

CURRICULUM VITAE

A. BIOGRAPHICAL INFORMATION

Erin Janelle Aiello Bowles, MPH
Kaiser Permanente Washington Health Research
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B. EDUCATION

University of Washington, Seattle, WA. MPH, Epidemiology, 2000-2002.
University of California, Irvine. BS, Applied Ecology, *magna cum laude*, 1996-2000.

C. PROFESSIONAL POSITIONS

Research Associate IV, Kaiser Permanente Washington Health Research Institute, Kaiser Foundation Health Plan of Washington*, 2018-present
Research Associate III, Kaiser Permanente Washington Health Research Institute, Kaiser Foundation Health Plan of Washington*, 2010-2018
Research Associate II, Group Health Research Institute,* 2005-2010
Research Associate I, Group Health Research Institute,* 2002-2005.
Data Coordinator IV, Fred Hutchinson Cancer Research Center, 2002-2003.
Research Assistant, Fred Hutchinson Cancer Research Center, 2000-2002.
Intern, Breast and Cervical Health Program (BCHP), Public Health – Seattle & King County, 2001.
Research Assistant at the Center for Occupational and Environmental Health, University of California, Irvine, 1999-2000.

D. HONORS, AWARDS, AND SCHOLARSHIPS

Exceptional Reviewer for *Medical Care*, 2007
Second Place Poster Award, Society for Epidemiologic Research, 2007
First Place Poster Award, HMO Research Network Conference, 2007
Exceptional Reviewer for *Medical Care*, 2006
Best Poster Award (1st place), American Society of Preventive Oncology, 2006.
Best Poster Award (3rd place), American Society of Preventive Oncology, 2005.
Student-Postdoc Advisory Committee travel award, Fred Hutchinson Cancer Research Center, 2002.
Washington State funded research assistant, University of Washington, 2000-2001.
Magna cum laude, University of California, Irvine, 2000.
Undergraduate Research Opportunities Program grant recipient, University of California, Irvine, 2000.
Social Ecology Honors Research Seminar, University of California, Irvine, 1999-2000.
Phi Beta Kappa Society (junior year nomination), University of California, Irvine, 1999-2000.
Golden Key National Honor Society, University of California, Irvine, 1998-2000.
Regent's Scholar, University of California, Irvine, 1996-2000.
Valedictorian, Abraham Lincoln High School, San Jose, CA, 1996.

E. OTHER PROFESSIONAL ACTIVITIES

Editorial Boards: PLOS ONE (Academic Editor)

Manuscript Reviews (*Reviewed manuscripts in the past year)

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

Alzheimer's and Dementia
*American Journal of Preventive Medicine**
Annals of Oncology
BMC Cancer
BMC Medical Informatics and Decision Making
BMC Research Notes
BMJ Open
Breast Cancer Research
Breast Cancer Research and Treatment
British Journal of Cancer
*Cancer Causes & Control**
Cancer Control: Journal of the Moffitt Cancer Center
Cancer Detection and Prevention
*Cancer Epidemiology, Biomarkers and Prevention**
Cancer Research
Clinical Journal of Oncology Nursing
Epidemiology

European Journal of Cancer Care
International Journal of Cancer
*JAMA Oncology**
JAMA Internal Medicine
Journal of Cancer Epidemiology
Journal of Clinical Epidemiology
Journal of Clinical Oncology
Journal of General Internal Medicine
Journal of the American Board of Family Medicine
Journal of the American Geriatric Society
*Journal of the National Cancer Institute**
Journal of Women's Health
*Medical Care**
Nutrition and Cancer
Pharmacoeconomics & Drug Safety
Preventive Medicine
The Lancet Oncology

Professional Memberships

American Society for Preventive Oncology, 2003 – present
American Association for Cancer Research, 2001 – present
Society for Epidemiological Research, 2007 – present; co-chair of membership committee (2018-present)
F1000 faculty member, 2010 – present

Grant Reviews

Cancer Research UK - 2018
Susan G Komen Puget Sound– 2013-2014
Patient Centered Outcomes Research Institute– 2013
ITHS Community Pilots, 2010 – 2012

F. BIBLIOGRAPHY

Peer-reviewed research articles

1. Chlebowski RT, **Aiello E**, McTiernan A. Weight Loss in Breast Cancer Patient Management. *Journal of Clinical Oncology* 2002; 20(4): 1128-1143.
2. Irwin ML, Yasui Y, Ulrich CM, Bowen D, Rudolph RE, Schwartz RS, Yukawa M, **Aiello E**, Potter JD, McTiernan A. Effect of exercise on total and intra-abdominal body fat in postmenopausal women: A randomized controlled trial. *JAMA* 2003; 289(3): 323-330.
3. Tworoger SS, Yasui Y, Vitiello MV, Schwartz RS, Ulrich CM, **Aiello EJ**, Irwin ML, Bowen DB, Potter JD, McTiernan A. Effects of a Yearlong Moderate-Intensity Exercise and a Stretching Intervention on Sleep Quality in Postmenopausal Women. *SLEEP* 2003; 26(7): 830-836.
4. Tworoger SS, Chubak J, **Aiello EJ**, Yasui Y, Ulrich CM, Farin F, Potter JD, McTiernan A. Associations between CYP17, CYP19, CYP11B1, and COMT polymorphisms with serum and urinary sex hormones in postmenopausal women. *Cancer, Epidemiology, Biomarkers, & Prevention* 2004; 13(1):94-101.
5. Tworoger SS, Chubak J, **Aiello EJ**, Yasui Y, Ulrich CM, Farin FM, Stapleton PL, Irwin ML, Potter JD, Schwartz RS, McTiernan A. The Effect of CYP19 and COMT Polymorphisms on Exercise-

