

## ITCH 2019 PAPERS and PRESENTERS

*Review of Mobile Apps for Prevention and Management of Opioid-Related Harm*

Monica Aggarwal, University of Toronto, Canada

*Axe the Fax: What Users Think of Electronic Referral*

Mohamed Alarakhia, The eHealth Centre of Excellence, Canada

*Early Usability Assessment of a Conversational Agent for HPV Vaccination*

Muhammad Amith, University of Texas Health Science Center, USA

*Towards Developing an eHealth Equity Conceptual Framework*

Marcy Antonio, University of Victoria, Canada

*Factors Associated with Increased Adoption of a Research Data Warehouse*

Ahmad Baghal, UAMS College of Medicine, USA

*Advancing Telehealth Nursing Practice in Oncology: Factors Affecting Nurse Use of Electronic Symptom Management Guidelines*

Elizabeth Borycki, University of Victoria, Canada

*Reason for Use: An Opportunity to Improve Patient Safety*

Reicelis Casares Li, University of Waterloo, Canada

*Linking Health Records with Knowledge Sources Using OWL and RDF*

John Chelsom, Seven Informatics, UK

*Embedding Health Literacy Tools in Patient EHR Portals to Facilitate Productive Patient Engagement*

Mei Chen, Cogilex R&D Inc., Canada

*Data for Adherence Decision Support*

Simon Diemert, Critical Systems Labs Inc, Canada

*FHIRForm: An Open-source Framework for the Management of Electronic Forms in Healthcare*

Bellraj Eapen, McMaster University, Canada

*Estimating Clinical Trial Bleeding Events Using Electronic Health Record Data*

Eric Eisenstein, Duke University, USA

*Death: The Simple Clinical Trial Endpoint*

Eric Eisenstein, Duke University, USA

*Insight into Health Care Outcomes for Persons Living with Mid to Late Stage Heart Failure Using Health Data Analytics*

Christo El Morr, York University, Canada

*ICT-Based Interventions for Women Experiencing Intimate Partner Violence: Research Needs in Usability and Mental Health*

Christo El Morr, York University, Canada

*Applying the Behavior Change Technique Taxonomy to Mobile Health Applications: A Protocol*

Ashley Garnett, University of Victoria, Canada

*Data Profiling in Support of Entity Resolution of Multi-institutional EHR Data*

Maryam Garza, University of Arkansas, USA

*eSource for Standardized Health Information Exchange in Clinical Research: A Systematic Review*

Maryam Garza, University of Arkansas, USA

*Cancer Phenotype Development: A Literature Review*

Maryam Garza, University of Arkansas, USA

*Development of Data Validation Rules for Therapeutic Area Standards Data Elements to Improve the Quality of FDA Submissions*

Maryam Garza, University of Arkansas, USA

*Effects of Telenursing Triage and Advice on Healthcare Costs and Resource Use*

Hanne Gidora, Provincial Health Services Authority, Canada

*Use of Agile Project Methodology in Health Care IT Implementations: A Scoping Review*

Rav Goodison, University of Victoria, Canada

*Surgeon and Assistant Point of View Simultaneous Video Recording*

Adrian Gooi, University of Manitoba, Canada

*Effectiveness of e-learning in a Medical School 2.0 model: Comparison of Item Analysis for Student-Generated vs. Faculty-Generated Multiple-Choice Questions*

Adrian Gooi, University of Manitoba, Canada

*Using Simulation Technology to Improve Patient Safety in Airway Management by Practicing Otolaryngologists*

Adrian Gooi, University of Manitoba, Canada

*Ghosts in the Machine: Identifying the Digital Health Information Workforce*

Kathleen Gray, University of Melbourne, Australia

*The Value of Patient-Peer Support in Improving Hospital Safety*

Shefali Haldar, University of Washington, USA

*An Informatics Framework for Maternal and Child Health (MCH) Monitoring*

Juan Henao, Harvard Medical School, USA

*The Use of Head-worn Augmented Reality Displays in Health Communications*

Kenny Hong, University of Manitoba, Canada

*Using a Markov Chain Model to Analyze the Relationship Between Avoidable Days and Critical Care Capacity*

