The New TIGER Initiative: New TIGER Activities, a Renewed VLE, and future plans

Marisa L Wilson, Polun Chang, Marion Ball, Diane Skiba, Heimar Marin, Ursula Huebner

Abstract and Objective
This half-day workshop will describe the TIGER journey, its evolution and accomplishments nationally and internationally, and its re-visioned future. Included will be the expansion into the interdisciplinary and international informatics competency space for direct care providers. Highlighted will be a demonstration of the powerful learning platform of the TIGER VLE recreated with a new vision and layout as a source for informatics competency education support. Described will be opportunities for engagement in all current TIGER Activities and future plans.

Keywords: informatics education, informatics competencies, framework, interdisciplinary

Workshop description
The TIGER Initiative, an acronym for Technology Guiding Education Reform was founded in 2004 to develop a shared vision, strategies, and specific actions for improving nursing practice, education, and the delivery of patient care through the use of health information technology. It has emerged as a grass roots effort in the 2006 U.S. to allow informatics tools, principles, theories and practices to be used by interdisciplinary providers and consumers; interweave enabling technologies into practice, education and research to improve outcomes, patient safety and reduce costs; and prepare workforce to use technology and informatics for improvement of patient care. This session will describe the TIGER journey, its evolution and accomplishments nationally and internationally. Highlighted will be a demonstration of the powerful learning platform of the TIGER VLE, our Leadership report with opportunities for engagement in all current TIGER Activities and future plans.

Proposed Objectives:
- Assess the Knowledge to Action Framework as an operational layout for the VLE.
- Examine International and U.S. state-level emerging TIGER Initiative organizations as models for future expansion of the TIGER Initiative in other international communities.
- Engage as a future TIGER in educational, inter-professional, and virtual learning opportunities in the TIGER Initiative Foundation.

Workshop/Symposium Agenda and Speakers:
- Background and History: Marion Ball (20 minutes)
  1. TIGER Initiative Purpose and Vision
  2. TIGER Phases I, II and III:
- TIGER -HIMSS: Diane Skiba (20 minutes)
  1. Educational Competencies related to Content
  2. Inter-professional Collaboration and Progress (Nutrition, Physical Therapy, Wound Care, Palliative Care, International Programs)
- TIGER Open Door at USUHS
- TIGER World Wide (30 minutes)
  1. Brazilian TIGER: Heimar Marin
  2. Taiwan TIGER: Polun Chang
  3. Germany Experiences: Ursula Huebner
- TIGER Next Steps Strategies and engagement: Marion Ball and Marisa Wilson (30 minutes)
  1. Virtual Learning Environment introduction
  2. Competency harmonization process and results
  3. Knowledge to Action framework
  4. Potential Use Cases - VLE
  5. Directions for The TIGER Initiative Foundation
  6. Future VLE plans for expansion internationally
  7. Process for Engagement/contribution with TIGER VLE and
  8. Engaging/becoming a TIGER: Volunteering for future TIGER initiatives.

Attendees’ participation: Knowing the resources available, the potential participation we expect to stimulate participants to become involved with the initiative and discuss options for future steps. (30 minutes).
Educational Goals:
At the end of this workshop, attendees should:
- Have an understanding of the TIGER initiative and its development, with a move toward inter-professional expansion
- Appreciate the significant role of clinicians in health care delivery and thus of their role in applied e-health at the patient level
- Recognize the importance of focused and robust education and training of nurses and allied health professionals in health informatics applications, their importance, and critical factors for success
- Know of the TIGER VLE resource, and be aware of how it might contribute in their health system environment
- Be able to contribute to the discussions on future development of the TIGER initiative as it spreads globally
- Describe and understand the need for Health informatics training for the healthcare provider, this also includes understanding of basic structure, organization and educational changes needed to transform the curriculum
- Identify key stakeholders in the healthcare arena and their roles and responsibilities in supporting the healthcare IT framework in existence today schools of nursing and other health care training arenas
- Explain the role of healthcare IT in improved patient care, quality outcomes and efficiency and give examples of technology enablement successes as described by the TIGER initiative.

Those interested in learning and fine tuning an understanding about healthcare IT from a practical sense.
Faculty or educators responsible for Informatics content and competency development.
Interdisciplinary informatics students requiring additional guidance.
Policy makers, senior nurses, health informatics educationalists, and those considering the implementation of patient-facing and patient-based health informatics applications.

Level: Introductory and Intermediate

Workshop Leader:

Marisa L Wilson DNSc MHSc CPHIMS RN-BC
Associate Professor and Director Nursing Informatics
University of Alabama Birmingham, Birmingham, Alabama USA

Workshop speakers:

Marion Ball, Ed D, FACMI,FAAN, FHIMSS, FCHIME
Senior Advisor, Healthcare and Life Sciences Institute IBM research and Affiliate Professor Division of Health Sciences Informatics, Johns Hopkins University, Baltimore, MD, USA

Heimar Marin, RN, Ph.D, FACMI

Professor and Director, Graduate Program in Economics and Health Informatics, Universidade Federal de São Paulo, Brazil; Vice-President of the Brazilian Health Informatics Society.

Polun Chang, PhD
Director, Integrated Health Research Center; Professor, Institute of Biomedical Informatics, School of Medicine, National Yang-Ming University, Taipei, Taiwan/ROC; Founder and Consultant, Taiwan Nursing Informatics Association; Consultant, Nursing Informatics Working Group, China Medical Informatics Association

Ursula Huebner, PhD
Research Professor Medical and Health Informatics and Quantitative Methods University of Applied Sciences Osnabrück Germany and Chair of the Joint Commission for Medical Informatics of the GMDS and GI

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