Personalized Itinerary Planner

AMIA 2015 Annual Symposium
November 13 - 18, 2015

To make changes to your itinerary or view the full meeting schedule, visit
https://amiaannual2015.abstractcentral.com/planner.jsp
### Friday, November 13, 2015

*You have nothing scheduled for this day*

### Saturday, November 14, 2015

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<th>Time</th>
<th>Session or Event Info</th>
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<tr>
<td>8:30 AM-4:30 PM</td>
<td>Plaza B (Hilton San Francisco Union Square), <strong>T03: An introduction to Natural Language Processing Methods in Clinical Research</strong>, Tutorial</td>
</tr>
<tr>
<td>8:30-4:30 PM</td>
<td><strong>An introduction to Natural Language Processing methods in clinical research</strong> S.L. DuVall; P.R. Alba; O.V. Patterson</td>
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<tr>
<td>8:30 AM-4:30 PM</td>
<td>Continental 8/9 (Hilton San Francisco Union Square), <strong>WG03: Tools and Resources Demonstration and 'Connectathon' (Sponsored by Natural Language Processing Working Group)</strong>, Working Group Pre-symposium</td>
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<tr>
<td>8:30-4:30 PM</td>
<td><strong>Natural Language Processing Working Group Pre-Symposium: Tools and Resources Demonstration and 'Connectathon'</strong> S. Meystre; H. Liu; K.B. Cohen; J.C. Denny; P.J. Haug; J.D. Patrick; G. Savova; O. Uzuner; H. Xu</td>
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### Sunday, November 15, 2015

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<tr>
<td>8:30 AM-12:00 PM</td>
<td>Continental 3 (Hilton San Francisco Union Square), <strong>T08: Building Successful Natural Language Processing Applications in Clinical Research and Healthcare Operations</strong>, Tutorial</td>
</tr>
<tr>
<td>8:30-12:00 PM</td>
<td><strong>Building Successful Natural Language Processing Applications in Clinical Research and Healthcare Operations</strong> Y. Huang; H. Xu; J.C. Denny</td>
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<tr>
<td>3:30 PM-5:00 PM</td>
<td>Plaza A (Hilton San Francisco Union Square), <strong>S10: Systems Demonstrations - Advanced NLP Solutions</strong>, Systems Demonstrations, NLP, Information Extraction and Retrieval</td>
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<tr>
<td>3:30-4:15 PM</td>
<td><strong>RapTAT: A Tool for Assisted Annotation and Reviewer Training via Online Machine Learning</strong> G.T. Gobbel; R.M. Reeves; B.R. South; W. Chapman; J. Jarman; S. Lay; M.E. Matheny</td>
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<td>8:30 AM-10:00 AM</td>
<td><strong>Yosemite C (Hilton San Francisco Union Square), S14: Papers - NLP for Clinical Text</strong>, Papers, NLP, Information Extraction and Retrieval</td>
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<tr>
<td>8:30-8:52 AM</td>
<td>Recognizing Disjoint Clinical Concepts in Clinical Text Using Machine Learning-based Methods B. Tang; Q. Chen; X. Wang; Y. Wu; Y. Zhang; J. Wang; H. Xu</td>
</tr>
<tr>
<td>8:52-9:14 AM</td>
<td>Interpretable Probabilistic Latent Variable Models for Automatic Annotation of Clinical Text A. Kotov; M. Hasan; A. Carcone; M. Dong; S. Naar-King; K. Brogan Hartlieb</td>
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<tr>
<td>9:14-9:36 AM</td>
<td>Towards a Generalizable Time Expression Model for Temporal Reasoning in Clinical Notes S. Velupillai; D. Mowery; s.E. Abdelrahman; L. Christensen; W. Chapman</td>
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<tr>
<td>9:36-9:58 AM</td>
<td>A Study of Concept Extraction Across Different Types of Clinical Notes Y. Kim; E. Riloff; J.F. Hurdle</td>
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<tr>
<td>8:30 AM-10:00 AM</td>
<td><strong>Yosemite A/B (Hilton San Francisco Union Square), S22: Papers - Clinical Data Mining</strong>, Papers, Data Mining and Big Data Analytics</td>
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<tr>
<td>8:30-8:52 AM</td>
<td>Handling Temporality of Clinical Events for Drug Safety Surveillance J. Zhao; A. Henriksson; M. Kvist; L. Asker; H. Boström</td>
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<td>8:52-9:14 AM</td>
<td>Casting a Wider Net: Data Driven Discovery of Proxies for Target Diagnoses D. Ramljak; A. Davey; A. Uversky; S. Roychoudhury; Z. Obadovic</td>
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<tr>
<td>9:14-9:36 AM</td>
<td>Machine Learning Approaches for Detecting Diabetic Retinopathy from Clinical and Public Health Records O. Ogunyemi; D. Kermah</td>
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<td>9:36-9:58 AM</td>
<td>An Associative Memory Model for Integration of Fragmented Research Data and Identification of Treatment Correlations in Breast Cancer Care A.G. Banerjee; M. Khan; J.H. Higgins; A. Giani; A. Das</td>
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<td>10:30 AM-12:00 PM</td>
<td><strong>Continental 5 (Hilton San Francisco Union Square), S24: Didactic Panel - Natural Language Processing for Phenotype Extraction: Challenges in Extraction and Representation</strong>, Didactic Panel, NLP, Information Extraction and Retrieval</td>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>Natural Language Processing for Phenotype Extraction: Challenges in Extraction and Representation H. Hochheiser; G. Savova; R. Jacobson; J.C. Denny; N.L. Washington</td>
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<tr>
<td>10:30-10:52 AM</td>
<td>Identifying Novel Adverse Drug Events from Health Social Media Using Distant Supervision</td>
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<td>10:52-11:14 AM</td>
<td>Identifying Abnormal Anatomy on Temporal Bone Computed Tomography Reports Using Readily Available Natural Language Processing Software</td>
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<td>11:14-11:36 AM</td>
<td>Identification of Venous Thromboembolism from Electronic Medical Records with Information Extraction</td>
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<td>11:36-11:58 AM</td>
<td>Improving Radiology Procedure Identification for Inferior Vena Cava (IVC) Filters using EHR Text</td>
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<tr>
<td>1:45-2:07 PM</td>
<td>Real Time Active Learning Study for Clinical Named Entity Recognition</td>
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<td>2:07-2:29 PM</td>
<td>Ill-formed Sentence Identification And Entity Extraction In Clinical Notes</td>
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<td>2:29-2:51 PM</td>
<td>Robust Sentence Segmentation for Clinical Text</td>
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<td>2:51-3:13 PM</td>
<td>Clinical Language Annotation, Modeling, and Processing Toolkit (CLAMP) – a user-centric NLP system</td>
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<tr>
<td>5:00 PM-6:30 PM</td>
<td>Design, Development, and Initial Application of a Systematic, Semi-Automated Predictive Analytics Framework for Health Care</td>
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<td>Knowledge Base Acquisition For Rare Concepts Using Manual Bootstrapping</td>
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<td>Increase in Prescriber Error Rates Following Implementation of Computerized Physician Order Entry</td>
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<td>5:00 PM-6:30 PM</td>
<td>Decision Analysis for Oropharyngeal Cancer in Radiotherapy</td>
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<td>5:00 PM-6:30 PM</td>
<td>Enhancing Use of the Problem List in the Inpatient Setting</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Smartphone-based Gait Assessment System for the Elderly</td>
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<td>Evaluation of a Self-Triage Decision Aid System in Pregnancy-Induced Hypertension and Diabetes Mellitus: Preliminary Results of a Randomized Control Trial</td>
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<td>5:00 PM-6:30 PM</td>
<td>Using indirect and direct methods enhances online health community research.</td>
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<td>Data Error Transparency in Health Information Exchange</td>
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<td>Integrating Conceptual Models to Inform the Design of a Family Health Information Management System for Hispanic Dementia Caregivers</td>
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<td>Predicting Future Anxiety and Depression Diagnoses among College Students Utilizing Electronic Health Data</td>
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<td>Visualization of Clinical Decision Support Failures</td>
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<td>Social Network Analysis: Data Collection Challenges and Solutions</td>
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<td>Demographic Factors Associated with Differences between New York Inpatient Medicare Charges and Payments for (DRG 065) Stroke</td>
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<td>5:00 PM-6:30 PM</td>
<td>Adoption of Electronic Health Records in U.S. nursing homes</td>
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<td>5:00 PM-6:30 PM</td>
<td>Development and implementation of a Floor Admit Reevaluation Alert (FARA) in a large academic emergency department</td>
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<td>Reducing Healthcare Costs through Medical Recommendations</td>
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<td>Developing Intermediary Medication Phenotypes via Metabolomics Biotechnology Using an Electronic Health Record-Linked Biobank</td>
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<td>5:00 PM-6:30 PM</td>
<td>The Internet: A Source of Near Real Time Infectious Disease Information</td>
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<td>A Literature Review of Medication-Related Clinical Decision Support</td>
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<td>Cohort Selection Tool for Efficient Exploration of Patient Data</td>
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<td>Automated searches for personalized evidence to prevent hospital acquired infection</td>
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<td>A graph data model facilitates analysis of collaboration in an emergency department</td>
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<td>A Comparison of Clinical Decision Support Interventions from Commercial and Internally Developed Electronic Health Records</td>
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<td>Predicting Clinical Laboratory Turnaround Time</td>
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<td>Identifying High Risk of Hospitalization Among Long-Term Care Patients Using Conditional Inference Tree</td>
