

## 2021 NW PCI Network Project Updates

### Current Research Projects:

#### **Accelerating Change and Innovation in Organizations and Networks (ACTION) IV**

*Lois Olinger, MCP, Deborah Carpenter, and Russ Mardon, PhD, Westat, Inc.*

- Objective: To undertake rapid-cycle field-based research designed to promote innovation in health care delivery by accelerating the diffusion of research into practice
- Partners: NW PCI Network, WWAMI region Practice & Research Network, ITHS Community Engagement Program
- Funding agency: Agency for Healthcare Research and Quality
- Status: Ongoing

#### **Center for Metabolic Health**

*Kelly Drew, PhD, and Robert Coker, PhD, FACSM, FTOS, University of Alaska Fairbanks*

- Objectives: Advance new analytical approaches in microRNA and microbiome studies, established in hibernation research, to understand mechanisms responsible for maintenance of tissue protein and function in humans
- Partner: ITHS Community Engagement Program
- Funding Agency: National Institute of General Medical Sciences
- Status: Ongoing

#### **Community Voices Program**

*Linda Ko, PhD, MPH, MS, University of Washington*

- Objectives: Create and sustain successful community-academic research teams working on community-driven ideas
- Partners: Fred Hutchinson Cancer Research Center and the ITHS Community Engagement Program
- Funding Agency: Institute of Translational Health Sciences, National Center for Advancing Translational Science
- Status: Ongoing

#### **Impact of COVID-19 Public Health Mitigation Measures on Cancer-related Behaviors in Rural and Urban Cancer Patients and Cancer Survivors**

*Allison Cole, MD, MS, University of Washington*

- Objective: Compare impacts on rural and urban cancer patients through the lens of geographical health disparities in cancer morbidity and mortality
- Partner: NW PCI Network
- Funding Agency: National Cancer Institute
- Status: Ongoing

**Implementing the Moon: Getting Genomic Testing to the Public (resubmission)**

*Elizabeth Swisher, MD, and Deborah Bowen, PhD, University of Washington*

- Objective: Identify the best methods of implementing cancer genetic testing into ongoing clinical practice in two healthcare systems
- Partners: Billings Clinic, MultiCare Health System
- Funding Agency: National Cancer Institute
- Status: Ongoing

**Integrating Behavioral Health and Primary Care**

*Rodger Kessler, PhD, and Benjamin Littenberg, MD, University of Vermont; Kari Stephens, PhD, and Laura-Mae Baldwin, MD, MPH, University of Washington*

- Objectives: 1) To determine if increased behavioral health-primary care integration results in better patient-centered outcomes than co-location of behavioral providers without systemic integration, 2) To determine if structured process improvement techniques are effective in increasing behavioral health integration, and 3) To assess how contextual factors affect the implementation and patient-centeredness of integrated behavioral health
- Partners: Idaho State University Family Medicine Clinical Research Center, University of Washington, WWAMI region Practice and Research Network
- Funding agency: Patient-Centered Outcomes Research Institute
- Status: Ongoing

**Kidney Precision Medicine Project**

*Katherine R. Tuttle, MD, FASN, FACP, FNKF, University of Washington and Providence Health Care; Jonathan Himmelfarb, MD, FASN, and Ian de Boer, MD, MS, University of Washington*

- Objectives: 1) To obtain and evaluate human kidney biopsies from patients with chronic kidney disease or at-risk for chronic kidney disease, 2) To create a kidney tissue atlas, 3) To define disease subgroups, and 4) To identify key cells, pathways and targets for novel therapies
- Partners: Providence Medical Research Center, NW PCI Network, WWAMI region Practice and Research Network, ITHS Community Engagement Program
- Funding Agency: National Institute of Diabetes and Digestive and Kidney Diseases
- Status: Ongoing

**Nutritional Strategies for Metabolic Health in Aging**

*Robert Coker, PhD, FACSM, FTOS, University of Alaska Fairbanks*

- Objective: To establish the importance of experimental meal replacement in the preservation of lean tissue mass during calorie restricted weight loss and influence on physical function and increased activity, and determine sustainability of weight loss induced improvements
- Partner: NW PCI Network
- Funding Agency: National Institute of General Medical Sciences
- Status: Ongoing

**Protecting Our Community: A Pragmatic, Randomized Trial of Home-based COVID Testing with American Indian and Latino Communities**

