

# Focused Advanced Specialty Track

## *SCIENCE OF HEALTHCARE DELIVERY*

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Number of residents you can accommodate: 4

Are you willing to have your track combined with another one? Yes

- Administration
- Research

Sponsoring Institution: Johns Hopkins Hospital

### **Program Curriculum**

#### Goal

The goal of the SHD track is to train residents to broadly apply engineering and population health principles to challenges in healthcare delivery. Areas of interest include: clinical decision support, systems engineering, operations research, health informatics, health resource access and utilization for vulnerable populations, cost effectiveness, and human factors engineering.

#### Objectives

1. To learn engineering and health services research problem solving approaches.
2. To use data to understand and improve healthcare delivery systems.
3. To gain experience working in multi-disciplinary teams, both within and outside of the traditional health care system.

#### Resident opportunities exist in all ongoing projects:

1. Health informatics based projects in the ED and hospital.
2. Studies of cost-effectiveness and resource utilization.
3. Community engagement to optimize health care access and utilization
4. ED data-driven diagnostics
5. Studies of ED or hospital operations