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<td>Appropriateness of Overrides of Age-specific Medication Alerts for Elderly Outpatients</td>
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<td>5:00 PM-6:30 PM</td>
<td>Design guidelines for effective data visualization of sensor monitoring data</td>
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<td>Bring Your Own Device: From PDA To Smart Mobile Devices</td>
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<td>Design and Evaluation of an Infection-Risk Monitoring Application</td>
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<td>Inexpensive Radio Communications System for Wheelchair Users</td>
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<td>Feasibility of Converting the Medicare Synthetic Public Use Data Into a Standardized Data Model for Clinical Research Informatics</td>
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<td>Predicting the Factors of Improvement of Health Status of Home Care Patients: A Holistic Data Mining Approach</td>
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<td>Patient Centered Medical Home (PCMH) Team Huddle Tool</td>
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<td>Using social media data to analyze patient satisfaction of health care facilities</td>
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<td>Initial Approach to Creating an Interactive User Interface Design Tool to Enhance User-Centered Design</td>
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<td>User Adherence to a Web-Based Application for Youth with mild TBI</td>
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<td>Developing a Nurse Driven Telemetry Protocol Using a Sociotechnical Model</td>
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<td>The Evolution of a Clinical Decision Support Request Form</td>
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<td>Implementing automated delivery of evidence-based medication safety information to the point of care</td>
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<td>A Baseline Assessment of the Dispensary Workflow in the Birmingham Free Clinic: A Time-Motion Study of Pharmacist Tasks</td>
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<td>Determining the Factors Relevant to Patient Handoff by Role and Patient Population</td>
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<td>Implementation of a Clinical Decision Support Tool to Improve Guideline Compliance in the Prevention of Early-Onset Group B Streptococcus Infections in Neonates</td>
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<td>Contextual Computing: Tracking Healthcare Providers in the Emergency Department via Bluetooth Beacons</td>
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<td>Evaluating Mobile Information Use in Undergraduate Nursing Programs: Moving from Access to Interpretation and Application?</td>
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<td>Dashboard Visualizations of Emergency Department Throughput Metrics</td>
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<td>Evaluating the Effect of a Nursing Flowsheet Merge on Clinical Nursing Documentation Efficiency in a Research Hospital</td>
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<td>Development and Validation of a Measure for EHR Related Unintended Consequences with Direct Care Registered Nurses</td>
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<td>Streamlining Access to Cancer Data - An Institutional Experience</td>
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<td>Automating Personal Health Record Mammography Messages to Improve Mammography Screening Rates</td>
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<td>iDECIDE Smartphone App for Personalized Messages for Nutrition and Fitness Goals</td>
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<td>Identifying Children with Technology Dependence through Use of Administrative Data</td>
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<td>Using a Socio-Technical Framework to Understand Technology Use Among Health Care Innovation Award Community Resource Planning Awardees</td>
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<td>5:00 PM-6:30 PM</td>
<td>Before-after implementation of the sniffer for the detection of failure to recognize and treat severe sepsis</td>
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<td>Conducting health insurance surveillance with electronic health record</td>
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<td>Identifying ECG Features in Congenital Heart Disease Using Variants of Dynamic Time Warping</td>
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<td>‘Smart Snack Box’ System for Recording Snacking Behavior</td>
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<td>5:00 PM-6:30 PM</td>
<td>Displaying Price Information Lowers Cost and Quantity of Medical Tests: A Systematic Review of the Impact of Price Transparency</td>
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<td>5:00 PM-6:30 PM</td>
<td>Stakeholder Perspectives on Policy Implications Post the Conclusion of the State HIE Program</td>
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| 5:00 PM-6:30 PM | Migration of a Computerized Anticoagulation Clinic to a Commercially Developed EHR  
P. Hu; M. Hedrick; A. Ramsey; C. Radek; K. Huffman; A. Miklius; A. Wilcox        |
| 5:00 PM-6:30 PM | ArticlesAboutMe.org: Disseminating Clinical Trials Results to Patients          
V. Huser; A. Yaman; C. Weng; J.J. Cimino                                           |
| 5:00 PM-6:30 PM | Examining Cancer Case Reporting Processes and Timeliness: Preliminary Results  
A. Jabour; B.E. Dixon; J.F. Jones; D. Haggstrom                                   |
| 5:00 PM-6:30 PM | Representation of Clinical Practice Guideline Data Elements Using the Health Level Seven Fast Healthcare Interoperability Resources (FHIR) Standard as a Proposed Data Formalism for the Arden Syntax   
R.A. Jenders                                                                    |
| 5:00 PM-6:30 PM | Harmonization of Quality Data Model with HL7 FHIR to Support EHR-driven Phenotype Authoring and Execution: A Pilot Study  
G. Jiang; H.R. Solbrig; R.C. Kiefer; L. Rasmussen; H. Mo; J.A. Pacheco; E. Montague; J. Xu; P. Speltz; W.K. Thompson; J.C. Denny; C.G. Chute; J. Pathak |
| 5:00 PM-6:30 PM | A Case Study on the Effectiveness of an In-house Physician Rating Tool in Outpatient Clinics  
R. Liu; J. Jiang; N. Goonawardene; S.S. Tan                                       |
| 5:00 PM-6:30 PM | Selection of a Database Engine for the National Master Patient Index of Malawi  
C. Kachaje; B. Mhango; M. Bwanali; S.L. Mumba; J.U. Espino; G.P. Douglas       |
| 5:00 PM-6:30 PM | Implementing an EMR-based “No Opiate” Policy In The Emergency Department  
Z.P. Kahler; P. Musey; J. Finnell; A. Johnson; C. Saupp; C. Strachan; C. Shufflebarger |
| 5:00 PM-6:30 PM | Question Types in Online Health Communities  
S. Kanthawala; C. VanDam; B. Given; J. Chai; A. Vermeesch; M. Huebner; J. Crowley; J. Huh |
| 5:00 PM-6:30 PM | OpenMRS and FHIR: The Promise of a Domain Independent API for serving Healthcare Needs Across Underserved Settings   
S.N. Kasthurirathne; H. Kumara; B. Mamlin; P.G. Biondich                        |
| 5:00 PM-6:30 PM | An Easy-to-Use Clinical Text De-identification Tool for Clinical Scientists: NLM Scrubber  
M. Kayaalp; A. Browne; Z. Dodd; P. Sagan; C.J. McDonald                      |
| 5:00 PM-6:30 PM | Understanding the patient through visualization to improve provider-patient communication in hospitals: Know your patient to personalize your communication  
M. Khelifi; L. Kendall; S.R. Mishra; B. Aaronson; A. Pollack; A. Miller; W. Pratt |

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<td>Improving Detection of Reasons Not to Take a Medication by Leveraging Medication Prescription Status</td>
<td>Y. Kim; J.H. Garvin; J. Heavirland; S. Meystre</td>
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<td>5:00 PM-6:30 PM</td>
<td>The Scalable Collaborative Infrastructure for a Learning Health System</td>
<td>J.G. Klann; M. Natter; D. MacFadden; S.R. Weiler; K. Mandl; S.N. Murphy</td>
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<td>Interactive Voice Response Technology: Promises and Pitfalls in Facilitating Patient-Reported Monitoring for Adverse Drug Reactions</td>
<td>E.V. Klinger; A. Salazar; J. Medoff; M.G. Amato; P.C. Dykes; J. Haas; D.W. Bates; G. Schiff</td>
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<td>BigMouth: Development of a Scalable Infrastructure to Support Multi Institutional Data Sharing for Dentistry</td>
<td>K. Kookal; D. Tran; R.J. Applegate; H. Spallek; E. Kalenderian; J. White; E.V. Bernstam; M.F. Walji</td>
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<td>Clostridium Difficile Repeat Ordering Difficult to Control without CDS</td>
<td>V. Kothapeta; A. Caligiuri; K. Bock; M. Oppenheim; E. Behiri</td>
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<td>Visual Exploration of Temporal Data in Electronic Medical Records</td>
<td>J. Krause; N. Razavian; E. Bertini; D. Sontag</td>
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<td>Errors with Manual Phenotype Validation: Case Study and Implications</td>
<td>P. Kukhareva; C.J. Staes; T.J. Tippetts; P.B. Warner; D.E. Shields; H. Mueller; K. Noonan; K. Kawamoto</td>
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<td>Archetype Based Nationwide Electronic Health Record Development in Japan</td>
<td>N. Kume; S. Kobayashi; K. Araki; S. Inoue; H. Yoshihara</td>
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<td>5:00 PM-6:30 PM</td>
<td>Integrating Usability Engineering into Undergraduate and Graduate Health Informatics Curricula</td>
<td>A.W. Kushniruk; E.M. Borycki</td>
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<td>5:00 PM-6:30 PM</td>
<td>Evaluation of Simulated Computerized Provider Order Entry Rules Toward Evidence Based Blood Utilization</td>
<td>J.P. Lavoie; W. Miller; M. Kim</td>
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<td>5:00 PM-6:30 PM</td>
<td>The Master Data Element Visualization: A Consolidated View of the EHR Data at Intermountain Healthcare</td>
<td>J. Lee; F. Sakaguchi; J. Mundt; B.B. Dodds; N. Hobbs; K. Holzhauser; S.M. Huff</td>
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<td>Quantifying the Complexity of Discharge Planning in the Inpatient Cardiology Unit</td>
<td>Y. Lee; C.M. Benacka; M. Carson; G. Shier Kricke; P. Kansal; N. Soulakis</td>
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<td>5:00 PM-6:30 PM</td>
<td>Design of a Knowledge Exchange for Community Health Workers</td>
