

Kendall Ho, MD, FRCPC
Abbreviated Curriculum Vitae
February 23, 2024

PROFESSIONAL SUMMARY

A practicing emergency medicine specialist with clinical, research, education, and engagement experiences with policy makers and the general public, I seek to contribute as a CAEP Board member my knowledge and skills of our specialty to pathfind to resolve today's EM crisis in our Canadian Health system, and attain sustainable growth and excellence of our national organization.

CURRENT POSITIONS

Professor, Department of Emergency Medicine, University of British Columbia (2011 – present)
Executive Director, inter-Cultural Online health Network (2015 – present)
Lead, Digital Emergency Medicine Unit, UBC Department of Emergency Medicine (2016 – present)
Lead, Real Time Virtual Support, BC Emergency Medicine Network (2018 – present)
Medical Director & Virtual Physician, BC Ministry of Health HealthlinkBC Virtual Physician Services (2020 – present)
Evaluation Lead, Real Time Virtual Support Network, Rural Coordination Centre of BC (2020 – present)

PAST EXPERIENCE

Attending Staff, Department of Emergency Medicine, Vancouver General Hospital (1990 – 2020)
CME Director, Department of Emergency Medicine, Vancouver General Hospital (1994 – 1998)
Associate Dean & Director, Division of Continuing Medical Education (1998 – 2004)
Associate Dean, Continuing Professional Development and Knowledge Translation (2004 – 2008)
Director, eHealth Strategy Office, Faculty of Medicine (2008 – 2015)
Academic Director, Community Cloud Innovation Centre, University of British Columbia (2019 – 2020)

EDUCATION

MD Degree, Faculty of Medicine, University of British Columbia (1982 – 1986)
Emergency Medicine Residency, Faculty of Medicine, University of British Columbia (1986 – 1990)
Fellow in Emergency Medicine, Royal College of Physicians and Surgeons of Canada (1990)

RESEARCH AND INNOVATION

I have been conducting digital Emergency Medicine research for 24 years, and Lead the UBC Department of Emergency Medicine Digital Emergency Medicine Unit since 2016. My research focuses on applying innovative technologies and data science to support patient transition between emergency departments and the community. Examples include: virtual health to increase access and quality of care, incorporation of sensors and wearables into clinical care, disease management and patient stratification using data analytics and artificial intelligence (AI), and raising digital health literacy of patients and health professionals. I am the Executive Director of the inter-Cultural Online health Network (iCON), a program funded by BC Ministry of Health Patients as Partners Initiative to support the Indigenous and multicultural population for optimal management of chronic diseases through in-person and digital approaches. I am actively working with many provincial partners to establish the BC Real Time Virtual Support (RTVS) clinical service network in BC, and lead the development of the HealthlinkBC Emergency iDoctors in-assistance (HEiDi). My Digital Emergency Medicine Unit also leads the evaluation of the BC RTVS virtual care services to support Ministry of Health, Rural Coordination Centre of BC, Health Authorities, Doctors of BC and other health policy makers in evidence informed policy translation in virtual care. I also conduct research with international partners as a visiting professor at Nanyang Technology University of Singapore, a global faculty member of the Stanford University Centre for Asian Health Research and Education, an adjunct professor at University of Victoria, a member of the Friends of the Faculty of Medicine at the University of Munster in Germany, and an advisory member of the Chinese University Hong Kong Public Health initiative.

