

## Karen J. Wiley Wernli, Ph.D. | Curriculum Vitae

### BIOGRAPHICAL AND EDUCATIONAL INFORMATION

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### **Languages**

English – native language

German and Spanish – speak, read, and write with basic competence.

### **Education**

1995 University of California, San Diego; BS, Animal Physiology and Neuroscience

1998 University of Texas, School of Public Health, Houston; MS, Epidemiology

2006 University of Washington, School of Public Health, Seattle; PhD, Epidemiology

### **PROFESSIONAL POSITIONS**

1995-1996 Staff Research Associate, University of California, San Diego, La Jolla, California

1997-1998 Research Assistant, University of Texas, MD Anderson Cancer Center, Houston, Texas

1998 Comparative Health Intern, London School of Hygiene and Tropical Medicine, London, UK

1999-2000 Study Coordinator, University of Washington, Seattle, Washington

2000-2002 Project Coordinator, Fred Hutchinson Cancer Research Center, Seattle, Washington

2002-2006 Pre-doctoral Research Associate, Fred Hutchinson Cancer Research Center, Seattle, Washington

2007-2009 Post-doctoral Research Associate, Fred Hutchinson Cancer Research Center, Seattle, Washington

2009-2011 Research Associate II, Kaiser Permanente Washington Health Research Institute, Seattle, Washington

2011-2012 Research Associate III, Kaiser Permanente Washington Health Research Institute, Seattle, Washington

- 2012-2016 Assistant Investigator, Kaiser Permanente Washington Health Research Institute, Seattle, Washington
- 2012-2017 Affiliate Assistant Professor, University of Washington, Department of Health Services, Seattle, Washington
- 2016- Associate Scientific Investigator, Kaiser Permanente Washington Health Research Institute, Seattle, Washington
- 2017- Affiliate Associate Professor, University of Washington, Department of Health Services, Seattle, Washington
- 2019- Affiliate Associate Professor, University of Washington, Department of Epidemiology, Seattle, Washington

**PROFESSIONAL HONORS & AWARDS**

- 1997-1998 Grossmont Hospital Student Scholarship
- 1997-1998 National Cancer Institute, Cancer Prevention Fellow Short-Term Intern
- 2003-2006 National Institute for Environmental Health Sciences, Environmental and Molecular Epidemiology Fellow, Pre-Doctoral Fellow
- 2008 Prevent Cancer Foundation and American Society of Preventive Oncology Cancer Prevention Research Fellowship
- 2008-2010 National Institute of Health, Loan Repayment Program Awardee
- 2010-2013 K12 Comparative Effectiveness Research Scholar
- 2011-2012 National Institute of Health, Loan Repayment Program Renewal
- 2016 American Society of Preventive Oncology, Top submitted 16 abstracts
- 2018 Nominee, Outstanding Staff Mentoring Award
- 2019 American Society of Preventive Oncology, Top submitted 14 abstracts
- 2019 Nominee, Outstanding Faculty Mentoring Award
- 2020 Nominee, Michael Von Korff Distinguished Service Award
- 2020 National Cancer Institute, Multilevel Intervention Training Institute Fellow

**MEMBERSHIPS**

- 2005- Society for Epidemiologic Research
- 2007-2013 American Association for Cancer Research
- 2007- American Society for Preventive Oncology
- 2010- AcademyHealth

2014- American Society for Clinical Oncology

## **ORGANIZATIONAL SERVICE**

2012-2014 Lead, Clinical Prevention Research Group (CPRG), Group Health Research Institute

2013-2015 Member and Co-Chair, Scientific Policy Committee (SPC), Group Health Research Institute

2014 Member, GHRI Representative, Group Health Population Health Management Initiative

2014 Member, Faculty Search Committee, Group Health Research Institute

2016-2021 Member, Kaiser Permanente Washington Institutional Review Board

2018-2019 Member and Co-Chair, Scientific Advisory Committee (SAC), Kaiser Permanente Washington Health Research Institute

2018 Member, Equity Team, Kaiser Permanente Washington Health Research Institute

2018 Co-organizer, High School Student Outreach Day, Kaiser Permanente Washington Health Research Institute

2019- Clinical Trials Scientific Lead, Kaiser Permanente National Cancer Institute Community Oncology Research Program

2020 Member, Institute Steering Committee, Kaiser Permanente Washington Health Research Institute

## **OTHER PROFESSIONAL SERVICE**

### ***Professional Society Activities***

2008-2009 Co-Chair, American Society for Preventive Oncology, Young Investigators Workshop, "Transitioning from Mentored Scientist to Career Independence"

2012-2013 Co-Chair, American Society for Preventive Oncology, International Cancer Screening Workshop, "Undertaking Cancer Research in International Settings"

2016-2017 Member, American Society of Preventive Oncology, Annual Meeting Committee

2018, 2020, 2021 Poster Judge, American Society for Preventive Oncology Annual Meeting

### ***Other Committee Work and Service***

1997-1998 Student Representative, Master's of Science, University of Texas, School of Public Health

2002-2003 Member, Epidemiology Seminar Committee, University of Washington, School of Public Health

2004-2005 Member, Department of Epidemiology Student Representative, University of Washington, School of Public Health

2013-2015 Member, Research Committee, University of Washington, Department of Health Services

2016-2020 Volunteer, Seattle King County Medical Clinical

## **SPECIAL NATIONAL & INTERNATIONAL RESPONSIBILITIES**

6/2012	Ad Hoc Member, NIH Small Grants Program for Cancer Epidemiology
9/2012	Ad Hoc Member, Ministry of Health, Singapore, Singapore
2/2013	Ad Hoc Member, Susan G. Komen Puget Sound Chapter
3/2013	Ad Hoc Member, NIH Small Grants Program for Cancer Epidemiology
11/2013	Ad Hoc Member, Maryland Health Technology Assessment
8/2014	Ad Hoc Member, Patient-Centered Outcomes Research Institute, Comparative Effectiveness Research Panel
2/2016	Ad Hoc Member, Ministry of Health, Singapore, Singapore
6/2016	Ad Hoc Member, NIH Health Services Organization and Delivery Study Section
9/2016	Ad Hoc Member, Research Council of Norway
6/2017	Ad Hoc Member, NIH Health Services Organization and Delivery Study Section
1/2018	Ad Hoc Member, American Cancer Society Cancer Control and Prevention: Health Policy and Health Services (CPHPS) Peer Review Committee
6/2018	Ad Hoc Member, American Cancer Society Cancer Control and Prevention: Health Policy and Health Services (CPHPS) Peer Review Committee
1/2019- 12/2023	Standing Member, American Cancer Society Cancer Control and Prevention: Health Policy and Health Services (CPHPS) Peer Review Committee
03/2019, 11/2019	Ad Hoc Member, National Institutes of Health Fellowships: Risk, Prevention and Health Behavior

## **EDITORIAL RESPONSIBILITIES**

Ad hoc reviewer	American Journal of Epidemiology, 2007- Pharmacoepidemiology and Drug Safety, 2008- Cancer Epidemiology Biomarkers and Prevention, 2009- Maturitas, 2010- Journal of Women's Health, 2010- The Lancet Oncology, 2011- Prevention Science, 2012- Annals of Epidemiology, 2012- American Journal of Roentgenology, 2013- American Journal of Preventive Medicine, 2013- Epidemiologic Review, 2013- Journal of Comparative Effectiveness Research, 2013- Reviews on Recent Clinical Trials, 2015-
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Academic Radiology, 2015-  
 Health Services Research, 2016-  
 JAMA Oncology, 2016-  
 Gastroenterology, 2016-  
 Annals of Internal Medicine, 2016-  
 BMC Cancer, 2016-  
 Prevention Science, 2018-  
 JAMA Internal Medicine, 2018-  
 Cancer, 2018-  
 The Patient – Patient Centered Outcomes Research, 2018-  
 Journal of the American Board of Family Physicians, 2019-  
 Annals of Surgical Oncology, 2019-  
 Cancer Medicine, 2020-  
 Breast Cancer Research and Treatment, 2020-  
 Journal of the National Cancer Institute, 2020-  
 Journal of the American College of Radiology, 2020-  
 Journal of Public Health, 2020-  
 Preventive Medicine, 2021-