<td>H. Lehmann; M.C. Gibbons; R. Singlerman; S. King; J. Warren; J. May</td>
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<td>5:00 PM-6:30 PM</td>
<td>Drug-Disease Associations in Guidelines, Drug Labels, and Practice</td>
<td>T.I. Leung; M. Dumontier</td>
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<td>A Deep Learning Framework for Improving Medical Information Retrieval</td>
<td>D. Li; S. Mehrabi; Y. Yu; H. Liu</td>
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<td>5:00 PM-6:30 PM</td>
<td>Designing iSee, the intelligent Search expansion tool</td>
<td>K. Lin; D. Friedman; H. Kim</td>
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<td>5:00 PM-6:30 PM</td>
<td>An analysis of PubMed4Hh App User Distribution</td>
<td>F. Liu; P. Fontelo</td>
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<td>Developing Clinical Decision Support for Patient Self-Management: A Prototype for Symptom Management in Cancer Patients</td>
<td>D.F. Lobach; J. Abrahm; D. Berry; M.S. Rabin; I. Braun; M. Nayak; M.E. Cooley</td>
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<td>5:00 PM-6:30 PM</td>
<td>Mapping workflows in a surgical clinic to guide implementation of a patient-centered postoperative mHealth wound assessment system</td>
<td>R.J. Lordon; H.L. Evans; A.L. Hartzler; C. Armstrong; S. Whitehead; P. Sanger; W.B. Lober</td>
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<td>5:00 PM-6:30 PM</td>
<td>Designing a Plan Do Study Act Framework to Promote Proper Utilization of Early Detection Technology in the Acute Care Setting</td>
<td>G. Lowenthal; P.C. Dykes; S.R. Lipsitz; C.S. Yoon; R. Rozenblum; P.G. An; S. Salvucci; C. Shaughnessy; D.W. Bates</td>
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<td>5:00 PM-6:30 PM</td>
<td>Generating the MEDLINE N-Gram Set</td>
<td>C.J. Lu; D.L. Tormey; L. McCreedy; A.C. Browne</td>
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<td>5:00 PM-6:30 PM</td>
<td>Bridging the Representation Gap of Medical Image and Clinical Note through Semantic Association Mining</td>
<td>J. Luo; T.B. Patrick</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Framework for Incorporating Changes to a Reference Terminology on a Mapped Enterprise Terminology Subset</td>
<td>S. Madani; T. Rosenbloom</td>
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<td>5:00 PM-6:30 PM</td>
<td>Quantitative Evaluation of Dysarthria and Development of Vowel Sound Voice Training System</td>
<td>H. Maeda; N. Arisaka; W. Hata; N. Mamorita; I. Ishizaka; K. Yamashita; H. Tsuruta</td>
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<td>5:00 PM-6:30 PM</td>
<td>User-Centered Design of an Application to Aid in the Safe Return to Work of Injured Farm Workers</td>
<td>A. Mahnke; L. Verhagen; B. Weichelt; I.A. Reyes; W. Ray; M. Keifer</td>
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<td>5:00 PM-6:30 PM</td>
<td>Responders and Nonresponders: Nurse Practitioner and Physical Therapist Personal Perceptions of Activity Monitors for Patient Use</td>
<td>P.J. Mancuso; S. Myneni</td>
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<td>5:00 PM-6:30 PM</td>
<td>Optic disc and macula detection in fundus images by means of template matching</td>
<td>L. Rodríguez Quiñones; M. Martinez-Castellanos; M. Martinez-Perez; S. Salinas-Longoria; T. Garduno-Alvarado</td>
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<td>5:00 PM-6:30 PM</td>
<td>High Level Architecture and Evaluation of Patient Linkages for READY - An Electronic Measurement Tool for Rheumatoid Arthritis</td>
<td>P. Mathur; L.A. Southern; A. Bharat; S. Wang; C. Heckler; O. Lele; P.J. Embi; J.R. Curtis</td>
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<td>5:00 PM-6:30 PM</td>
<td>Clinician Evaluation of Clinical Decision Support Alert and Response Appropriateness</td>
<td>A.B. McCoy; E.J. Thomas; M. Krousel-Wood; D.F. Sittig</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Taxonomic Analysis of Programming Errors in Electronic Health Records (EHRs) which Lead to Clinical Decision Support Malfunctions</td>
<td>D.S. McEvoy; S.T. Hussain; T. Hickman; D.F. Sittig; A. Wright</td>
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<td>5:00 PM-6:30 PM</td>
<td>Visualization of Laboratory, Vital, Precaution and Patient Status Data to Optimize Time on Task and Use Related Hazards</td>
<td>R.A. McKelvy; N.C. Gonzalez; K.L. Fleming; W.B. Webb; R.L. Shapiro</td>
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<td>5:00 PM-6:30 PM</td>
<td>Exploring Gaps of Family History Documentation in EHR for Precision Medicine - A Case Study of Familial Hypercholesterolemia Ascertainment</td>
<td>S. Mehrabi; M.S. Safarova; I.J. Kullo; H. Liu</td>
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<td>SCILHS Data Mart Creation Plugin</td>
<td>M. Mendis; J. Donahoe; J.G. Klann; V. Raghavan; L.C. Phillips; A. Turchin; S.N. Murphy</td>
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<td>5:00 PM-6:30 PM</td>
<td>Assessing and Simulating Scheduling Processes in Community Health Centers</td>
<td>I. Mohammadi; A. Turkcan; T. Toscos; A. Miller; K. Kunjan; B.N. Doebbeling</td>
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<td>5:00 PM-6:30 PM</td>
<td>Using Natural Language Processing to Facilitate Medical Record Abstraction in Epidemiological Studies</td>
<td>C.R. Moore; K. Shaffer; A. Kucharska-Newton; S.W. Haas; G. Heiss</td>
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<td>Implementing Customizable Asthma Action Plans into an Electronic Medical Record</td>
<td>S.J. Morgan; H.Z. Ramelson</td>
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<td>5:00 PM-6:30 PM</td>
<td>RECRUIT: Roadmap to Enhance Clinical trial Recruitment Using Information Technology</td>
<td>T. Motiwala; C. Shivade; S. Raje; A.M. Lai; P. Payne</td>
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<td>5:00 PM-6:30 PM</td>
<td>Variation in EHR Implementations and the Impact on Safety of Test Result Follow-up</td>
<td>D.R. Murphy; M.W. Smith; D.F. Sittig; E. Russo; H. Singh</td>
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<td>5:00 PM-6:30 PM</td>
<td>Network Infrastructure for Large Scale Regional Medical Information Network</td>
<td>N. Nakamura; M. Nakayama; T. Suganuma; N. Shiratori; T. Tominaga</td>
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<td>5:00 PM-6:30 PM</td>
<td>Automated Approach to Extract Cardiovascular Phenotypes from Echocardiography Reports</td>
<td>C. Nath; M. Albaghdadi; S.R. Jonnalagadda</td>
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<td>Early Detection of Heart Failure using Data Driven Modeling Approaches on Electronic Health Records: How far can one go without Domain Knowledge?</td>
<td>K. Ng; Y. Wang; J. Hu; W. Stewart; S.R. Steinhubl; C. deFilippi</td>
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<td>Multi-Agent (Team) Microworld Environments for Healthcare</td>
<td>V. Nguyen; A. Franklin</td>
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<td>5:00 PM-6:30 PM</td>
<td>The TISS Standard for electronic exchange of information in the private health insurance sector in Brazil</td>
<td>S.P. Oliveira; J. Riani Costa</td>
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<td>BEST PRACTICES AND DESIGN EXPERIENCES IN HEALTH INFORMATION TECHNOLOGY (HIT) SYSTEMS: A PRIMER</td>
<td>G. Opoku-Boateng</td>
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<td>Nurses' Use of Electronic Health Records to Document Symptoms in Inpatient Settings: Preliminary Systematic Review Results</td>
<td>M. Ozkaynak; B. Reeder; L. Hoffecker; M.B. Makic; K. Sousa</td>
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<td>Privacy Preserving Sequential Pattern Mining Across Multiple Medical Sites</td>
<td>D. Pal; T. Chen; J. Thomas</td>
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<td>5:00 PM-6:30 PM</td>
<td>Perceptions of Health Information Technology Risks by Hospital Physicians</td>
<td>S. Palojoki; L. Lehtonen; K. Saranto</td>
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<td>Identifying Health Consumer's eHealth Literacy to Decrease Disparities in Accessing eHealth Information</td>
<td>H. Park; E. Lee</td>
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<td>Building custom lexicon for a large number of related concepts using templates</td>
<td>O.V. Patterson; M. Freiberg; S.L. DuVall</td>
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<td>Surveying Problem List Perceptions and Use in the Electronic Health Record</td>
<td>D. Peterson; T. Burdick; J. Cohen; I.N. Sarkar; J. Lin; D. Plante; E.S. Chen</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Simulation Framework for Longitudinal Electronic Health Records Data</td>
<td>M. Phelan; B. Goldstein</td>
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<td>5:00 PM-6:30 PM</td>
<td>Medications and Events Most Commonly Discussed in Facebook and Twitter</td>
<td>L. Anderson; H.G. Bell; G. Powell; L.A. Schifano; H.V. Le; H. Rodriguez</td>
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<td>Text Mining of Patient Demographics and Diagnoses from Psychiatric Assessments</td>
<td>E. Klosterman; R. Prasad</td>
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<td>5:00 PM-6:30 PM</td>
<td>Comparison of Knee Replacement Bundled Payment Pricing Variances Between Medicare, Medicaid, and Commercial Payers</td>
<td>T.R. Pressler; T. Gurgiolo; S. Orme; R. Kershner; J. Mathieu</td>
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<td>Blood Flow Model for Improved Decision Support</td>
<td>C. Puelz; B. Riviere; C. Rusin</td>
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<td>Fine Phenotyping in Lung Cancer Using Radiomics and Clinical Data</td>
<td>L.E. Selva; S. Pyarajan</td>
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<td>Predictors of Medical Records Violation Punishments Filed with the</td>
<td>M. Rais; C.W. Johnson; E. Kavoos</td>
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<td>Texas Medical Board (TMB) Before and After the HITECH Act</td>
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<td>Automated Citation Retrieval System for Clinical Knowledge Management</td>
<td>K. Raja; A.J. Sauer; M. Klerer; S.R. Jonnalagadda</td>
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<td>Problem list problems: A look into data integrity</td>
<td>G.H. Ramirez; H. Kim; R. El-Kareh</td>
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<td>Automating Maintenance of Care Team Relationships from Electronic</td>
<td>P. RanadeKharkar; G.E. Gurr; D.K. Mann; S.N. Thornton</td>
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<td>Health Administrative Data to Decrease Variability of Care</td>
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<td>Coordination using the Health Information Exchange Infrastructure</td>
