University of Victoria | Health Information Science

Digital Health Lives Here

Issue #19 | DEC 23rd 2022

Director's Message

I hope you all had a good term and will have a great holiday. We have some changes to announce with the addition of our new Assistant Professor Claudia Lai at the beginning of the term. I would also like to congratulate Dr. Francis Lau on his retirement at the end of December. We are fortunate that Francis has agreed to stay on with the School as Professor Emeritus starting in January. Francis has been instrumental on so many initiatives over the years and has been such an important part of the School that we are happy to continue our connection with him into the future as the School continues to expand and evolve.

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

News and Events

Big Data Analytics in Healthcare

Big Data Analytics in Healthcare Workshop

UVic Health Information Science faculty members **Dr. Alex Kuo, Dr. Elizabeth Borycki, Dr. Andre Kushniruk, and Dr. Dillon Chrimes** will be leading a workshop in Osaka, Japan on December 17-20, 2022. At the workshop, there will be a gathering of researchers and practitioners to discuss challenges and solutions to Big Data issues in healthcare, medicine, and biology.
For more information please visit the event webpage HERE

Awards and Recognitions

Congratulations to **Dr. Francis Lau, Kelly Davison, Roz Queen** and **Dr. Karen Courtney** on their publication "Toward an inclusive digital health system for sexual and gender minorities in Canada" that was mentioned in the Yearbook of Medical Informatics several times!

Congratulations to **Tyanna Pridge** and **Maya El-Lakany** on receiving the **School of Health Information Science 2022 Co-op Student of the Year Award.** Tyanna and Maya have held co-op positions at the Island Health Health Authority in the

Mental Health and Substance Use Services team. They both have done such amazing work and are fantastic representatives of the Health Information Science program. Tyanna and Maya have demonstrated a strong work ethic, initiative, teamwork, creative ideas, problem solving, and professionalism.

Congratulations to **Kelly Davidson** on receiving the **Jarmila Vlasta Von Drak Thouvenelle Graduate Scholarships** and the **CTW Memorial Fellowship.**

Faculty and Student Publications

Big Data Analytics

Chrimes, D. (December 17-20, 2022). Big data analytics of predicting annual US Medicare billing claims with health services. IEEE International Conference BigData22. Workshop on Big Data Analytics in Health Care, Osaka Japan.

Chrimes, D., Chanhee, K. (December 17-20, 2022). Review of Publically Available Health Big Data Sets. IEEE International Conference BigData22. Workshop on Big Data Analytics in Health Care, Osaka Japan. December 17-20, 2022 Poster and Paper.

Consumer Informatics
Antonio, M.G., Davis, S., Smith, M. Burgener, P., Price, M., Lavallee, D., Fletcher, S., & **Lau, F.**, (2022). Advancing digital patient-centered measurement methods for team-based care. SAGE Digital Health.

Standards: Sex and Gender
Marcy Antonio, **Francis Lau, Kelly Davison,** Aaron Devor, **Roz Queen, Karen Courtney,** Toward an inclusive digital health system for sexual and gender

minorities in Canada, Journal of the American Medical Informatics Association, Volume 29, Issue 2, February 2022, Pages 379–384, https://doi.org/10.1093/jamia/ocab183

Faculty and Student Presentations

Congratulations to Dillon Chrimes on the following presentations:

Chrimes, D. (November 16, 2022). Undergraduate Teaching of Artificial Intelligence and Virtual Care in Health Care at UVic. Centennial United Church, Victoria, British Columbia. UVic Speakers Bureau.

Chrimes, D. (November 22, 2022). Review of Challenges of In-Class Exercises and Assignments in Undergraduate Courses in Applied Sciences. Harry Hickman Building, LTSI Workshop, University of Victoria.

Chrimes, D. (December 17-20, 2022). Big data analytics of predicting annual US Medicare billing claims with health services. IEEE International Conference BigData22. Workshop on Big Data Analytics in Health Care, Osaka Japan. DOI: 10.1109/BigData55660.2022.10020524

Chrimes, D., Chanhee, K. (December 17-20, 2022). Review of Publically Available Health Big Data Sets. IEEE International Conference BigData22. Workshop on Big Data Analytics in Health Care, Osaka Japan. December 17-20, 2022 Poster and Paper. DOI: 10.1109/BigData55660.2022.10020258

Professional Development

Refresh your Terminology Standards Knowledge: Check out our 2022 Seminar Series Recordings!

Dr. Francis Lau has done incredible work in spearheading and advancing the research in health terminology and data exchange standards. Such knowledge is integral to the successful adoption of interoperable electronic health record systems. This public seminar series is part of the School of Health Information Science Graduate Certificate in Health Terminology Standards program.

The sessions were delivered in real-time and recorded via Zoom **5-6pm PT/ 8-9pm ET** Our expert speakers included.

Date: Thursday, June 2 (Recording now available)

Topic: Health System Improvement – Can Standards Help?
Speaker: [Morgan Price](#), Associate Professor, University of British Columbia

Date: Thursday, June 9 ([Recording](#) and [slides](#) now available)
Topic: Nursing Data Standards: Landscape and Directions in Canada
Speaker: [Lynn Nagle](#), Adjunct Professor, University of New Brunswick

Date: Thursday, June 16 ([Recording](#) and [slides](#) now available)
Topic: SNOMED CT Trends and Latest Developments
Speaker: [Linda Bird](#), Head of Implementation Support, SNOMED International