## RESEARCH FUNDING

### ***Completed Research Funding (as Principal Investigator or Co-Investigator)***

Role:	Research Fellow
Title of Project:	Environmental and Molecular Epidemiology Training Grant.
Source:	National Institute of Environmental Health Sciences Training Award
Project Number:	5T32ES007262-13
Dates of Project:	2003-2006
Effort:	100%
PI:	Harvey Checkoway
Role:	Principal Investigator
Title of Project:	Medications, multivitamins, and breast cancer survival.
Source:	Prevent Cancer Foundation Fellow (Post-doctoral Fellowship Award)
Dates of Project:	2008-2010
Effort:	50%
Direct Costs:	\$80,000
Aim:	<i>To assess medication use and cancer survival in breast cancer survivors.</i>
Role:	Principal Investigator
Title of Project:	Interactive voice response and colorectal cancer screening.
Source:	Group Health Research Institute Development Fund.
Dates of Project:	2008-2010
Effort:	5%
Direct Costs:	\$37,882
Aim:	<i>To compare the effectiveness of IVR to usual care on colorectal cancer screening rates to increase adherence at 3, 6, 9 and 12 months after the intervention.</i>

Role: Scholar (Site PI)  
Title of Project: Comparative Effectiveness Research Scholar  
Source: Career Development Award funded by Agency for Healthcare Research and Quality  
Project Number: K12HS019482  
Dates of Project: 2010-2013  
Effort: 80%  
Direct Costs: \$206,797  
Aim: *A mentored Comparative Effectiveness Research Training Program (K12) at the University of Washington that will equip Scholars with the skills to plan, conduct, and apply practical clinical and health services research.*

Role: Principal Investigator  
Title of Project: Mammographic breast density and ovarian cancer.  
Source: National Cancer Institute  
Project Number: R03 CA159080  
Dates of Project: 2011-2014  
Effort: 10%  
Direct Costs: \$100,000  
Aim: *To estimate the association between mammographic breast density and incident ovarian cancer risk*

Role: Principal Investigator  
Title of Project: Complication rates from complex spine surgery.  
Source: Group Health Research Institute Development Fund  
Dates of Project: 2013-2014  
Effort: 10%  
Direct Costs: \$98,000  
Aim: *To evaluate 30 days and one year complication rates in complex spine patients from 2008-2012.*

Role: Co-Investigator  
Title of Project: Risk-based cancer screening in community settings.  
Source: National Cancer Institute  
Project Number: P01CA149365  
Dates of Project: 2011-2016  
Effort: 5%  
Direct Costs: \$23,965,000  
PI: Diana Miglioretti and Karla Kerlikowske  
Aim: *Project 3, Community-based Utilization of Breast Imaging Technologies, will assess risk-based screening in diverse populations and identify disparities in access and use of new technologies.*

Role: Co-Investigator  
Title of Project: Effectiveness of pre-operative MRI in breast cancer surgery and outcomes.  
Source: National Cancer Institute  
Project Number: R01 CA149365  
Dates of Project: 2012-2016  
Effort: 5%  
Direct Costs: \$695,000  
PI: Tracy Onega

Aim: *To examine the effectiveness of pre-operative breast MRI in women over aged 65 in BCSC and SEER-Medicare*

Role: Project Lead and Co-Investigator  
Title of Project: Systematic Evidence Reviews to Support the U.S. Preventive Services.  
Source: Agency for Healthcare Research and Quality  
Project Number: HHS290201200015i  
Dates of Project: 2014-2016  
Effort: 20%  
Direct Costs: \$233,517  
PI: Evelyn Whitlock  
Aim: *To complete systematic evidence review for skin cancer screening.*

Role: Co-Lead/PI  
Title of Project: Lung cancer screening registry  
Source: Group Health Research Institute Development Fund  
Dates of Project: 2015-2016  
Effort: 5%  
Direct Costs: \$60,000  
Aim: *To build Group Health infrastructure on the conduct of cancer screening.*

Role: Principal Investigator  
Title of Project: The Clare Project 2016  
Source: Group Health Research Institute Development Fund  
Dates of Project: 2016  
Effort: 5%  
Direct Costs: \$54,000  
Aim: *To understand patient, caregiver and provider perspectives in the clinical decision making for AYA patients with advanced cancer.*

Role: Site PI and Primary Mentor  
Title of Project: K12 Mentor awards.  
Source: Agency for Healthcare Research and Quality  
Project Number: K12 HS022982  
Dates of Project: 2015-2016  
Effort: 2%  
Direct Costs: \$10,000  
Aim: *To support senior mentors for K12 Scholars in patient-centered outcomes research in Cohort 2.*

Role: Site PI and Co-Investigator  
Title of Project: Patient Voices: Supporting Patient Involvement in the Learning Health Care System.  
Source: Eugene Washington Patient Engagement Award funded by Patient Centered Outcomes Research Institute.  
Dates of Project: 2015-2017  
Effort: 5%  
Direct Costs: \$16,386  
PI: Danielle Lavalley  
Aim: *To establish training, provide tools, and create a network to help researchers and patients better connect and collaborate in patient-centered outcomes research.*

Role: Site PI and Primary Mentor

Title of Project: K12 Mentor awards.  
Source: Agency for Healthcare Research and Quality  
Project Number: K12 HS022982  
Dates of Project: 2016-2017  
Effort: 2%  
Direct Costs: \$15,000  
Aim: *To support senior mentors for K12 Scholars in patient-centered outcomes research in Cohort 3.*

Role: Project Lead (R01-size project)  
Title of Project: Studying colorectal cancer: effectiveness of screening strategies (SuCESS)  
Source: National Cancer Institute  
Project Number: U54 CA163261  
Dates of Project: 2011-2018  
Effort: 15-25%  
Direct Costs: \$4,705,276  
PI: Jessica Chubak  
Aim: *To generate evidence about how screening is practiced, patient decisions regarding screening modalities, and comparative effectiveness of different screening regimens as practiced.*

Role: Principal Investigator  
Title of Project: Comparative effectiveness of surveillance imaging strategies in breast cancer.  
Source: Patient Centered Outcomes Research Institute  
Project Number: CE-1304-6656  
Dates of Project: 2013-2018  
Effort: 40%  
Direct Costs: \$1,346,619  
Aim: *To compare mammography to MRI using data from the Breast Cancer Surveillance Consortium—the largest collection of breast cancer surveillance data in the nation and will use data from more than 36,000 women diagnosed with breast cancer between 2005 and 2012 to determine how well each test works.*

Role: Principal Investigator  
Title of Project: National trends in end of life care for adolescent and young adult cancer patients  
Source: National Cancer Institute  
Project Number: R21CA205309  
Dates of Project: 2016-2019  
Effort: 15%  
Direct Costs: \$275,000  
Aim: *To describe and compare the receipt of medical, surgical, and pharmacologic interventions in AYA population within the last 30 days and 365 days of life by evaluating temporal trends from 2003 to 2015 and U.S. geographic variation.*

Role: Site PI and Primary Mentor  
Title of Project: K12 Mentor awards.  
Source: Agency for Healthcare Research and Quality  
Project Number: K12 HS022982  
Dates of Project: 2017-2018  
Effort: 2%  
Direct Costs: \$5,000  
Aim: *To support senior mentors for K12 Scholars in PCOR*

Role: Site PI and Primary Mentor



Title of Project: The University of Washington Patient Centered Outcomes Research Partnership (PCOR) Mentor funding  
Source: Agency of Healthcare Research and Quality  
Project Number: R25 HS02320  
Dates of Project: 2018-2019  
Effort: 2%  
Direct Costs: \$5,000  
Aim: *To support senior mentors for scholars in PCOR.*

Role: Principal Investigator  
Title of Project: Project CONNECT  
Source: Kaiser Permanente Washington Health Research Institute Development Fund  
Dates of Project: 2018-2019  
Effort: 5%  
Direct Costs: \$72,609  
Aim: *To describe patient, caregiver and clinician experiences with peer support in complex medical conditions.*

Role: Principal Investigator  
Title of Project: Lung Cancer Screening  
Source: Kaiser Permanente Washington Health Research Institute Development Fund  
Dates of Project: 2019  
Effort: 10%  
Direct Costs: \$85,236  
Aim: *To support patient-centered approach to lung cancer screening.*

Role: Co-Investigator  
Title of Project: Making Medical Decisions with BRCA 1/2  
Source: Kaiser Permanente Washington Health Research Institute Development Fund  
Dates of Project: 2019  
Effort: 5%  
Direct Costs: \$59,957  
PI: Marlaine Figueroa Gray  
Aim: *To understand decision-making as a result of genetic testing*