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- Induced Fat Loss in Postmenopausal Women. *Obesity Research*. 2004 Jun;12(6):972-81
6. **Aiello EJ**, Yasui Y, Tworoger SS, Ulrich CM, Irwin ML, Bowen D, Schwartz RS, Kumai C, Potter JD, McTiernan A. Effect of a yearlong moderate-intensity exercise intervention on the occurrence and severity of menopause symptoms in postmenopausal women. *Menopause: The Journal of the North American Menopause Society* 2004; 11(4):382-388.
 7. Frankenfeld CL, McTiernan A, **Aiello EJ**, Thomas WK, LaCroix K, Schramm J, Schwartz SM, Holt VL, Lampe JW. Mammographic density in relation to daidzein-metabolizing phenotypes in overweight, postmenopausal women. *Cancer Epidemiology, Biomarkers, & Prevention* 2004; 13(7): 1156-1162.
 8. Sparks R, Ulrich CM, Bigler J, Tworoger SS, Yasui Y, Rajan KB, Porter P, Stanczyk FZ, Ballard-Barbash R, Yuan X, Gang Lin M McVarish L, **Aiello EJ**, McTiernan A. UDP-glucuronosyltransferase and sulfotransferase polymorphisms, sex hormone concentrations, and tumor receptor status in breast cancer patients. *Breast Cancer Research* 2004; 6(5):R488-498.
 9. **Aiello EJ**, Buist DSM, White E, Seger D, Taplin SH. Rate of breast cancer diagnoses among post-menopausal women with self-reported breast symptoms. *Journal of the American Board of Family Practice* 2004 Nov-Dec; 17(6):408-415.
 10. **Aiello EJ**, Buist DSM, White E, Porter P. Association between mammographic breast density and breast cancer tumor characteristics. *Cancer Epidemiology, Biomarkers and Prevention* 2005; 14(3): 662-668.
 11. El-Bastawissi A, **Aiello EJ**, Buist DSM, Taplin SH. Previous pregnancy outcome and breast density. *Cancer Causes and Control*. 2005;16(4):407-17.
 12. **Aiello EJ**, Tworoger SS, Yasui Y, Stanczyk F, Potter J, Ulrich CM, Irwin M, McTiernan A. Associations among circulating sex hormones, insulin-like growth factor, lipids, and mammographic density in postmenopausal women. *Cancer Epidemiology, Biomarkers and Prevention* 2005; 14(6):1411-7.
 13. Irwin M, **Aiello EJ**, McTiernan A, Baumgartner RN, Baumgartner KB, Bernstein L, Gilliland FD, Ballard-Barbash R. Pre-diagnosis physical activity and mammographic breast density in pre-and post-menopausal women. *Breast Cancer Research and Treatment* 2006;95(2):171-8.
 14. **Aiello EJ**, Taplin S, Reid R, Hobbs M, Seger D, Kamel H, Tufano J, Ballard-Barbash R. In a randomized controlled trial, patients preferred electronic data collection of breast cancer risk-factor information in a mammography setting. *Journal of Clinical Epidemiology* 2006; 59(1):77-81.
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 16. **Aiello EJ**, Buist DSM, White E. Do breast cancer risk factors modify the association between hormone therapy and mammographic breast density? (United States). *Cancer Causes and Control*. 2006; 17(10):1227-35.
 17. Buist DSM, **Aiello EJ**, Miglioretti DL, White E. Mammographic breast density, dense area, and breast area differences by phase in the menstrual cycle. *Cancer Epidemiology Biomarkers and Prevention*. 2006; 15(11):2303-6.
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 19. Carney PA, Yi J, Abraham LA, Miglioretti DL, **Aiello EJ**, Gerrity MS, Reisch L, Sickles EA, Berns EA, Elmore JG. Reactions to Uncertainty and the Accuracy of Diagnostic Mammography. *J Gen Intern Med*. 2007 Feb;22(2):234-41.
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- postmenopausal breast cancer survivors. *J Clin Oncol*. 2007 Mar 20;25(9):1061-6. Epub 2007 Jan 29.
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- trial. *Annals of Internal Medicine*. 2009 Jun 2; 150(11): 752-65. PMC2803099.
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 43. Phipps AI, Ichikawa L, **Bowles EJ**, Carney PA, Geller BM, Kerlikowske K, Miglioretti DL, Buist DS, for the Breast Cancer Surveillance Consortium. Defining menopausal status in epidemiologic studies: an applied comparison of multiple approaches and their effects on breast cancer rates. *Maturitas*. 2010 Sep;67(1):60-6.
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53. Carney PA, **Aiello Bowles EJ**, Sickles EA, Geller BM, Feig SA, Jackson S, Brown D, Cook A, Yankaskas BC, Miglioretti DL, Elmore JG. Using a tailored web-based intervention to set goals to reduce unnecessary recall. *Acad Radiol*. 2011 Apr; 18(4):495-503.
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58. Lowry S, **Aiello Bowles EJ***, Anderson M, Buist DSM. Predictors of breast density change after hormone therapy cessation: results from a randomized trial. *Cancer Epidemiology Biomarkers and Prevention*, 2011 Oct; 20(10):2309-12.
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- women. *Open Journal of Preventive Medicine*, 2012 Feb 23; 2(1).
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 72. Allen LA, Yood MU, Wagner EH, **Aiello Bowles EJ**, Pardee R, Wellman R, Habel L, Nekhlyudov L, Davis RL, Onitilo AA, Magid DJ, for the Pharmacovigilance Research Group. Performance of claims-based algorithms for identifying heart failure and cardiomyopathy among patients diagnosed with breast cancer. *Medical Care*, 2012 May 25 [epub ahead of print].
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116. **Aiello Bowles EJ**, Crane PK, Walker RL, Chubak J, LaCroix AZ, Anderson ML, Rosenberg D, Keene CD, Larson EB. Cognitive resilience to Alzheimer's disease pathology in the human brain. *Journal of Alzheimer's Disease* (In press).
117. **Bowles EJA**, Yu O, Ziebell R, Chen L, Boudreau DM, Ritzwoller DP, Hubbard RA, Boggs JM, Burnett-Hartman AN, Sterrett A, Fujii M, Chubak J. Cardiovascular medication use and risks of colon cancer recurrences and additional cancer events: a cohort study. *BMC Cancer* (In Press).

