



ARCH

Applied Research
Collaborative for
Hospitalists

Welcome to the introductory ARCH newsletter. This newsletter will share information about active research, recent accomplishments and research opportunities for TPMG Adult HBS doctors. ARCH is a new research community for Adult HBS doctors in KP Northern California.

ARCH will soon be sharing more information about opportunities (including KP learn webinars) to learn about research and will reach out to our colleagues who have expressed interest in doing research

We share results of the recent ARCH research survey that many of you participated in. This survey helps highlight the interest and capacity amongst hospitalists in TPMG to pursue innovative hospital-medicine based research.

Goals of the ARCH initiative

Create and sustain a region-wide community of HBS physician researchers who collaborate on research activities

Mentor, educate, and support HBS physicians with research interest but limited experience

Improve patient outcomes by collaborating with local and regional leaders to translate research results into action

Popular Research Topics include: Complex Patients, Readmissions, Bedside Ultrasound, Specialist Consultants, Delirium, Outpatient Follow-Up after Discharge, Coordinating Care Using Technology, Inpatient Diabetes Management, Symptom Management, Electronic Health Record Use, Transitions of Care.

ARCH is supported by The Permanente Medical Group Delivery Science and Applied Research Program

ARCH Survey Highlights

135

KPNC Adult Hospitalists completed the survey from 18 facilities



69% HBS are interested in doing research

10 Physicians are currently doing research



40% have experience writing papers and designing studies



What is limiting Research?

Over 95% of physicians reported that clinical responsibility was a major barrier to conducting research

90% of physicians reported that family responsibilities was limiting and 80% cited lack of training or experience.



13 physicians are "extremely" interested in becoming a Principal Investigator

Over 50% of HBS physicians have experience performing literature reviews, data analysis and presenting at conferences



Roughly 1 in 4 physicians were extremely interested in becoming a Co-Investigator and 1 in 5 physicians were interested in being a clinical partner.

Only 11 HBS physicians have experience in writing grants

How to improve research training?

33 physicians were extremely interested in web-based and 29 were interested in attending in-person research skills seminars

Examples of proposed research questions

What is the effect of bridge clinic vs PCP post-discharge follow-up on hospital readmissions and patient outcomes?

Is there an association between ED length of stay and the amount of time between consult order and bedside assessment?

Is there an association between a positive screen for lack of healthy food options and admissions or readmissions for specific condition (e.g. CHF)? Could an intervention aimed at improving healthy food reduce readmissions for vulnerable populations?

For patients with a positive C. Diff PCR, does treating patients with oral Vancomycin improve patient outcomes compared to no treatment?

Internal Research Funding Opportunities

1. Rapid Analysis Projects: DOR PI and TPMG clinical leader, 6 month project, up to \$30,000 mainly for programmer analyst time, 2 cycles per year
2. Community Benefits Grant: TPMG physicians, 12 month project, up to \$70,000, 1 cycle per year, letter of intent to local research chair by second Monday of March
3. Delivery Science grants: TPMG Physician and DOR co-PI, up to 24-month projects, up to \$250,000, 2 cycles per year, must be high priority by Chair of Chiefs and/or TPMG executives