*Alexandra Adams, MD, PhD, Montana State University*

- Objective: Test the hypothesis that home-based testing will be feasible, impactful and better accepted using active test kit delivery by trusted community members
- Partners: Center for American Indian and Rural Health Equity at Montana State University, Providence Medical Research Center, Fred Hutchinson Cancer Research Center, Salish Kootenai College, ITHS Community Engagement Program
- Funding Agency: National Institute of General Medical Sciences
- Status: Ongoing

**Research Enterprise Metadata Project**

*Laurie Hassell, Institute of Translational Health Sciences; Jodi Smith, MD, Seattle Children's*

- Objective: Determine available research-related data elements available and establish a baseline from which to assess initiatives to improve study startup and equity, diversity and inclusion in research
- Partner: NW PCI Network
- Funding Agency: Institute of Translational Health Sciences
- Status: Ongoing

**Using Technology to Optimize Collaborative Care Management of Depression in Urban and Rural Cancer Centers (resubmission)**

*Amy Bauer, MD, MS, and Jesse Fann, MD, University of Washington*

- Objectives: Design, develop and test a technology-enhanced collaborative care model for treatment of depression among patients with a cancer diagnosis
- Partners: NW PCI Network
- Funding Agency: National Cancer Institute
- Status: Ongoing

## **Center and Network Partnerships:**

### **Early Phase Pain Investigation Clinical Network (EPPIC-Net)**

*Miroslav "Misha" Bačkonja, MD, Dale Langford, PhD, and Allison Cole, MD, MS, University of Washington*

- Objective: To impact the management of pain, through expeditious discovery and validation of biomarkers and analgesic therapies and in-depth phenotyping
- Partners: Providence Health Care, Billings Clinic
- Funding Agency: National Institute of Neurological Disorders and Stroke
- Status: Ongoing

### **OPTICC: Implementation Science Advanced Center for Cancer Control Implementation Laboratory**

*Bryan Weiner, PhD, University of Washington*

- Objectives: Speed translation of evidence-based cancer control interventions into practice
- Partners: NW PCI Network, WWAMI region Practice and Research Network
- Funding Agency: National Cancer Institute
- Status: Ongoing

### **Pacific NW Node of the National Institute for Drug Abuse Clinical Trials Network**

*Dennis Donovan, PhD, University of Washington*

- Objective: To develop, refine, and deliver new treatment options to patients with substance abuse disorders
- Partners: NW PCI Network and the WWAMI region Practice and Research Network
- Funding agency: National Institute on Drug Abuse
- Status: Ongoing

### **Undiagnosed Diseases Network**

*Gail Jarvik, MD, PhD, University of Washington; Katrina Dipple, MD, PhD, Seattle Children's*

- Objective: Improve diagnosis and care of patients with undiagnosed diseases
- Partners: NW PCI Network
- Funding Agency: National Institutes of Health
- Status: Ongoing

### **Washington Entrepreneurial Research Evaluation and Commercialization Hub (WE-REACH)**

*Rodney J. Y. Ho, PhD, University of Washington and Fred Hutch*

- Objective: To facilitate and accelerate the transformation of regional health research innovations into market-ready products and services that impact health outcomes
- Partners: NW PCI Network, WWAMI region Practice and Research Network, and ITHS
- Funding Agency: National Institutes of Health, Office of Extramural Research
- Status: Ongoing

## **Pending and In Development:**

### **Combination Therapy with Baloxavir and Oseltamivir for Hospitalized Patients with Influenza and Corticosteroids**

*Daniel Freilich, MD, Bassett Healthcare Network*

- Objective: Comparison of standard antiviral monotherapy with combination therapy for treatment of severe influenza
- Partner: Multicare Health System
- Funding Agency: National Center for Advancing Translational Science
- Status: Grant application pending

### **Deprescribing Collaborative to Reduce Polypharmacy in Rural Older Adults**

*Korey Kennelty, PharmD, MS, PhD, BCGP, University of Iowa*

- Objective: Develop and assess strategies for reducing polypharmacy in older adults living in rural settings
- Partner: ITHS Community Engagement Program, WWAMI region Practice & Research Network, Northwest PCI Network
- Funding Agency: Patient-Centered Outcomes Research Institute
- Status: Grant application pending

### **Improving Cancer Screening among Rural Communities**

*Deborah Bowen, PhD, and Barbara Norquist, MD, University of Washington*

- Objective: Compare implementation of two testing strategies for identifying members of primary care patient populations who are at genetically at increased risk for developing cancer and implementing genetic testing
- Partners: Billings Clinic and TBD
- Funding Agency: National Cancer Institute
- Status: Grant application pending