*Primary mentor of first listed author

Peer-reviewed published abstracts

1. Irwin ML, **Aiello E**, Gilliland F, McTiernan A, Baumgartner R, Bernstein L, Ballard-Barbash R. The Association between Physical Activity Levels and Mammographic Breast Density in pre- and post-menopausal women: The Health, Eating, Activity, and Lifestyle (HEAL) Study. *Cancer Epidemiology, Biomarkers and Prevention* 2003; 12(11):1284s-1285s.
2. **Aiello E**, Taplin S, Reid R, Paschall M, Seger D, Kamel H, Tufano J, Ballard-Barbash R. Electronic Data Collection from Patients on Breast Cancer Risk Factor Information in a Mammography Setting. *The American Journal of Managed Care* 2004; 10(9):651.
3. **Aiello EJ**, Buist DS, White E. Association between breast density and hormone therapy modified by breast cancer risk factors. *Cancer Epidemiology, Biomarkers and Prevention* 2004; 13(11):1972s-1978s.
4. Welsh ML, **Aiello EJ**, Anderson ML, Buist DSM. Population-based estimates of the relation between family history and breast cancer risk. *American Journal of Epidemiology* 2007; 165(11):Abstract 227-S.
5. Sprague B, Trentham-Dietz A, Heman C, Hemming J, Hampton J, Buist D, **Bowles EA**, Burnside E, Sisney G. The association of serum phthalates and parabens with mammographic breast density. *Cancer Epidemiol Biomarkers Prev.* 2011 Apr;20(4):718.

Book chapters:

1. Breast Imaging. Eds Lee CI, Lehman CD, Bassett LW. New York, NY: Oxford University Press 2018. Chapter 2: "Breast Cancer Screening: Evidence and Recommendations. Karen J Wernli and Erin J Bowles, pp 14-17.

Non peer-reviewed publications

1. Stern S and **Aiello E**. Success of Environmental Laws Hinges on Public Perception. *The Los Angeles Times*. Oct 22, 2000.

G. FUNDING HISTORY

Ongoing Research Support

National Cancer Institute R37CA222793 (Kantor)
 Obesity, Chemotherapy Dosing, and Breast Cancer Outcomes
 Role: Site PI/Co-Investigator

