



University  
of Victoria

Health Information  
Science

Issue 15: 30/05/2022



The spring term is coming to an end and summer is finally here. Its great to see that we will have a record number of HINF students who will be graduating in June. In this issue we highlight a number of new awards and recognitions along with some new publications by HINF faculty and students. We hope you have a great summer!

- **Andre Kushniruk**, Director and Professor of the School of Health Information Science

## News and Events



Join us online for the **Health Terminology Standards** Seminar Series. The seminars are delivered in real-time via Zoom 5-6PM PST every Thursday beginning June 2. [Learn More](#).

To join each session:

<https://uvic.zoom.us/j/83940132585?pwd=UE9SbTQzbHZFTzREaHRVdm8zT3BQZz09>



The **Visual and Automated Disease Analytics (VADA)** graduate training program is a joint initiative between the University of Manitoba and University of Victoria. The VADA Program is training the next generation of health informatics and computational science graduate students to translate complex health data into insights that can be used to improve the health of populations and support health professional decision making. The School of Health Information Science at the University of Victoria is hosting the VADA Summer School. Stay tuned for opportunities to attend sessions and workshops.

## **Welcome Jenna Dobson to the HINF Administrative team!**



**Jenna Dobson** is a recent graduate from UVic in April 2021 from the Applied Linguistics program and is currently working towards her professional editing certification. She has experience working in a small walk-in clinic in James Bay and truly values the importance of the healthcare systems and providers. She will be providing administrative support for the school's undergraduate and graduate programs.

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## **Awards and Recognitions**



**Dr. Karen Courtney** has been selected as a co-lead for the newly established **Digital Health Research Cluster in the Institute for Aging and Lifelong Health (IALH)**. In this cluster, researchers from across campus explore the use of technology in health. Topic areas include, but are not limited to: mHealth, health informatics, health technologies, and the use of assistive devices. For more information on how to join IALH, see: <https://www.uvic.ca/research/centres/aging/about/our-people/index.php>



**Dr. Dillon Chrimes** received funding from the UVic Learning and Teaching Support and Innovation (LTSI) for Course Design/Redesign. His research focuses on **updating eICU dashboard via Tableau and PowerBI**, as well as other public use files and datasets for course exercises in undergraduate classes.



Island Health HaH (**Hospital at Home**) has received the CCHL 2022 **Excellence in Patient Experience Award**. There will be a virtual Honouring Health Leadership event, featuring the recipients of the 2022 CCHL National Awards Program, to be held online on June 16, 2022 (2 pm to 3:30 pm Pacific time). The research was lead by Dr. Sean Spina, Adjunct in the School of Health Information Science, and **Dr. Borycki** and **Dr. Kushniruk** were part of the team



**Congratulations to our recent Jamie Cassels Undergraduate Research Award (JCURA) Recipients!**

**Jenny Yu and Dr. Helen Monkman** are exploring **Canadians Who Are Aged 50 or Older Attitudes Towards, Experiences Using, Preferences, and Perceived Barriers around Telemedicine and It's use.**

For more information see their presentation

video: [https://www.youtube.com/watch?v=Cvr8tQzjICg&ab\\_channel=SchoolofHealthInformationScience%2CUVic](https://www.youtube.com/watch?v=Cvr8tQzjICg&ab_channel=SchoolofHealthInformationScience%2CUVic)

**Roz Queen and Dr. Karen Courtney** are investigating **Stakeholders Wants and Needs Concerning Modernizing Gender, Sex, and Sexual Orientation within Canadian Digital Health Systems.** These stakeholders include but are not limited to: 2SLGBTQIA+ communities, healthcare professionals, vendors, health standard organizations, community-based organizations, patients and their families. Such development knowledge will support implementation guides.

For more information see their presentation

video: [https://www.youtube.com/watch?v=LPF3a6BmBg&ab\\_channel=SchoolofHealthInformationScience%2CUVic](https://www.youtube.com/watch?v=LPF3a6BmBg&ab_channel=SchoolofHealthInformationScience%2CUVic)

# Faculty and Student Publications



## Electronic Medical Records

**Davy, A., Borycki, E. M.** (2021). Copy and paste in the electronic medical record: A scoping review. *Knowledge Management and eLearning*, 13(4) 522-535. <https://www.kmel-journal.org/ojs/index.php/online-publication/article/view/494>

**Shah, L. M., Borycki, E. M., Shah, J. A., Kushniruk, A. W.** (2021). Effects of medical scribes on patients, physicians, and safety: A scoping review. *Knowledge Management & E-Learning*, 13(4), 559-629. <https://doi.org/10.34105/j.kmel.2021.13.030>

## ePrescribing and Computerized Order Entry

**Farghali, A., Borycki, E. M., Macdonald, S.** (2021). Pharmacists' Perception of the Impact of Electronic Prescribing on Medication Errors and Productivity in Community Pharmacies. *Knowledge Management and eLearning*, 13(4) 536-558. <https://doi.org/10.34105/j.kmel.2021.13.029>

**Keenan, R., Borycki, E. M., Kushniruk, A.W.** (2021). Computerized provider order entry and patient safety: A scoping review. *Knowledge Management and eLearning*, 13(4) 452-456. <https://doi.org/10.34105/j.kmel.2021.13.025>

## Decision Support Systems, Data Science, and Artificial Intelligence

**Joseph, A. L., Borycki, E. M., Kushniruk, A. W.** (2021). Alert fatigue and errors caused by technology. *Knowledge Management and eLearning*, 13(4) 500-521. <https://doi.org/10.34105/j.kmel.2021.13.027>

**Li, Y., Shyr, C., Borycki, EM, Kushniruk, AW.** (2021). Automated thematic analysis of health information technology (HIT) related incident reports. *Knowledge Management and eLearning*, 13(4), 408-420. <https://doi.org/10.34105/j.kmel.2021.13.022>

Schwartz, J. M., George, M., Rossetti, S. C., Dykes, P. C., **Minshall, S. R.**, Lucas, E., & Cato, K. D. (2022). Factors Influencing Clinician Trust in Predictive Clinical Decision Support Systems for In-Hospital Deterioration: Qualitative Descriptive Study. *JMIR Human Factors*, 9(2), 15. <https://doi.org/10.2196/33960>

Stringer, E., & **Kushniruk, A. W.** (2021). Utility of electronic decision[1]support tools for patients with head and neck cancer: A scoping review. Knowledge Management & E-Learning, 13(4), 477–499.

