

## **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.