1/1/2018 – 12/31/2022

National Cancer Institute Group Health Cancer Research Program Research Specialist Award Role: Principal Investigator	R50CA211115 (Bowles)	2/1/2017-1/31/2022
National Cancer Institute Risk-based Breast Cancer Screening and Surveillance in Community Practice Role: Site PI/Co-investigator	2P01CA154292 (Miglioretti)	7/1/2017-5/31/2022
AHRQ Evidence Based Practice Center – Screening for Pancreatic Cancer Review Role: Co-Investigator	HHSA-290-2015-000071 (Lin)	9/11/2017-6/30/2019
National Institute on Aging Alzheimer's Disease Patient Registry (ADPR/ACT) Role: Co-Investigator	U01 AG006781 (Larson)	5/1/2015-4/30/2020
National Institute on Aging The ACT Annual Symposium: A Living, Learning National Collaboratory to Advance Alzheimer's Disease and Brain Aging Research Role: Site PI/Co-Investigator	R13AG057087 (Larson)	5/12/2017-4/30/2020
National Cancer Institute Risk of Pediatric and Adolescent Cancer Associated with Medical Imaging (RIC) Role: Site PI/Co-Investigator	R01CA185687 (Smith-Bindman)	3/1/2015-2/29/2020
National Cancer Institute Applying Breast Density to Risk Counseling (ENGAGED II) Role: Co-Investigator	R01CA190221 (O'Neill)	8/7/2015-7/31/2019
National Cancer Institute Mammographic Breast Density and Contralateral Breast Cancer Risk: Digitization and Assessment of Mammograms from Kaiser Colorado (KPCO Density) Role: Principal Investigator	HHSN261201700695P (Bowles)	9/20/2017-3/18/2019
National Cancer Institute Risk of New Malignancies Following Breast Cancer (Kaiser Breast Cancer Survivor Cohort) Role: Co-Investigator	HHSN261201700564P (Buist)	9/11/2017-9/10/2018
<u>Completed Research Support</u>		
National Cancer Institute Commonly Used Medications and Risk of Colorectal Cancer Recurrence (RECORD) Role: Co-Investigator	R01CA172073 (Chubak)	9/13/2013-7/31/2018
National Cancer Institute Risk-based Breast Cancer Screening in Community Settings Role: Co-investigator	1P01CA154292 (Miglioretti)	9/13/2011-8/31/2017
AHRQ Evidence Based Practice Center Role: Research Associate	HHSA-290-2012-00151-I (Lin)	3/1/2013-8/31/2017
National Cancer Institute/Westat Lobular Duct Involution and Breast Density Role: Principal Investigator	6182-S13-Mod 1	5/11/2015-8/31/2016

National Cancer Institute Breast Cancer Surveillance Consortium Research Resource Role: Associate Director	HHSN261201100031C (O'Meara)	8/1/2011-7/31/2016
Branta Foundation Medication Exposure and Cognitive Decline in Older People Role: Research Associate	None (Dublin)	8/1/2012-7/31/2015
National Cancer Institute CRN Clinical Communication Research Center: Testing an Optimal Model of Patient-Centered Cancer Care Role: Research Associate	1P20CA137219 (Dearing)	9/30/2008-8/31/2014
American Cancer Society Effectiveness of Health Care System Outreach for Breast Cancer Screening Role: Co-investigator	RSGI-I 00-01-CPHPS (Buist)	7/1/2011-6/30/2014
National Cancer Institute Kaiser Tamoxifen and Mammographic Density Study Role: GH Principal Investigator	HHSN261201100441P (Bowles)	9/1/2011-3/1/2013
National Cancer Institute Commonly Used Medications and Breast Cancer Recurrence Role: Research Associate	1R01CA120562 (Boudreau)	9/1/2007-7/31/2012
National Cancer Institute Cancer Research Network Across Health Care Systems: CRN3 – Infrastructure Role: Research Associate	5U19CA079689 (Wagner)	5/1/2007-4/30/2012
National Cancer Institute Building CER Capacity: Aligning CRN, CMS, and State Resources to Map Cancer Care Role: Co-investigator	1RC2CA148185 (Weeks)	9/30/2009-8/31/2011
National Cancer Institute Breast Cancer Surveillance in a Defined Population Role: Research Associate	2U01CA063731 (Buist)	8/1/2005 – 7/31/2010
National Cancer Institute Improving breast cancer surgery quality through a collaborative surgery database Role: GH Principal Investigator	1RC1CA145402 (McCahill)	10/1/2009-9/30/2011
National Cancer Institute Understanding Variability in Community Mammography Role: Research Associate	5R01CA107623 (Elmore)	7/1/2004 – 4/30/2010
National Cancer Institute Gene Copy Number Chances and Breast Cancer Survival Role: Research Associate	5R01CA098415 (Porter)	6/1/2004-5/31/2010
AMGEN Descriptive Epidemiology and Clinical Course of Myelodysplastic Syndromes (MDS) in a Health Maintenance Organization Role: GH Principal Investigator	None (De Roos)	12/11/2006-4/30/2009
National Institutes of Health Radiologist Feedback Reports Role: GH Principal Investigator	HHSN261200700389P (Bowles)	9/12/2007-12/30/2007

National Cancer Institute Contract-None (Wagner)
Patient Centered Communication in Cancer Care
Role: Research Associate

10/1/2005-1/31/2007

Department of Defense DAMD17-03-1-0447 (Buist) 6/1/2003 – 6/30/2008
A Population-Based Randomized Trial to Assess the Effects of Short-Term Cessation of HRT on
Mammography Assessments and Breast Density
Role: Research Associate

