

## 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
- 2016-2022 Associate Scientific Investigator, Kaiser Permanente Washington Health Research Institute, Seattle, Washington
- 2017- Affiliate Associate Professor, University of Washington, Department of Health Systems and Population Health, Seattle, Washington
- 2019- Affiliate Associate Professor, University of Washington, Department of Epidemiology, Seattle, Washington
- 2020-2022 Associate Professor, Kaiser Permanente School of Medicine, Department of Health System Science
- 2022- Senior Scientific Investigator, Kaiser Permanente Washington Health Research Institute, Seattle, WA
- 2022- Professor, Kaiser Permanente School of Medicine, Department of Health System Science

**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- 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
- 2020 Member, Institute Steering Committee, Kaiser Permanente Washington Health Research Institute
- 2022 Member, Kaiser Permanente Clinical Trial Symposium Planning Committee

## **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- Poster Judge, American Society for Preventive Oncology Annual Meeting
- 2022- Chair, American Society for Preventive Oncology, Survivorship and Health Outcomes/CER

### ***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 Clinic

**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, NIH Fellowships: Risk, Prevention and Health Behavior
- 09/2022 Ad Hoc Member, NIH Health Services: Quality and Effectiveness

**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-  
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-  
Breast, 2021-  
BMC Cancer, 2021-  
BMC Women's Health, 2021  
Preventive Medicine, 2021-  
Patient Education and Counseling, 2021-  
Cancer Prevention Research, 2022-  
Pilot and Feasibility Studies, 2022-  
Cancer Control, 2022-

## 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: *Determine association between medication use and survival in breast cancer survivors.*

Role: Scholar  
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  
PI: Sean Sullivan  
Aim: *A mentored Comparative Effectiveness Research Training Program (K12) at the University of Washington that equips Scholars with the skills to plan, conduct, and apply practical clinical and health services research.*

Role: Principal Investigator  
Title of Project: Interactive voice response and colorectal cancer screening.  
Source: Group Health Research Institute Development Fund.  
Dates of Project: 2010-2012  
Effort: 5%  
Direct Costs: \$37,882  
Aim: *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.*

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: 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: Project Lead (R01-size project)  
Title of Project: Studying colorectal cancer: effectiveness of screening strategies (SuCCESs)  
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: 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: 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: 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: Project Lead  
Title of Project: Systematic Evidence Reviews to Support the U.S. Preventive Services.  
Source: Agency for Healthcare Research and Quality  
Project Number: HHSA290201200015i  
Dates of Project: 2014-2016  
Effort: 20%  
Direct Costs: \$233,517  
PI: Evelyn Whitlock  
Aim: *To complete systematic evidence review for skin cancer screening for US Preventive Services Task Force*

Role: Principal Investigator  
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 lung cancer screening.*

Role: Site Principal Investigator  
Title of Project: Applying breast density to risk counseling  
Source: National Cancer Institute  
Project Number: R01CA190221  
Dates of Project: 2015-2020  
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.*

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 Principal Investigator/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 Principal 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 Principal Investigator/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: Principal Investigator  
Title of Project: National trends in end-of-life care for adolescent and young adult (AYA) cancer patients  
Source: National Cancer Institute  
Project Number: R21CA205309  
Dates of Project: 2016-2019  
Effort: 12%  
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 Principal Investigator  
Title of Project: Comorbidity and screening outcomes among older women undergoing mammography  
Source: National Cancer Institute  
Project Number: R01CA207361  
Dates of Project: 2016-2020  
Effort: 4%  
Direct Costs: \$545,142  
PI: Dejana Braithwaite  
Aim: *To evaluate breast cancer screening outcomes in SEER-Medicare and Breast Cancer Surveillance Consortium women.*

Role: Site Principal Investigator/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 Principal Investigator  
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  
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 Principal Investigator/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: Principal Investigator  
*(assumed leadership as PI at study start in Oct 2021. Original PI Michael Jackson, PhD)*

Title of Project: Effectiveness of Respiratory Virus Vaccines against Laboratory-Confirmed Outpatient Illness

Source: Centers for Disease Control

Project Number: 75D30121C11909

Dates of Project: 2021-2022

Effort: 20%

Direct Costs: \$750,000

Aim: *To enroll KPWA members with acute respiratory illness to estimate influenza vaccine effectiveness.*

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: 2016-2022

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: 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: 2012-2022

Effort: 5%

Direct Costs: \$17,492,134

PI: Diana Miglioretti, Karla Kerlikowske, Anna Tosteson

Aim: *To evaluate breast cancer screening in community practice in US.*

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

Role: Site Principal Investigator/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 (NCE)

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 Principal Investigator/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: 8%  
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) (Hahn, Wernli, Chawla)

Source: National Cancer Institute  
Dates of Project: 2020-2025  
Project Number: P01CA233343  
Effort: 12%  
Direct costs: \$8,901,762  
PI: Larry Kushi, Jessica Chubak, Erin Hahn, 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 Principal Investigator/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*

Role: Principal Investigator  
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.*

Role: Pilot Principal Investigator  
Title of Project: Quality metrics in time to biopsy and lung cancer diagnosis in cancer screening population  
Source: Alliance for Clinical Trials in Oncology  
Project Number: UG1CA189823