### **Increasing Dementia Detection in Older Adults in Primary Care**

*Elizabeth A. Phelan, MD MS, University of Washington*

- Objective: Assess an electronic health record-embedded clinical pathway to detect cognitive impairment
- Partner: University of Alaska Fairbanks
- Funding Agency: National Institute of Neurological Disorders and Stroke
- Status: Grant application pending

**Multifactorial Basis for Metabolic Perturbations in Wildland Firefighters**

*Robert Coker, PhD, FACSM, FTOS, University of Alaska Fairbanks; John Quindry, PhD, and Brent Ruby, University of Montana*

- Objective: To evaluate the impact of acute particulate exposure and ventilatory compensation, determine influence of clinically relevant stress criteria and sleep deprivation, and to develop an algorithm to predict exceptional metabolic risk
- Partners: University of Alaska Fairbanks, University of Montana
- Funding Agency: National Institute of General Medical Sciences
- Status: In development

**Practice-Based Suicide Prevention Research Center**

*Kate Comtois, PhD, MPH, University of Washington*

- Objective: Improve outcomes across the suicide care pathway from identification of suicide risk through assessment to decision making and risk management, crisis response, treatment of suicidality, and long-term surveillance and follow-up in adolescents
- Partners: NW PCI Network
- Funding Agency: National Institute of Mental Health
- Status: Grant application pending

**Remote Multi-Center Network to Advance Remote Outcome Technologies Consortium**

*Christopher Goss, MD, MSc, University of Washington and Ann Melvin, MD, Seattle Children's*

- Objective: Demonstrate and evolve remote rural clinical research by conducting a cohort study in rural communities to assess COVID symptoms and collect biospecimens
- Partners: ITHS Community Engagement Program
- Funding Agency
- Status: Grant application pending

## **Completed Research Projects:**

### **Accelerating Change and Innovation in Organizational Networks (ACTION III)**

*Jeannine Brant, PhD, APRN-CNS, AOCN, Billings Clinic*

- Objective: To undertake rapid-cycle field-based research designed to promote innovation in health care delivery by accelerating the diffusion of research into practice
- Partners: NW PCI Network and the WWAMI region Practice and Research Network
- Funding agency: Agency for Healthcare Research and Quality
- Status: Complete

### **Accuracy of Electronic Health Record Data to Identify Patients in need of Lung Cancer Screening**

*Allison Cole, MD, MS, and Sophie Cain Miller, University of Washington*

- Objective: Assess the sensitivity, specificity and predictive value of an electronic health record query, compared to patient self-report of tobacco status and need for lung cancer screening
- Partner: MultiCare Health System
- Funding Agency: National Center for Advancing Translational Science
- Status: Complete

### **Accelerating COVID-19 Therapeutic Interventions and Vaccines: Adaptive Platform Treatment Trial for Outpatients with COVID-19 (ACTIV-1)**

*Daniel Benjamin, Duke University*

- Objective: Phase III randomized Blinded Controlled Trial of the Safety and Efficacy of immune modulators for the Treatment of COVID-19 in Hospitalized Adults
- Partners: Providence Medical Research Center, University of Washington
- Funding Agency: National Center for Advancing Translational Science
- Status: Complete

### **Accelerating COVID-19 Therapeutic Interventions and Vaccines: Adaptive Platform Treatment Trial for Outpatients with COVID-19 (ACTIV-2)**

*Multiple*

- Objective: Randomized, placebo-controlled study to assess the safety and effectiveness of different drugs in treating COVID-19 in outpatients
- Partners: Billings Clinic, University of Washington
- Funding Agency: National Institute of Allergy and Infectious Disease
- Status: Complete

**Accelerating COVID-19 Therapeutic Interventions and Vaccines: COVID-19 Outpatient Thrombosis Prevention Trial (ACTIV-4B)**

*Multiple*

- Objective: Adaptive randomized double-blind placebo-controlled platform trial to compare the effectiveness of anti-coagulation with anti-platelet agents and with placebo to prevent thrombotic events in patients diagnosed with COVID-19
- Partners: MultiCare Health System, Saint Alphonsus Health System, Bozeman Health
- Funding Agency: National Heart, Lung and Blood Institute
- Status: Complete