Darren Hudson, University of Alberta, Canada

*Using Digital Health to Support Best Practices: Impact of MRI Ordering Guidelines Embedded Within an Electronic Referral Solution*

Lori-Anne Huebner, The eHealth Centre of Excellence, Canada

*Factors Affecting Adherence with Telerehabilitation in Patients with Multiple Sclerosis*

In cheol Jeong, Icahn School of Medicine at Mount Sinai, USA

*Encouraging the Use of eHealth Services: A Survey of Patients' Experiences*

Johanna Kaipio, Aalto University, Finland

*Development of the Patient Experience Questionnaire for Parents of Pediatric Patients (PEQP)*

Johanna Kaipio, Aalto University, Finland

*Physicians' Experiences on EHR Usability: A Time Series from 2010, 2014 and 2017*

Johanna Kaipio, Aalto University, Finland

*Design for a Canadian Digital Health Policy & Practices Observatory*

Karim Keshavjee, University of Toronto, Canada

*Patient Empowerment: The Role of Technology*

Karim Keshavjee, University of Toronto, Canada

*Canadian Validation of German Medical Emergency Datasets*

Josh Kocerginski, University of British Columbia, Canada

*Healthcare Data Are Remarkably Vulnerable To Hacking: Connected Healthcare Delivery Increases The Risks*

Ross Koppel, University of Pennsylvania, USA

*Updated Mapping of Telemedicine Projects in Denmark*

Mie Kristensen, MedCom, Denmark

*A Hadoop/MapReduce Based Platform for Supporting Health Big Data Analytics*

Alex Kuo, University of Victoria, Canada

*Development of a Video Coding Scheme Focused on Socio-technical Aspects of Human-computer Interaction in Healthcare*

Andre Kushniruk, University of Victoria, Canada

*Approaches to Demonstrating the Effectiveness and Impact of Usability Testing in Healthcare Information Technology*

Andre Kushniruk, University of Victoria, Canada

*Digital Process Innovation for Patient Centred Cancer Symptom Management*

Craig Kuziemsky, University of Ottawa, Canada

*Tools for Engaging Patients on Patient Platforms*

Claudia Lai, University of Toronto, Canada

*Applying the Effective Technology Use Model to Implementation of Electronic Consult Management Software*

Blake Lesselroth, University of Oklahoma, USA

*System Dynamics in Remote Monitoring Service for Cardiovascular Implantable Electronic Devices*

Lisa Leung, University of Victoria, Canada

*Improving Access to Healthcare with On-line Medical Appointment System*

Winnie Leung, Information Systems, Australia

*Patient and Family Member Readiness, Needs, and Perceptions of a Mental Health Patient Portal: A Mixed Methods Study*

Kevin Leung, Centre for Addiction and Mental Health, Canada

*Smart Homes for Healthcare*

Zhirui Li, University of Victoria, Canada

*Data Migration from Operating EMRs to OpenEMR with Mirth Connect*

Jing Lin, University of British Columbia, Canada

*Developing a Preliminary Conceptual Framework in Knowledge Translation and Health Information Technology for Transparency in Policy-Making (the KhITT framework)*

Anastasia Mallidou, University of Victoria, Canada

*Modelling Keyword Search Strategy: Analysis of Pharmacovigilance Specialists' Search of MedDRA Terms*

Romarc Marcilly, Lille University, France

*Uncovering the Mysteries of Electronic Medication Reconciliation*

Kristina McDonald, Island Health, Canada

*Electronic Physician Profiles: Developing an Interactive Web-based Report for Physicians at Island Health*

Lisa McEwen, Island Health, Canada

*Putting Guidelines in the Hands of Patients: A Heuristic Evaluation of a Consumer Mobile Application*

Helen Monkman, University of Victoria, Canada

*“Real-world” De-identification of High-dimensional Transactional Health Datasets*

Kenneth Moselle, Island Health, Canada

*Challenges in Displaying Health Data on Small Smartwatch Screens*

Ali Neshati, University of Manitoba, Canada

*Evaluative Outcomes in Direct Extraction and Use of EHR Data in Clinical Trials*

