SEMOSS is a context aware, open-source analytics platform that allows users to uncover connections in data, create tailored visualizations and run custom algorithms. SEMOSS facilitates global accessibility to evidence-based decision making, business intelligence, advanced analytics allowing organizations to harness intelligence and create innovation.

MHS developed and open-sourced the SEMOSS analytics platform in 2012 in order to enable analyses of the MHS’ complex health information technology portfolio. SEMOSS is now used across the enterprise to answer a multitude of complex questions. The OTM team within the EHR Modernization PMO uses SEMOSS to collect and analyze data on legacy IT systems worth more than $2.4 Billion across the MHS. OTM supports transition planning by analyzing this data and provides recommendations on centrally-managed and Service systems as the new electronic health record, MHS GENESIS, is deployed worldwide.

Key Benefits
- Tools for requirements, budget, investment and cost-benefit analysis
- Legacy system decommission analysis
- Blend data across multiple sources, such as CSVs, databases or APIs
- Standardize data to prepare for analysis and visualization
- Create user input forms to simplify data collection
- Integrate with other machine learning languages, such as R, Python and Java

OTM Used SEMOSS to:
- Identify transition dispositions and timelines for 245 legacy systems
- Identify an additional $680 million in potential savings for legacy systems being replaced by MHS GENESIS
- Create common view of the Enterprise
- Interpret and assess the MTF and system Host/Satellite relationships

Key SEMOSS Dashboards:
- SDD Systems Cost Savings Analysis
- System Summary
- CHCS Host and Satellite Site Relationships and Disconnects
- Site Impact Report for MHS GENESIS
- Legacy System Decommissioning Report

To access SEMOSS visit: https://insights.health.mil