**Adaptive COVID-19 Treatment Trial (ACTT)**

*Multiple*

- Objective: Adaptive, randomized, double-blind, placebo-controlled trial to evaluate the safety and efficacy of novel therapeutic agents (e.g., Remdesivir) in hospitalized adults diagnosed with COVID-19
- Partners: Providence Medical Research Center
- Funding Agency: National Institute of Allergy and Infectious Disease
- Status: Complete

**Analytic and Operational Support for the Engagement of the Public and Patients**

*Danielle Lavallee, PharmD, PhD, University of Washington*

- Objective: To undertake rapid-cycle research designed to examine engagement of patients and the public, and assess operational support for related initiatives
- Partners: NW PCI Network and the WWAMI region Practice and Research Network
- Funding Agency: Patient Centered Outcomes Research Institute
- Status: Complete

**Efficacy, Safety and Tolerability of AVP-786 for the Treatment of Neurobehavioral Disinhibition Including Aggression, Agitation and Irritability in Patients with Traumatic Brain Injury**

*Avanir Pharmaceuticals*

- Objectives: Phase II/III efficacy, safety and tolerability, and observational study in intermittent explosive disorder
- Partner: St. Luke's Rehabilitation Institute
- Funding Agency: Avanir Pharmaceuticals
- Status: Complete



**Engaging Clinicians in Research: A Needs Assessment Survey**

*Laura-Mae Baldwin, MD, MPH, University of Washington, NW PCI Network*

- Objective: To identify the barriers to and potential for clinician involvement in research at NW PCI clinical sites
- Partners: Billings Clinic, MultiCare Health System, Providence Health Care, Kootenai Health, and Seattle Children's
- Funding agency: Institute of Translational Health Sciences
- Status: Complete

**Establishing a Child-Centered Clinical and Research Community that Fosters Long-term Healthy Lifestyles of Children with Disabilities**

*Cheryl Kerfeld, PT, MS, PhD, and Tracy Jirikowic, PhD, PTR/L, University of Washington*

- Objective: To develop and examine a model of modifiable child, family, and environmental facilitators and barriers that influence physical activity participation and health-related fitness of children who use assistive mobility devices
- Partners: MultiCare Health System, Seattle Children's
- Funding agency: Institute of Translational Health Sciences
- Status: Complete

**Food Environment, Diet Quality and Disparities in Obesity**

*Adam Drewnowski, PhD, MA, University of Washington*

- Objective: To determine whether changes in social, economic and built environments predict changes in energy balance-related behaviors (energy intakes, diet quality and physical activity), weight and other health outcomes over a 24-month period
- Partners: MultiCare Health System and WWAMI region Practice and Research Network
- Funding agency: National Institute of Diabetes and Digestive and Kidney Diseases
- Status: Complete

**NephCure Accelerating Cures Institute (NACI) Clinical Care Network (Kidney Research Net)**

*Debbie S. Gipson, MD, MS, University of Michigan; Katherine R. Tuttle, MD, FASN, FACP, FNKF, University of Washington and Providence Health Care*

- Objective: To create a network of research centers and community clinics across the United States to serve as established kidney disease clinical trial sites
- Partners: NW PCI Network and the WWAMI region Practice and Research Network
- Funding Agency: Various
- Status: Complete

**Pacific NW Node of the National Institute for Drug Abuse Clinical Trials Network**

*Dennis Donovan, PhD, University of Washington*

- Objective: To develop, refine, and deliver new treatment options to patients with substance abuse disorders
- Partners: NW PCI Network and the WWAMI region Practice and Research Network
- Funding agency: National Institute on Drug Abuse
- Status: Complete

**Passive Immunity Trial for our Nation (Pass It On)**

*Todd Rice, Vanderbilt University Medical Center*

- Objective: Randomized, placebo-controlled study is to test the safety and efficacy of convalescent donor plasma to treat COVID-19 in hospitalized adults
- Partners: University of Washington, Kootenai Health, Loyola University Chicago, Mercy Health Muskegon
- Funding Agency: National Center for Advancing Translational Science
- Status: Complete

**Patient Centered Outcomes Research Partnership (PCORP) Scholars**

*Larry Kessler, ScD, University of Washington*

- Objective: To prepare scientists and clinicians in conducting collaborative research on patient-centered outcomes and the comparative effectiveness of medical treatments or health system interventions
- Partners: NW PCI Network and the WWAMI region Practice and Research Network
- Funding agency: Agency for Healthcare Research and Quality
- Status: Complete

