University of Victoria | Health Information Science

Happy Nursing Week to Our Nursing Informatics Colleagues!

Comment from the Director:

Congratulations to our nurses Cherry Cheng and Kelly Davison for their accomplishments, awards, and fellowships, and to every nurse for all their meaningful work! Also, congratulations to Dr. Elizabeth Borycki for her keynote presentation at the CNIA (Canadian Nursing Informatics Association) annual conference. HINF would like to celebrate nursing and nursing informatics, as nurses are so important to us all!

News and Events

Information Sessions

Health Information Science Virtual Education & Career Fair

Thank you to those who attended the recent HINF education and career fair. We met many high school and undergraduate students who are interested in health informatics education and careers. Please stay tuned for future career events!

Mini Conference

Health Terminology Standards

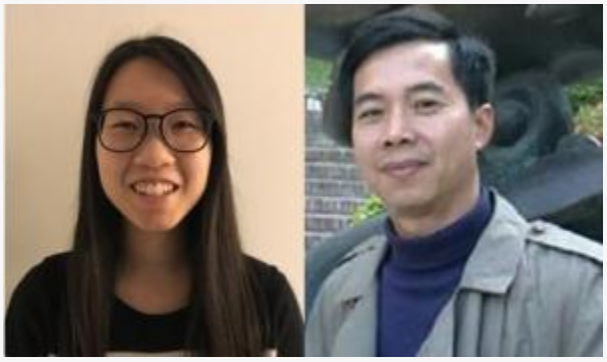
Join us for this virtual mini-conference on Social Determinants of Health Data Standards,
May 19th @ 9AM-12PM PST
Read more

Seminars

Seminar Series

Join us for our seminar with speaker Heather Leslie on OpenEHR - The Anatomy of Health Data, May 27th @ 5PM PST
Read more

News, Awards and Recognitions



Congratulations!

Cherry Cheng and **Dr. Alex Kuo** receive the Best Student Paper Award at the 2020 ICIMTH for research using neural network machine learning to proactively address the emergency department overcrowding problem.
Learn more about their research.

Congratulations!

Kelly Davison received the AGE-WELL NCE Inc. Indigenous Scholar in Technology and Aging Fellowship. The research is an umbrella review of the effectiveness of virtual care interventions for community-dwelling older adults. Indigenous evidence will be included in the review so that implementer of virtual care interventions and decision makers have a more well-rounded view of what people and communities find effective.

Research in the News!

Dr. Abdul Roudsari is working with Norwegian Centre for E-Health Research on The Valkyrie project which is a distributed service-oriented architecture for coordinated healthcare services for persons with mental disorders. This is a research project that is aiming to develop a technical prototype of an architecture to promote health services coordination.

Faculty Presentations

Borycki, E. Keynote presentation at the Canadian Nursing Informatics Conference on May 12th, 2020 at 8 am pst on the "Role of Nursing Informatics in a Post -COVID World: Towards Safe, Effective and Efficient Virtual Care" https://cnia.ca/conference-schdedule

Faculty and Student Publications

Consumer Informatics and eHealth Literacy

Monkman H, **Kushniruk A**, **Borycki E**, Sheets D, **Barnett J**, Nøhr C. The Medium Is the Message: How Do Canadian University Students Want Digital Medication Information? Life (Basel). 2020 Dec 10;10(12):339. https://doi.org/10.3390/life10120339

Monkman H, **Kushniruk AW**, **Borycki EM**, Sheets DJ, **Barnett J**. Differences in Memory, Perceptions, and Preferences of Multimedia Consumer Medication Information: Experimental Performance and Self-Report Study. JMIR Hum Factors. 2020 Dec 1;7(4):e15913. https://doi.org/10.2196/15913

Data Science and Artificial Intelligence

Cheng N., **Kuo MH**. Using Long Short-Term Memory (LSTM) Neural Networks to Predict Emergency Department Wait Time. Medical Informatics Europe 2020 (MIE2020), Geneva, Switzerland, April 28-May 1, 2020.

Digital Health Strategy and Policy

Mallidou A, Dordunoo D, **Borycki E**, **Kushniruk A**, Sadeghi-Yekta K, Fraser J, Asuri S. Perspectives and Experiences of Policy Makers, Researchers, Health Information Technology Professionals, and the Public on Evidence-Based Health Policies: Protocol for a Qualitative Study. JMIR Res Protoc. 2020 Dec 17;9(12):e16268. https://doi.org/10.2196/16268

Implementation Science and Technology

Viner G, **Monkman H**, **Kushniruk A**, Archibald D. Extending Large-scale Electronic Health Records to Canadian family physicians: Perspectives from a Clinical Trainer. Can Fam Physician. 2020 Nov;66(11):799-801.