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<td>Social Media use for Drug Repurposing: Understanding the consumer</td>
<td>M. Rastegar-Mojarad; H. Liu; P. Nambisan</td>
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<td>Gaussian Processes for interpreting Multiple Prostate Specific</td>
<td>N. Razavian; S. Blecker; D. Sontag</td>
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<td>Antigen measurements for Prostate Cancer Prediction</td>
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<td>Novel Template identification from VA Text Integration Utility Notes</td>
<td>A.M. Redd; G. Divita; A.V. Gundiapalli; L.T. Tran; M. Samore</td>
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<td>Adapting a Mobility Monitoring Protocol for Sensor Studies with</td>
<td>B. Reeder; A.A. Richard; J. Falvey; R.J. Paxton; J. Stevens-Lapsley</td>
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<td>Functionally Vulnerable Older Adults</td>
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<td>Identifying Patterns Indicative of Copying/Pasting Behavior in Patient</td>
<td>T.L. Reynolds; V. Vydiswaran; Y. Wu; Q. Mei; D.A. Hanauer; K. Zheng</td>
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<td>Visualizing High Dimensional Clinical and Tumor Genotyping Data</td>
<td>M. Rioth; J.L. Warner</td>
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<td>The CDS Collaborative: Goals, Deliverables, and Future Directions</td>
<td>S. Rodriguez-Loya; E. Fry; . Sefer; P.B. Warner; C. Nanjo; J. Goodnough; D.E. Shields; . Elliott; E. Aliverti; K. Kawamoto</td>
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<td>Use of Diagnosis Related Groups to Predict All-Cause Pediatric</td>
<td>V.M. Ruiz Herrera; A.J. Draper; Y. Ye; A.H. Urbach; R. Tsui</td>
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<td>Hospital Readmission Within 30 days</td>
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<td>An Exploratory Analysis of Inpatient Satisfaction and Usage Pattern</td>
<td>B. Ryu; S. Kim; K. Lee; H. Hwang; S. Yoo</td>
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<td>of Personalized Bedside Station</td>
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<td>A Multi-Dimensional Consumer-Oriented Approach to Evaluate</td>
<td>M. Salimi; A. Stanley; V. Nguyen; S. Myneni</td>
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<td>MAC Annotator: An interactive tool for translating medication appropriateness criteria into structured form</td>
<td>H. Salmasian; C. Friedman</td>
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<td>5:00 PM-6:30 PM</td>
<td>Predicting Acute Kidney Injury in Critically Ill Children Using Electronic Health Record Data – A Comparison of Four Statistical Learning Models</td>
<td>L.N. Sanchez-Pinto; R.G. Khemani</td>
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<td>Automating risk score calculations and care recommendations by an EMR agnostic solution and potential time saving for providers</td>
<td>M.R. Scheitel; H. Liu; J.L. Shellum; R. Hankey; S.G. Peters; R. Chaudhry</td>
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<td>Clinical Relevance of the Doctor's Dilemma Question Set</td>
<td>D.R. Schlegel; S. Kaushik; P.L. Elkin</td>
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<td>Computerized Provider Order Entry Rates and Length of Stay Are Inversely Correlated</td>
<td>R. Schreiber</td>
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<td>Evaluation of Perioperative Medication Errors and Adverse Drug Events</td>
<td>K.C. Nanji; S.D. Shaikh; A. Patel; D. Seger; D.W. Bates</td>
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<td>Increasing Size of a Health Information Exchange Allows More Accurate Measurement of Early ED Returns</td>
<td>E. Kim; G.T. Loo; T. Lowry; B.D. Shy; U. Hwang; N. Genes; C.F. Clesca; L. Richardson; J.S. Shapiro</td>
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<td>Registries in Accountable Care: Essential Data Management in New Models of Care</td>
<td>J.W. Sharp</td>
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<td>MedBus: A service-oriented architecture for enabling the research data economy</td>
<td>A. Shee; J. Estill; J.S. Brussolo</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Continuous Markov Model Approach Using Individual Patient Data to Estimate Mean Sojourn Time of Lung Cancer</td>
<td>S. Shen; S.X. Han; P. Petousis; F. Meng; W. Hsu; A.A. Bui</td>
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<td>Performance Comparison of Running Clinical Rules in Drools and Plain Java Implementation</td>
<td>J. Shi; E. Smith; T. Van Gilder</td>
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<td>5:00 PM-6:30 PM</td>
<td>An Enterprise Clinical Data Pipeline for a Cancer Center</td>
<td>E. Silgard; T. Galuhn; K. Egan; A. Rauch; P. Fearn</td>
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<td>5:00 PM-6:30 PM</td>
<td>A New, Touch-screen Sensitive Display for Management of Diuretic Therapy of Heart Failure Patients in Critical Care Setting</td>
<td>J. Sklenar; J. Parikh; J.O. Mudd</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Novel Anatomical Semantic Ontology for Identification of Anatomically Proximate CTs Using LOINC Codes</td>
<td>B.H. Slovis; T. Lowry; B. Delman; A.O. Beitia; G. Kuperman; C. DiMaggio; J.S. Shapiro</td>
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<td>A Platform for Generating and Validating Breast Risk Models from Clinical Data: Towards Patient-Centered Risk Stratified Screening</td>
<td>N.F. Smedley; N. Chau; A. Petruse; A.A. Bui; A. Naeim; W. Hsu</td>
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<td>Prediction of Colorectal Surgical Site Infections Using Risk Factors</td>
<td>S. Sohn; M. Rastegar-Mojarrad; J.M. Naessens; E.B. Habermann; D.W. Larson; H. Liu</td>
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<td>Annotating ADLs and IADLs in Veterans Affairs Clinical Documents</td>
<td>B.R. South; D. Mowery; L. Christensen; A.V. Gundlapalli; M. Tharp; M. Vali; M.E. Carter; M. Conway; S. Keyhani; W. Chapman</td>
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<td>Home-care Scheduling, Supervision and Security (HC-SSS): A status report</td>
<td>M. Botsivaly; V. Pierros; M. Marinis; A. Tzavaras; B.P. Spyropoulos</td>
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<td>Using the Consolidated Framework for Implementation Research (CFIR) to Evaluate EHR Population Health Management Tools</td>
<td>C.L. Stephan; L.L. Popejoy; D.R. Mehr; E. Rahmani; K. Wilkinson; E. Simoes</td>
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<td>Matrix Completion Methods and Imputation for EMR-Based Prediction.</td>
<td>E.J. Strandberg; M. Bayati</td>
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<td>Clinical Efficacy of Virtual Reality Rehabilitation Intervention for Patients with Low-back Pain: A Randomized Controlled Trial</td>
<td>W. Su; S. Yeh; S. Lee; H. Huang</td>
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<td>Personal Health Information Management Strategies: Experiences of Patients in the US and China</td>
<td>S. Sun; N.J. Belkin</td>
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<td>5:00 PM-6:30 PM</td>
<td>Understanding Why Providers Override Computerized Medication Alerts in the Inpatient and Outpatient Setting</td>
<td>M. Swerdloff; D. Seger; M.G. Amato; N. Maniam; O. Dalleur; J.M. Fiskio; Q.L. Her; S.P. Slight; P.E. Beeler; T. Egual; P.C. Dykes; D.W. Bates</td>
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<td>Lost in the Fog: Information Needs in the Care of Patients with Delirium</td>
<td>T. Taft; S.D. Nelson; S. Slager; C. Weir</td>
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<td>Mapping APACHE IV &quot;Reason for Intensive Care Admission&quot; Classification to SNOWMED CT</td>
<td>C. Thongprayoon; A.K. Barwise; A.M. Harrison; B.W. Pickering; V. Herasevich</td>
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<td>A SURVEY ON E-PRESCRIBING: AWARENESS, SATISFACTION, BENEFITS AND BARRIERS IN FLORIDA</td>
<td>P. Esmaeil Zadeh; M.C. Tremblay; G.J. Deckard</td>
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<td>5:00 PM-6:30 PM</td>
<td>Smart Coach: A Problem-Solving Mobile App to Support Weight Loss Management</td>
<td>B. Tulu; E. Agu; S. Lemon; J. Oleski; M. Evans; S. Pagoto</td>
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<td>Researcher Needs for a Patient-Centered Outcomes Research (PCOR) Data Infrastructure</td>
<td>P. Ubri; P. Dullabh; T. Alexander; A. Rein; E. Holve; A. Schachter</td>
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<td>Development of a concept-based template report editor for Radiological Information System</td>
<td>C. Valencia; A. Arbeláez; S. Velez; H. Chvatal; A.F. Zapata; L. Tamayo; A.C. Londoño; J.F. Florez-Arango</td>
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<td>Developing an Enhanced Electronic Referral Management System</td>
<td>A. von Taube; P.M. Neri; D. Kiernan; I. Natanel; H.Z. Ramelson</td>
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<td>Exploring Healthcare Mobility in the US to Improve Quality of Care: Preliminary Results</td>
<td>K. Wang; C. Carroll; B. Fenton; S.j. Fodeh; J. Erdos; M. Nunez-Smith; A.C. Justice; C. Brandt</td>
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<td>Integrating Analytics and Business Intelligence (BI) into a Health Informatics Curriculum: Pros, Cons and Opportunities</td>
<td>V. Wangia-Anderson</td>
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<td>Engaging Patients &amp; Families in Contributing Patient-Reported Outcomes to a Pediatric Disease Registry for Comparative Effectiveness Research</td>
<td>E.R. Weitzman; P.K. Salimian; K.L. Olson; K. Mandl; M. Natter</td>
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<td>5:00 PM-6:30 PM</td>
<td>Augmenting Psychiatric Care: A Participatory Mobile Framework</td>
<td>K.M. Kelly; J. Rosser; K. Wells; A. Arevian</td>
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<td>5:00 PM-6:30 PM</td>
<td>Intelligent Home Risk Monitoring To Enable Post Acute Care Surveillance</td>
<td>H. Moghimi; J.L. Schaffer; N. Wickramasinghe</td>
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<td>5:00 PM-6:30 PM</td>
<td>Using Informatics Tools to Standardize the Request, Adjudication and Monitoring of Non Formulary Agents at a VA Facility</td>
<td>L. Winterbottom; J. McConnachie; T.M. Brenk; J. Yang; B.M. Wilcox</td>
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<td>5:00 PM-6:30 PM</td>
<td>Visualizing Clinical Workflow using Time and Motion Data</td>
<td>D.T. Wu; N. Smart; S. Han; M. Majeed; J. Han; S. Li; F. Zhang; K. Zheng</td>
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<td>5:00 PM-6:30 PM</td>