**Primary Care Opioid Use Disorders Trial**

*Katharine Bradley, MD, MPH, Kaiser Permanente Washington Health Research Institute*

- Objective: To compare usual primary care to nurse-based collaborative care for treatment of opioid use disorder with medication-assisted treatment in primary care settings (the Massachusetts Model)
- Partners: MultiCare Health System, Pacific NW Node of National Institute for Drug Abuse (NIDA) Clinical Trials Network
- Funding Agency: National Institute for Drug Abuse
- Status: Complete

**Prospective Evaluation of Outcomes after Implantable Cardioverter Defibrillator Generator Exchange (PRECEDE)**

*Faisal Merchant, MD, Emory University*

- Objectives: Evaluating predictors of mortality and cause of death, health status trajectories and patient perceptions following implantable cardioverter defibrillator generator exchange
- Partners: Providence Health Care, MultiCare Health System
- Funding Agency: National Heart, Lung and Blood Institute
- Status: No NW PCI sites selected

**Research on Medical Practice (ROMP)**

*Benjamin S. Wilfond, MD, Seattle Children's*

- Objective: To understand how patients weigh the tradeoffs between risks, quality of care, and autonomy when considering participation in research examining standard medical practice interventions
- Partners: Providence Health Care
- Status: Complete

**Shape and Future of Advance Care Planning in the WWAMI Region**

*J. Randall Curtis, MD, MPH, and Ruth Engelberg, PhD, University of Washington*

- Objectives: 1) To assess advance care planning for patients with serious illness in community outpatient settings in the WWAMI region, and 2) To assess level of interest for participation in interventional studies to enhance advance care planning and types of interventions of interest
- Partners: Idaho State University Family Medicine Clinical Research Center, Kootenai Health, and WWAMI region Practice and Research Network
- Funding agency: Institute of Translational Health Sciences
- Status: Complete

**Using Functional Profiles to Predict Transition Issues for Those with Cerebral Palsy**

*Mary Jo Cooley-Hidecker, PhD, MS, MA, CCC-A/SLP, University of Wyoming*

- Objectives: 1) To build a community of practices within the NW PCI Network interested in clinical research with adolescents and adults who have cerebral palsy, 2) To collect patient functional classifications/profiles at one NW PCI site with 20 adolescents and adults who have cerebral palsy, 3) To identify how this research impacts patient care and affects the NW PCI clinical sites' workflow
- Partner: MultiCare Health System
- Funding Agency: MultiCare Health System Intramural Program
- Status: Complete

**Wellstone Muscular Dystrophy Center of Excellence**

*Stephen Tapscott, MD, PhD, Fred Hutchinson Cancer Research Center; Jeffrey Chamberlain, PhD, University of Washington*

- Objective: To identify investigators in the 5-state WWAMI region with research interests that align with the priorities and needs of the muscular dystrophy research community
- Partners: ITHS Community Engagement Program
- Funding Agency: National Institute of Arthritis and Musculoskeletal and Skin Diseases
- Status: Complete

## **Research Projects Not Funded or Inactive**

### **Accelerating COVID-19 Therapeutic Interventions and Vaccines: COVID-19 Outpatient Randomized Trial to Evaluate Efficacy of Repurposed Medications Trial (ACTIV-6)**

*Multiple*

- Objective: Adaptive randomized double-blind placebo-controlled platform trial to evaluate the effectiveness of currently approved drugs in outpatient participants with mild to moderate symptoms
- Partners: Providence Medical Research Center
- Funding Agency: National Heart, Lung and Blood Institute
- Status: Site not selected

### **Acquisition of Sensor Data from Smart and Wearable Devices for Use in Broad Application Domains**

*Margaret Rosenfeld, MD, MPH, Seattle Children's*

- Objective: Generate "flagship" data sets and best practices for machine learning analysis
- Partner: NW PCI Network
- Funding Agency: National Institutes of Health Common Fund
- Status: Not funded

### **Center for Advanced Preclinical Modeling of Human Disease**

*Mark Jutila, PhD, and Seth Walk, PhD, Montana State University*

- Objective: To establish research partnerships with local, regional and national clinicians and clinical organizations to collaborate on organoid research
- Partners: NW PCI Network and WWAMI region Practice & Research Network
- Funding Agency: National Institute of General Medical Sciences
- Status: Not funded

