Panels Tuesday, June 28th, 2016

1. Strategies for Leveraging Interoperable Health Information Exchange Systems among Healthcare Communities

1.1. Gregory L. Alexander, Joyce Sensmeier, Joe McDonald, William Goossen, and Mary M. Alexander

Abstract: The panel will share international Health Information Exchange (HIE) projects to improve quality and lower costs in healthcare communities (i.e. hospitals, clinician practices, and aged care facilities). HIE allows healthcare professionals and patients to appropriately access and securely share a patient’s vital medical information electronically within and across organizations. Intended audience: Researchers, consumers, practitioners, vendors, care providers, and policy makers with interests in technology design, development, implementation, and management, particularly focused on HIE.

Keywords: Health systems, Health Information Exchange, Health Information Technology, Patient Care, Electronic Health Records

2. 20 years on, HON pursues its commitment to information you can trust

2.1. Pr Antoine Geissbühler, Dr Célia Byoer

Abstract: In 1996, at the beginning of the World Wide Web, a group of health specialists anticipated the need for trustworthy health information online. Thus the Health On the Net Foundation (HON) was born. HON was created to promote the deployment of useful and reliable health information online and to enable its appropriate and efficient use. Two decades on, HON is the oldest and most valued quality marker for health information online. For a number of years under the guidance of the late Jean-Raoul Scherrer, the foundation has established its reputation through dynamic measures, innovative endeavors and a dedication to upholding key values and goals. This panel discussion provides an overview of the HON Foundation, its activities, challenges and achievements over the years.

Keywords: quality standard, ethics, e-health, health information technology, certification
3. Harmonising ICNP and SNOMED CT: a model for effective collaboration

3.1. Dr Nicholas R. Hardiker; Jane Millar; Dr Tae Youn Kim; Dr Kay Jansen; Zac Whitewood-Moores.

Abstract: The purpose of this panel was to demonstrate an approach to collaborative working within nursing and health informatics. The panel took as an example an initiative to harmonise between two large-scale terminologies, namely the International Classification for Nursing Practice (ICNP) and SNOMED Clinical Terms (SNOMED CT). A number of practical topics were framed within a context of collaboration, including semi-automated and manual approaches to mapping, consensus working, clinical validation, formal concept modelling, etc. Those attending the panel, nurses and informatics professional alike, came away with an increased understanding of a range of approaches to collaborative working within nursing and health informatics.

Keywords: Collaboration, standards, terminologies, harmonization, mapping

4. Milestones and Experiences of Standardized Documentation

4.1. Dr Kaija Saranto, Dr Virginia Saba, Dr Patricia Dykes, Dr Ulla-Mari Kinnunen, Minna Mykkänen

Abstract: The purpose of this panel is to discuss milestones and experiences of a standardized nursing terminology for the documentation of nursing practice using Clinical Care Classification as an example. The aim is to describe the value of using the CCC as the standardized nursing terminology and framework for the multidisciplinary care plans and how its interoperability with SNOMED CT, LOINC, and other required terminologies can be used for the electronic health record systems. Further the aim is to discuss the advantages a multidisciplinary documentation system and how it impacts on nursing practice, management, and research as well as highlight the monitoring of nursing documentation. The target audience will enrich their understanding about the possibilities that a standardized multidisciplinary documentation is critical for future data analyses and datamining highlighting nursing practices.

Keywords: Standards, Documentation, Nursing, Clinical Care Classification Syste
5. Health Informatics competencies, workforce and the DNP: Why connect these ‘dots’?

5.1. Dr Marge Benham-Hutchins; Dr Juliana J. Brixey; Dr William Scott Erdley; Kay Sackett Fitzgerald; Angela M. Ross.

Abstract: This panel will provide the perspectives of nurse informatics experts on the development of informatics education integrating health information technology (HIT) and immersive simulation. The panel will also address student and provider access to the electronic health record (EHR) for educational purposes. This panel examines the education and preparation of students and practicing nurses to meaningfully use EHRs. The target audience is clinicians, educators, trainers, students and those interested in the meaningful use of EHRs and achievement of the Informatics competencies defined by AACN and TIGER.

Keywords: Electronic health records (EHRs), simulation, ethics, nursing education, health informatics education, doctor of nursing practice (DNP)

6. Urgent Call for Nursing Big Data

6.1. Joyce Sensmeier; Dr Roy L. Simpson; Dr Bonnie L. Westra; Lisiane Pruinelli; Dr Asta Thoroddsen

Abstract: The purpose of this panel is to expand internationally a National Action Plan for sharable and comparable nursing data for quality improvement and big data science. There is an urgent need to assure that nursing has sharable and comparable data for quality improvement and big data science. A national collaborative – Nursing Knowledge and Big Data Science includes multi-stakeholder groups focused on a National Action Plan toward implementing and using sharable and comparable nursing big data. Panelists will share accomplishments and future plans with an eye toward international collaboration. This presentation is suitable for any audience attending the NI2016 conference.

