



Wake Forest University  
School of Medicine

# aLHSSP

## Academic Learning Health System Scholars

### NIH-Funded Training Program

Annual Summer Start

#### Mission

To provide the next generation of scholars with the methodological and professional skills to conduct research in the complex environments of health systems and to disseminate and implement the findings from such research into practice.

#### Program Description

This two year full-time postdoctoral training program provides a stipend, time for research, and full tuition support to pursue graduate school training, including an MS in Translational and Health System Science, with the guidance of a multidisciplinary mentoring team.

#### Qualified Candidates

Fellows, residents, other individuals with a doctoral degree (MD, PhD, or similar) with interest in conducting research to improve healthcare delivery and patient outcomes.



#### Program Elements

- aLHSSP core curriculum
- Leading one (or more) mentored research projects
- Protected research time
- Full tuition coverage (MS, certificate, coursework)
- Dedicated mentoring team + Individual development plan
- Presentations at national meetings
- First-authored manuscripts



#### Program Directors



**Janet Tooze, PhD**  
Professor  
*Biostatistics and Data Science*



**Thomas K. Houston, MD**  
Professor  
*Internal Medicine*

*Intended for individuals pursuing careers focused on healthcare research and leading externally funded research grants.*



# Program Description

## Curriculum and Coursework



Designed to build core competencies in conducting Academic Learning Health System research, the curriculum encompasses the following eight competency domains:

### Systems Science and Organizational Change Management

*Understand how health systems are financed and operate to apply systems theory to research and implementation.*

### Research Questions and Standards of Scientific Evidence

*Ask meaningful questions relevant to health system stakeholders and evaluate the usefulness of scientific evidence and insights.*

### Health Systems Research Methods

*Conduct research in real-world systems using appropriate study designs and analytic methods to assess outcomes of interest to health system stakeholders.*

### Biomedical Informatics

*Understand the use of information systems in conducting aLHS research and apply these methods to improve patient and health system outcomes.*

### Ethics of Research and Implementation in Health Systems

*Ensure that research and quality improvement in healthcare settings adhere to the highest ethical and regulatory standards.*

### Improvement and Implementation Science

*Reduce avoidable variation in process and outcome and ensure the systematic uptake of research findings in a health system.*

### Stakeholder Engagement, Leadership, and Research Management

*Engage stakeholders in all aspects of the research process and effectively lead and manage aLHS research teams and projects.*

### Health Equity and Health Disparities

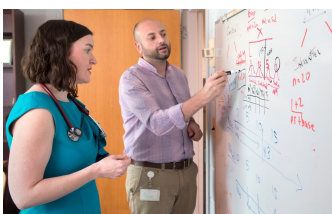
*Apply content and methodologic training in health equity and health disparities to each competency above such that health equity and health disparities are an integral part of each*

### Research

Trainees will conduct a mentored research project to address a pressing issue relevant to Wake Forest and other health systems. Projects will seek to improve patient outcomes, access to care, or healthcare costs.

### Mentoring

Projects will be guided by teams of experienced faculty who meet with trainees on a regular basis to review progress and assist trainees in navigating obstacles that may arise in conducting research projects in healthcare settings.



### Compensation

Trainees will receive NIH postdoctoral-level stipends and tuition benefits. Trainees may also be eligible to receive additional support from the sponsoring academic department.



If you are interested in this program, contact:  
**Janet Tooze, PhD, Program Director**  
[jtooze@wakehealth.edu](mailto:jtooze@wakehealth.edu)



**Use the QR Code** to link to the new aLHSSP application.