### **COVID-19 Surveillance Community Action Network (C-SCAN) for Food Systems: Integrated Research, Prevention Education and Outreach for the Suppression of SARS-CoV-2 in Tribal and Rural Communities of Montana**

*Selina Ahmed, PhD, Montana State University*

- Objective: Test seroprevalence of SARS-CoV-2 antibodies, assessing disease spread, identify resistance, facilitate healthcare access and assure safe food supply
- Partner: Providence Medical Research Center
- Funding Agency: United States Department of Agriculture
- Status: Not funded

**Comparing Invasive vs. Noninvasive Evaluation and Management of Angina (CINEMA)**

*Armin Zadeh, Johns Hopkins University*

- Objective: Determine if noninvasive evaluation for high-risk anatomy and respective management is safe and cost-effective for all stable angina patients
- Partners: MultiCare Health System, Providence Medical Research Center
- Funding Agency: National Heart, Lung and Blood Institute
- Status: Not funded

**EPPIC-Net: 24-week Study to Evaluate the Safety and Efficacy of CNTX-6970 in Subjects with Moderate to Severe Knee Osteoarthritis Pain**

*Miroslav "Misha" Bačkonja, MD, Dale Langford, PhD, and Allison Cole, MD, MS, University of Washington*

- Objective: Test safety and efficacy of an investigational new drug on pain among patients with knee osteoarthritis
- Partners: NW PCI Network
- Funding Agency: National Institute on Drug Abuse
- Status: No sites recruited

**Escitalopram for Agitation in Alzheimer's Disease**

*Constantine Lyketsos, MD, MHS, Johns Hopkins*

- Objective: Phase III double-masked, randomized, placebo-controlled trial to assess a new medication against standard of care for participants with Alzheimer's Disease
- Partners: NW PCI Network
- Funding Agency: National Institute on Aging
- Status: No interested sites

**Healthy Brain & Child Development: Substance Use Impacts on Mothers and Children**

*Nina de Lacy, MD, MBA, University of Washington and Seattle Children's*

- Objective: Understand cognitive, behavioral and emotional development from perinatal period to childhood to understand the influence of perinatal substance use in development
- Partners: Southcentral Foundation
- Funding Agency: National Institute on Drug Abuse
- Status: Grant not submitted, not competitive

**Implementing the Moon: Getting Genomic Testing to the Public**

*Elizabeth Swisher, MD, and Deborah Bowen, PhD, University of Washington*

- Objective: Identify the best methods of implementing cancer genetic testing into ongoing clinical practice in two healthcare systems
- Partners: Billings Clinic, MultiCare Health System
- Funding Agency: National Cancer Institute
- Status: Not funded

**Mechanisms and Effects of Online Pain Self-Management for Adults with Opioid Use Disorder**

*Marian Wilson, PhD, MPH, RN-BC, Washington State University*

- Objectives: Identify effective methods of aiding patients with opioid use disorder manage their pain
- Partners: ITHS Community Engagement Program
- Funding Agency: National Institute on Drug Abuse
- Status: Not funded

**Mobile Video Interpretation to Optimize Communication Across Language Barriers**

*K. Casey Lion, MD, MPH, University of Washington, and Seattle Children's*

- Objective: Assess strategies to improve interpreter use in real-world settings
- Partners: WWAMI region Practice & Research Network, Northwest Participant & Clinical Interactions Network
- Funding Agency: National Institute of Minority Health and Health Disparities
- Status: No sites recruited

**Moving Genetic Discovery for Cancer Care to Rural Areas**

*Deborah Bowen, PhD, and Allison Cole, MD, MS, University of Washington*

- Objectives: Compare the implementation of two strategies to improve screening and identification of rural patients at high-risk for developing cancer.
- Partners: ITHS Community Engagement Program, Idaho State University – Health West, Billings Clinic, and the WWAMI region Practice and Research Network
- Funding Agency: National Cancer Institute
- Status: Not funded

**Multi-Component System Redesign in Primary Care Settings to reduce Opioid Prescribing and Improve Patient Outcomes**

*Michael Parchman, MD, Kaiser Permanente Washington Health Research; Kari Stephens, PhD, University of Washington*

- Objectives: Test an enhanced “Six Building Blocks” program to improve opioid prescribing practices while improving patient outcomes related to chronic pain and common comorbidities
- Partners: Kaiser Permanente Washington Health Research Institute and the ITHS Community Engagement Program
- Funding Agency: National Institutes of Health
- Status: Not funded

