

Faculty research interests

Kaiser Permanente is an innovator in using research to find answers to important questions and use that knowledge to improve clinical practices, care delivery, and health outcomes. Researchers at Kaiser Permanente Southern California have a wide range of expertise. Scientists partner with clinicians to identify clinically relevant questions and bring findings into clinical practice. For more information about research at Kaiser Permanente Southern California, visit kp.org/research.

Research Scientists

Annette L. Adams, PhD, MPH

- Pharmacologic influences on bone health and fractures
- Screening, treatment, and outcomes of osteoporosis
- Outcomes associated with long-term bisphosphonate use
- Fall and fracture risks

Chun Chao, PhD, MS

- Cervical cancer prevention and screening
- Lymphoid malignancies
- Outcomes in cancer survivors

Karen J. Coleman, PhD, MS

- Health equity
- Mental health
- Bariatric surgery

Kim N. Danforth, ScD, MPH

- Cancer epidemiology and prevention
- Cancer care quality and survivorship
- Patient safety in ambulatory care
- Health services and implementation research

Stephen F. Derose, MD, MSHS

- Sleep disorders and therapy
- Clinical epidemiology of chronic disease
- Health services research and population health care

Darios Getahun, MD, PhD, MPH

- Population-based studies related to perinatal and child health issues
- Environmental, genetic, and perinatal effects on pregnancy outcomes
- Fetal origin of childhood diseases

David Glass, PhD

- Physician/patient decision making
- Patient decisions on sites of care
- End-of-life issues

Michael K. Gould, MD, MS

- Quality of care in thoracic oncology
- Diagnosis, prevention, and treatment of venous thromboembolism
- Comparative effectiveness research
- Development and implementation of clinical practice guidelines

Erin E. Hahn, PhD, MPH

- Quality of cancer care
- Cancer survivorship
- Clinical practice guidelines and evidence-based practices

Reina Haque, PhD, MPH

- Breast cancer and women's health
- Cancer epidemiology, molecular markers of risk and survival
- Cancer survivorship
- Pharmacoepidemiology

Rulin Hechter, MD, PhD

- HIV prevention and care outcomes
- Integrated substance abuse treatment
- Vaccine safety and effectiveness

Steven J. Jacobsen, MD, PhD

- Men's urologic health
- Vaccine safety and effectiveness
- Renal diseases

Aniket A. Kawatkar, PhD, MS

- Health economics
- Patient-reported outcomes
- Discrete choice conjoint experiments

Corinna Koebnick, PhD, MSc

- Obesity epidemiology
- Pediatric preventive care services
- Chronic disease outcomes

Jean M. Lawrence, ScD, MPH, MSSA

- Maternal and child health epidemiology
- Diabetes in children and young adults
- Transitions of care for childhood to adulthood
- Risk factors and outcomes of gestational diabetes

Brian S. Mittman, PhD

- Implementation/improvement science
- Delivery system science
- Patient-centered outcomes research

Claudia Nau, PhD

- Social determinants of health
- Obesity and chronic disease
- Quantitative methods
- Cross-sectorial collaborations

Huong Q. Nguyen, PhD, RN

- Physical activity monitoring and coaching
- Collaborative care for complex and advanced illnesses
- Care transitions

Lei Qian, PhD

- Vaccine effectiveness and safety
- Assessment of systematic intervention effects
- Self-controlled study design
- Statistical methods

Kristi Reynolds, PhD, MPH

- Chronic disease epidemiology
- Cardiovascular outcomes
- Medication adherence

Adam L. Sharp, MD, MS

- Health services/ implementation research
- Emergency imaging and hospital admissions
- Social determinants

Ernest Shen, PhD

- Statistical methods and study design
- Structural equation modeling
- Bayesian statistics
- Health services research

Jiaxiao M. Shi, PhD

- Statistical methods
- Study design and data analysis
- Pharmaceuticals and breast cancer risk
- Chronic kidney disease, hypertension, and cardiovascular risk

Margo A. Sidell, ScD, MSPH

- Biostatistics
- Health behaviors
- Physical activity, diet, and environments

Jeff Slezak, MS

- Bladder cancer
- Prostate cancer
- Vaccine safety
- Predictive modeling

Sara Yee Tartof, PhD, MPH

- Vaccine safety and effectiveness
- Hospital-acquired infections
- Antibiotic stewardship/resistance