Role: Site PI  
Title of Project: Applying breast density to risk counseling  
Source: National Cancer Institute  
Project Number: R01CA190221  
Dates of Project: 2015-2019 (NCE)  
Effort: 15%  
Direct Costs: \$701,283  
PI: Suzanne O'Neill  
Aim: *To implement and evaluate a web-based interactive intervention vs. usual care among members of Group Health (aged 40-69) whose high breast density and other risk factors place them at high 5-year (>1.66 percent) or lifetime (>20 percent) risk for breast cancer.*

**Current Research Funding (as Principal Investigator or Co-Investigator)**

Role: Patient Engagement Core Lead  
Title of Project: Comparative effectiveness of breast cancer screening, diagnosis and management in community practice  
Source: Patient Centered Outcomes Research Institute  
Project Number: PCS-1504-30370  
Dates of Project: 2016-2021

Effort: 15%  
Direct Costs: \$3,831,993  
PI: Karla Kerlikowske, Diana Miglioretti, Tracy Onega, Anna Tosteson  
Aim: *To evaluate breast imaging effectiveness by breast density to screen for breast cancer and diagnosis evaluation for newly diagnosed breast cancer.*

Role: Site PI  
Title of Project: Advanced breast imaging: trends and outcomes associated with recent breast density reporting legislation  
Source: National Cancer Institute  
Project Number: R01CA207373  
Dates of Project: 2017-2021 NCE  
Effort: 15%  
Direct Costs: \$132,397  
PI: Natasha Stout  
Aim: *To determine breast imaging changes within a natural experiment of breast density notification laws within the US using commercial claims in women <65*

Role: Site PI  
Title of Project: Comorbidity and screening outcomes among older women undergoing mammography  
Source: National Cancer Institute  
Project Number: R01CA207361  
Dates of Project: 2016-2020 NCE  
Effort: 4%  
Direct Costs: \$545,142  
PI: Dejana Braithwaite  
Aim: *To evaluate breast cancer screening outcomes in SEER-Medicare.*

Role: Co-Investigator  
Title of Project: Risk-based breast cancer screening and surveillance in community practice  
Source: National Cancer Institute  
Project Number: P01CA154292  
Dates of Project: 2017-2022  
Effort: 7%  
Direct Costs: \$955,914  
PI: Diana Miglioretti, Karla Kerlikowske, Anna Tosteson  
Aim: *To evaluate breast cancer screening in community practice in US.*

Role: Site PI and Primary Mentor  
Title of Project: Implementation and Effectiveness of Multicomponent Genomic Health Care Interventions for Hereditary Breast and Ovarian Cancer Prevention: A Natural Experiment in an Integrated Health Systems  
Source: National Human Genome Research Institute  
Dates of Project: 2019-2022  
Project Number: K08 HG010488  
Effort: OSC  
Direct Costs: \$93,791  
PI: Sarah Knerr  
Aim: *To develop trainee in implementation science, genomic medicine and learning health care system.*

Role: Site PI, Cancer Care Delivery Research Lead  
Title of Project: Kaiser Permanente NCI National Community Oncology Research Program  
NCORP Renewal  
Source: National Cancer Institute  
Dates of Project: 2019-2025  
Project Number: UG1CA189821  
Effort: 10%  
Direct Costs: \$379,713  
PI: Marie Suga  
Aim: *To support and execute clinical trials and observational studies within the Kaiser Foundation NCI Community Oncology Research program.*

Role: Project Co-Lead (R01-sized project)  
Title of Project: Clinical Care Gaps and Unmet Needs in Adolescent and Young Adult (AYA) Cancers  
Project 2: Patterns of Care and Patient Experiences During Early Survivorship Among AYA Cancer Survivors (Hahn, Wernli, Chawla)  
Source: National Cancer Institute  
Dates of Project: 2020-2025  
Project Number: P01CA233343  
Effort: 12%  
PI: Larry Kushi, Jessica Chubak, Hazel Nichols, Theresa Keegan  
Aim: *To investigate cancer care and outcomes among ~90,000 AYAs diagnosed with cancer from 2006-2021, including surveys with ~5,000 planned respondents, and clinical and cancer registry data from Kaiser Permanente Northern California, Kaiser Permanente Southern California, and the States of California, North Carolina, and Utah.*

Role: Site PI, Co-Investigator  
Title of Project: A Simulation Modeling Study to Support Personalized Breast Cancer Prevention and Early Detection in High-Risk Women  
Source: National Cancer Institute  
Dates of Project: 2021-2023  
Project Number: R03 CA259896  
Effort: 2%  
Direct costs: \$100,000  
PI: Jinani Jayaserkera  
Aim: *To use CISNET simulation model to synthesize data on clinical risk factors and the impact of early detection with screening and primary prevention with risk-reducing medication to provide personalized data that will help identify women who are more likely to benefit from various interventions or combinations of interventions with the least harms*

### ***Pending Research Funding (as Principal Investigator or Co-Investigator)***

Role: PI  
Title of Project: Multilevel Interventions to Increase Adherence to Lung Cancer Screening  
Source: National Cancer Institute  
Project Number: R01CA262015  
Dates of Project: 2021-2026  
Effort: 30%  
Direct Costs: \$2,499,253  
Aim: *To evaluate impact of two multilevel interventions to improve adherence to lung cancer screening.*

## TEACHING AND MENTORING RESPONSIBILITIES

### *Teaching Activities*

- 2003 Teaching Assistant, Undergraduate Epidemiology course, Department of Epidemiology, University of Washington, Seattle WA
- 2005-2006 Teaching Assistant, Epidemiology and Biostatistics course, School of Medicine, University of Washington, Seattle WA
- 2008 Instructor, Epidemiology course, Seattle Midwifery School, Seattle WA
- 2011-2013 Guest lecturer, Graduate seminar, School of Social Work, University of Washington, Seattle WA
- 2014 Guest lecturer, HSERV 592K Graduate Student Seminar, Department of Health Services, University of Washington, Seattle WA. January 2014
- 2014 Guest lecturer, PHARM 597 Graduate Student Seminar, Department of Pharmaceutical Outcomes Research Program, University of Washington, Seattle WA. December 2014.
- 2015 Guest lecturer, EPI 583 Graduate Student Seminar, Department of Epidemiology, University of Washington, Seattle, WA. April 2015
- 2015 Guest lecturer, Epidemiology 101, Kaiser Permanente Washington Health Research Institute
- 2016 Preceptor, EPI 514 Applications in Epidemiologic Methods, Department of Epidemiology, University of Washington, Seattle, WA. Spring 2016
- 2016 Seminar speaker, University of Washington, Surgical Outcomes Research Center (SORCE) Fellows Methods seminar, Seattle, WA, December 2016
- 2018 Peer reviewer, Mock Study section for K12 and KL2 Scholars
- 2019 Guest lecturer, Epidemiology 101, Kaiser Permanente Washington Health Research Institute

### *Thesis Committees*

- Master's thesis Cameron Haas (Member), 2015-2017  
Title: "Patterns in completion of colorectal cancer screening using fecal immunochemical tests in a health maintenance organization setting"
- Sharon Hwee (Chair), 2017-2018  
Title: U.S. opioid prescribing trends for adolescent and young adult cancer patients in last year of life, 2002 – 2016: A study from the Clare Project"
- Doctoral thesis Cameron Haas (Member), 2017-2021  
Title: "The genetics of sex hormones and their effects on mammographic density in women"

## ADVISING & FORMAL MENTORING

### *Junior scientists*

- 2014-2016 Josh Roth, PhD, Assistant Member and K12 Scholar, Fred Hutchinson Cancer Research Center, served as secondary mentor

- 2015-2016 Sara Javid, MD, Associate Professor, Department of Surgery, University of Washington, served as CRN mentor member
- 2015-2020 Marlaine Gray, PhD, Research Associate and Assistant Investigator, Kaiser Permanente Washington Health Research Institute, serve as a primary mentor
- 2016- Sarah Knerr, PhD, Assistant Professor and K12 Fellow at University of Washington, serve as a primary mentor on K12 and K08 awards
- 2016-2019 Zachary Marcum, PhD, Assistant Professor and K12 Scholar, University of Washington, served as a secondary mentor

***Post-Doctoral Fellows***

- 2015-2016 Carolyn Bennette, PhD, Post-doctoral Fellow and K12 Scholar, University of Washington, served as primary mentor
- 2015-2016 Sarah Knerr, PhD, Post-doctoral Fellow at Group Health Research Institute, served as a secondary mentor.