H. CONFERENCES AND SYMPOSIUMS

Contributed Oral Presentations

1. "Duration and Type of Symptoms at the Time of a Mammogram". Breast Cancer Surveillance Consortium Meeting, Sugarbush, VT. October 2002.
2. "Group Health Cooperative Survey Automation Project". National Cancer Institute. February 2003.
3. "Developing automated alternatives for eliciting patient information for breast cancer screening surveillance". Breast Cancer Surveillance Consortium meeting, Portsmouth, NH. April 2003.
4. "Rate of breast cancer diagnoses among women with self-reported breast symptoms". Breast Cancer Surveillance Consortium meeting, Portsmouth, NH. April 2003.
5. "Use of Tablet PCs to Automate the Breast Screening Recruitment and Reminders (BSRR) Survey". Breast Cancer Surveillance Consortium meeting, Lake Tahoe, CA. October 2003.
6. "Censoring and cancer incidence: methodology". Breast Cancer Surveillance Consortium meeting, Vancouver, BC, Canada. April 2005.
7. "Comparison of ACR and BCSC definitions for screening and diagnostic mammograms." Breast Cancer Surveillance Consortium meeting, Vancouver, BC, Canada. April 2005.
8. "Mammographic density and phase in the menstrual cycle." Group Health Cooperative, Breast Cancer Surveillance Scientific meeting, March 2005; and Breast Cancer Surveillance Consortium meeting, Vancouver, BC, Canada. April 2005.
9. "Radiologist feedback project". Breast Cancer Surveillance Consortium Meeting, Seattle, WA. April 2008.
10. "The trustworthiness of administrative health plan data in chemotherapy research". HMO Research Network Meeting, Minneapolis, MN. April 2008.
11. "Chemotherapy associated with increased heart failure risk among women with breast cancer in the CRN." HMO Research Network meeting in Boston, MA, 2011.
12. "Anesthesia exposure and risk of dementia and Alzheimer's disease: a prospective study." HCSRN meeting, Atlanta, GA. April 2016.

Seminars/Meeting Presentations

1. "The rate of breast cancer diagnoses among women with self-reported breast symptoms". Group Health Research Institute* Scientific Surveillance meeting. January 2003.
2. "Automated Survey". Group Health Research Institute Scientific Surveillance meeting. January 2003.
3. "Use of Tablet PCs to Automate the Breast Screening Recruitment and Reminders (BSRR) Survey". Group Health Research Institute Programmers meeting. May 2003. "What can you do with science?" Brier Elementary School science fair. June 2003.
5. "Developing automated alternatives for eliciting patient information for breast cancer screening surveillance". Group Health Research Institute staff meeting, August 2003.

6. "Development of an automated alternative for eliciting patient information for breast cancer screening surveillance". Group Health, Breast Cancer Roadmap meeting, January 2004.
7. "Patient acceptability of an electronic survey for eliciting patient information for breast cancer screening surveillance". Group Health Research Institute Surveillance Scientific meeting, February 2004.
8. "Automated data collection in a mammography setting". Group Health Research Institute Cancer researchers meeting, July 2004.
9. "Association between hormone therapy and breast density modified by breast cancer risk factors. Group Health Research Institute* Programmers meeting, October 2004.
10. "Association between hormone therapy and breast density modified by breast cancer risk factors. Group Health Research Institute* Surveillance Scientific Meeting, October 2004.
11. "Rate of breast cancer diagnoses in postmenopausal women with self-reported breast symptoms." Group Health Cooperative, Breast Cancer Roadmap meeting, January 2005.
12. "Medication use and breast cancer prognosis grant preparation: methodological issues." Group Health, Breast Cancer Surveillance Scientific meeting, March 2005.
13. "Racial disparities P01." Group Health, Cancer Researchers Meeting. December 2005.
14. "SEER linkage project". Group Health, Cancer Researchers Meeting, June 2006.
15. "Time in the diagnostic process – monitoring quality of breast care at Group Health". Group Health, Breast Cancer Surveillance Scientific meeting, September 2006.
16. "SEER data capture – how complete is Group Health's capture of breast cancers from SEER data". Group Health, Breast Cancer Surveillance Scientific meeting, December 2006.
17. "Tumor marker MicA in Study 1A". Group Health, Breast Cancer Surveillance Scientific meeting, December 2006.
18. "The quality of cancer care from the perspective of patients, family members, and providers". Group Health All Staff meeting, April 2007.
19. "Group Health – SEER data capture". Group Health Cancer Researchers Meeting, April, 2007.
20. "Bra size and breast cancer stage". Group Health, Breast Cancer Surveillance Scientific meeting, September 2007.
21. "Patient-centered communication in cancer care: different perspectives on the quality of cancer care". Group Health, Group Health Research Institute seminar, July 2008.
22. "Recommendation for short-interval follow-up exams after a probably benign assessment – is clinical practice consistent with BI-RADS guidance?" FAVOR meeting, January 2009.
23. "Building a Population Laboratory for Pharmacoepidemiologic and Pharmacogenomic Studies in Cancer: Cardiotoxicity following Systemic Therapy for Breast Cancer". Pharmacoepidemiology interest group meeting, November 2009.
24. "COMBO: Uptake of tamoxifen and aromatase inhibitors in a cohort of breast cancer patients". Pharmacoepidemiology interest group meeting, July 2010.
25. "Anesthesia and dementia risk", ACT Symposium, August 4, 2014.
26. "Use of natural language processing in breast cancer research", CHASE WIP, January 26, 2015.
27. "Cancer and subsequent dementia risk", ACT Symposium, August 17, 2015.
28. "How do we measure resilience to brain aging, dementia, and Alzheimer's disease?" ACT Symposium, Seattle, WA August 2017.
29. "ACT Data Query Tool." ACT Symposium, Seattle, WA August 2017.