**Multimodal Atlas of Disease for Artificial Intelligence: Generating datasets for pseudotime manifolds of health trajectories**

*Cecilia Lee, MD, MS, University of Washington*

- Objective: Generate “flagship” data sets and best practices for machine learning analysis
- Partner: NW PCI Network
- Funding Agency: National Institutes of Health Common Fund
- Status: Sites not selected

**Northwest PASC (Post-Acute Sequelae in COVID-19) Consortium for Diabetes, Kidney and Metabolic Disease – Electronic Health Record**

*Katherine R. Tuttle, MD, FASN, FACP, FNKF, University of Washington and Providence Health Care; Jonathan Himmelfarb, MD, FASN, University of Washington*

- Objective: Determine the phenotypic features of PASC among high-risk patients with chronic kidney disease, diabetes and/or hypertension
- Partners: Providence Medical Research Center, University of Washington
- Funding Agency: National Institute of Diabetes and Digestive and Kidney Diseases
- Status: Not funded

**Northwest PASC (Post-Acute Sequelae in COVID-19) Consortium for Diabetes, Kidney and Metabolic Disease – Recovery Cohort**

*Katherine R. Tuttle, MD, FASN, FACP, FNKF, University of Washington and Providence Health Care; Jonathan Himmelfarb, MD, FASN, University of Washington*

- Objective: Inform relevant exposures and outcomes in a geographically, ethnically and racially diverse cohort of people with SARS-CoV-2 infection
- Partners: Providence Medical Research Center, University of Washington, University of Alaska Fairbanks, Bozeman Health, Center for American Indian and Rural Health Equity, Montana State University
- Funding Agency: National Institute of Diabetes and Digestive and Kidney Diseases
- Status: Not funded

**Nutrition Specific Strategies for Health and Longevity**

*Robert Coker, PhD, FACSM, FTOS, University of Alaska Fairbanks*

- Objective: To determine effectiveness of weight loss intervention on muscle mass preservation, weight loss maintenance and effects on related gene expression
- Partner: NW PCI Network
- Funding Agency: National Institute of General Medical Sciences
- Status: Not funded

**Nutritional Therapy in Alcohol Use Disorder**

*Robert Coker, PhD, FACS, FTOS, University of Alaska Fairbanks*

- Objective: To assess protein-based intervention on retention of muscle mass in patients diagnosed with alcohol use disorder
- Partner: NW PCI Network
- Funding Agency: National Institute of General Medical Sciences
- Status: Not funded

**Pediatric Pandemic Response Network**

*Danielle Zerr, MD, MPH, Seattle Children's*

- Objective: Disseminate and implement evidence-based pandemic plans and responses
- Partners: NW PCI Network
- Funding Agency: Health Resources and Services Administration
- Status: Grant not funded

**Rhythm Evaluation for Anticoagulation for Atrial Fibrillation (REACT-AF)**

*Rod Passman, MD, Northwestern University*

- Objective: Assess chronic versus time-delimited direct oral anticoagulation therapy in patients with non-permanent atrial fibrillation
- Partners: MultiCare Health System, Saint Alphonsus Health System
- Funding: National Heart, Lung and Blood Institute
- Status: Not funded

**Risk Prediction Tool to Identify Rural Newborns at High Risk for Missing Early Childhood Vaccinations**

*Annika Hofstetter, MD, PhD, MPH, Seattle Children's*

- Objective: To apply and test a risk prediction model among infants born in rural Washington State
- Partner: Providence Health Care
- Funding Agency: Seattle Children's
- Status: Not Funded

**Science in the Social Media Era**

*Danielle Lavalley, PhD, PharmD, University of Washington*

- Objective: To develop social media strategies to support engagement of research participants and enable research teams to responsibly use social media to communicate about science
- Partners: NW PCI Network, WWAMI region Practice & Research Network
- Funding Patient Centered Outcomes Research Institute
- Status: Not funded



**Using Technology to Optimize Collaborative Care Management of Depression in Urban and Rural Cancer Centers**

*Amy Bauer, MD, MS, and Jesse Fann, MD, University of Washington*

- Objectives: Design, develop and test a technology-enhanced collaborative care model for treatment of depression among patients with a cancer diagnosis
- Partners: NW PCI Network
- Funding Agency: National Cancer Institute
- Status: Not funded