***Doctoral students***

- 2017-2021 Cameron Haas, PhD student, Department of Epidemiology, University of Washington, serve as primary mentor
- 2019 Matthew Wise, Medical student, University of North Texas Health Science (UNTHSC), Texas College of Osteopathic Medicine (TCOM), serve as research preceptor

***Master's students***

- 2010-2012 Hannah Cohen-Cline, MPH student, served as a primary mentor
- 2015-2017 Cameron Haas, MPH Student, Department of Epidemiology, University of Washington, served as a primary mentor
- 2017-2018 Sharon Hwee, MS Student, Department of Health Services, University of Washington, served as a primary mentor

***Undergraduate students***

- 2012-2013 Danielle Olmstead, Undergraduate Group Health Student Intern, served as primary mentor
- 2013 Sandra Hwang, Undergraduate Group Health Student Intern, served as primary mentor

**PUBLICATIONS**

Web of Science: h-index 23  
 Scopus: h-index 27  
 Google Scholar: h-index 32  
 Research Gate: 40.79

***Published papers in refereed journals***

\*Primary mentor

\*\*Senior author

1. Klonoff-Cohen HS, Edelstein SL, Lefkowitz ES, Srinivasan IP, Kaegi D, Chang JC, **Wiley KJ**. The effect of passive smoking and tobacco exposure through breast milk on sudden infant death syndrome. *JAMA* 1995;273(10):795-798.
2. Machevsky AM, Patel S, **Wiley KJ**, Stephenson MA, Gondo M, Brown RS, Yi ES, Benedict WF, Anton RC, Cagle PT. Artificial neural networks and logistic regression as tools for prediction of survival in patients with Stages I and II non-small cell lung cancer. *Mod Pathol* 1998;11(7):618-625.
3. Airewele GE, Sigurdson AJ, **Wiley KJ**, Frieden BE, Caldarera LW, Riccardi VM, Lewis RA, Chintagumpala MM, Ater JL, Plon SE, Bondy ML. Neoplasms in Neurofibromatosis 1 are related to gender but not to family history of cancer. *Genet Epidemiol* 2001;20(1):75-86.
4. **Wernli KJ**, Ray RM, Dao GL, Thomas DB, Checkoway H. Cancer among women textile workers in Shanghai, China: overall incidence patterns, 1989-1998. *Am J Ind Med.* 2003;44(6):595-9
5. Camp JE, Seixas NS, **Wernli K**, Fitzgibbons D, Astrakianakis G, Thomas DB, Gao DL, Checkoway H. Development of cancer research study in Shanghai textile industry. *Int J Occup Environ Health.* 2003;9(4):347-56.
6. De Roos AJ, Ray RM, Gao DL, **Wernli KJ**, Fitzgibbons ED, Feng Z, Astrakianakis G, Thomas DB, Checkoway H. Colorectal cancer incidence among female textile workers in Shanghai, China: A case-cohort analysis of occupational exposures. *Cancer Causes Control.* 2005;16(10):1177-1188.
7. Wong E, Ray R, Gao DL, **Wernli KJ**, Li W, Fitzgibbons ED, Feng Z, Thomas DB, Checkoway H. Reproductive history, occupational exposures and thyroid cancer risk among women textile workers in Shanghai, China. *Int Arch Occup Environ Health* 2006;79(3):251-258.
8. Chang CK, Astrakianakis G, Thomas DB, Seixas DB, Ray RM, Gao DL, **Wernli KJ**, Fitzgibbons ED, Vaughan TL, Checkoway H. Occupational exposures and risks of liver cancer among Shanghai female textile workers – A case-cohort study. *Int J Epidemiol* 2006;35(2):361-369.
9. Li W, Ray RM, Gao DL, Fitzgibbons ED, Seixas NS, Camp JE, **Wernli KJ**, Astrakianakis G, Feng Z, Thomas DB, Checkoway H. Occupational risk factors for nasopharyngeal cancer among female textile workers in Shanghai, China. *Occup Environ Med* 2006;63(1):39-44. PMC2078032
10. **Wernli KJ**, Fitzgibbons ED, Ray RM, Gao DL, Li W, Seixas N, Camp JE, Astrakianakis G, Feng Z, Thomas DB, Checkoway H. Occupational risk factors for esophageal and stomach cancers among female textile workers in Shanghai, China. *Am J Epidemiol* 2006;163(8):717-725.
11. Gold L, De Roos AJ, Ray RM, **Wernli KJ**, Fitzgibbons ED, Gao DL, Astrakianakis G, Thomas DB, Feng Z, Checkoway H. Brain tumors and occupational exposures in a cohort of female textile workers in Shanghai, China. *Scand J Work Environ Health* 2006;32(3):178-184.
12. Chang CK, Astrakianakis G, Thomas DB, Seixas NS, Camp JE, Ray RM, Gao DL, **Wernli KJ**, Li W, Fitzgibbons ED, Vaughan T, Checkoway H. Risks of biliary tract cancer and occupational exposures among Shanghai women textile workers: a case-cohort study. *Am J Ind Med* 2006;49(8):690-698.
13. **Wernli KJ**, Ray RM, Gao DL, De Roos AJ, Checkoway H, Thomas DB. Menstrual and reproductive factors in relation to risk of endometrial cancer in Chinese women. *Cancer Causes Control* 2006;17(7):949-955.
14. **Wernli KJ**, Astrakianakis G, Camp J, Ray RM, Chang CK, Li GD, Thomas DB, Checkoway H, Seixas N. Development of a job exposure matrix (JEM) for the textile industry in Shanghai, China. *J Occup Environ Hyg* 2006;3(10):521-529.
15. Li W, Ray RM, Gao DL, Fitzgibbons ED, Seixas NS, Camp JE, **Wernli KJ**, Astrakianakis G, Feng Z, Thomas DB, Checkoway H. Occupational risk factors for pancreatic cancer among female textile workers in Shanghai, China. *Occup Environ Med* 2006;63(12):788-93. PMC2078009
16. Rosenblatt KR, Gao DL, Ray RM, Rowland MR, Nelson ZC, **Wernli KJ**, Li W, Thomas DB. Induced abortions and the risk of all cancers combined and site-specific cancers in Shanghai. *Cancer Causes Control* 2006;17(10):1275-1280.

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### **Accepted peer-reviewed papers in press**

1. Schifferdercker KE, Vaclavik D, **Wernli KJ**, Buist DSM, Kerlikowske K, Sprague BL, Henderson LM, Johnson D, Budesky J, Jackson-Nefertiti G, Miglioretti D, Tosteson ANA. Women's considerations and experiences for breast cancer screening and surveillance during the COVID-19 pandemic in the United States: A focus group study. In press, Preventive Medicine.
2. Lowry KP, Callaway K, Lee JM, Zhang F, Ross-Degnan D, Wharam JF, Kerlikowske K, **Wernli KJ**, Kurian A, Stout NK. Trends in Annual Surveillance Mammography Utilization Among Breast Cancer Survivors from 2004 to 2016. In press, J NCCN.
3. Kerlavage AR, Kirchhoff AC, Guidry Auvil JM, Sharpless NE, Davis KL, Reilly K, Reaman G, Penberthy L, Deapen D, Hwang A, Durbin E, Gallotto S, Aplenc R, Volchenboum S, Heath A, Aronow B, Zhang J, Vaske O, Alonzo T, Nathan P, Poynter J, Armstrong G, Hahn E, **Wernli KJ**, Greene C, DiGiovanna J, Resnick A, Shalley E, Nadaf S, Kibbe W. Cancer Informatics for Cancer Centers (CI4CC): Scientific Drivers for Informatics, Data Science, and Care in Pediatric, Adolescent, and Young Adult (AYA) Cancer. In press, J Clin Oncol Clinical Cancer Informatics.