<td>PheWAS Network Analysis and Visualization</td>
<td>Y. Xu; T. Edwards; L. Bastarache; R.N. Jerome; S. Zho; E. Torstenson; W. Wei; J. Shirey-Rice; E.A. Bowton; Y. Shyr; J. Pulley; J.C. Denny</td>
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<td>5:00 PM-6:30 PM</td>
<td>GeoHealth Informatics: Applying Geographic Information Science (GIS) to Support Heart Failure Self-Care</td>
<td>N. Ye; D. Johnson; R.J. Holden</td>
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<td>5:00 PM-6:30 PM</td>
<td>Annotating Recommendation Sentences in Radiology Reports</td>
<td>M. Yetisgen; P. Klassen; L. McCarthy; T. Payne; M.L. Gunn</td>
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<td>5:00 PM-6:30 PM</td>
<td>Annotation of Disease Characteristics for Cancer Liver Stage Prediction</td>
<td>W. Yim; S.W. Kwan; G. Johnson; M. Yetisgen</td>
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<td>5:00 PM-6:30 PM</td>
<td>Using TURF Framework to Improve EHR-CPOE Medication Dosing in Renal Impaired Elderly</td>
<td>R.A. Yusuf; M. Salimi; M. Zhu</td>
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<td>5:00 PM-6:30 PM</td>
<td>Lack of Unique Healthcare Identifier in Healthcare Information Exchanges: A Field Study</td>
<td>M.C. Tremblay; G.J. Deckard; P. Zhang</td>
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<td>5:00 PM-6:30 PM</td>
<td>Understanding the Use of Adverse Events Criteria in Radiation Therapy: A Literature Mining Approach</td>
<td>Y. Zhen; Y. Jiang; Q. Wu; L. Yuan; Y. Ge</td>
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<td>5:00 PM-6:30 PM</td>
<td>Automatically Screening Possible Chemoresistance Genes of Bladder Cancer Drugs</td>
<td>L. Wang; J. Zhu; Q. Zhu</td>
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<td>5:00 PM-6:30 PM</td>
<td>Choosing to Build: Optimizing the Development of a Custom Pathology Laboratory Software Solution</td>
<td>E. Madrigal; V. Brodsky</td>
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<td>Facebook and depression: How people with depression use Facebook to manage their depression</td>
<td>M. Zolnoori; P. Nambisan; T.B. Patrick</td>
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<td>5:00 PM-6:30 PM</td>
<td>Improving user engagement and insight through Contextualized Quantified Self</td>
<td>T. Lorberbaum; A. Yahi; T.J. Callahan</td>
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<td>5:00 PM-6:30 PM</td>
<td>KaryoViz: Designing A Karyotype Visualization Platform for Clinical Decision Support</td>
<td>Z. Abrams; S. Raje</td>
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<td>5:00 PM-6:30 PM</td>
<td>Accelerating Biomedical Informatics Research with Interactive Multidimensional Data Fusion Platforms</td>
<td>S. Raje</td>
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<td>5:00 PM-6:30 PM</td>
<td>Take a Breather: Empowering Adherence &amp; Patient Centered Research Through Interactive Data Visualization, Social Engagement, &amp; Gamification in Patients with Sleep Apnea</td>
<td>A. Choi; B. Cordier; P. Das; J.J. Li</td>
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<td>5:00 PM-6:30 PM</td>
<td>I-SMILE: Similarity based Just-in-time Recommendation System for Public Health</td>
<td>E. Choi; J.J. Doruz; S. Lin; K. Ryder; A.B. Singh; H. Su</td>
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<td>5:00 PM-6:30 PM</td>
<td>Learning from the Data: Exploring a Hepatocellular Carcinoma Registry Using Visual Analytics to Improve Multidisciplinary Clinical Decision-Making</td>
<td>D.V. Woodcock; M.R. Hribar; L.N. Sanchez-Pinto; K. Fultz Hollis; G. Ren</td>
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<td>5:00 PM-6:30 PM</td>
<td>The EH Tracker: Using Dynamic Environmental Health Data for Improved Decision-Making of Health</td>
<td>J.L. Burke; R.C. James; D. Lee</td>
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8:00 PM-10:00 PM, Franciscan A (Hilton San Francisco Union Square), Natural Language Processing Working Group Meeting, Special Event
<table>
<thead>
<tr>
<th>Time</th>
<th>Session or Event Info</th>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>Imperial A (Hilton San Francisco Union Square), <strong>S62: Didactic Panel -</strong></td>
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<tr>
<td></td>
<td>Developing Natural Language Processing Systems for Healthcare, Didactic Panel, NLP,</td>
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<td>Information Extraction and Retrieval</td>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>Developing Natural Language Processing Systems for Healthcare</td>
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<td>G.T. Gobbel; R.M. Reeves; W. Chapman; D. Finch; J.H. Garvin</td>
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<td>10:30 AM-12:00 PM</td>
<td>Yosemite C (Hilton San Francisco Union Square), <strong>S65: Papers -</strong></td>
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<td>Consumer Text and Ontologies, Papers, Terminology and Standards Ontologies</td>
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<td>10:30-10:52 AM</td>
<td>Automated Classification of Consumer Health Information Needs in Patient Portal</td>
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<td>R.M. Cronin; D. Fabbri; J.C. Denny; G.P. Jackson</td>
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<td>10:52-11:14 AM</td>
<td>Analyzing Self-Help Forums with Ontology-Based Text Mining: An Exploration in</td>
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<td>Kidney Space</td>
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<td>P. Burckhardt; R. Padman</td>
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<td>11:14-11:36 AM</td>
<td>Automatic Extraction and Post-coordination of Spatial Relations in Consumer Language</td>
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<td>K. Roberts; L.M. Rodriguez; S.E. Shooshan; D. Demner-Fushman</td>
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<td>11:36-11:58 AM</td>
<td>Representation of Functional Status Concepts from Clinical Documents and Social</td>
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<td>Media Sources by Standard Terminologies</td>
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<td>A.F. Mohanty; J. Kuang; R. V. H.; C. Weir; B.E. Bray; Q.T. Zeng</td>
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<td>1:45 PM-3:15 PM</td>
<td>Yosemite C (Hilton San Francisco Union Square), <strong>S78: Papers -</strong></td>
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<td>Extracting Information from Clinical Texts, Papers, NLP, Information Extraction</td>
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<td>and Retrieval</td>
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<td>1:45-2:07 PM</td>
<td>Finding Cervical Cancer Symptoms in Swedish Clinical Text</td>
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<td>using a Machine Learning Approach and NegEx</td>
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<td>R. Weegar; M. Kvist; K. Sundström; S. Brunak; H.K. Dalianis</td>
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<td>2:07-2:29 PM</td>
<td>Automated Extraction of Substance Use Information from Clinical Texts</td>
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<td>Y. Wang; E.S. Chen; S.V. Pakhomov; E.G. Arsoniadis; E.W. Carter; E. Lindemann; I.N.</td>
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<td>Sarkar; G.B. Melton</td>
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<td>2:29-2:51 PM</td>
<td>A Study of Neural Word Embeddings for Named Entity Recognition in Clinical Text</td>
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<td>Y. Wu; J. Xu; M. Jiang; Y. Zhang; H. Xu</td>
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<td>2:51-3:13 PM</td>
<td>Automated Reconciliation of Radiology Reports and Discharge Summaries</td>
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<td>B. Koopman; G. Zuccon; A. Wagholikar; K. Chu; J. O'Dwyer; A. Nguyen; G. Keijzers</td>
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<td>3:30 PM-5:00 PM</td>
<td>Continental 6 (Hilton San Francisco Union Square), <strong>S83: Didactic Panel -</strong></td>
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<td>State of the Art of Clinical Narrative Report De-Identification and Its Future</td>
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<td>Didactic Panel, NLP, Information Extraction and Retrieval</td>
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<td>3:30 PM-5:00 PM</td>
<td>State of the Art of Clinical Narrative Report De-Identification and Its Future</td>
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<td>J. Aberdeen; S. Meystre; M. Kayaalp; P. Szolovits</td>
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<td>3:30 PM-5:00 PM, Plaza A (Hilton San Francisco Union Square), <strong>S87: Papers - NLP Miscellaneous Applications.</strong> Papers, NLP, Information Extraction and Retrieval</td>
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<td>3:30-3:52 PM</td>
<td>JUFIT: A Configurable Rule Engine for Filtering and Generating New Multilingual UMLS Terms</td>
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<td>Scaling Out and Evaluation of OBSecAn, an Automated Section Annotator for Semi-Structured Clinical Documents, on a Large VA Clinical Corpus</td>
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<td>4:14-4:36 PM</td>
<td>An Ensemble Method for Spelling Correction in Consumer Health Questions</td>
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<td>4:36-4:58 PM</td>
<td>Citation Sentiment Analysis in Clinical Trial Papers</td>
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<td>5:00 PM-6:30 PM, Grand Ballroom (Hilton San Francisco Union Square), <strong>Poster Session II (Authors present), Poster</strong></td>
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<td>5:00 PM-6:30 PM</td>
<td>Building of Community Health care Data Bank (EHR) using positional and temporal tracking and collecting DATA</td>
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<td>5:00 PM-6:30 PM</td>
<td>Personalized medicine beyond genetics: using personalized model-based forecasting to help type 2 diabetics understand and predict their post-meal glucose</td>
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<td>5:00 PM-6:30 PM</td>
<td>Identifying Home Care Clinical Practices Most Associated with Hospital Readmissions and Non-Admitted ER Visit Rates: Secondary Data Analysis</td>
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<td>5:00 PM-6:30 PM</td>
<td>Regenstrief ePRO: A Rule-Based Platform for Capturing Targeted Patient-Reported Outcomes</td>
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<td>Feasibility and Acceptability of an Online Maternity Education Platform</td>
