

Vision

Become a national leader in health services research focusing on interprofessional team-based practice, education and research to advance the science of health and health care delivery.

Mission

Applying Research to Optimize Care[®]

About CHSR

CHSR provides leadership in the science of health care delivery.

CHSR invests in cross-disciplinary collaborative efforts with researchers and organizations at the local and national levels to develop and implement projects that address priority issues in the field of health services, with the ultimate goal of improving health outcomes for individuals and populations.

CHSR encourages inter-professional team-based research to deliver high value health care and supports the development of new investigators. CHSR has expertise in five key areas of health services research:

- Patient-Centered Outcomes & Comparative Effectiveness Research
- Population Health
- Health Informatics
- Implementation Science
- Quality Improvement

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To learn more about OVIHD visit
spwww.ukhc.org/qualityworks/SitePages/Home.aspx



@UKCenterForHSR

UK Center for Health
Services Research

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Education and Training

CHSR Promotes Health Services Research and Health System Transformation through Education and Training.

Physicians and other health care professionals must acquire new knowledge and skills to be effective and accomplish their critical roles in the future health care system. This includes working effectively in teams, coordinating care, and applying systems thinking and re-engineering to health care delivery.

CHSR collaborates with diverse colleges and UK HealthCare to train and prepare students, fellows, residents, and faculty to investigate and address key issues relevant to the delivery and outcomes of healthcare. Training services for health professionals include:

- Seminars and workshop series with nationally recognized researchers and experts in health services research
- Sponsoring expert Visiting Professors for grand rounds
- Competency-based curricula focused on quality improvement, patient safety, teamwork, and evidence-based practice
- Online educational modules to enliven the learning experience and facilitate scalability

DASC

CHSR's Data, Analytics, and Statistical Core (DASC) provides research support to stakeholders across the University of Kentucky.

- Data collection and management
- Extraction from clinical data systems
- Survey development
- Program evaluation
- Study design and methodology
- Dashboard design
- Statistical analysis

OVIHD

Office for Value and Innovation in Healthcare Delivery

OVIHD serves as a resource for quality improvement and patient safety initiatives at UK HealthCare, as well as the translational unit for CHSR to accelerate the discovery of new knowledge concerning efficiency and effectiveness of health care delivery innovations. Our ultimate goal is to scale the next generation of solutions for improving health systems and overall population health. Our Experts in Quality Improvement and Process Engineering (EQUIPE) at OVIHD have specialized capabilities in quality and process improvement,

problem solving and change management, and support UKHC's commitment to patient-centered care. Our expertise includes:

- Lean principles and methodology
- Six Sigma (Black Belt)
- Facilitating Continuous QI Events
- Project Management
- Current and Future State Assessment
 - Value stream mapping
 - Process mapping
- Quantitative Modeling and Analysis
 - Cost modeling
 - Forecasting
 - Tool set and technology creation
 - Optimization and algorithm development
- Computer/Software
 - Facility layout AutoCAD
 - Workflow simulation Simul8
 - Process mapping VISIO
 - Database development SQL
 - Microsoft Office tool development VBA
 - Statistical analysis and display Minitab



QUALITY AND
PROCESS
IMPROVEMENT



PROBLEM
SOLVING
TRAINING



CHANGE
MANAGEMENT