### **Refereed Reports**

1. **Wernli KJ**, Henrikson NB, Morrison CC, Nguyen M, Pocobelli G, Whitlock E. Skin Cancer in Adults: Screening. Evidence Report/Technology Assessment No. 14-05210-EF-1(Prepared by Kaiser Permanente Research Affiliates Evidence-based Practice Center under Contract No. HHS290201200015i) Rockville, MD: Agency for Healthcare Research and Quality; 2016.
2. **Wernli KJ**, Brandzel SD, Buist DSM, Bush M, DeMartini W, Ichikawa L, Haas C, Henderson LM, Johnson D, Kerlikowske K, McColgin D, Miglioretti CL, Nekhlyudov L, Onega T, Rosenberg DE. Comparative effectiveness of surveillance imaging modalities in breast cancer survivors. (2019) Washington, DC: Patient-Centered Outcomes Research Institute (PCORI). PMID: 32453519

### **Non-refereed research articles**

1. Astrakianakis G, Seixas NS, Ray RM, Camp JE, Gao DL, Feng Z, Li W, **Wernli KJ**, Fitzgibbons ED, Thomas DB, Checkoway H. Re: Lung cancer risk among female textile workers exposed to endotoxin. J Natl Cancer Inst 2010;102(12):1-2.
2. Braithwaite D, **Wernli KJ**, Anton-Culver H, Engstrom P, Greenberg ER, Meyskens F. Opportunities for cancer epidemiology and control in low- and middle-income countries: A report from the ASPO International Cancer Prevention Interest Group. Cancer Epidemiol Biomarkers Prev 2010;19(7):1665-1667.
3. Carlos RC, Buist DS, **Wernli KJ**, Swan JS. Patient-centered outcomes in imaging: quantifying value. J Am Coll Radiology 2012;9(10):725-728. PMID: PMC3810945

4. **Wernli KJ**, Inadomi JM. Anesthesia for colonoscopy: too much of a good thing? *JAMA Intern Med* 2013;173(9):807-816.
5. **Wernli KJ**, Brenner A, Rutter CM, Inadomi JM. Response to sedation and colonoscopy. *Gastroenterology* 2016;151(3):564

### **Book Chapters**

1. Newcomb PA, **Wernli KJ**. Risk Factors. In Breast Cancer: Risk Reduction and Early Detection Strategies. Edited by E. Sauter and M. Daly. Springer. New York City, 2010, pages 3-22.
2. **Wernli KJ**, Inadomi J. Sedation issues in colonoscopy: quality and economic considerations. In Colorectal Cancer Screening. Edited by J. Allen and S. Haukat. Springer. New York City, 2015, 141-151.
3. **Wernli KJ**, Bowles EA. Breast cancer screening: evidence and recommendations. In Rotation in Radiology: Breast Imaging. Edited by C. Lee, C. Lehman, and L. Bassett. Oxford University Press, 2018, 14-18.

### **Published Technical Reports**

1. Lavalley DC, Gore JL, Lawrence SO, Lindsay J, Marsh S, Scott MR, **Wernli K**. Initiative to Support Patient Involvement in Research (INSPIRE): Findings from Phase I Interviews [Internet]. September 2016. Available from: <http://www.becertain.org/projects/patient-engagement>
2. Lavalley DC, Gore JL, Lawrence SO, Lindsay J, Marsh S, Scott MR, **Wernli K**. Initiative to Support Patient Involvement in Research (INSPIRE): Community Workshop Report [Internet]. October 2016. Available from: <http://www.becertain.org/projects/patient-engagement>

### **Published abstracts**

1. **Wernli K**, Hubbard R, Johnson E, Chubak J, Kamineni A, Rutter C. A2-1: Patterns of colorectal cancer testing in men and women newly eligible screening. *Clin Med Res* 2013;11(3):123.
2. **Wernli KJ**, Arao RF, Hubbard RA, Sprague B, Alford-Teaster J, Haas J, Henderson L, Hill D, Lee C, Tosteson A, Onega T. How have breast cancer screening intervals changed since the 2009 USPSTF guideline update? *Cancer Epidemiol Biomark Prev* 2016;25:558
3. **Wernli KJ**, Callaway KA, Henderson LM, Kerlikowske K, Lee JM, Ross-Degnan D, Wallace JK, Wharam JF, Zhang F, Stout NK. Trends in breast MRI use among women with BRCA mutations: A national claims analysis 2006-2016. *Cancer Epidemiol Biomark Prev* 2019;28(3):624.
4. Tuzzio L, Palazzo L, Brush S, Ehrlich K, Anderson M, Gao H, **Wernli KJ**. Co-designing cancer screening interventions with people over 55 years old at risk for lung cancer. *Innovation in Aging*, Volume 3, Issue Supplement\_1, November 2019, Pages S917–S918.
5. **Wernli KJ**, Tuzzio L, Brush SA, Ehrlich K, Gao H, Anderson M, Palazzo L. Understanding Stakeholder Perspectives in Developing User-Centered Design Interventions to Improve Lung Cancer Screening Adherence at Kaiser Permanente Washington. *Am J Respir Crit Care Med* 2020;201:A5942.

### **Under Review/In Preparation**

1. Thompson MJ, Zigman Suchsland M, Hardy V, Lavalley D, Jarvik J, Walter F, Trikalinos T, Findlay S, Chou R, Green B, **Wernli KJ**, Lord S, Devine B, Bossuyt P. Patient centered outcomes of imaging tests: recommendations for patients, clinicians, and researchers. *Revise and Resubmit, BMC Quality and Safety*.

2. \*\*Bowles EJA, O'Neill SC, Li T, Knerr S, Mandelblatt JS, Schwartz MD, Jayasekera J, Leppig K, Ehrlich K, Farrell D, Gao H, Graham AL, Luta G, **Wernli KJ**. Effect of a randomized trial of a web-based intervention on patient-provider communication about breast density. Revise and resubmit, J of Women's Health.
3. **Wernli KJ**, Evers S, Haas CB, Berthoud H, Norris CM, Wise M, Rosenberg DE. Peer support needs of young adult patients with self-identified complex medical conditions: opportunities for improved connection with clinical care. Under review, Perm J.
4. Conley CC, **Wernli KJ**, Knerr S, Li T, Leppig K, Ehrlich K, Farrell D, Gao H, Bowles EJA, Graham AL, Luta Jayasekera J, Mandelblatt JS, Schwartz MD, O'Neill SC. Using Protection Motivation Theory to predict intentions for breast cancer risk management: Intervention mechanisms from a randomized controlled trial. Under review, Journal of Behavioral Medicine.
5. Callaway K, Zhang F, Kerlikowske K, Henderson LM, Lee JM, Ross-Degnan D, Wallace JK, Wharam JF, **Wernli KJ**, Stout NK. Changes in Supplemental Breast Imaging Up to Three Years After State Breast Density Notification Laws: A National Claims-Based Study. In preparation for Health Affairs.
6. **Wernli KJ**, Smith R, Henderson L, Zhao W, Durham D, Shifferdecker K, Kaplan C, Buist DSM, Kerlikowse K, Miglioretti D, Onega T, Sprague B, Rauscher G, Nerfitti-Jackson G, Budesky J, Johnson D, Tosteson ATA. Decision quality and regret with diagnostic work-up with breast MRI in women with breast cancer. In preparation for Breast Cancer Research and Treatment.

## Media coverage

### 1. Patterns of breast magnetic resonance imaging use in community practice

- [JAMA] (2014, November 18). Patterns of breast MRI use in practice. [Video file]. Retrieved from: [The JAMA Network](#)
- Alliance of Community Health Plans (ACHP), Nov 18, 2013 [High-risk women get breast MRI—but room remains for improvement](#)
- Daily Rx, Nov 18, 2013 [Why breast MRI is increasing](#)
- Healthday (syndicated in [Philadelphia Inquirer](#), [US National Library of Medicine](#), [Oncology Nurse Advisor](#), etc.), Nov 18, 2013 [Use of breast MRIs way up, studies find](#)
- Medical Xpress, Nov 18, 2013 [Two new studies on the use of breast MRI](#)
- Medpage Today, Nov 18, 2013 [Breast MRI use up despite lack of indications](#)
- Modern Healthcare, Nov 18, 2013 [Breast MRI use up, but not enough among the right patients](#)
- Aunt Minnie, Nov 19, 2013 [Breast MRI use grows, but does it benefit the right women?](#)
- Live Science (syndicated in [Fox News](#), etc.) Nov 19, 2013 [Breast MRIs not always used appropriately, studies suggest](#)
- Reuters (syndicated in [Chicago Tribune](#), [Yahoo](#), etc.), Nov 19, 2013 [Breast MRI use increasing among U.S. women](#)
- DOTmed News, Nov 20, 2013 [Use of breast MRI increased, says study](#)
- The ASCO Post, Nov 25, 2013 [Further improvement needed in breast MRI use in community practice](#)
- Aunt Minnie, Oct 1, 2020 [Breast MRI use is up, but is it appropriate?](#)
- The Imaging Wire, Oct 5, 2020 [Breast MRI up, but some underscreened](#)
- Kaiser Permanente Washington Health Research Institute: Wernli K (2020, October 7). [Which women are receiving breast MRI to screen for breast cancer?](#)

