



## NEWS RELEASE

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FOR IMMEDIATE RELEASE

### **HSyE Institute and Maine Medical Center one of 8 clinical learning environment awardees in \$4.8m collaboration to redesign and re-engineer graduate medical education**

The Maine Medical Center and Healthcare Systems Engineering Institute (HSyE) at Northeastern have received one of eight “Pursuing Excellence in Clinical Learning Environments” awards from the Accreditation Council for Graduate Medical Education (ACGME) to collaborate on a 4-year \$4.8 million initiative to innovate and redesign graduate medical education in the U.S., along with some of the most prestigious academic medical centers in the country. With matching funding from the participating academic medical centers, this initiative addresses the growing need that, given medicine has significantly changed and become more complex, how care providers are trained needs to be redesigned as well.

HSyE’s contribution will be to provide systems engineering and design expertise, initially prototyping ideas at Maine Medical Center and later spreading useful results to other awardees. HSyE director James Benneyan and Professor Awatef Ergai will lead the Northeastern effort, building on pilot work in HSyE’s National Science Foundation healthcare systems engineering center, along with an accomplished team at Maine Medical. “We are very excited by this opportunity to support MMC, while our role is modest, and the impressive list of awardees”, stated Dr Benneyan, a national expert in healthcare systems engineering. “All education is a system – medical education being a particularly complex one inextricably intertwined with the system of healthcare delivery itself – and the principles and methods of complex socio-technical systems science should be equally useful here.”

ACGME is responsible for accreditation of approximately 700 medical institutions and 9,600 residency and fellowship programs across the United States, recently launching the Pursuing Excellent in Clinical Learning Environments program to promote transformative improvement in the clinical learning environments of all 700 institutions. Maine Medical is the primary tertiary academic medical center in Maine, serving over 600,000 patients annually, a teaching hospital of Tufts Medical School, and a 3-time recipient of Magnet nursing designation. The HSyE Institute focuses on improving healthcare through research, application, and education in systems engineering methods, housing 4 federally-awarded centers and 3 undergraduate through postdoctoral training programs and with core funding from the National Science Foundation, National Institutes of Health, Veterans Administration, Centers for Medicare and Medicaid, and Agency for Healthcare Research and Quality.

For further information, please contact the Healthcare Systems Engineering Institute at [hsye@coe.neu.edu](mailto:hsye@coe.neu.edu) or visit [www.hsye.org](http://www.hsye.org).

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