis Among Older Women Following an Osteoporotic Fracture. International Society for Pharmacoepidemiology. Edinburgh, Scotland. August 2002.
13. Brenneman SK, LaCroix AZ, **Buist DSM**, Chen Y, Abbott TA. Evaluation of the sensitivity and specificity of screening tools for referring women for bone densitometry. American Society of Bone and Mineral Research. San Antonio, TX, September 2002.
14. LaCroix AZ, **Buist DSM**, Abbott TA, Brenneman SK. The Osteoporosis Population-Based Risk Assessment trial (OPRA) comparing three screening strategies for fracture prevention. American Society of Bone and Mineral Research. San Antonio, TX, September 2002.
15. *Park A, **Buist DSM**, Taplin SH. Mammography participation among low-income women in a staff model HMO. AACR Frontiers in Cancer Prevention annual meeting, Boston, MA, October 2002.
16. **Buist DSM** (Invited). Multi-site data aggregation: An example from a CRN-CERT collaboration to examine HRT diffusion from 1999-2002. HMO Research Network Meeting. Dearborn, Michigan. 2004.
17. *Crest AB, Aiello EJ, Anderson ML, **Buist DSM**. Varying levels of family history of breast cancer in relation to mammographic breast density. American Society of Preventive Oncology. San Francisco, CA. 2005.
18. **Buist DSM**, Aiello EJ, Miglioretti D, Mahoney L, White E. Mammographic breast density, dense area and breast area by phase in the menstrual cycle. San Antonio Breast Symposium. San Antonio, TX. December 10, 2005.

EDUCATIONAL MATERIALS

- To be or not to be on hormone replacement therapy.
- Bone health for a lifetime. A guide to the prevention and management of osteoporosis.

TEACHING HISTORY

- 1997-present Faculty, American Thoracic Society's International Course: Methods in Epidemiologic, Clinical and Operations Research, 6 day course, 60 hours of didactic instruction each year.
- 1998 Lecturer, Epidemiologic study design, Human Biology Epidemiology, University of Washington's School of Medicine, one quarter class, once/week.
- 1998-1999 Huckabay Teaching Fellow, University of Washington, Seattle, Washington, one quarter class, 3 units.
- 1998-2000 Faculty, Expand Your Horizon's. Seattle, Washington, 8 hours each year.
- 1999, 2003 Case-cohort studies. Advanced Epidemiologic Methods Course, University of Washington's School of Public Health and Community Medicine, guest lecturer for 1 ½ hours each year.
- 2000, 2006 Organizer, Faculty, Epidemiology 101, Group Health* Center for Health Studies, Seattle, Washington, 10 week course, 1 ½ hours/week.
- 2004 Faculty, Veterans Administration's Epidemiology, Biostatistics and Clinical Research Methods Summer Session. University of Washington, 8 hours of instruction.
- 2010 Faculty, Methods and Applications for Comparative Effectiveness Research, Institute of Translational Health Services, University of Washington, September 2010
- 2012 Faculty, Biennial Outcomes Course, American College of Surgeons, Chicago IL, November 2012.
- 2015 Quality versus Quantity: A rational approach to healthcare in the era of healthcare reform. Continuing Medical Education. Group Health Cooperative. Hawaii.

ADVISING AND FORMAL MENTORING

PHD DISSERTATIONS

1. Doctoral dissertation committee member, Jessica Chubak, PhD student in Epidemiology, University of Washington, School of Public Health and Community Medicine, 2003-2007.
2. Doctoral dissertation committee member, Amanda Phipps, MPH, PhD student in Epidemiology, University of Washington, School of Public Health and Community Medicine, 2008-2010.
3. Doctoral dissertation committee member and Research Associate Supervisor, Elisabeth Beaber, MPH, PhD student in Epidemiology, University of Washington, School of Public Health and Community Medicine, 2008-2012.

4. Doctoral dissertation committee member, Heidi Wirtz, PhD student in Pharmaceutical Outcomes Research, University of Washington, School of Pharmacy, 2010-2014.
5. Doctoral dissertation committee member, Maria Agapova, PhD student in Pharmaceutical Outcomes Research, University of Washington, School of Pharmacy, 2013-2016.
6. Doctoral dissertation committee member, Colin Malone, MPH; PhD student in Epidemiology, University of Washington, School of Public Health, 2013-present.

MASTERS THESES

1. Supervisor and Thesis committee member, Anthony Crest, MPH student in Public Health Genetics, University of Washington, School of Public Health and Community Medicine. Graduated June 2005.
2. Supervisor and Thesis Chair, Megan Welsh MPH student in Epidemiology, University of Washington, School of Public Health and Community Medicine, 2005-2006.

MENTORED SCIENTISTS AND POSTDOCS

1. Community Project Faculty Advisor to Christian Loch, PhD, MPH student in Epidemiology, University of Washington, School of Public Health and Community Medicine. 2005-2006. Currently Director of Research and Development at AVMBioMed.
2. AHRQ K12 Comparative Effectiveness Research Scholar Mentor to Karen Wernli, PhD, MPH. 2010-2013. Currently an Assistant Investigator at Group Health Research Institute.*
3. Eva Chang, PhD, Group Health Foundation Post-Doctoral Fellow. 2014-2015. Currently a Research Scientist at Research Triangle Institute.

ACADEMIC ADVISING

1. TL1 Mentor for Melissa Romaine, MS trainee. PhD student in Health Services, University of Washington, School of Public Health, 2009-2011.
2. Research Associate Supervisor, Sarah Lowry, MPH, PhD student in Epidemiology. University of Washington School of Public Health. 2010-present.
3. Research Associate Supervisor, Amanda Phipps, MPH; PhD student in Epidemiology, University of Washington, School of Public Health, 2006-2007.
4. Nora Schentschischin (now Knight Ross), MS student in Health Care Innovation Student. Maastricht University. Faculty mentor for internship. Topic, "The uptake of the health profile, a tool for risk assessment." Summer 2009.
5. Research Associate Supervisor, Hannah Cohen-Cline, MPH student in Epidemiology, University of Washington, School of Public Health, 2010-2012.
6. Research Associate Supervisor, Elisabeth Beaber, PhD student in Epidemiology, University of Washington, School of Public Health, 2009-2012.
7. Research Associate, Colin Malone, MPH; PhD student in Epidemiology, University of Washington, School of Public Health, 2013-present.