### 2. Patient and stakeholder engagement

- Group Health Research Institute Blog: Ridpath, J (04/03/2014). ['Glad you're listening': SIMBA study brings patients' voices to the fore](#)
- Dockser Marcus, A. "[Design Power: Patients Play Researchers in Drug Trials.](#)" September 29, 2014.
- Group Health Research Institute Blog: Ridpath J (10/03/2014). [Wall Street Journal shines light on our patient researchers](#)

- CERTAIN Blog: Lawrence, S. (12/05/2014). [Research Partners Spotlight: Karen Wernli, Mary Bush, and Dianne Johnson.](#)
- Group Health Research Institute Blog: (02/10/2016). [Patients power SIMBA research on breast cancer, mammograms and breast MRIs](#)
- [Group Health Research Institute] (02/16/2016). *Making Medicine Better By Working Together.* [Video File]. Retrieved from [https://youtube/llsYo\\_pgqZQ](https://youtube/llsYo_pgqZQ)
- Anyanwu C and Hemphill R. [Finding and recruiting research partners: lessons from PCORI awardees.](#) September 1, 2017.

### **3. Short-term risks associated with general anesthesia during colonoscopy compared to conscious sedation in US adult population**

- Group Health Research Institute Blog: Wernli, KJ. (12/22/2015). [Deep sedation raises risk of complications from colonoscopy](#)
- *American Gastroenterological Association*, Jan 26, 2016. [Colonoscopy risk increases with anesthesia](#)
- [GI & Hepatology News] (2016, March 31). Risks associated with anesthesia services during colonoscopy. [Video file]. Retrieved from: <https://www.youtube.com/watch?v=k41P0QUGUpo>
- *A Woman's Health*, Apr 7, 2015. [Anesthesia increases colonoscopy risks.](#)
- *Healio Gastroenterology*, Mar 30, 2016. Risk for complications after colonoscopy increase

### **4. Lung cancer screening**

- Group Health Research Institute Blog: Nazarko J. (01/08/2016). [Group Health's new lung cancer screening program shows promise](#)
- Group Health Research Institute Blog: Brandzel (03/11/2016). [Patients and providers talk about lung cancer screening, GHRI listens](#)
- Kaiser Permanente Washington Health Research Institute (07/28/2020). [Lung cancer screening is changing](#)

### **5. End of life care in adolescent and young adult cancer patients**

- Group Health Research Institute Blog, Wernli KJ (05/16/2016). [For young adults with cancer, the Clare Project asks: what matters most.](#)
- Pallimed: A Hospice & Palliative Medicine Blog (06/29/2016): [The Clare Project and "What Matters most?" to young people with advanced cancer.](#)
- KP Washington Health Research Institute (6/29/2017): [What young adults with advanced cancer are telling The Clare Project.](#)
- Kaiser Permanente Washington Health Research Institute (11/19/2018): [Young adults with cancer speak about balancing hope and risk.](#)

### **6. Breast cancer surveillance imaging**

- FastCo Design. Wilson, M (6/22/16). [Post-cancer checkups are stressful – this decision aid is designed to help.](#)
- Artefact (6/20/2016). [SIMBA Decision Aid.](#)
- Patient-Centered Outcomes Research Institute Blog (10/3/16). [Helping survivors of breast cancer watch out for recurrences.](#)
- [Patient Centered Outcomes Research Institute] (2016 October 3). Helping breast cancer survivors watch out for recurrences. [Video file]. Retrieved from <http://www.pcori.org/blog/helping-survivors-breast-cancer-watch-out-recurrences>
- Kaiser Permanente Washington Health Research Institute (2/28/17). [Patient-researcher helps advance care for other breast cancer survivors.](#)
- Kaiser Permanente Washington Health Research Institute (3/10/17). [Breast cancer screening choice made easier by research-design team.](#)
- Kaiser Permanente Washington Health Research Institute (6/4/19). [Using breast MRI after cancer may lead to unneeded biopsies.](#)
- Reuters (via Medscape; 6/7/19). [Breast MRI may up biopsy, cancer-detection rates in women with breast cancer history.](#)



- HealthDay (syndicated, including [U.S. News & World Report](#) and [WebMD](#); 6/4/19). [Is MRI screening worth it for breast cancer survivors?](#)
- Aunt Minnie (6/4/19). [Surveillance breast MRI is double-edged sword.](#)

## 7. BRCA Testing

- HemeOnc Today (7/16/2019). [BRCA testing underutilized despite access, coverage.](#)

## INVITED PRESENTATIONS

### *Contributed national oral presentations*

1. **Wernli KJ**. Use of MRI in breast cancer surveillance. The beginning of a comparative effectiveness research study. National Research Service Award, Seattle, WA, June 2011.
2. **Wernli KJ**, Hubbard R, Johnson E, Chubak J, Kamineni A, Rutter CM. Patterns of colorectal cancer screening uptake in men and women newly-eligible for screening. American Society for Preventive Oncology, Memphis, TN, March 2013.
3. **Wernli KJ**, Hubbard R, Johnson E, Chubak J, Kamineni A, Rutter CM. Patterns of colorectal cancer screening uptake in men and women newly-eligible for screening. HMO Research Network, San Francisco, CA, April 2013.
4. **Wernli KJ**, Arao RF, Hubbard RA, Sprague B, Alford-Teaster J, Haas J, Henderson L, Hill D, Lee C, Tosteson A, Onega T. How have breast cancer screening intervals changed since the 2009 USPSTF guideline update? American Society for Preventive Oncology, Columbus, OH, March 2016.
5. **Wernli KJ**, Callaway KA, Henderson LM, Kerlikowske K, Lee JM, Ross-Degnan D, Wallace JK, Wharam JF, Zhang F, Stout NK. Trends in breast MRI use among women with BRCA mutations: A national claims analysis 2006-2016. American Society for Preventive Oncology, Tampa, FL, March 2019.
6. Callaway KA, Zhang F, **Wernli KJ**, Henderson LM, Kerlikowske K, Lee JM, Ross-Degnan D, Wallace JK, Wharam JF, Stout NK. Impact of Breast Density Notification Legislation on Ultrasound and MRI Use, 2002-2016. The 9th International Breast Density & Cancer Risk Assessment Workshop, Honolulu, HI, June 2019.
7. **Wernli KJ**, Tuzzio L, Brush S, Ehrlich K, Gao H, Anderson ML, Palazzo L. Understanding stakeholder perspectives in developing user-centered design interventions in lung cancer screening at KPWA. Kaiser Permanente Oncology Meeting, Los Angeles, CA, November 2019.

### *Contributed international oral presentations*

1. **Wernli KJ**, Ray RM, Dao GL, Thomas DB, Checkoway H. Cancer incidence in a cohort of female textile workers in Shanghai, China. International EPICOH Congress of Epidemiology in Occupational Health, Barcelona, Spain, September 2002.
2. Sansom-Daly U, Darlington A, Poort H, Rosenberg A, Weaver M, Mack J, Haase J, Phillips-Salimi C, **Wernli KJ**, Wakefield C, Girgis A, Fernando R, Donovan L, Trethewie S, Herbert A, Fair D, Kirchoff A, Lindsay T, Anazodo A, Schulte F, Cohn R, Mosher P, Al-Awamer A, Sue L, and Wiener L. Understanding and addressing the training needs of clinicians to improve end-of-life care for adolescents and young adults with cancer worldwide. 3rd Global AYA Cancer Congress, Sydney, Australia, December 2018.

