Bio

Susan C. Weber, PhD is Director of Engineering in Research IT (IRT). Dr. Weber has a PhD in Computer Science and 30 years' experience as a professional software developer.

LINKS
• Stanford Center for Clinical Informatics: https://clinicalinformatics.stanford.edu/

Publications

PUBLICATIONS
• Disease risk factors identified through shared genetic architecture and electronic medical records. *Science translational medicine*
  2014; 6 (234): 234ra57-?

• Disease Risk Factors Identified Through Shared Genetic Architecture and Electronic Medical Records *SCIENCE TRANSLATIONAL MEDICINE*
  2014; 6 (234)

• Stanford-NIH Pain Registry: Open source platform for large-scale longitudinal assessment of clinical data and patient-reported outcomes *American Academy of Pain Medicine’s 30th Annual Meeting*
  Kao, M., Cook, K., Olson, G., Pacht, T., Darnall, B., Weber, S., Mackey, S.
  2014

• Breast cancer treatment across health care systems: linking electronic medical records and state registry data to enable outcomes research. *Cancer*
  2014; 120 (1): 103-111

• Breast Cancer Treatment Across Health Care Systems *CANCER*
  2014; 120 (1): 103-111

• Stanford-NIH Pain Registry: Catalyzing the rate-limiting step of big data psychometrics with item-response theory and advanced computerized adaptive testing *American Academy of Pain Medicine’s 30th Annual Meeting*
  Kao, M., Cook, K., Olson, G., Pacht, T., Darnall, B., Weber, S. C., Mackey, S.
  2014

  Li, L., Ruau, D., Chen, R., Weber, S., Butte, A. J.
  2013: 224-235
• Row-Filtering with Dynamic SQL in Support of Compliant EHR Data Marts  AMIA CRI Summit on Clinical Research Informatics
  2013; 278

• A simple heuristic for blindfolded record linkage  JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION
  2012; 19 (E1): E157-E161

• Clinical Research Alerting for Early Septic Shock Detection  2012 Summit on Clinical Research Informatics
  2012

• Oncoshare: Lessons learned from building an integrated multi-institutional database for comparative effectiveness research  Proceedings of the AMIA 2012 Annual Symposium
  SC Weber, T Seto, C Olson, P Kenkare, A Kurian, A Das
  2012

• Use of RxNorm and SNOMET-CT® to Support the Use of Medication Information in Research Patient Cohort Searching  AMIA Annu Symp Proc
  2011: 106

• Hash-Based Algorithmic Linkage of Patient Records in De-identified Multi-site Patient Research Registries  AMIA Annu Symp Proc
  2011; CRI: 81

• A Model for Efficient Review of Clinical Data by Researchers within the STRIDE Clinical Data Warehouse  AMIA Annu Symp Proc
  2011; CRI: 34

• Implementing a Real-time Complex Event Stream Processing System to Help Identify Potential Participants in Clinical and Translational Research Studies  AMIA Annu Symp Proc
  Weber S, Lowe HJ, Malunjkar S, Quinn J
  2010: 472

• Managing Medical Vocabulary Updates in a Clinical Data Warehouse: An RxNorm Case Study.  AMIA ... Annual Symposium proceedings / AMIA Symposium
  2010; 2010: 477-481

• Self-Service Support for Research Patient Cohort Identification and Review of Clinical Data in the STRIDE Clinical Data Warehouse  AMIA Annu Symp Proc
  Lowe HJ, Weber S, Ferris T, Hernandez P
  2010; CRI

• Automated mapping of pharmacy orders from two electronic health record systems to RxNorm within the STRIDE clinical data warehouse.  AMIA ... Annual Symposium proceedings / AMIA Symposium
  2009; 2009: 244-248

• STRIDE--An integrated standards-based translational research informatics platform.  AMIA ... Annual Symposium proceedings / AMIA Symposium
  2009; 2009: 391-395

  2008: 243-254

• Clinical arrays of laboratory measures, or "clinarrays", built from an electronic health record enable disease subtyping by severity.  AMIA ... Annual Symposium proceedings / AMIA Symposium