Dates of Project: 2021-2022  
Effort: None  
Direct Costs: \$91,250  
PI: Monica M. Bertagnolli  
Aim: *To develop benchmarking reports for positive lung cancer screening scans in NCI Community Oncology Research Program (NCORP) practices*

Role: Site PI and Co-Investigator  
*(assumed leadership as PI in February 2022. Original PI Diana Buist, PhD)*  
Title of Project: Using a Mixed Methods Approach to Understand Shared Decision-Making in Lung Cancer Screening

Source: National Cancer Institute  
Project Number: R01CA222090  
Dates of Project: 2018-2023  
Effort: 10%  
Direct Costs: \$2,200,084  
PI: Lisa Carter Bawa  
Aim: *To complete surveys on KPWA providers regarding shared decision-making and survey patients regarding satisfaction with shared-decision making*

Role: Site PI  
Title of Project: Collaborative Technology Development and Analyses to Support Genetic Epidemiology in Washington State  
Source: Center for Disease Control  
Project Number: 75D30122C14368  
Dates of Project: 2022-2024  
Effort: 8%  
Direct Costs: \$110,990  
PI: Lea Starita  
Aim: *University of Washington received a contract from the CDC to study the epidemiology of respiratory viruses in the greater Seattle area at the genetic level of the virus. KPWA will be contributing to this work by providing residual specimens originally collected for the CDC's Influenza Vaccine Effectiveness Network*

Role: Co-Investigator  
Title of Project: Advancing Equitable Risk-Based Breast Cancer Screening and Surveillance in Community Practice  
Source: National Cancer Institute  
Project Number: P01CA154292-11  
Dates of Project: 2022-2027  
Effort: 5%  
Direct Costs: \$17,492,134  
PI: Diana L Miglioretti, Karen Wernli, Karla Kerlikowske, Anna Tosteson  
Aim: *The major goal of the program is to provide evidence to improve the equity and effectiveness of breast cancer screening and surveillance. Findings will inform public health efforts to promote equitable risk-based screening and surveillance and reduce breast cancer disparities.*

Role: Principal Investigator  
Title of Project: Evaluating influenza, SARS-CoV-2, and other respiratory virus vaccine effectiveness in prevention of acute illness in Washington state, 2022-2027  
Source: Centers for Disease Control  
Project Number: 1U01IP001191  
Dates of Project: 2022-2027

Effort: 20%  
Direct Costs: \$6,109,350  
Aim: *To enroll KPWA members with acute respiratory illness to estimate influenza vaccine effectiveness.*

## **TEACHING AND MENTORING RESPONSIBILITIES**

### ***Teaching Activities***

2003 Teaching Assistant, Introduction to Epidemiology EPI 420 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- Marlane Gray, PhD, Research Associate and Assistant Investigator, Kaiser Permanente Washington Health Research Institute, served as a primary mentor (to 2020) and currently a member of mentoring team
- 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
- 2019- Lorella Palazzo, PhD, Collaborative Scientist, Kaiser Permanente Washington Health Research institute, serve as primary 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, served as primary mentor
- 2019 Matthew Wise, Medical student, University of North Texas Health Science (UNTHSC), Texas College of Osteopathic Medicine (TCOM), served 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**

Scopus: h-index 29  
 Google Scholar: h-index 36  
 Research Gate: h-index 31  
 Citations: 3642

## **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, Calderera 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.
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### ***Refereed Reports***

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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***

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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>

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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.
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### **Under Review**

1. **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, JMIR.
2. 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. Under review, Medical Care.

### **Media coverage**

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

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- *Alliance of Community Health Plans (ACHP)*, Nov 18, 2013 [High-risk women get breast MRI—but room remains for improvement](#)
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## **2. Patient and stakeholder engagement**

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- Group Health Research Institute Blog: Ridpath J (10/03/2014). [Wall Street Journal shines light on our patient researchers](#)
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- 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](#)
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- *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](#)
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## 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](#).
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## 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](#).
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- Kaiser Permanente Washington Health Research Institute (2/28/17). [Patient-researcher helps advance care for other breast cancer survivors](#).
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- Reuters (via Medscape; 6/7/19). [Breast MRI may up biopsy, cancer-detection rates in women with breast cancer history](#).
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- 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, Kirchhoff 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**, Kamineneni 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 choose 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.
31. **Wernli KJ**, Tuzzio L, Luce C, West M, Jordan M, Boler S, Triplette M, Carter-Bawa L, Green B, Rogers K, Gao H, Su YR, Anderson M, Ralston J, Palazzo L. Development of a patient-centered intervention to improve annual adherence to lung cancer screening using human-centered design—Patient Voices Video. *National Lung Cancer Roundtable*, Washington DC, December 2022

### ***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.
14. **Wernli KJ**. Quality metrics in time to biopsy and lung cancer diagnosis in cancer screening population. Alliance for Oncology Clinical Trials/Cancer Care Delivery Research (CCDR) Committee. November 4, 2021.
15. **Wernli KJ**. Finding the confluence of patient-centered outcomes in breast cancer survivors. Emory University, School of Public Health, November 16, 2021.
16. **Wernli KJ**. Quality metrics in time to biopsy and lung cancer diagnosis in cancer screening population. Alliance for Oncology Clinical Trials/Cancer Care Delivery Research (CCDR) Committee. November 3, 2022.

### ***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 First 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. **Wernli KJ.** 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.