### *Selected contributed national poster presentations*

1. Hutter CM, **Wernli KJ**, Wong EY. Adverse pregnancy and birth outcomes in relation to psychosocial job strain. Washington State Public Health Association, Yakima, WA, October 2003.
2. **Wernli KJ**, Newcomb PA, Trentham-Dietz A, Hampton JM, Wong EY, Egan KM. Types and Patterns of Postmenopausal Hormone Use and Ovarian Cancer. American Society for Preventive Oncology, Houston, TX, March 2007

3. **Wernli KJ**, Newcomb PA, Hampton JM, Trentham-Dietz A, Egan KM. Parity modifies the relationship between NSAIDs and ovarian cancer. American Association for Cancer Research, Frontiers in Cancer Prevention, Philadelphia, PA, December 2007.
4. **Wernli KJ**, Wang Y, Makar KW, Burnett-Hartman A, Shadman M, Zheng Y, Mandelson M, Newcomb PA. Body size, IGF and growth hormone polymorphisms, and premalignant colorectal lesions in men and women. Society for Epidemiologic Research, Anaheim, CA, June 2009.
5. **Wernli KJ**, Newcomb PA, Hampton JM, Trentham-Dietz A. Use of antidepressants and NSAIDs in relation to mortality in long-term breast cancer survivors. American Society for Preventive Oncology, Washington, DC, March 2010.
6. **Wernli KJ**, O'Meara ES, Kerlikowske K, Miglioretti D, Muller CY, Onega T, Sprague B, Yankaskas B, Cohen-Cline H, Buist DSM. Mammographic breast density and ovarian cancer. American Society for Preventive Oncology, Washington DC, March 2012.
7. Cohen-Cline H, **Wernli KJ**, Boles-Hall M, Bradford SC, Grossman D. IVR and Colorectal cancer screening adherence. Society for Epidemiologic Research, Minneapolis, MN, June 2012.
8. **Wernli KJ**, O'Meara E, Kerlikowske K, Miglioretti ML, Muller CY, Onega T, Sprague BL, Yankaskas B, Cohen-Cline H, Brandzel S, Buist DSM. Mammographic breast density and risk of incident ovarian cancer. 9th Biennial Ovarian Cancer Research Symposium presented by the Marsha Rivkin Center in Seattle, WA, September 2012.
9. Bowles, AJ, **Wernli KJ**, Gray HJ, Bogart A, Delate T, O'Keeffe-Rosetti M, Nekhlyudov L, Loggers, ET. Diffusion of intraperitoneal (IP) chemotherapy in women with ovarian cancer stage II or greater in the Cancer Research Network, 2003-2008. 9th Biennial Ovarian Cancer Research Symposium, presented by the Marsha Rivkin Center in Seattle, WA, September 2012.
10. **Wernli KJ**, Brenner AT, Rutter CM, Inadomi J. Short-term risks associated with sedation during colonoscopy: evaluation of the 2009 CMS mandate for anesthesia services. AcademyHealth, Baltimore, MD, June 2013.
11. **Wernli KJ**. Using qualitative methods to inform confounding: an example in breast imaging. Society for Epidemiology Research, Seattle, WA, June 2014.
12. Brandzel S, Rosenberg D, Bush M, Johnson D, Henderson L, Kerlikowske K, Onega T, DeMartini W, **Wernli KJ**. A Qualitative Examination of Patient Experiences and Preferences Regarding Surveillance Breast Imaging after Treatment for Breast Cancer. American Society of Preventive Oncology, Birmingham, AL, March 2015.
13. **Wernli KJ**, Kamineni A, Johnson E, Shortreed SM, Green BB, Chubak J, Rutter CM. Current patterns of colorectal cancer screening in an insured population. American Society for Preventive Oncology, Columbus, OH, March 2016.
14. **Wernli KJ** and Artefact. Designing for good patient decisions: bringing together data, psychology, and human-centered design to help breast cancer survivors chose a method for post-treatment surveillance. Stanford Medicine X, Palo Alto, CA, September 2016.
15. **Wernli KJ**, Ichikawa I, Kerlikowske K, Bush M, Johnson D, Buist DSM, Brandzel SD, DeMartini WB, Henderson L, Nekhlyudov L, Onega T, Sprague B, Miglioretti DL. Comparative performance of surveillance mammography and breast MRI in women with a history of breast cancer. The San Antonio Breast Cancer Symposium, San Antonio, TX, December 2016.
16. Knerr S, **Wernli KJ**, Leppig K, Ehrlich K, Graham AL, Farrell D, Evans C, Schwartz MD, O'Neill SC. Developing a scalable decision support tool for women with dense breasts: early efforts to facilitate patient uptake and clinical integration. Science of Dissemination and Implementation, Washington DC, December 2016
17. Figueroa Gray M, Ludman EJ, Beatty TC, **Wernli KJ**. Using Twitter for recruitment, patient engagement, and data collection in a study about adolescent and young adults with late stage cancer. American Society for Preventive Oncology, Seattle, WA, March 2017.

18. Figueroa Gray M, Ludman EJ, Beatty TC, **Wernli KJ**. Balancing hope and risk for adolescent and young adult cancer patients with late stage cancer. American Society for Preventive Oncology, Seattle, WA, March 2017.
19. Haas C, **Wernli KJ**, Phipps A, Hajat A, Kamenini A, Chubak J. Disparities in completion of fecal immunochemical tests for colorectal cancer screening in a health maintenance organization setting. American Society for Preventive Oncology, Seattle, WA, March 2017.
20. Figueroa Gray M, Ludman EJ, Beatty TC, **Wernli KJ**. Using Twitter for recruitment, patient engagement, and data collection in a study about adolescent and young adults with late stage cancer. Pacific Northwest Palliative Care Conference, Seattle, WA, April 2017.
21. Figueroa Gray M, Ludman EJ, Beatty TC, **Wernli KJ**. Balancing hope and risk for adolescent and young adult cancer patients with late stage cancer. Pacific Northwest Palliative Care Conference, Seattle, WA, April 2017.
22. Haas C, **Wernli KJ**, Phipps A, Hajat A, Kamenini A, Chubak J. Disparities in completion of fecal immunochemical tests for colorectal cancer screening in a health maintenance organization setting. Society for Epidemiologic Research, Seattle, WA, June 2017.
23. **Wernli KJ**, Bowles EA, Evans C, Gao H, Hansen K, Knerr S, Leppig K, Schwartz MD, O'Neill SC. 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.
24. **Wernli KJ**, O'Meara ES, Delaney K, Chen L, Farjah F, Beatty T, Zehra R, Hwee S, Mack JW. End of life care in a national sample of adolescent and young adult cancer patients, 2001-2016. AcademyHealth, Seattle, WA, June 2018.
25. Hwee S, O'Meara ES, Helfrich C, Smitherman A, Delaney K, Chen L, Beatty T, Zehra R, **Wernli KJ**. U.S. Opioid Prescribing Trends for Adolescent and Young Adult Cancer Patients in Last Year of Life, 2001 - 2016: A Study from the Clare Project. AcademyHealth, Seattle, WA, June 2018.
26. Knerr S, Bowles E, **Wernli KJ**, Schwartz M, O'Neill S. Association between health literacy and baseline breast density awareness in a health-system embedded intervention efficacy study. American Society for Preventive Oncology, Tampa, FL, March 2019.
27. **Wernli KJ**, Evers S, Berthoud H, Norris C, Rosenberg D. Peer support needs of young adult patients with self-identified complex medical conditions: Opportunities for improved connection with clinical care. Healthcare Systems Research Network, Portland, OR, April 2019.
28. **Wernli KJ**, Beatty T, O'Meara EO, Delaney K, Farjah F, Mack JW. Use of national claims data to inform AYA oncology: focus on end of life. Childhood Cancer Data Initiative Symposium. Washington DC, July 2019.
29. Tuzzio L, Palazzo L, Brush S, Ehrlich K, Anderson M, Gao H, **Wernli KJ**. Co-designing cancer screening interventions with people over 55 years old at risk for lung cancer. Gerontology Society of America Conference, Austin, TX, November 2019.
30. **Wernli KJ**, Knerr S, Li T, Leppig K, Ehrlich K, Farrell D, Gao H, Bowles EJA, Graham AL, Luta G, Mandelblatt JS, Schwartz MD, O'Neill SC. Randomized trial of a web-based personalized breast cancer risk communication and decision support tool on clinical prevention outcomes. American Society for Preventive Oncology, Tucson, AZ, March 2020.

### ***Contributed international poster presentations***

1. **Wernli KJ**, Ray RM, Gao DL, Seixas N, De Roos AJ, Thomas DB, Checkoway J. Occupational risk factors for endometrial and ovarian cancers among textile workers in Shanghai, China. Society for Epidemiologic Research, Toronto, Canada, June 2005.