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<td>Analysis of Computerized Clinical Reminder Activity and Usability Issues</td>
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<td>Automating Identification of OEF/OIF Veterans Diagnosed with ALS</td>
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<td>Learning Useful Abstractions from the Web</td>
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<td>Patient-Centered Postoperative Wound Surveillance Using Smartphone Digital Photographs</td>
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<td>5:00 PM-6:30 PM</td>
<td>Standardization of Ask At Order Entry Questions: A Prudent Question is One-Half Wisdom</td>
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<td>9 Patient Treatment Errors in a 12-Month Period: Analysis of Workflows and How Electronic Health Records Interact with Workflows to Contribute to Errors</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Faceted-Search Mobile App for Matching Cancer Patients to Targeted Therapy Clinical Trials</td>
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<td>5:00 PM-6:30 PM</td>
<td>Using the Adverse Event Reporting System: Can Analysis be Streamlined by Text Processing?</td>
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<td>5:00 PM-6:30 PM</td>
<td>GeneLab: NASA’s Open Access, Collaborative Platform for Systems Biology and Space Medicine</td>
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<td>5:00 PM-6:30 PM</td>
<td>An Ontology-Driven Patient History Questionnaire System</td>
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<td>5:00 PM-6:30 PM</td>
<td>Integrating Electronic Health Record Competencies into Undergraduate Health Informatics Curricula: A Preliminary Qualitative Study</td>
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<td>5:00 PM-6:30 PM</td>
<td>Variable Importance in Recursive Feature Selection with Random Forests for Mortality Prediction in ICU</td>
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<td>Converting the Foundational Model of Anatomy to OWL2</td>
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<td>Developing an Ontology from HIV-associated Elements in Research</td>
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<td>5:00 PM-6:30 PM</td>
<td>Musculoskeletal Flowsheet Data Modeling for Clinical Research</td>
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<td>CDS, EHR and Pharmacogenomics to Estimate Warfarin Dosing</td>
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<td>5:00 PM-6:30 PM</td>
<td>Survey of Mayo Clinic Trainees’ Knowledge, Attitudes, and Opinions Regarding Clinical Informatics</td>
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<td>5:00 PM-6:30 PM</td>
<td>Influences, Barriers, and Motivations for Healthy Behaviors Among Pediatric Cancer Patients: A Focus Group Approach</td>
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<td>Predicting The Initial Lapses After Alcohol Detoxification Using mHealth</td>
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<td>Privacy Concerns of Internet Users and Implications for Health Information Technology</td>
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<td>5:00 PM-6:30 PM</td>
<td>System Architecture of CDC I-SMILE Recommendation Engine</td>
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<td>User-Centered Design of the Clinical Dashboard for the MySafeCare Patient Safety Reporting System</td>
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<td>Detecting Mitral Valve Prolapse (MVP) From Heart Sound Recordings</td>
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<td>To Improve Sensitivity and Specificity in Early Detection of Sepsis</td>
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<td>Information System for Mobile Immersive Learning Environment for Just-in-Time Learning in Public Health</td>
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<td>Improving Vaccine-Preventable Disease Reporting through Health Information Exchange</td>
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<td>Innovative Methods for Obtaining and Managing Patient Consent for Patient Centered Outcomes Research</td>
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<td>A Comparative Analysis of Factors for Predicting Inpatient Length of Stay for Colorectal Cancer Patients</td>
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<td>A Six State Review of Grantees’ Experiences with the State HIE Program</td>
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<td>Platform for Engaging Everyone Responsibly (PEER) Validation Study Plan</td>
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<td>Leveraging an Open Source Data Warehousing and Analytics Tool to Promote Longitudinal Research, Improve Knowledge Transfer and Avoid Redundancy Across Research Studies</td>
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<td>5:00 PM-6:30 PM</td>
<td>Challenges for Residents in Following Instruction in Laparoscopic Surgery</td>
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<td>Grantees’ Lessons Learned in Implementing State HIE Initiatives</td>
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<td>Transforming the National Department of Veterans Affairs Data Warehouse to the OMOP Common Data Model</td>
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<td>Bridging the MedlinePlus Cloud to askMEDLINE</td>
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<td>A Gap Analysis of Competencies and Curriculum in Host-Site Projects of a Field-Based Informatics Fellowship</td>
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<td>An Examination of Standalone Personal Health Record Use by Patients with Type 2 Diabetes</td>
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<td>Therapeutic Area and Research Use Case Based Data Profiling &amp; Quality Assessment Framework</td>
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<td>Electronically Collecting Nocturnal Heart Failure Information</td>
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<td>Transition of Care from an Academic Cancer Center to Community Providers and Survivorship care: Would a Patient Care Team Portal Help?</td>
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<td>Developing Principles and Best Practices for Structured Documentation</td>
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<td>A Tale of Two Layouts: Vignette vs. Structured Interview for Layout of an Electronic Handoff Tool</td>
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<td>Integrated Clinical Decision Support Systems: Systematic Review and Classification of Online Medical Calculators</td>
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<td>Variation Among Providers in Cost of a Knee Replacement Episode</td>
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<td>Understanding Ongoing Concerns after Implementation of Patient-Provider Messaging in the Acute Care Setting</td>
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<td>Standardized Mapping of Sensitive Data Categories</td>
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<td>Meal-Camera System to Support Nutritional Tele-Consultation for Diabetics</td>
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<td>Mapping Hospital Infections to Inform Quality Improvement Interventions</td>
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<td>Using MetaMap to Analyze Which Linguistic Concepts of an Imaging Study Indication Make it Helpful to a Radiologist</td>
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<td>Electronic Health Record Audit Logs: An Alternative Approach to Workflow Analysis</td>
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<td>RSS Feeds used by Medical Professionals, a Systematic Review and Guide</td>
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<td>Informational Content of Verbal Handoffs in Emergency Care</td>
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<td>Evaluation of a Local Terminology to SNOMED CT Crosswalk</td>
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<td>Deep Sequencing of Phage-Displayed Peptide Libraries Reveals Novel Peptide Motif that Detects Norovirus</td>
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<td>Examining the Role of Bug-tracking Systems in the Maintenance of Electronic Health Records (EHRs)</td>
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<td>Clinico-genomic Decision Support System for Precision Diagnostics and Management</td>
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<td>An Interactive System for Comprehensive Geriatric Telerehabilitation</td>
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<td>Representing and Validating Cancer Study Metadata Standard Using RDF Shapes Expression Language</td>
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<td>Physician Participation in Meaningful Use and Rehospitalization of the Dually-Eligible</td>
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<td>Automatic Phone and Text Message Reminders to Increase Patient Completion of Outpatient Laboratory Testing</td>
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<td>Characteristics of Older Adults' Adherence of a Wearable Fall Detection Device</td>
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<td>Design and Implementation of a Relevant Data Report Tool for Patients Presenting to the Emergency Department with Chest Pain</td>
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<td>Health Information Technology Evaluation Studies: Trends in Communities and Geography from 2004 to 2014</td>
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<td>Usability of mobile apps for radiology diagnostic decision-making</td>
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<td>Analysis of the Great Divide Between Cardiovascular Risk and Health Scores</td>
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<td>Mixed-Methods Study of Risk Communication in a Patient Decision Aid</td>
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<td>Natural Language Processing facilitates delivery of individualized recommendations at the point of care</td>
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<td>A Novel Visualization for Rapid Summarization of Patient History: Application to Cirrhosis</td>
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<td>A Lifecycle Management Solution to Manage Mississippi’s Data Lake and Big Data Analytics Platform</td>
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<td>5:00 PM-6:30 PM</td>
<td>Problem List Quality in Ambulatory Medicine</td>
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<td>5:00 PM-6:30 PM</td>