Keywords: Standardized nursing data, big data, data science, big data, data science, workflow processes, health policy, nursing informatics
7. A Faculty Peer Network for Integrating Consumer Health Solutions in Nursing Education: Contextual Influences and Perspectives

7.1. Dr Elizabeth Borycki; Dr Karen Furlong; Dr Manal Kleib; Dr Lynn Nagle

Abstract: The Canadian Association of Schools of Nursing and Canada Health Infoway recently launched a national project to facilitate the integration of digital and consumer health solutions into undergraduate nursing programs across Canada. Led by eleven nursing faculty members with expertise in informatics, the Digital Health Nursing Faculty Peer Network provided a forum for mentorship and support to other nursing faculty (72) across Canada and facilitated the development of a number of strategies to advance the incorporation of digital health content into undergraduate nursing curricula (e.g., the creation of a Faculty Toolkit for teaching Consumer Health Solutions). In this panel presentation, contextual and regional influences as well as specific perspectives related to the experience of each of the panelists within the Faculty Peer Network project will be outlined and discussed.

Keywords. Nursing education; consumer health; digital health; peer network; nursing informatics competencies

8. Nursing Informatics Competencies for Emerging Professionals: International Leaders Panel

8.1. Dr Patricia Flatley Brennan; Dr Roy Simpson; Dr Polun Chang; Dr Maxim Topaz;

Abstract: To achieve a cursory review of the competencies necessary for acquire a successful career in a competitive job market, the panel will bring together leaders from renowned academic, successful health corporations, and international leaders in nursing informatics to the table for discussion, dialogue, and make recommendations. Panelists will reflect on their experiences within the different types of informatics organizations and present some of the current challenges when educating skillful professionals. The panel will provide personal experiences, thoughts, and advice on the competencies development in nursing informatics from their lens.

Keywords: Nursing informatics, Competencies, Leadership, Academia, Industry, Education
9. Reducing Technology-induced errors: Organizational and Health Systems Approaches

9.1. Dr Elizabeth M. Borycki, Dr Yalini Senthriajah, Dr Andre W. Kushniruk, Sari Palojoki, Dr Kaija Saranto, Dr Hiroshi Takeda

Abstract: Technology-induced errors are a growing concern for health care organizations. Such errors arise from the interaction between healthcare and information technology deployed in complex settings and contexts. As the number of health information technologies that are used to provide patient care rises so will the need to develop ways to improve the quality and safety of the technology that we use. The objective of the panel is to describe varying approaches to improving software safety from an organizational and health systems perspective. We define what a technology-induced error is. Then, we discuss how software design and testing can be used to improve health information technologies. This discussion is followed by work in the area of monitoring and reporting at a health district and national level. Lastly, we draw on the quality, safety and resilience literature. The target audience for this work are nursing and health informatics researchers, practitioners, administrators, policy makers and students.

Keywords: Technology induced errors, patient safety, monitoring, quality improvement, software quality


10.1. Dr Sarah Collins; Dr Yalini Senathirajah; Dr Sarah Iribarren; Dr Sunmoon Yoon; Dr Dawn Dowding

Abstract: Clinicians currently use electronic health records (EHR) which have often not been designed with the user in mind. Participatory design requires a thorough evaluation of the system using mixed methods. When different methods yield conflicting results, synthesis is challenging. This panel will present four cases of triangulation approaches to evaluate EHR usability and usage in multiple institutions. The audience will have a better idea how to triangulate results from multiple innovative methods such as the use of eye-tracking techniques and mixed methods approaches to evaluation.
11. Engaging Nurses in the Design and Adoption of mHealth Tools for Care Coordination

11.1. Judy Murphy; Susan Hull; Dr Olivia Velez; Dr Robin Austin

Abstract: This panel will share ideas for the Nursing Informatics Specialists in the audience on how mHealth tools are being designed and used for clinical practice, education and research. They will describe specific mHealth projects they are involved in, give practical examples, and provide tangible tactics for nurses to make a difference. They will provide insight into new technology and standards developments that make it easy to connect the mobile app ecosystem - from open application program interfaces (APIs), to traditional health information technology tools like Electronic Health Records (EHRs).

Keywords: mHealth, Mobile Health, Mobile Technology, Care Coordination, Clinical Decision Support, Workflow