Making Microbiology Culture Data Usable In a Health Information Exchange: Alerting Infection Preventionists About Patients with Multi-Drug-Resistant Organisms

Marc Rosenman

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The Chancellor’s Leadership Forum Presents
**Marc Rosenman, MD**
Thursday, June 12, 2014, 2:00 – 3:00 p.m.

**About This Lecture**

Outbreaks of carbapenem-resistant gram-negative bacteria among hospitalized patients have elicited national attention and underscored the danger of healthcare-associated infections. When patients visit more than one hospital, a multi-drug-resistant organism (MDRO) may spread. Organisms spreading within hospitals is also a risk.

Dr. Rosenman is leading the effort to build a regional system that makes laboratory microbiology culture data usable for decision support and alerts hospitals when a patient with a history of MDRO is admitted. He and his team cull microbiology data from Health Level Seven version 2 (HL7v2) messages that hospitals send to a health information exchange.

In his talk on June 12th, he will discuss the development, testing and implementation of this system, as well as its early results, challenges and future opportunities.

**About Dr. Marc Rosenman**

Dr. Rosenman is an Associate Professor of Pediatrics in Children’s Health Services Research at the Indiana University School of Medicine. His work focuses on making use of multifaceted data sources in clinical epidemiology, health services research and informatics—and on candidly conveying the challenges inherent in such projects. He and his colleagues have merged and analyzed complex data from hospitals, clinics, health care payers, public health departments and the justice system.

He has served as principal investigator (PI) or co-PI on projects sponsored by CDC, AHRQ, NLM, NIH, HRSA and other organizations. He has written or co-written 60 peer-reviewed articles.