Selected poster presentations

1. **Aiello EJ**, Tworoger SS, Ulrich CM, Rajan K, Fay M, McTiernan A. Little Association Between CYP17, CYP1B1, or COMT Polymorphisms and Steroid Sex Hormones in Post-Menopausal

- Breast Cancer Patients. 2002 Proceedings of the American Association for Cancer Research April 6-10, 2002 San Francisco, CA.
2. Palomares MR, **Aiello E**, Lehman CD, Gralow JR, McTiernan A. Mammographic breast density as a noninvasive surrogate marker of breast cancer risk modification: A comparison of density assessment methods. 2003 Proceedings of the American Association for Cancer Research April 5-9, 2003 Toronto, Ontario, Canada.
 3. **Aiello E**, Taplin S, Reid R, Paschall M, Seger D, Kamel H, Tufano J, Ballard-Barbash R. Electronic Data Collection from Patients on Breast Cancer Risk Factor Information in a Mammography Setting. HMO Research Network meeting, Dearborn, MI, May 3-5, 2004.
 4. **Aiello EJ**, Buist DSM, White E. Association between hormone therapy and breast density modified by breast cancer risk factors. American Association for Cancer Research: Frontiers in Cancer Prevention Research meeting, Seattle, WA, Oct. 16-19, 2004.
 5. 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 Annual Meeting, March 13-15, 2005, San Francisco, CA. (Poster presentation; 3rd place award).
 6. Buist DSM, Newton KM, Reed S, Anderson ML, **Aiello EJ**, Palmer L, Seger D. Can short-term hormone therapy (HT) cessation before mammography decrease breast density and improve mammography performance? A randomized trial – the READ study. Era of Hope 2005 – Department of Defense Breast Cancer Research Program meeting. June 8-11, 2005, Philadelphia, PA.
 7. Buist DSM, **Aiello EJ**, Miglioretti DL, Mahoney L, White E. Mammographic breast density, dense area, and breast area by phase in the menstrual cycle. San Antonio Breast Cancer Symposium, December 8-11, 2005, San Antonio, TX.
 8. **Aiello EJ**, Geiger AM, Pardee R, Buist DSM, Hart G, Greene SM, Lamerato L, Field T, Wagner E. Diffusion of Aromatase Inhibitors for Breast Cancer. American Society of Preventive Oncology Annual Meeting, February 27-28, 2006, Bethesda, MD. (Poster presentation, 1st place award).
 9. **Aiello EJ**, Geiger AM, Pardee R, Buist DSM, Hart G, Greene SM, Lamerato L, Field T, Wagner E. Diffusion of Aromatase Inhibitors for Breast Cancer. International Society of Pharmacoepidemiology meeting, August 24-26, 2006, Lisbon, Portugal.
 10. **Aiello EJ**, Buist, DSM, Haneuse S, Elmore, JG. Reducing Delays in Diagnosis – Characteristics of Women with Timely Follow-up after and Abnormal Mammogram. American Society of Preventive Oncology Annual Meeting, March 1-4, 2007, Houston, TX; and HMO Research Network meeting, Portland, OR, March 19-21, 2007.
 11. Buist DSM, **Aiello EJ**, Haneuse S, Elmore JG. Falling through the Cracks – Characteristics of Women without Follow-up after an Abnormal Mammogram. American Society of Preventive Oncology Annual Meeting, March 1-4, 2007, Houston, TX; and HMO Research Network meeting, Portland, OR, March 19-21, 2007.
 12. **Aiello EJ**, Tuzzio L, Wiese C, Kirlin B, Greene SM, Wagner EH. Developing a Model for High Quality Cancer Care – Results from Expert Interviews. HMO Research Network meeting, Portland, OR, March 19-21, 2007.
 13. **Aiello EJ**, Tuzzio L, Wiese C, Kirlin B, Greene SM, Wagner EH. Developing a Model for High Quality Cancer Care – Results from Community Focus Groups. HMO Research Network meeting, Portland, OR, March 19-21, 2007.
 14. Greene SM, Kirlin B, Tuzzio L, **Aiello EJ**, Wagner EH. Developing a Model for High Quality Cancer Care – Results from a Literature Review. HMO Research Network meeting, Portland, OR, March 19-21, 2007.
 15. Tuzzio L, Kirlin B, **Aiello EJ**, Greene SM, Wagner EH. Developing a Model for High Quality Cancer Care – Results from Visiting Organizations in Three Communities. HMO Research Network meeting, Portland, OR, March 19-21, 2007.