ACTIVE COMMITTEES & BOARD MEMBERSHIP

Member, Department of Emergency Medicine Advisory Committee, UBC Faculty of Medicine (2014 – Present)
 Member, Patients as Partners Provincial Working Group, BC Ministry of Health (2016 - Present)
 Member, International Medical Informatics Association Telehealth Working Group (2018 – Present)
 Member, Canadian Association of Emergency Physicians Leadership Committee (2018 – Present)
 Member, National Research Council Medical Devices Advisory Council (2018 – Present)
 Member, Health Canada Scientific Advisory Committee on Digital Health Technologies (2018 – Present)
 Member, Canadian Virtual Care Task Force (2019 – Present)
 Chair, Canadian Association of Emergency Physicians Digital Emergency Medicine Committee (2019 – Present)
 Member, Clinical Leadership Committee, BC Ministry of Health Digital Health Strategy (2019 – Present)
 Member, Telehealth Working Group, International Medical Informatics Association (2019 – Present)
 Member, BC Academic Health Sciences Network Clinical Trials Research Council (2019 – Present)
 Member, International Federation of Emergency Medicine Technologies Special Interest Group (2019 – Present)
 Member, International Federation of Emergency Medicine Medical Informatics Special Interest Group (2019 – Present)
 Founding Member, International Society of Digital Health (2019 – Present)
 Chair, Essential Digital Health for the Underserved UBC representative, National Committee (2023 – Present)
 Member, Digital Health Interoperability Task Force Royal College representative, Canada (2024 – Present)

SELECT AWARDS & RECOGNITIONS

Canadian Health Informatics Association Clinical Leadership Award, 2016
 Outstanding Academic Performance, UBC Faculty of Medicine, 2017
 Excellence in Continuing Professional Development Award, UBC Faculty of Medicine, 2017
 Doctors of BC Community Service Award: inter-Cultural Online health Network, 2017
 Innovation Award, Vancouver Coastal Health, British Columbia, 2018
 Change Maker, Canadian Medical Association, 2018
 Distinguished Research Award, UBC Faculty of Medicine, 2020
 Distinguished Research Paper Award, eTELEMEDICINE conference, Europe 2020
 Medal of Good Citizenship, Province of BC, 2022
 International Federation of Emergency Medicine Visionary Innovative Technology Award Runner-Up, 2023

CURRENT ACTIVE RESEARCH GRANTS

Granting Agency	Title	Duration	Role
Canadian Institutes of Health Research	Telehealth for Emergency-Community Continuity of Care Connectivity via Home Blood Pressure Telemonitoring (TEC4HOME-BP)	2023-2028	Co-investigator and mentor to Principal Investigator
Canadian Institutes of Health Research	Building virtual bridges to coordinate emergency and primary care	2023-2024	Co-principal investigator
National Research Council	Aging in Place: Gait risk identification with Information Technologies Systems (GRIIT)	2023-2025	Principal Investigator
National Research Council	Clinical Determination and usability testing for contactless monitoring and remote care for older adults	2022-2023	Principal Investigator
Vancouver Physician Staff Ass'n	Engagement of Physicians in Cultural Safety (EPIC)	2022-2023	Principal Investigator
UBC Vice President Research	CDTS ERP ECG MRI Scar Prediction	2022-2024	Co-investigator
Mitacs	Timely and Extended Monitoring in Emergencies & Disasters	2022-2023	Principal Investigator
UBC Rogers	Timely and Extended Monitoring in Emergencies & Disasters	2022-2023	Principal Investigator

PUBLICATIONS 2022 to Present

Tran KC, Mak M, Kuyper LM, Bittman J, Mangat B, Lindsay H, Kim Sing C, Xu L, Wong H, Dawes M, Khan N, **Ho K**. Home Blood Pressure Telemonitoring Technology for Patients With Asymptomatic Elevated Blood Pressure Discharged From the Emergency Department: Pilot Study. JMIR Form Res. 2024 Jan 30;8:e49592. doi: 10.2196/49592. PMID: 38111177; PMCID: PMC10865197.

Grant KL, Tsang J, **Ho K**. Implementing digital emergency medicine: a call to action. *CJEM*. 2024 Feb;26(2):75-77. doi: 10.1007/s43678-023-00620-0. Epub 2023 Nov 25. PMID: 38001328.

