

## SCHOOL OF PUBLIC HEALTH RESEARCH SEMINAR SERIES

## Using Real World Data for Research Studies with Focus Towards Changing Clinical Practice

Thursday, April 11, 2019 12PM – 1PM OHSU Richard Jones Hall 4340

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Medical knowledge is increasing at an exponential rate, reshaping the health care environment with a steady stream of diagnostic and therapeutic innovations. This has led to substantial improvements in health outcomes, but the high rate of technological change is also associated with a concerning rate of medical error, inefficiency, and variations in practice patterns. Addressing these problems will require health care delivery systems characterized by continuous learning and improvement, in which science, informatics, incentives, and culture are aligned. Efforts to create such a system include: (1) catalyzing health care delivery research in clinical units; (2) adding evaluation components to quality improvement initiatives; (3) increasing use of electronic health record



system (EHR) data for research purposes; and (4) including practicing clinicians in this research agenda. I'll present three challenges facing our hospital: 1) how to reduce catheterassociated urinary tract infections in hospitalist-led inpatient units?, 2) how to choose patient for knee-replacement surgery who will benefit most in terms of their quality of life?, 3) how to increase 'appropriate' use of high-cost drug IV Tylenol? I'll illustrate how data collected for routine clinical care is utilized for research to improve clinical practice.

This lecture is co-sponsored by OCTRI BERD.



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