16. Tuzzio L, **Aiello Bowles EJ**, Altschuler A, Williams AE, Ritzwoller DP, Nekhlyudov L. The Feasibility of a Feasibility Study: Using the VDW to Assess the Diffusion of Ovarian Cancer Treatment. HMO Research Network meeting, Minneapolis, MN, April 13-16, 2008.
17. **Aiello Bowles EJ**, Anderson ML, Reed SD, Newton KM, Fitzgibbons ED, Seger D, Buist DSM. Tolerance for short-term hormone therapy suspension related to mammographic breast density among postmenopausal women. Presented at ASPO, Tampa, FL, March 9-10, 2009.
18. Reed SD, Buist DSM, Anderson ML, **Aiello Bowles EJ**, Fitzgibbons D, Seger D, Newton KM. Short-term (1-2 months) hormone therapy cessation before mammography. Presented at ASPO, Tampa, FL, March 9-10, 2009.
19. Sprague BL, Trentham-Dietz A, Skinner HG, Buist DSM, Burnside ES, **Aiello Bowles EJ**, Gangnon RE, Sisney GS. The vitamin D pathway and mammographic breast density. Presented at ASPO, Washington DC, March 21-23, 2010.
20. Horner K, Wagner E, **Aiello Bowles E**, Kirlin B, Tuzzio L. The benefits of stakeholder involvement in research: experiences from our oncology nurse navigator clinical trial. Presented at HMORN, Austin, TX, March 21-24, 2010.
21. Feigelson HS, Bischoff K, Broecker K, **Bowles EA**, Engel J, James TA, Onitilo A, Single RM, McCahill L. Improving breast cancer surgery quality through a collaborative surgical database. Presented at HMORN, Austin, TX, March 21-24, 2010.
22. Sprague BL, Trentham-Dietz A, Gangnon RE, Buist DSM, Burnside ES, **Aiello Bowles EJ**, Sisney GS. Circulating sex hormones and mammographic breast density. Presented at SER, Seattle, WA, June 23-26, 2010.
23. Romaine MA, Buist DSM, **Aiello Bowles EJ**, Anderson ML. Comparative effectiveness of reminder letters for mammography. Presented at Academy Health, Boston, MA June 27-29, 2010.
24. **Bowles EJA**, Buist DSM, Chubak J, Yu O, Boudreau DM. Uptake of tamoxifen and aromatase inhibitors in women with early stage, invasive breast cancer in a community setting, 2001-2008. Presented at American Society of Preventive Oncology annual meeting, Las Vegas, NV, March 5-8, 2011.
25. Buist DSM, **Aiello Bowles EJ**, Gao H, Brandzel S, Romaine MA, Anderson ML, Rutter C. Transition from mammogram-specific reminders to annual birthday letters for breast cancer prevention. Presented at International Cancer Screening Network Meeting, Sydney, Australia, October 23-25 2012.
26. Nyante SJ, Sherman ME, Pfeiffer RM, Berrington A, Brinton LA, **Aiello Bowles E**, Hoover RN, Glass A, Gierach GL. Patterns of longitudinal change in mammographic density among tamoxifen users. Presented at American Association of Cancer Research Frontiers in Cancer Prevention meeting, National Harbor, MD, October 27-30, 2013
27. Brandzel S, **Bowles E**, Gao H, Wieneke A, Kimbel K, Bradford SC, Buist D. Improving response to cancer screening reminders: one size does not fit all. Presented at Academy Health annual meeting, San Diego, CA, June 8-10, 2014.
28. Larson EB, Crane PK, **Bowles EJ**, Walker R, Anderson ML, White D, Richmire K, LaCroix A, McCurry SM, Teri L, Mukherjee S, Montine TJ. The Group-Health University of Washington Adult Changes in Thought study: A living, learning laboratory for aging and multiple chronic conditions research. HMORN meeting, Long Beach, CA, March 11-13, 2015.
29. **Aiello Bowles EJ**, Larson EB, Pong RP, Walker RL, Anderson M, Yu O, Gray SL, Crane PK, Dublin S. Anesthesia exposure and risk of dementia and Alzheimer's disease: a prospective study. International Conference on Pharmacoepidemiology & Therapeutic Risk Management. Boston, MA. August 22-26, 2015.
30. Larson EB, **Bowles EJ**, Crane PK, Walker R, Anderson ML, White D, Richmire K, LaCroix A, McCurry SM, Teri L, Mukherjee S, Montine TJ. News from the Adult Changes in Thought (ACT)