<td>Integrated Health Information Architecture to Facilitate State-wide and National Evidence-Based Public Health Monitoring: A Case Study based in India</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Combined HIS In-house Developing Model of Integrating Patient Information</td>
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<td>Information Acquisition Preferences in the Intensive Care Unit</td>
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<td>5:00 PM-6:30 PM</td>
<td>Semantic and Interactive Timeline for Patient Data Visualization</td>
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<td>5:00 PM-6:30 PM</td>
<td>Applying an instant messaging system at the hospital to support TRM</td>
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<td>5:00 PM-6:30 PM</td>
<td>Improving Failure Mode and Effects Analysis through Electronic Health Record-Assisted Team Identification</td>
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<td>Decision Factors Influencing the Selection of a &quot;Hand-off&quot; Model Versus a &quot;Hold-on&quot; Model for Telehealth Service Lines</td>
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<td>5:00 PM-6:30 PM</td>
<td>Developing an Electronic Survey to Capture Current State of Acute Care Patient Portals to Inform Best Practices and Future Directions</td>
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<td>Design of a “Synthetic” Data Set for teaching and evaluating analytics methodology in Accountable Care Organizations</td>
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<td>Health Care Providers’ Perceived &amp; Actual Problems in the Use of HIT in the ED</td>
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<td>Caveats of Using Social Media Data for Medical Research: A Report from a Study on Eye-Related Symptoms in Tweets</td>
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<td>Real-time SNOMED Post-coordination of Adverse Drug Reactions: Model Formulation for an Actionable Registry</td>
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<td>5:00 PM-6:30 PM</td>
<td>Using OpenEMR in HIT Training</td>
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<td>Variability in the Sequence of HL7 2.x Event Code Types used to Represent Encounters Across a Health Information Exchange</td>
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<td>5:00 PM-6:30 PM</td>
<td>The Role of Technology Utilization in Designing Self-Management Systems</td>
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<td>Evaluation of the accuracy of CDS for cervical cancer screening and surveillance</td>
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<td>Designing a drawing-based tool to manage EBRT process in an open-source oncology EMR system</td>
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<td>The Process of Using Focus Groups to inform Development</td>
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<td>Towards Personalized Nutrition</td>
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<td>Qualitative Analysis of Responses to a Questionnaire via an EHR Patient Portal</td>
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<td>Engaging patients using an inpatient web-based patient portal and evaluating effectiveness in a pragmatic randomized controlled trial</td>
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<td>5:00 PM-6:30 PM</td>
<td>Evaluating Efficient Clinician Utilization of Electronic Health Records</td>
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<td>Stratification of Risk for Fall Resulting in Hospital Readmission through Medication Side Effects Profiles</td>
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<td>Partnering to Develop a Service-based CDS System for Public Health Reporting Specifications</td>
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<td>Born to Lose (the Call): Date of Birth Errors in Patient Identification in an Automated Adverse Drug Reaction Call System</td>
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<td>Development of a Novel Application for Home Management of Chronic Low Back Pain</td>
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<td>Improving Evidence-Based Migraine Management in VA Primary Care Clinics by Utilizing Informatics Tools</td>
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<td>Usability of a phenotype builder prototype and lessons learned for the design of phenotyping tools</td>
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<td>The Everyday Practice of Health for Mexican Women in New Brunswick: Barriers and Opportunities</td>
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<td>Extending the Project HealthDesign Experience via On-Line Public Data Repositories</td>
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<td>An automated tool to replicate data between multiple versions of Profiles Research Networking Software's (RNS)</td>
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<td>HDD Access – an Open Source Terminology Server with Publicly Available Healthcare Terminology Content</td>
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<td>A Prefectural Medical Information Network System Developed after the Great East Japan Earthquake</td>
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<td>Development of a Methodological Protocol for Observing Pharmacist Information Needs While Using the EHR</td>
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<td>Role of Social Media in shaping public health messages regarding Human Papillomavirus (HPV) vaccinations</td>
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<td>Development of Anatomical Radiology Ordersets</td>
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<td>Using National Database for Autism Research (NDAR) privacy-preserving record linkage protocol in the PEDSnet CDRN</td>
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<td>Evaluating Health Information Systems based on expert knowledge reference</td>
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<td>Informatics Strategies to Address Cancer Worry of Urban Dominicans</td>
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<td>Organizing Drugs in RxNorm by Therapeutic Classes</td>
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<td>Measuring HIE in States and Factors Associated with States’ Success in HIE</td>
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<td>Efficacy of Clinical Alerts Designed to Decrease the Incidence of Contrast Induced Nephropathy</td>
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<td>Finding Similar Drug Classes using RxClass</td>
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<td>Meta-Analysis of Ontology Applications in Healthcare</td>
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<td>Use of an Adaptive Agent-Based Model in Evaluating Patient Preferences in Healthcare</td>
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<td>Data-driven identification of factors for appropriate selection of lab tests</td>
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<td>Usability Testing of a Complex CDS Tool in the ED; Lessons Learned</td>
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<td>Clustering Health Data to Discover EBP Interventions for Sepsis Prevention and Treatment for Health Disparities</td>
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<td>Data Integration Opportunities and Challenges for the ADVANCE Clinical Data Research Network</td>
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<td>To be Discontinued: CPOE Medication Orders Discontinued with Reason Being &quot;Error (Erroneous Entry)&quot;</td>
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<td>A method to automatically create titles of clinical notes in electronic medical records</td>
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<td>Closing the Loop with an Enhanced Referral Management System</td>
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<td>Non-Physicians E-Prescribe More than Physicians in a Pediatric Emergency Department</td>
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<td>Web-based Patient-centered Toolkit: Demographics of Enrollment</td>
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<td>Identification of Variables that Predict Visit Times for Analyzing Ophthalmology Clinic Workflows</td>
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<td>Preserving Semantic Content of Narrative Clinical Information in the OMOP Common Data Model Format</td>
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<td>HomeSHARE: A Distributed Smart Homes Testbed Initiative</td>
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<td>An Analytics Approach for Adverse Drug Event Discovery</td>
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<td>Automated Prediction of Human Mobility Patterns in International Humanitarian Response</td>
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<td>Representation of Genetic Variants in Genomic Sequencing Reports</td>
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<td>Demographic Predictors for Completion of an Interactive Voice Response System Survey Coupled with a Real Time Transfer to a Pharmacist</td>
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<td>Changing Physician Changeover: How adopting a tool in the EMR impacts the perception of paper handoff tools</td>
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<td>Integrative Informatics and Predictive Modeling Support for Population Health</td>
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<td>Meta-Analysis: Impact of Health Information Technology on Patient Engagement and Health Behavior Change</td>
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<td>Statistically Bolstered Opportunities Assessment in Measure Analytics</td>
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<td>Use of mHealth Technology for Supporting Symptom Management in Underserved Persons Living with HIV (PLWH)</td>
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<td>Drug Allergy Interaction Alert Overrides in the Inpatient Setting</td>
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<td>Cluster Analysis Algorithm For Cohort Comparison</td>
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<td>A Framework for Assessing Clinical Data Suitability for Observational</td>
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<td>Drug Database Refinement Using Machine Learning and Text Analysis</td>
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<td>HealthAlert: A Real-Time Health Monitoring App for Apple’s HealthKit</td>
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<td>Data Mining to Predict Healthcare Utilization in Managed Care Patients</td>
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<td>Identifying Population Characteristics Tables in Full Text Articles</td>