Date: Thursday, June 23 ([Recording](#) and [slides](#) now available)
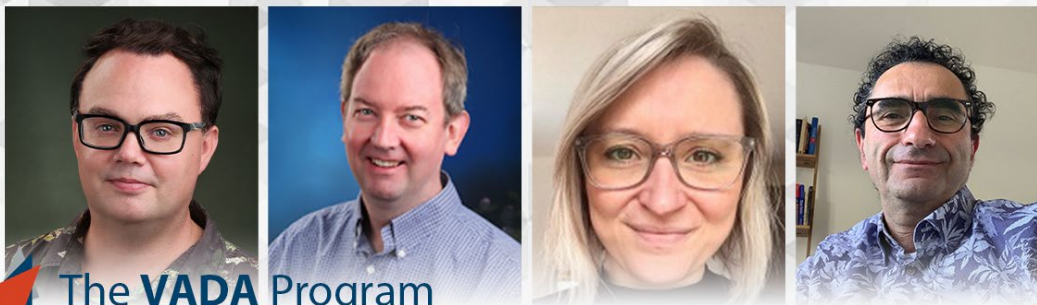Topic: Building a Better Health Record to Improve Documentation Quality
Speaker 1: [Robert Hayward](#), Professor, and Director Clinical System Design, Alberta Health Services
Speaker 2: [Debbie Pinter](#), Clinical Operations Informatics Officer, Alberta Health Services

Date: Thursday, June 30 ([Recording](#) and [slides](#) now available)
Topic: Computable Care Guidelines
Speaker: [Derek Ritz](#), Principal Consultant, ecGroup Inc.

Review our Visual Automated Disease Analytics Workshops from our VADA Data Science Summer School in Public Health Informatics.

Dillon Chrimes: A Retrospective Build of BC Covid 19 Dashboard Using Public Use Files ([Part 1](#) & [Part 2](#))

Simon Minshall: Creating Visualizations with Python ([Part 1](#) & [Part 2](#))

Helen Monkman: [Heuristic Evaluation for Information Visualizations](#)

Abdul Roudsari: [Systems Dynamics Modeling and Simulation for Chronic and Infectious Diseases](#)

Students in Community: Engaging MeaningfullyStudents in Community: Engaging Meaningfully

Graduate and upper-level undergraduate students doing curricular community-engaged research and projects **January to April 2023** are eligible to apply to receive **$1075** and be part of a cohort with other community-engaged student researches.

Applications will be acccepted from **December 9th, 2022** until **January 9th, 2023** or until all program spaces are filled.

Learn more **HERE**

Health Information Science
Alumni Spotlight

As one of Digital Health Canada's 2022 Top Ten Women in Digital Health, **Vanessa Kinch** graduated from the Double Degree program in nursing and health informatics leading to a MSc In Health Informatics and Masters of Nursing. Vanessa is currently a Regional Manager, Clinical Informatics in the Northern Health Authority. Vanessa recalls "My Double Master's in Nursing and HINF gave me my first opportunity as a graduate student in Northern Health. This co-op position allowed me to mentor with some really great professionals over the years. My education prepared me to understand most of the critical concepts of my profession and to be able to see opportunities to make practical and tangible changes to the way we use technology to support health in our organization. The dual degree allowed me to combine the skills and knowledge of both professions in a way that has served me well in creating change in Northern Health".

Sara Tahsiniaraghi graduated with a MSc in Health Informatics from the University of Victoria. Sara remembers how studying health Informatics at UVic allowed her to familiarize myself with the standards and specifications essential for Health ICT solutions and projects. The Co-op options embedded in this program provided her with chance to be involved as an Analyst in a project for implementing one of the most well-known Electronic Medical Record solutions between three BC health authorities. She considered this experience a turning point in her career path as it has lead her to her current role as Enterprise Architect with the Fraser Health Authority. Sara recollects "The best professors, the high-quality classes, easy access to important seminars and up-to-date journal articles, and organized student services. "Thanks to the Faculty of Health Information Science and all its staff for embracing me with open arms, supporting my goals, and being my home on campus."

EXPERIENTIAL LEARNING & CO-OP EMPLOYMENT

Featured Co-op Students

Tyanna Pridge is a Project/Policy Analyst Co-op Student at Island Health in the department of Mental Health and Substance Use. Tyanna says "I have had the opportunity to work with tools like REDCap and Microsoft SharePoint. Most recently, I updated the MHSU Quality Council SharePoint sites to be more usable and provide even better security. Another project that I am currently working on involves the creation of a REDCap database to track recommendations that come through MHSU Quality Council – these often stem from the provincial Patient Safety Learning System or other quality initiatives."

Thank You Co-op Employers!

We thank our Co-op employers for their continued support, mentorship; and wish them a happy holidays!

- UVic Health Information Science Co-op Team

Hiring a Health Information Science Student for Co-op

Ready to hire a Health Information Science co-op student? The hiring process is simple. Students are skilled, enthusiastic, and ready to work for organizations like yours!

Contact the Health Information Science Co-op office hiscoop@uvic.ca if you are interested in learning more about hiring!

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

Graduate Degree Admission

- 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

Undergraduate Degree Admission

- 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 for application information

Health Terminology Standards Graduate Certificate

Apply by **June 1st 2023** for **September 2023** entry
Read more and Apply Now

Donors

Denis and Pat Protti Bursary

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

Apply Here

Scholarships and Awards

Apply Now!

If you require financial aid, consider applying for the Health Information Science [undergraduate](#) and [graduate](#) awards and scholarships.

Stay Connected with HINF!

[School Website](#)
[LinkedIn](#)
[Twitter](#)
[Instagram](#)
[Facebook](#)
[Youtube](#)

Are you enjoying this newsletter?

Please let us know if you have any feedback @ hinfworkstudy@uvic.ca

We acknowledge and respect the ləḱʷəŋən 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.