Amy Nordo, Pfizer, USA

*Designing Health Information for Mutual Empowerment in the Joint Journey of Patients and Healthcare Professionals*

Avi Parush, Israel Institute of Technology, Israel

*A Qualitative Evidence Synthesis of Adverse Event Detection Methodologies*

Melody Penning, UAMS College of Medicine, USA

*A Usability Evaluation of the InfoSAGE App for Family-Based Medication Management*

Yuri Quintana, Harvard Medical School, USA

*Realizing Quality & Experience Benefits through EHR Adoption & Use: A Conceptual Model*

Gurprit Randhawa, Island Health, Canada

*Development of an Interprofessional Educational Electronic Health Record*

Glynda Rees, British Columbia Institute of Technology (BCIT), Canada

*Next Generation EHRs – What Problems are these Systems Aiming to Solve?*

Thomas Schmidt, University of Southern Denmark, Denmark

*The eHealth Trust Model: A Patient Privacy Research Framework*

Nelson Shen, University of Toronto, Canada

*Simulation of eHealth Scenarios with Role-play Supported by an Interactive Smartphone Application*

Berglind Smaradottir, University of Agder, Norway

*Evaluation of Technology Use in an Inter-disciplinary Patient-centered Health Care Team*

Berglind Smaradottir, University of Agder, Norway

*Towards a Clinical Analytics Adoption Maturity Framework for Primary Care*

Jean-Philippe Stoldt, University of Victoria, Canada

*From Siloed Applications to National Digital Health Ecosystems: A Strategic Perspective for African Countries*

Karl Stroetmann, empirica Communications & Technology Research, Germany

*Guiding Improvements in User Experience: Results of a Mental Health Patient Portal User Interface Assessment*

Gillian Strudwick, University of Toronto, Canada

*Privacy and Policy Implications for Big Data and Health Information Technology for Patients: A Historical and Legal Analysis*

Vidhi Thakkar, University of Toronto, Canada

*Describing Telenurses’ Decision Making Using Clinical Decision Support: Influential Factors Identified*

Danica Tuden, University of Victoria, Canada

*Usability Analysis of Contending Electronic Health Record Systems*

Mari Tyllinen, Aalto University, Finland

*Smart Home Interactions for People with Reduced Hand Mobility Using Subtle EMG-signal Gestures*

Yurii Vasylykiv, University of Manitoba, Canada

*Strategies in Electronic Medical Record Downtime Planning: A Scoping Study*

Joe Walsh, University of Victoria, Canada

*Design and Usability Evaluation of Mobile Cloud Healthcare System for Diabetes Prevention*

Shu Lin Wang, National Taichung University of Science and Technology, Taiwan

*Analysis of Anesthesia Screens for Rule-based Data Quality Assessment Opportunities*

Zhan Wang, University of Arkansas, USA

*Rule-Based Data Quality Assessment and Monitoring System in Healthcare Facilities*

Zhan Wang, University of Arkansas, USA

*EHR Usage Problems: A Preliminary Study*

Clément Wawrzyniak, Lille University, France

*Adoption Strategies for Electronic Patient Portals: Employing Advanced Data Mining and Analytics*

David Wiljer, University Health Network, Canada

*Thought Spot: Embedding Usability Testing into the Development Cycle*

David Wiljer, University Health Network, Canada

*Nursing Informaticians Address Patient Safety to Improve Usability of Health Information Technologies*

Amy Williams, Island Health, Canada

*Assessing the Alignment of Objectives, Instructional Activities, and Assessments in a Biomedical Informatics Curriculum*

Tremaine Williams, University of Arkansas for Medical Sciences,, USA

*Towards a Framework for Health Information Systems-induced Error: A Socio-technical and Lean Approach*

Maryati Yusof, National University of Malaysia, Malaysia

*Applying a Pneumatic Interface to Intervene with Rapid Eating Behaviour*

Zuoyi Zhang, University of Manitoba, Canada

*An Ontology Approach for Knowledge Representation of ECG Data*

Nicoleta Zouri, Ryerson University, Canada

*Training as an Intervention to Decrease Medical Record Abstraction Errors Multicenter Studies*

Meredith Zozus, UAMS College of Medicine, USA