2. **Wernli KJ**, Rutter CM, Dachman AH, Zafar HM. Review of extracolonic findings by computed tomography colonography. International Cancer Screening Network, Sydney, Australia, October 2012.
3. **Wernli KJ**, Hubbard R, Johnson E, Chubak J, Kamineni A, Rutter CM. Patterns of colorectal cancer screening uptake in men and women newly-eligible for screening. International Cancer Screening Network Conference, Rotterdam, The Netherlands, June 2015.
4. Roth JA, Brandzel SD; Carter-Harris L, Buist D, **Wernli KJ**. Patient Motivations for Pursuing Low-Dose CT Lung Cancer Screening in an Integrated Healthcare System: A Qualitative Evaluation. Poster presentation at the World Congress on Lung Cancer, in Vienna, Austria, December 2016.
5. **Wernli KJ**, Gao H, Leblanc J, Nazarko J, Buist DSM. Lung cancer screening implementation in community practice: Kaiser Permanente Washington experience 2015-2018. International Association for the Study of Lung Cancer (IASLC) 19<sup>th</sup> World Conference on Lung Cancer, Toronto, Canada, September 2018.
6. **Wernli KJ**, Callaway KA, Henderson LM, Kerlikowske K, Lee JM, Ross-Degnan D, Wallace JK, Wharam JF, Zhang F, Stout NK. Trends in Screening Breast MRI Rates in US Women, 2006-2016. International Cancer Screening Network Conference, Rotterdam, The Netherlands, June 2019.
7. **Wernli KJ**, Gao H, Leblanc J, Nazarko J, Buist DSM. Lung cancer screening implementation in community practice: Kaiser Permanente Washington experience 2015-2018. International Cancer Screening Network Conference, Rotterdam, The Netherlands, June 2019.

#### ***Invited Oral Presentations - Local***

1. **Wernli KJ**. Ovarian and Endometrial Cancers in Textile Workers. Science over Lunch, Fred Hutchinson Cancer Research Center, May 2007.
2. **Wernli KJ**. Hormone Therapy and Cancer. Science over Lunch, Fred Hutchinson Cancer Research Center, April 2008.
3. **Wernli KJ**, Sethi R. Evaluation of patient outcomes for complex spine surgery 2008-2012. Group Health Research Institute Birnbaum Research Rounds, May 8, 2014.
4. **Wernli KJ**, Bush M, Johnson D. Success Patient-Research Collaboration. Keynote speakers for 2<sup>nd</sup> Annual CERTAIN Patient Advisory Board Network Annual Symposium. November 3, 2014.
5. **Wernli KJ**. Patient-centered approach to surveillance breast imaging: Lessons learned from SIMBA. Group Health Research Institute Seminar, Seattle, WA, July 27, 2016.
6. **Wernli KJ**. Lessons in PCORI-funded research project. University of Washington K12 Scholars, Seattle, WA, February 26, 2018.
7. Anau J, Coley RY, Grafton J, Johnson D, **Wernli KJ**. Standing on the Shoulders of Giants: Conducting research when you wish you didn't have to stand on those guys' shoulders. Kaiser Permanente Washington Health Research Institute Seminar, Seattle, WA, June 12, 2018.
8. **Wernli KJ**. Finding the confluence of patient-centered outcomes research in cancer. University of Washington, School of Nursing, Seattle, WA, April 2, 2019.

#### ***Invited Oral Presentations - National***

1. **Wernli KJ**. Medications, Multivitamins, and Breast Cancer Survival. American Society for Preventive Oncology, Tampa, FL, March 2009.
2. **Wernli KJ**. Patient-centered outcomes research: an example in surveillance breast imaging for breast cancer survivors. University of North Carolina, Chapel Hill: Cancer Outcomes Research Program, April 29, 2014.
3. **Wernli KJ** and Johnson D. Patient-Centered Outcomes Research Institute. Patient and Family Engagement Rubric. Stanford Medicine X, September 6, 2014.

4. Johnson D, Brandzel S, Bush M, **Wernli K**. Journey of a patient partner in research: an example in a PCORI funded project. Stanford Medicine X, Palo Alto, CA. September 27, 2015.
5. **Wernli KJ**. New Insights in Surveillance and Rehabilitation after Cancer and Stroke. 1<sup>st</sup> Annual PCORI Meeting, Washington DC, October 7, 2015.
6. **Wernli KJ**, Pfarr N. Informing breast cancer decisions with human-centered design. Innovative Learning Network. San Jose, CA, May 11, 2016.
7. **Wernli KJ**. Using qualitative methods to learn about confounders. The 2016 Epidemiology Congress of the Americas, Miami, FL, June 24, 2016.
8. **Wernli KJ**. What is the current state of end of life in adolescent and young adult cancer patients across the US? Dana Farber Cancer Institute, Boston, MA, October 4, 2016.
9. **Wernli KJ**. Patient-centered approach to surveillance breast imaging: Lessons learned from SIMBA. Columbia University, New York City, NY, October 6, 2016.
10. **Wernli KJ**, Bush M. Comparative effectiveness of surveillance breast imaging modalities in breast cancer survivors. In Pre-engagement in PCOR: Incorporating Lessons from the Field at Second Annual Patient Centered Outcomes Research Institute meeting, National Harbor, MD, November 19, 2016.
11. **Wernli KJ**, Miglioretti D. Patient Engagement in oncology research. UC Davis Community Engagement, Sacramento, CA, November 13, 2017.
12. **Wernli KJ**. Finding the confluence of patient-centered outcomes research in cancer. University of North Carolina, Chapel Hill, February 23, 2018.
13. **Wernli KJ**. Use of national claims data to inform AYA oncology: focus on end of life care. Cancer Informatics for Cancer Centers (Ci4CC) Fall 2020 Virtual Symposium. October 8, 2020.

#### ***Invited Oral Presentations - International***

1. **Wernli KJ**. What is the current state of end of life in adolescent and young adult cancer patients across the US? Pediatric Oncology Group Ontario, Toronto, Canada, October 7, 2016.
2. **Wernli KJ**. Lung cancer screening in the USA Healthcare System: Kaiser Permanente Washington experience. International Agency for Research on Cancer, Lyon, France, October 7, 2019.

#### ***Plenary presentations***

1. **Wernli KJ**, Johnson D. Plenary: Straight from the Source. Panel of patient and researcher teams at 1<sup>st</sup> Annual PCORI Meeting. October 7, 2015.
2. **Wernli KJ**, Brandzel S, Bush M, Johnson D. Models of Patient Engagement. INSPIRE Symposium, Seattle, WA, July 19, 2016.
3. Berry A, Tuzzio L, **Wernli KJ**. Human-Centered Design Methods to Improve Health Services Research: Examples from the Field. Healthcare Systems Research Network (HCSRN) 2021 Virtual Annual Meeting; May 12, 2021.

#### ***Panels***

1. Panel member at "PORP career paths by UW graduate panel" for Pharmaceutical Outcomes Research Program at University of Washington, May 3, 2013.
2. Panel member at 1<sup>st</sup> Annual CERTAIN Patient Advisory Board Network Annual Symposium. October 31, 2013.

3. Panel member at American Society for Preventive Oncology in Columbus OH. Strategies for building, prioritizing, and sustaining a research group: how to manage time and leverage available resources effectively. March 13, 2016.
4. Panel member at American Society for Preventive Oncology in Seattle, WA. A Roadmap to Academic and Research Environments: Identifying and Choosing the Best Fit for your Career Goals. March 12, 2017.
5. Panel member. K-12 Post-transition. University of Washington K12 Scholars, Seattle, WA, January 14, 2019.
6. Panel member. Patient Engagement in Research. KPWHRI K12 Catalyst Scholars, Seattle, WA, June 17, 2019.
7. Panel member. President's Cancer Panel. Improving Resilience and Equity in Cancer Screening: Innovation to Increase Screening. February 11, 2021.

***Invited Webinar presenter***

1. Patient-centered Outcomes Research. Presented to Cancer Research Network Scholars, July 8, 2014.
2. **Wernli KJ**, Johnson D. Patient and Stakeholder Engagement in Research: Strategies for Initiating Research Partnerships. Invited by Patient-Centered Outcomes Research Institute, July 19, 2017.
3. **Wernli KJ**. Using Optum claims data in US cancer patients: an example in adolescent and young adults. Presenting within in "Connecting the dots: the creation and use of data linkages to study cancer survivorship and health outcomes research." Hosted by American Society for Preventive Oncology Survivorship, Health Outcomes & Comparative Effectiveness Research Special Interest Group, January 8, 2019.
4. **Wernli KJ**, Jordan M. Adapting clinical design principles for public health. Artefact, May 1, 2020.
5. **Wernli KJ**. Working towards representation. Two examples in in cancer research. KPWHRI Seminar, November 11, 2020.