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<td>Implementation of a Mobile Electronic Medical Record System that</td>
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<td>Uses a Problem-oriented Contiguous Timeline View</td>
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<td>Electronic Medical Records System Support of Patient Centered</td>
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<td>Medical Home Requirements for National Committee for Quality</td>
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<td>Assurance Recognition</td>
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<td>Alternative Information Display of Clinical Research to Support</td>
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<td>Leveraging Genetic Findings to Identify High-Risk Chronic Kidney</td>
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<td>Disease in the Electronic Medical Record</td>
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<td>Systemic Risk Analysis for Use Cases for Safety-Related Usability of</td>
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<td>PubMed ‘Early Alerts’: A Pilot Study to Support Prospective Detection</td>
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<td>of Emerging Adverse Drug Events</td>
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<td>Machine-to-Machine (M2M) Communication in Home-care</td>
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<td>Bringing Context to Data Analytics: A Hybrid Approach to Understanding</td>
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<td>Comparison of Patient Portal Usage between Employees and Non-Employees</td>
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<td>Data-driven knowledge base evaluation: Translating an adult CDS tool for use in pediatric care</td>
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<td>Leveraging a Clinical Data Warehouse to improve quality of data in the French DRG-based system (PMSI)</td>
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<td>A Cross Strait Cooperation Design and Implementation of Mobile Nursing Information System</td>
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<td>A Systems-Based Framework for Informatics Workforce Development to Support Health System Transformation</td>
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<td>Integrating an Externally Developed Clinical Decision Support (CDS) System with an Existing Electronic Health Record (EHR) System at VA</td>
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<td>5:00 PM-6:30 PM</td>
<td>Canary – a Graphic User Interface to a Heuristic NLP Engine</td>
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<td>Hospital Participation in Meaningful Use and Rehospitalization of Medicare Beneficiaries</td>
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<td>Evaluation of a Statewide Online HIV-HCV-STD Clinical Education Program – Characterization of Healthcare Providers’ Professional Background, Self-Reported Knowledge Increase, and Intention to Change Clinical Practice</td>
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<td>Building and evaluating predictive models for postoperative ileus prior to colorectal surgery</td>
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<td>Pediatric venous thrombus embolus (VTE) screening tool: the design, implementation and continuous improvement of a complex clinical decision support tool</td>
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<td>Increasing Patient Enrollment in Clinical Trials Using a Web Based Recruitment Application</td>
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<td>A Centralized Data Collection and Management Tool in the VA: REDCap</td>
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<td>Routine Collection of Patient-Reported Data in Electronic Form in Clinical Settings: An Analysis of Available Technologies</td>
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<td>A BI Tool to Monitor the Intervention Efficiency of Antibiotic Therapy in Leukemia Patients</td>
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<td>5:00 PM-6:30 PM</td>
<td>Use of an Electronic Health Record as a Research Tool: Frequency of Exposure to Targeted Medical Conditions and Health Care Providers’ Clinical Proficiency T. Wysocki; J. Crutchfield; M. Diaz; J. Franciosi</td>
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<td>5:00 PM-6:30 PM</td>
<td>Simplified Spectrographic Display for Bedside Electrographic Seizure Detection in the ICU P. Yan; Z.M. Grinspan</td>
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<td>5:00 PM-6:30 PM</td>
<td>Intelligence in Usability Survey Research (iUSuR): an Online Usability Question Bank for Usability Survey Research P. Yen; N. Esmaili Mokaram; G.M. Torelli; A. Schultz; X. Ji</td>
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<td>Anchor time extraction for building timeline from Korean clinical narratives W. Yi; S. Park; J. Choi</td>
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<td>5:00 PM-6:30 PM</td>
<td>Predicting Autonomy for Physical Activity using Data Mining Techniques S. Yoon; N.M. Suero-Tejeda; S. Bakken</td>
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<td>5:00 PM-6:30 PM</td>
<td>A Preliminary Study on EHR-Associated Extra Workload Among Physicians J. Zhang; K. Avery; Y. Chen; S. Ashfaq; S.R. Rick; K. Zheng; N. Weibel; H. Hochheiser; C. Weir; K. Bell; M. Gabuzda; N. Farber; B. Pandey; A. Calvitti; L. Liu; R. Street; Z. Agha</td>
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<td>Social Media and Autism Support: Health Information Seeking in Facebook by Autism Patients and Caregivers Y. Zhao; P. Nambisan</td>
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<td>5:00 PM-6:30 PM</td>
<td>A survey of automated information retrieval for genetic disorder from GeneReviews Q. Zhu; p. Li</td>
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<td>Medication Adherence to Oral Hypoglycemic Agents and Hospitalization Cost in Medicaid Patients with Type 2 Diabetes V. Zhu; W. Tu; M. Rosenman; J. Overhage</td>
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<td>5:00 PM-6:30 PM</td>
<td>Using a Web-based Clinical Pathway and Computerized Order Set to Improve Efficiency of Care for Asthma in a Pediatric Emergency Department J. Zorc; R. Abaya; E. Delgado; R. Scarfone</td>
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<tr>
<td>8:52-9:14 AM</td>
<td>Veterans Health Administration Experience with Data Quality</td>
<td>J. Lyle; O. Bouhaddou; n. botts; m. swall; e. pan; T. Cullen; m. donahue; n. hsing</td>
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<td>Surveillance of Continuity of Care Documents: Interoperability Challenges for</td>
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<td>eHealth Exchange Participants</td>
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<td>9:14-9:36 AM</td>
<td>An Empirical Analysis of Chaplain Charting Practices to Inform</td>
<td>M. Sakumoto; R. Johnson; J. Wirpsa; G. Handzo; L. Emanuel; A.N. Kho</td>
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<td>Electronic Health Record Template Redesign</td>
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<td>9:36-9:58 AM</td>
<td>Validating Free-text Order Entry for a Note-centric EHR</td>
<td>A. Rule; S.R. Rick; M. Chiu; P. Rios; S. Ashfaq; A. Calvitti; W.S. Chan; N. Weibel; Z. Agha</td>
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10:30 AM-12:00 PM, Imperial B (Hilton San Francisco Union Square), S110: Podium Presentations - Supporting Decisions with NLP, Podium Presentations, NLP, Information Extraction and Retrieval

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<td>10:30-10:52 AM</td>
<td>Evaluating the Accuracy of Automated Notifiable Condition Detection</td>
<td>U. Kirbiyik; P.T. Lai; B.E. Dixon; S. Grannis; S.N. Kasthurirathne</td>
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<td>in Free-Text Electronic Laboratory Report Results Using Contemporary</td>
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<td>Text Mining and Machine Learning Methods</td>
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<td>10:52-11:14 AM</td>
<td>Detection of Colorectal Surgical Site Infections Using Bayesian Network and</td>
<td>S. Sohn; M. Rastegar-Mojarad; J.M. Naessens; E.B. Habermann; D.W. Larson; H. Liu</td>
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<td>Natural Language Processing</td>
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<td>11:14-11:36 AM</td>
<td>Natural Language Processing facilitates delivery of individualized</td>
<td>R. Komandur Elayavilli; R. Chaudhry; J. Masanz; J. Pankratz; J.L. Shellum; S.G. Peters; R.</td>
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<td>recommendations at the point of care</td>
<td>Hankey; D.J. Cronk; J.J. Boysen; K. Pavek; R. Roden; H. Liu</td>
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<td>11:36-11:58 AM</td>
<td>Quantifying Tobacco Exposure Using Clinical Notes and Natural Language</td>
<td>T. Osterman; W. Wei; J.C. Denny</td>
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<td>Processing to Enable Lung Cancer Screening</td>
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10:30 AM-12:00 PM, Plaza B (Hilton San Francisco Union Square), S112: Papers/Podium Presentations - Discovering Associations, Papers/Podium Presentations, Translational Bioinformatics and Biomedicine

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<tr>
<td>10:30-10:52 AM</td>
<td>Polychromatic X-Ray Absorptiometry to Quantify Breast Density Volume, Ratio</td>
<td>L. de Sisternes; J. Rothstein; A. Jeffers; W. Sieh; D. Rubin</td>
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<td>and their Associated Breast Cancer Risk in Full-Digital Mammography</td>
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<td>10:52-11:14 AM</td>
<td>Mining and Visualizing Family History Associations in the Electronic Health</td>
<td>E.S. Chen; G.B. Melton; R.C. Wasserman; P.T. Rosenau; D.B. Howard; I.N. Sarkar</td>
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<td>Record: A Case Study for Pediatric Asthma</td>
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<td>11:14-11:36 AM</td>
<td>What causes pneumonia? Kinds of Knowledge and the Case for Hybrid Representations</td>
<td>A.L. Rector</td>
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<td>11:36-11:58 AM</td>
<td>Human Computation of Big Data in Biomedicine: Making STAR annotations for large scale functional characterization of disease D. Hadley; J. Pan; O.M. El-Sayed; J. Al-Jabban; I. Al-Jabban; T. Azad; S. Raza; M. Hadied; B. Chen; H. Paik; S. Bhattacharya; M. Sirota; A.J. Butte</td>
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