Villalobos-Quesada M, **Ho K**, Chavannes NH, Talboom-Kamp EP. Direct-to-patient digital diagnostics in primary care: Opportunities, challenges, and conditions necessary for responsible digital diagnostics. *Eur J Gen Pract*. 2023 Dec;29(1):2273615. doi: 10.1080/13814788.2023.2273615. Epub 2023 Nov 10. PMID: 37947197; PMCID: PMC10653613.

Duncan R, Stewart K, Scheuermeyer FX, Abu-Laban RB, **Ho K**, Lavallee D, Christenson J, Wood N, Bryan S, Hedden L. Concordance between 8-1-1 HealthLink BC Emergency iDoctor-in-assistance (HEiDi) virtual physician advice and subsequent health service utilization for callers to a nurse-managed provincial health information telephone service. *BMC Health Serv Res*. 2023 Sep 27;23(1):1031. doi: 10.1186/s12913-023-09821-w. PMID: 37759257; PMCID: PMC10523598.

Novak Lauscher H, Stewart K, Markham R, Pawlovich J, Mah J, Hunt M, Williams K, Christenson J, Graham S, Beppe K, Pritchard E, Rabeneck J, Yang M, **Ho K**. Real-time virtual supports improving health equity and access in British Columbia. *Health Manage Forum*. 2023 Jun 20;8404704231183177. doi: 10.1177/08404704231183177. Epub ahead of print. PMID: 37339260.

Ho K, Abu-Laban RB, Stewart K, Duncan R, Scheuermeyer FX, Hedden L, Lauscher HN, Sundhu S, Chadha R, Christenson J, Grafstein E, Lavallee DC, Pursell R, Tallon JM, Wood N, Bryan S. Health system use and outcomes of urgently triaged callers to a nurse-managed telephone service for provincial health information after initiation of supplemental virtual physician assessment: a descriptive study. *CMAJ Open*. 2023 May 23;11(3):E459-E465. doi: 10.9778/cmajo.20220196. PMID: 37220956; PMCID: PMC10212572.

Limbachia J, Owens H, Matean M, Suen I, Khan S, Novak-Lauscher H, Ho B, **Ho K**. Evaluating a Culturally Tailored Public Health Forum in Improving the Knowledge and Understanding of Chronic Disease Management in the Chinese Population: A Mixed-methods Study. *Journal of Asian Health*, 3(2). <https://doi.org/10.59448/jah.v3i2.33>

Stovel RG, Dubois D, Chan TM, Thoma B, **Ho K**. Virtual Care in CanMEDS 2025. *Can Med Educ J*. 2023 Mar 21;14(1):22-26. doi: 10.36834/cmaj.75439. PMID: 36998491; PMCID: PMC10042775.

Narayan S, Mok H, **Ho K**, Kealy D. "I don't think they're as culturally sensitive": a mixed-method study exploring e-mental health use among culturally diverse populations. *J Ment Health*. 2023 Feb;32(1):241-247. doi: 10.1080/09638237.2022.2091762. Epub 2022 Jun 30. PMID: 35770901.

Tran KC, Kuyper L, Bittman J, Mangat B, Kim Sing C, Lindsay H, Dawes M, Wong H, Khan NA, Mak MY, Cordeiro J, **Ho K**. TEC4HomeBP: Developing a Home Blood Pressure Tele-Monitoring Pathway to Support Patients Discharged from the Emergency Department with Elevated Blood Pressure. *Journal of Hypertension* 2023 Jan 1 (Vol. 41, pp. E204-E204). Two Commerce Sq, 2001 Market St, Philadelphia, PA 19103 USA: Lippincott Williams & Wilkins.