<https://doi.org/10.34105/j.kmel.2021.13.026>

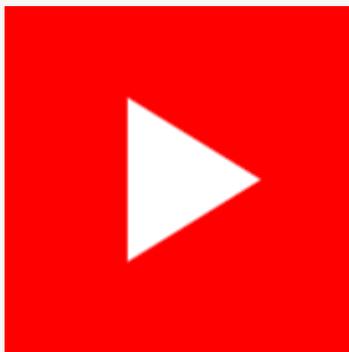
## Virtual Care

**Borycki EM, Kushniruk AW.** Reinventing virtual care: Bridging the healthcare system and citizen silos to create an integrated future. Healthcare Management Forum. 2022;35(3):135-139. <https://doi.org/10.1177/08404704211062575>

**Spina SP, Hainstock T, Haddadi R, Bourke B, Thompson L, Borycki E, Cartwright J, Forbes D, Harder CK, Kushniruk A, Mckelvey T, McMillan T, Menz S, Mukai K, Riddle M, Tierney S, Zeron Mullins M.** Engaging patients and families in developing, implementing, and evaluating hospital at home: A Canadian case study. Patient Experience Journal. 2022; 9(1):217-226. <https://pxjournal.org/journal/vol9/iss1/27/>

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## Professional Development



Learn about **Explainable AI in Diabetes** by viewing Dr. Morten Hasselstrøm Jensen, Associate Professor in the Medical Informatics Research Group, Department of Health Science and Technology at Aalborg University and Senior Researcher at the Steno Diabetes Center North Denmark talk at <https://www.youtube.com/watch?v=8szBNyEHSWs&list=PLXhJqFrhMUQOUGB4JhTKJR-9z1g5I7DTy&index=15>



Learn about **Canada Health Infoway's Toolkit for Implementers of Artificial Intelligence in Health Care** by viewing Brad Keates and Karen Jacquart's talk at <https://www.youtube.com/watch?v=llcL5tP8sEQ&list=PLXhJqFrhMUQOUGB4JhTKJR-9z1g5I7DTy&index=16>

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## Experiential Learning and Co-op



## Featured Co-op Students



**Angela Jiang** worked at **Interior Health Authority** assisting with **training documentation** and Zoom support, such as creating Zoom tutorials for Interior Health Staff. She gained experience with Zoom tickets and assisting staff with any questions they have as well as assisting with project planning, system testing and configuration.



**William Lee** worked at the University Health Network, more commonly known as UHN. For his co-op he worked on the **UHN Epic implementation project** codenamed Synapse.

## Co-op Hiring

Considering a Co-op student? Typical Health Information Science Co-op jobs include:

- + Business applications analyst
- + Clinical applications student
- + Go-live support
- + Health business consultant
- + Health data analyst
- + Health systems analyst

The hiring process is simple. If you are interested in learning more about hiring please contact the Health Information Science Co-op office [hiscoop@uvic.ca](mailto:hiscoop@uvic.ca)



## 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](mailto: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.

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## Announcements



### About Emerging Health Leaders (EHL)

EHL is a network developed for emerging health professionals, by emerging health professionals. The EHL vision is to develop health system leaders across Canada by providing opportunities for development, creation of knowledge exchange

networks, educational events, mentoring relationships, and informed health care and related discussion.

## **To Become a Member and Follow us on Social Media**

As a paid EHL member in BC, you will have access to a Mentorship Program and access to discounted events with CCHL, a 6 month coaching program with Royal Roads University, networking and job opportunities, discounted and/or free educational, career and personal development EHL events. The membership year runs from September to June each year. To sign up as a 2022-23 member go to: <https://emerginghealthleaders.ca/about-us/membership/>. Alternatively, follow us on [LinkedIn](#) and Instagram at [@ehlvancouver](#) to see upcoming events, promotions, and leadership development opportunities.

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## **Educational Program Deadlines**

### **Undergraduate Degree Admission**

Learn more about:

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

Apply by September 30th 2022 for January 2023 entry  
[Read more](#) and [Apply Now](#)

or contact [his@uvic.ca](mailto:his@uvic.ca) for application information

### **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 2022 for September 2023 entry  
[Read more](#) and [Apply Now](#)

### **Health Terminology Standards Graduate Certificate**

Apply by June 1st 2022 for September 2022 entry  
[Read more](#) and [Apply Now](#)

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## **Donors**



## Denis and Pat Protti Endowment Award

In 2004, a group of generous donors came together to honour Denis and Pat Protti's contributions to the Canadian healthcare system.

[Apply Here](#)

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## 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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## Are you enjoying this newsletter?

Please let us know if you have any feedback @ [hinfworkstudy@uvic.ca](mailto:hinfworkstudy@uvic.ca)

We acknowledge and respect the ɫəkʷəŋən peoples on whose traditional territory the University of Victoria stands, and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.

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