- study: A long standing living laboratory of aging funded for five more years. HCSRN meeting, Atlanta, GA, April 13-16, 2016.
31. Marlow EC, Langholz B, Smith-Bindman R, Kwan ML, **Bowles EJ**, Weinmann S, Miglioretti DL. Evaluating Down Syndrome as a potential confounder for pediatric CT exam exposure and leukemia risk. Radiation Research Society and Conference on Radiation and Health meeting, Hawaii, October 2016.
 32. D Miglioretti¹, M Kwan, S Weinmann, **E Bowles**, W Bolch, J Duncan, L Kushi, L Yueju, E Marlow, K Theis, K Deosaransingh, M Francisco, J DeVault, M Lakoma, C Manney, J Mor, C Wong, C Jenkins, K Kumar⁹, C Luce, D Multerer, J Munneke, A Uchida, M Troup, R Greenlee, J Pole, A Rahm, N Stout, R Smith-Bindman. Current exposure to computed tomography imaging in US integrated health care systems. Radiation Research Society and Conference on Radiation and Health meeting, Hawaii, October 2016.
 33. **Aiello Bowles EJ**, Walker RL, Anderson ML, Dublin S, Crane PK, Larson EB. Risk of Alzheimer's disease following a cancer diagnosis. Alzheimer's Association International Conference, London, July 2017.
 34. **Aiello Bowles EJ**, Walker RL, Crane PK, Keene CD, Chubak J, Anderson ML, LaCroix AZ, Larson EB. How do we measure resilience to brain aging, dementia, and Alzheimer's disease? Alzheimer's Association International Conference, London, July 2017.
 35. Bradford SC, **Bowles E**. Less is More: Results of a HOS Improvement Study. National Quality Conference, Anaheim, CA June 2017.
 36. Brentnall AR, Cuzick J, Buist DSM, **Bowles E**. Evaluation of the Tyrer-Cuzick model of breast cancer risk with BIRADS density in a screening cohort from Washington state. 8th annual Breast Density and Cancer Risk Assessment workshop, San Francisco, CA June 2017.
 37. **Bowles EJ**, Yu O, Ziebell R, Chen L, Boudreau D, Ritzwoller DP, Hubbard R, Boggs J, Burnett-Hartman A, Sterrett A, Fujii M, Chubak J. Cardiovascular medication use and risks of colon cancer recurrences and second cancers. American Society for Preventive Oncology, New York, NY, March 2018; and Kaiser Permanente National Oncology Symposium, San Francisco, CA, April 2018.
 38. Wernli KJ, **Bowles EA**, Evans C, Gao H, Hansen K, Knerr S, Leppig K, Schwartz MD, O'Neill S. Patient characteristics associated with participation in a web-based decision support trial for women at increased breast cancer risk: ENGAGED 2 trial. American Society for Preventive Oncology, New York, NY, March 2018

I. PROFESSIONALLY RELATED COMMUNITY SERVICE

Membership Committee, Society for Epidemiologic Research, 2017-present
 Breast Cancer Screening Guidelines Implementation Committee, Kaiser Permanente Washington, 2017
 Cancer Researchers Group Lead, Kaiser Permanente Washington Health Research Institute, 2017
 Programmer Supervisor Hiring Committee, Group Health Research Institute, 2015-16
 Lake Washington Institute of Technology, Bachelor's in Public Health Advisory Board – 2013-2017
 Partnership for Innovation committee, Group Health Research Institute, 2010-2014
 Chair Cancer Researchers Group, Group Health Research Institute, 2010-2013
 Produce Group Health Radiology Report for mammographers, Group Health, 2003-2013
 Promotions review committee for Clarissa Hsu, Group Health Research Institute, 2011
 LDT advisory committee, Group Health Research Institute, 2010
 Faculty advisor group to Survey, Group Health Research Institute, 2009
 Faculty Development working group, Group Health Research Institute, 2009
 Faculty Review working group, Group Health Research Institute, 2009
 Strategic Direction Setting Committee, Group Health Research Institute, 2008-2009.

Scientific Policy Committee, Group Health Research Institute, 2007-2010. (Chair, 2008-2009)
Research Implementation Committee, Breast Cancer Surveillance Consortium, 2007-2008.
Menopause working group, Breast Cancer Surveillance Consortium, 2006-2009.
Junior Investigator Session Planning Committee, American Society of Preventive Oncology, 2006-2008
Chaired working group to revise Breast Cancer Screening Program Survey, Group Health, 2006
Pathology working group, Breast Cancer Surveillance Consortium, 2005-2009
Faculty retreat planning committee, Group Health Research Institute, 2005
Chaired working group to revise Breast Cancer Screening Program Survey, Group Health, 2004

J. TEACHING HISTORY

Instructor, Epidemiology 101, Group Health Research Institute, 2015.
Guest lecturer, Lake Washington Institute of Technology, "Practical and real-life examples of epidemiology", June 9, 2015
Guest lecturer, University of Washington MEDEX Physician Assistants training program, "Randomized Clinical Trials", June 26, 2013
Guest lecturer, University of Washington MEDEX Physician Assistants training program, "Randomized Clinical Trials", June 28, 2012
Instructor, Epidemiology 101, Group Health Research Institute, 2007.
Teaching Assistant, Environmental Health and Quality class, University of California, Irvine, 2000.

K. ADVISING AND FORMAL MENTORING

Mentor, Arika Wieneke, Bachelor's Student, Whitman College, 2013-2014.
Mentor, Sarah Lowry, PhD Candidate, University of Washington,, 2010-2012.
Mentor, Melissa Romaine, PhD Candidate, University of Washington, 2009-2011.
Mentor, Elana Feldman, Bachelor's Student, Oberlin, 2007-2008.
Mentor, HeeYon Sohng, Post-doctoral Fellow, Harborview, 2007.
Mentor, Megan Welsh, MPH Student, University of Washington, 2006-2007.
Mentor, Anthony Crest, MPH Student, University of Washington, 2004-2005.