**SMART/FHIR Training Session Agenda**

**Instructor** – Brian Heits

**Agenda**

The agenda can vary depending on the level of expertise in the audience group. Initially, training will encompass the following:

Overview of resources Cerner Millennium implementation of FHIR Supports

Core Concepts and best practices to make effective use of FHIR Services

Hands-on exercises to call FHIR Services, review items in the response and cover conformance and other FHIR resources

Overview of SMART on FHIR – open source standard for building vendor agnostic, interoperable applications

Technical walk-through of how SMART applications are launched, receive context and access FHIR data for client’s needs

Hands-on build session for attendees to build their own SMART on FHIR application from the ground up and integrate it into Cerner PowerChart

Review of Cerner’s functional capabilities in supporting a variety of security workflows

Review of working examples of code operating in a browser for orchestrating the user authorization workflow

Q&A time throughout the event

**Day 1:**

Introduction and overview of FHIR standards

Overview of resources Cerner Millennium implementation of FHIR supports

Review of core concepts and best practices to make effective use of FHIR services

Hands-on exercises to call FHIR services, review items in the response and cover conformance and other FHIR resources

**Day 2:**

Completion of FHIR resources started in day 1 if necessary

Overview of SMART on FHIR

Technical review of how SMART applications are launched, receive context and access FHIR data for client’s needs

Build session for developing a simple SMART app or starting development of a specific client SMART app

**Day 3:**

Overview of Cerner’s functional capabilities in supporting a variety of security workflows

Review of working examples of code operating in a browser for orchestrating the user authorization workflow

Hands-on exercises focused on authorization covering the access tokens, grant tokens and refresh tokens as well as edge cases such as handling expired tokes, invalid tokens and other situations

Build session time or Q&A time to support/assist with specific client SMART on FHIR application development needs