Jafari N, Lim M, Hassani A, Cordeiro J, Kam C, **Ho K**. Human-like tele-health robotics for older adults - A preliminary feasibility trial and vision. *J Rehabil Assist Technol Eng*. 2022 Nov 14;9:20556683221140345. doi: 10.1177/20556683221140345. eCollection 2022 Jan-Dec. PMID: 36408129

Ho K, Rivest-Henault D, Jafari N, Lim M, Hassani A, Cordeiro JL, Falardeau B, Pecora L, Pagiatakis C, M'hiri F, Jiang D. VitalSeer: The development of a contactless sensing technology based on a user-centric data-driven clinical approach. *AMIA Annu Symp Proc*. 2022 May 23;2022:244-253. PMID: 35854744; PMCID: PMC9285145.

Jones P, **Ho K**, Than M. A reality check for emergency department crowding interventions. *CJEM*. 2022 Jun;24(4):353-354. doi: 10.1007/s43678-022-00322-z. Epub 2022 Jun 14. PMID: 35699920.

Kuziemsy C, Hunter I, Udayasankaran JG, Ranatunga P, Kulatunga G, John S, John O, Flórez-Arango JF, Ito M, **Ho K**, Gogia SB, Araujo K, Rajput VK, Meijer WJ, Basu A. Telehealth as a Means of Enabling Health Equity. *Yearb Med Inform*. 2022 Jun 2. doi: 10.1055/s-0042-1742500. Epub ahead of print. PMID: 35654429.

Apantaku G, Mitton C, Wong H, **Ho K**. Home Telemonitoring Technology for Patients With Heart Failure: Cost-Consequence Analysis of a Pilot Study. *JMIR Form Res*. 2022 Jun 2;6(6):e32147. doi: 10.2196/32147. PMID: 35653179; PMCID: PMC9204565.

Juhra C, Born J, Borycki EM, Kushniruk AW, **Ho K**. Medical Emergency Data and Networks: A German-Canadian Comparison. *Stud Health Technol Inform*. 2022 May 20;291:27-35. doi: 10.3233/SHTI220005. PMID: 35593756.

Ho K, Rivest-Henault D, Jafari N, Lim M, Hassani A, Cordeiro JL, Falardeau B, Pecora L, Pagiatakis C, M'hiri F, Jiang D. VitalSeer: The development of a contactless sensing technology based on a user-centric data-driven clinical approach. *AMIA Annu Symp Proc*. 2022 May 23;2022:244-253. PMID: 35854744; PMCID: PMC9285145.

Ho K. Leveraging the Five Perspectives of Health Professional Education to Advance Change Management in Virtual Care. *Healthc Pap*. 2022 Apr;20(4):57-61. doi: 10.12927/hcpap.2022.26960. PMID: 36433909.

Hyman A, Stacy E, Mohsin H, Atkinson K, Stewart K, Novak Lauscher H, **Ho K**. Barriers and Facilitators to Accessing Digital Health Tools Faced by South Asian Canadians in Surrey, British Columbia: Community-Based Participatory Action Exploration Using Photovoice. *J Med Internet Res*. 2022 Jan 13;24(1):e25863. doi: 10.2196/25863. PMID: 35023842; PMCID: PMC8796037.

Ly S, Tsang R, **Ho K**. Patient Perspectives on the Digitization of Personal Health Information in the Emergency Department: Mixed Methods Study During the COVID-19 Pandemic. *JMIR Med Inform*. 2022 Jan 6;10(1):e28981. doi: 10.2196/28981. PMID: 34818211; PMCID: PMC8734606

