

## **J. Marc Overhage, M.D., Ph.D.**

Dr. Overhage is Associate Professor of Medicine at the Indiana University School of Medicine, Investigator at the Regenstrief Institute and President and CEO of the Indiana Health Information Exchange.

Dr. Overhage received his BA, with High Honors, in Physics from Wabash College and his PhD in Biophysics and MD from Indiana University School of Medicine. Dr. Overhage was a resident in internal medicine, a medical informatics and health services research fellow and then Chief Medical Resident at the Indiana University School of Medicine. After completing informatics fellowship training, Dr. Overhage has over 20 years of computing experience including developing one of the earliest commercial object oriented database systems and real-time data acquisition and control systems.

While he has broad interests in the use of informational interventions to modify physician behavior, development of rule-based systems to implement guidelines or protocols has been a major focus of Dr. Overhage's research for the last 15 years. Using these tools, he has completed a number of large-scale studies of implementing guidelines in the outpatient and inpatient settings that examine the impact of process measures, costs and patient outcomes.

The other major research area has been implementation of a regional health information exchange for Indiana. Working with Dr. Clement McDonald, one of the pioneers of medical informatics, he has created an electronic patient record containing data from many sources including laboratories, pharmacies, and hospitals in central Indiana. The system currently connects nearly all acute care hospitals in central Indiana and includes inpatient and outpatient encounter data, laboratory results, immunization data and other selected data. The Indiana Health Information Exchange is a not-for-profit corporation created to sustain the health information exchange.

Dr. Overhage is a Fellow of the American College of Medical Informatics and the American College of Physicians. He received the Davies Recognition Award for Excellence in Computer-Based Patient Recognition for the Regenstrief Medical Record System.