William J. Towner, MD

- Infectious disease clinical trials
- HIV and hepatitis C
- Complex chronic disease management

Hung Fu Tseng, PhD, MPH

- Vaccine safety and effectiveness
- Infectious diseases surveillance
- Cancer epidemiology
- Genetic epidemiology

Anny Hui Xiang, PhD

- Diabetes and gestational diabetes
- Clinical trials: study design, monitoring, data analysis
- Biostatistics: application and problem solving

Deborah Rohm Young, PhD, MBA

- Physical activity and cardiovascular disease risk factors
- Community-based physical activity/obesity prevention
- Targeted food marketing to minority youth
- African-American cardiovascular health

Affiliated Investigators**Somjot S. Brar, MD, MPH**

- Cardiovascular disease and risk factors
- Medical devices and interventional procedures
- Clinical trials and meta-analysis

Sirichai Chayasirisobhon, MD

- Mechanism of refractory epilepsy
- Vagus nerve stimulation for epilepsy
- Clinical trials of new antiepileptic drugs

R. James Dudl, MD

- Cardiovascular disease prevention
- Diabetes complication prevention
- Glucose control for patients with diabetes
- Self-care for diabetes

Donald S. Fong, MD, MPH

- Clinical trials
- Diabetic retinopathy
- Age-related maculopathy

Annette M. Langer-Gould, MD, PhD, MS

- Multiple sclerosis
- Neuroepidemiology
- Prognosis of chronic diseases

George F. Longstreth, MD

- Irritable bowel syndrome
- Acute lower bowel ischemia
- Acute diverticulitis
- Gastrointestinal epidemiology

David A. Sacks, MD

- Screening for gestational diabetes
- Diabetes during and after pregnancy
- Prevention of gestational diabetes
- Technology-enabled management of diabetes in pregnancy

Michael Schatz, MD, MS

- Asthma outcomes
- Quality-of-life measures for asthma
- Asthma and pregnancy

Adam Schickedanz, MD

- Impact of social needs on health care utilization, costs, and health
- Evaluation of interventions addressing social determinants of health
- Influence of financial interventions on mental health and quality of life

Lauren Wallner, PhD, MPH

- Quality of breast and prostate cancer care
- Outcomes after cancer treatment
- Cancer care coordination
- Interventions to improve cancer care

Robert S. Zeiger, MD, PhD

- Prevention of asthma and allergic disorders
- Clinical trials of asthma treatments
- Outcomes research

Clinician Investigators

Raymond H. Chen, MD, DPhil

- Adult cardiac surgery and perioperative care
- Big data-driven indications for surgery
- Algorithm-driven quality measures
- Telemedicine and remote care

Casey Ng, MD

- Kidney stone prevention
- Evaluation of asymptomatic microscopic hematuria
- Effects of kidney cancer treatment on renal function and survival

Navdeep Sangha, MD

- Ischemic stroke
- Intracerebral hemorrhage
- Hospital-based systems of care and their application toward stroke
- Telestroke

John J. Sim, MD

- Resistant hypertension
- Chronic kidney disease epidemiology and outcomes
- Glomerulonephritis
- Patient safety in hypertension and chronic kidney disease

Devansu Tewari, MD, MBA

- Gynecologic pre-invasive and invasive cancers
- Integrated health care systems and cancer delivery
- Quality metric developments in cancer therapy

Hui Xue, MD, MMSc

- Chronic renal disease progression
- Dialysis-related outcomes
- Kidney transplantation

Emily Lawrence Whitcomb, MD

- Pelvic floor disorders, including urinary and fecal incontinence
- Pelvic organ prolapse

Bechien Wu, MD

- Acute pancreatitis
- Chronic pancreatitis
- Cystic neoplasms of the pancreas
- Gastric and pancreatic cancer

Research Fellows

Tracy Becerra-Culqui, PhD, MPH

- Neurodevelopmental disorders
- Exposures during pregnancy
- Vaccine safety
- Health equity

Katia Bruxvoort, PhD, MPH

- Vaccine safety and effectiveness
- Infectious diseases
- Treatment adherence
- Antimicrobial resistance

Gloria Chi, PhD, MD

*Epidemic Intelligence Service Officer
Centers for Disease Control and Prevention*

- Chronic disease
- Environmental health
- Social epidemiology