Journey Mapping, Modeling and Simulation

Borycki EM, **Kushniruk AW**, **Wagner E**, Kletke R. Patient Journey Mapping: Integrating Digital Technologies into the Journey. Knowledge Management & E-Learning: An International Journal, 521-535. https://doi.org/10.34105/j.kmel.2020.12.029

Kushniruk AW, & Parush A. Editorial: Visualizing User Experience and Stories: From Customer Journeys to Patient Experience Mapping. Knowledge Management & E-Learning: An International Journal, 380-386. https://doi.org/10.34105/j.kmel.2020.12.020

Park H, **Monkman H**, Wenger A, Lesselroth B. Portrait of MS. diaz: Empirical Study of Patient Journey MAPPING Instruction for Medical Professional Students. Knowledge Management & E-Learning: An International Journal, 469-487. https://doi.org/10.34105/j.kmel.2020.12.026

mHealth and Telehealth

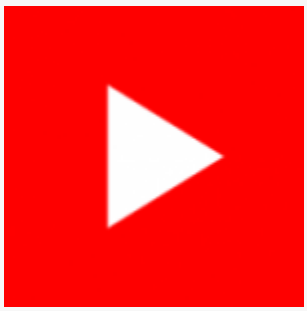
Aggarwal M, **Borycki EM**, **Wagner E**, **Gosselin K**. The Current State of Knowledge on Mobile Health Interventions for Opioid Related Harm: Integrating Scoping Review Findings with the Patient Journey. Knowledge Management & E-Learning: An International Journal, 448-468. https://doi.org/10.34105/j.kmel.2020.12.025

Monkman H, **Kushniruk AW**, **Borycki EM**, Sheets D, **Barnett J**, Park H. Opportunities for Improving How and When Canadians are Informed About New Prescription Medications. Knowledge Management & E-Learning: An International Journal, 427-447. https://doi.org/10.34105/j.kmel.2020.12.024

Safety Science

Walsh JM, **Borycki EM**, **Kushnriuk AW.** The Effects of Electronic Medical Record Downtime on Patient Safety and Care, Downtime Mitigation and Downtime Planning. International Journal of Extreme Automation and Connectvity in Healthcare. 2020, 2(1), e2577-4808 https://doi.org/10.4018/ijeach.2020010110

Professional Development



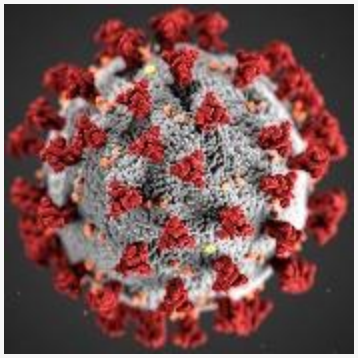
Modernizing Gender, Sex and Sexual Orientation Information Practices in Canadian Electronic Health Record Systems by **Dr. Francis Lau**

The Human Factors of AI in Healthcare: Where are we now and where are we going? by **Dr. Andre Kushniruk**

Hospital at Home: From Inception to Implementaion and Beyond by **Dr. Sean Spina**

To Learn More

Books, Toolkits and Tools



Chrimes D. (2021). Medical Expert System Demos at Visirule.co.uk. Stratified Decision-Tree of Severe COVID-19 Cases with Comorbidities and Body System. https://www.visirule.co.uk/medical-demos

Househ, M., **Kushniruk, A. W.**, &; **Borycki, E. M.** (2019). Big Data, Big Challenges: A Healthcare Perspective Background, Issues, Solutions and Research Directions. Cham: Springer International Publishing.

Experimental Learning and Co-op

Co-op Hiring Fall 2021

The Fall 2021 Co-op hiring process has started. The School of Health Information Science will have 75 students available for September to December 2021 work placements. Health Information Science co-op students have diverse skills to make a difference in your workplace. Our students are trained to assist with workflows, data analysis, databases, reporting, IT training, and more!

4 easy steps to hiring: https://lnkd.in/eFAs_QS

Ready to hire or have questions?
Contact Jason Bond at the Co-op office: hiscoop@uvic.ca

BioTalent™ Canada

Co-op Funding Opportunities

Co-op Funding Update: BioTalent
The Federal government's Student Work Placement Program (SWPP) provides up to 50% of the student's wages (to a maximum of $5,000) or 70% (to a maximum of $7,000) for students from underrepresented groups which includes female STEM students, first year students, indigenous students, student with a disability, visible minorities and newcomers to Canada.

SWPP has 12 funding partners who deliver the funding across Canada based on industry sector. Each funding partner has different application processes and there are some slight differences in criteria.

- Consider applying to BioTalent Canada

Employers, uncertain if your job qualifies? Contact Colleen at 1-866-243-2472, ext. 218 or askme@biotalent.ca

- You have to apply for the funding before the student starts their job.
- Multiple grants are possible eg. Hire two students and receive two grants.
- Student eligibility: This Federal program is only available to students who are Canadian citizens, Permanent Residents or students who have refugee status. International students are not eligible for this funding.

Employers have told us that the application process takes 15-20 minutes to complete. Grants are allocated on a first-come, first-served basis so you are encouraged to apply as soon as possible. Should you not find a suitable student for your position, simply inform the funding partner that you do not need the grant.

Educational Program Deadlines

Health Terminology Standards Graduate Certificate

Apply by June 1st 2021 for September 2021 entry
Read more and Apply Now

Undergraduate Degree Admission

Learn more about:

- BSc in Health Information Science
- BSc in Health Information Science and Computer Science

Apply by September 31st 2021 for January 2022 entry
Read more and Apply Now

Graduate Degree Admission

Learn more about:

- MSc in Health Informatics
- Master of Nursing and MSc in Health Informatics
- PhD in Health Informatics

Apply by December 1st 2021 for September 2022 entry
Read more and Apply Now

Donors

Paulette Lacroix Nursing Informatics Leadership Scholarship

Paulette Lacroix created a scholarship to support academically outstanding graduate students who are nurses entering or currently in the school of Health Information Science or the double degree School of Health Information Science/School of Nursing graduate program.
Apply here and Learn more

Scholarships and Awards

Apply Now!

If you require financial aid, consider applying for the Health Information Science undergraduate and graduate awards and scholarships.

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