

# 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](https://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

### John L. Adams, PhD

- Statistical methods
- Study design
- Comparative effectiveness research
- Program evaluation

### Somjot S. Brar, MD, MPH

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

### Chun Chao, PhD, MS

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

### Craig Cheetham, PharmD, MS

- Cardiovascular safety of medications
- Safety of drugs and vaccines in pregnancy
- Medication adherence

### 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

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

- Multiple sclerosis
- Neuroepidemiology
- Prognosis of chronic diseases

**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

**Marlene M. Lugg, DrPH, MPH**

- Immunization practices, quality, and safety
- Development of health information systems
- Causes and control of accidental injury

**Elizabeth A. McGlynn, PhD**

- Comparative effectiveness research
- Quality improvement and measurement methods
- Measuring the efficiency of care delivery
- Translation of research into policy making

**Brian S. Mittman, PhD**

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

**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

**Associate Investigators**

**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

**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

**Robert S. Zeiger, MD, PhD**

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

## Post-Doctoral Research Fellows

### Tracy Becerra-Culqui, PhD, MPH

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

### Nirupa R. Ghai, PhD, MPH

- Cancer epidemiology
- Health disparities
- Cancer prevention and screening
- Lifestyle and health behavior change

### Shayna L. Henry, PhD

- Chronic disease self-management
- Chronic kidney disease/end-stage renal disease
- Quality of health services

### Stephanie Reading, PhD, MPH

- Cancer survivorship
- Mental health
- Aging

### 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

## 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