PRESENTATIONS 2023 to Present

International

- January 25, 2024. European Society in Emergency Medicine/International Federation of Emergency Medicine Joint Webinar, Virtual. "[Artificial Intelligence in Emergency Medicine](#)" presenter.
- January 3, 2024. HICSS 57, Honolulu, USA. "[Digitally Enabled Blood Testing in Healthcare](#)".
- August 15, 2023. Stanford University Center for Asian Health Research and Education (CARE) Scholar Presentation. "[Building Capacity in Chronic Disease Self-management Among Multicultural Populations in BC, Canada](#)."
- August 5, 2023. International Artificial Intelligence in Medicine (i-AIM) Conference, Singapore. "[Digitization of Emergency Medicine](#)"
- July 12, 2023. The University of Sydney & NSW Ministry of Health Panel, Sydney, Australia. "[Where to Next for Virtual Care in Rural and Remote Areas?](#)"
- December 20, 2023. University of Munster Medical School Class, Munster, Germany. "[Digital Emergency Medicine](#)"
- December 8, 2023. Hong Kong Prehospital Training Program, Hong Kong. "[Pre-hospital Digital Advancement](#)" & "[Pre-hospital Virtual Care](#)"
- November 9, 2023. Eurasian Conference in Emergency Medicine, Antalya, Turkey. "[Provincial Pre-hospital Virtual Care Program: 811](#)"
- October 27, 2023. Specialist Society of Emergency Medicine Conference, Hong Kong. "[Digital Emergency Medicine](#)"
- June 13, 2023. International Conference on Emergency Medicine, Amsterdam. "[Need for Speed: 5G in Emergency Medicine](#)."
- May 16, 2023. Asia Summit on Global Health, Hong Kong. "[Breakthroughs and Investment Landscape in Longevity via Digital Health Panel](#)."
- May 8, 2023. Taiwan-Canada Indo-Pacific Strategic Forum, Virtual. "[Taiwan and Canada: Areas of Synergy in Health](#)"
- February 28, 2023. Turkey Aegean University Medical School virtual presentation. "[Virtual Care and digital health](#)."

National

- November 21, 2023. CIHR Institute of Health Services and Policy Research End of Grant Research Workshop, Virtual. "[Learning Health System for Real Time Virtual Support Program](#)"
- October 23, 2023. University of Toronto Mississauga Webinar. "[Digital Emergency Medicine](#)"
- October 2, 2023. Annual Healthcare Summit, Vancouver, BC. "[Scaling up Virtual Care Programs](#)"
- June 20, 2023. UBC-Rogers mid-year national research presentations. "[Digital Health Panel](#)."
- May 27, 2023. Canadian Association of Emergency Physicians Conference, Toronto. "[Advancing Digital Emergency Medicine in Canada: Innovative Pursuits to Address Needs](#)."
- March 22, 2023. Canadian Network of Digital Health Evaluation Conference, Toronto. "[Using the Learning Health System approach to carry out evaluation and calibration of Virtual Care \(RTVS\) in BC](#)."
- March 8, 2023. Canadian Association of Emergency Medicine Virtual Grand Round. "[Virtual Care in Emergency Medicine](#)."

Provincial

- February 13, 2024. South Island Division of Family Practice- inter-Cultural Online Health Network Evening workshop, Victoria, BC. "[Incorporating Indigenous Practitioners in Family Practice](#)".
- January 31, 2024. Department of Family and Community Medicine Round, Vancouver, BC. "[Cultural Safety to Support Indigenous Patients](#)".
- January 9, 2024. UBC Vision Research Cluster webinar, Vancouver. "[Pre-hospital virtual care and data science at 811](#)"
- December 4, 2023. Vancouver Coastal Health – inter-Cultural Online Health Network Indigenous Health Rounds Moderator. "[First Nations Health Authority Primary Care Vision and Strategy](#)"
- November 28, 2023. Michael Smith Health Research BC Clinical Trials Annual Symposium, Vancouver, BC. "[Digital Health Clinical Trials](#)"
- November 23, 2023. Digital Health Week. Provincial Health Services Authority, BC. "[HealthlinkBC 811 Virtual Physicians Program](#)"
- June 5, 2023. Quality Forum, Vancouver. "[Real Time Virtual Support](#)", "[After Hours Physician Coverage Program](#)"
- June 2, 2023. UBC CPD Victoria Conference. "[Artificial Intelligence in Medicine](#)."
- May 9, 2023. Vancouver Coastal Health Research Institute Celebrate Research. "[Innovation, translation, commercialization in healthcare](#)."

I would be happy to share my Full academic Curriculum Vitae upon request.