M-CERSI Science Exchange Award

Conference Title: Leveraging Big Data in Support of Outcomes Research: A Community Focus on the Potential for Medical Imaging

Principal Investigator: Eliot L. Siegel, M.D.

Workshop Date: September 12, 2013

Outcomes/Summary:
The primary goal of this conference was to bring together a diverse group of stakeholders and subject matter experts in medical imaging informatics, imaging and metadata management, outcomes-directed data mining and regulatory science to discuss the challenges associated with sophisticated data integration. Topics that were discussed:

✦ Machine Learning and VINCI
✦ FDA’s Collaboration with the Centers for Medicare & Medicaid Services
✦ FDA’s Sentinel Initiative and CERSI
✦ A Case Study of Advanced Health Care Analytics
✦ Experience Mining the World’s Most Comprehensive Health Record Dataset

Expected achievements and outcomes:
✦ Create a line of communication between FDA scientists, IT data mining experts, academic scientists and other stakeholders regarding regulatory issues in data mining in healthcare.

✦ Sharing of recent experiences in “big data” health outcomes research.

✦ Identify opportunities for collaborative projects.