How Do I Get Funding to Get Started Doing CER?

Jerry Jarvik, M.D., M.P.H.
Professor of Radiology, Neurological Surgery and Health Services
Adjunct Professor Orthopedic Surgery & Sports Medicine and Pharmacy
Director, Comparative Effectiveness, Cost and Outcomes Research Center
(CECORC)
AUR May 2018
Acknowledgements

• NIH: UH2 AT007766; UH3 AT007766
• NIH P30AR072572
• PCORI: CE-12-11-4469

Disclosures

Physiosonix (ultrasound company): Founder/stockholder
UpToDate: Section Editor
Evidence-Based Neuroimaging Diagnosis and Treatment (Springer): Co-Editor
Talk Outline

• Training opportunities
• Pilot grants
• Mentored career development awards
• Large project awards
In a learning health care system, research influences practice and practice influences research.

**EVALUATE**
Collect data and analyze results to show what works and what doesn’t.

**IMPLEMENT**
Apply plan in pilot and control settings.

**DESIGN**
Design care and evaluation based on evidence generated here and elsewhere.

**ADJUST**
Use evidence to influence continual improvement.

**DISSEMINATE**
Share results to improve care for everyone.

**INTERNAL AND EXTERNAL SCAN**
Identify problems and potentially innovative solutions.
Since CER bridges the chasm between QI and research, so should funding sources...
For those who look after sheep, the importance of a well trained dog cannot be underestimated. Despite technological advances in farming, a replacement for a skilled sheepdog has yet to be found. For many years, dogs have been bred to develop the requisite traits of intelligence, stamina and obedience with the finest example being the Border Collie.

Sheepdogs are used when handling flocks of sheep, as they offer the safest and most efficient means of carefully moving sheep from one location to another. The skill of the handler is to move the sheep steadily so as to cause no distress. At Joyce Country Sheepdogs we hope to give you a practical insight into these skills with our variety of sheepdogs and their individual qualities and styles.
Start with Training Opportunities

• ASNRA/RSNA CERT: 1.5 day course + webinars and mentorship
• GERRAF: 2 yr career dvlpt award
• National Clinical Scholars Program: 2 yr career dvlpt award
Think Small
Pilot Grants ~$10-30k: Institutional Research Funds (UW examples)

- Royalty Research Fund
- ITHS (CTSA)
- Center grants (CLEAR Center)
- Philips pilot research fund
- CLEAR Center for MSK Disorders
UW Clinical Learning, Evidence And Research (CLEAR) Center for Musculoskeletal Disorders

- New UW NIH/NIAMS P30 Center
- Focused on transforming clinical research data
- Data sets available for MSK researchers
  - Claims (Marketscan, CMS)
  - Observational cohort (BOLD)
  - RCT (not yet…) LESS, LIRE
- Pilot $$ for faculty ($20k/project)
Pilot Grants: Institutional QA/QI Funds (UW examples)

- Hospital projects - Clinical Practice Innovator Projects
- Departmental projects
  - Radiology
  - Other Depts (Medicine)
Think slightly bigger...
AHRQ & NIH Training Awards

• NIH
  – K-series (NCATS/CTSAs eg KL2)
  – HSR: Ruth L. Kirschstein awards (F&T-series, eg T32)
  – National Research Service Award (NRSA)
• AHRQ: K01, K02, K08, K12
• Individual and Institutional
• Requires cost-sharing due to salary cap
Training Funding Trends (Mor et al HSR 2018)

Dissertation Grants
Think BIG

NIH

AHRQ

PCORI
NIH Collaboratory Demonstration Project Site Distribution

NIH Collaboratory Demonstration Projects are active in health systems across the United States, as shown in the map below. Hover over a pin for more information.

*Please note that pins may represent more than one site per state, and the pin location is not an exact representation.
Examining Coordinated Care

Do patient outcomes improve when care providers team up in a coordinated program?

SEE WHAT RESEARCHERS ARE LEARNING
PCORI

• Independent non-governmental organization
• Goal to help patients, clinicians, purchasers and policy makers make better informed health decisions
• Spearheading CER and pragmatic trials
PCOR Trust Fund

• 2010-2012: $210 million
• 2013: ~$320 million
  – $150 million general revenues
  – $1/Medicare beneficiary + private plans
• 2014-2019: ~$650 million/yr
  – $150 million general revenues
  – $2/beneficiary
• PCORTF not authorized after 2019
PCORI National Priorities

- Comparative Assessments of Prevention, Diagnosis, and Treatment Options
- Improving Healthcare Systems
- Addressing Disparities
- Accelerating Patient-Centered and Methodological Research
PCORI National Priorities

• Comparative Assessments of Prevention, Diagnosis, and Treatment Options
• Improving Healthcare Systems
• Addressing Disparities
• Accelerating Patient-Centered and Methodological Research
Other Opportunities (Mor et al 2018)

• Placement of trainees in health care systems with joint supervision by faculty mentors alongside clinicians and quality managers
• Internships in state government agencies such as Departments of Public Health, the Medicaid Agencies
• Collaborations with the outcomes divisions of pharmaceutical companies
• AcademyHealth-sponsored Delivery System Science Fellowship (DSSF) program
What We Covered

• Training opportunities
• Pilot grants
• Mentored career development awards
• Large project awards
“First, we numb you by showing you today’s headlines.”
Now You’re Ready