



Integrating Telehealth into Simulation:

Expanding Nursing Students
Understanding of Informatics and
Integrated Approaches to Patient
Centred Care

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Telehealth

What it is...

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“Telehealth is the delivery of health care/ wellness services and education at a distance through live, interactive video, audio and computer technology “videoconferencing”. Telehealth enhances the ability to provide and receive patient care and education regardless of geographic location. Telehealth allows you to see your doctor, nurse, or specialist at a distance. Some of the telehealth services available in BC are in cancer care, arthritis, diabetes, maternal care, mental health and many other areas.” (First Nations Health Authority, 2015c, p.1).



Enhances Learning

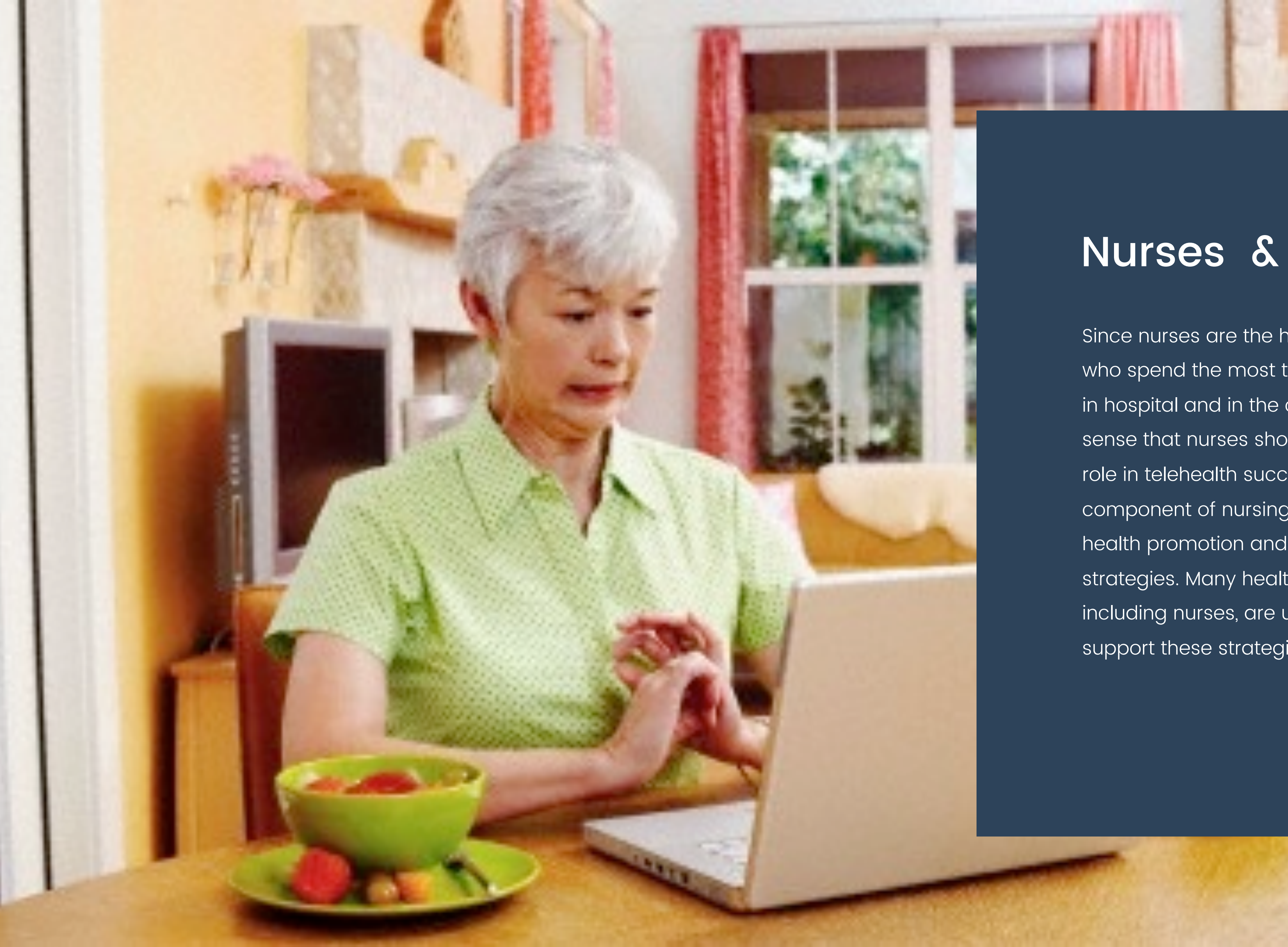
The Livecare equipment would enhance the Faculty of Health simulation labs and clinical labs significantly by providing necessary education in utilizing telehealth equipment to assess, document, store, and discuss practice-related health data and information..



Meet CASN Informatics Competencies

In 2014, CASN, funded by Canada Health Infoway released entry-to-practice competencies in Nursing Informatics: that all Canadian nursing students are expected to demonstrate upon graduation.

- Uses relevant information and knowledge to support the delivery of evidence-informed patient care.
- Uses information and communication technologies in the delivery of patient/client care.



Nurses & Telehealth

Since nurses are the health care providers who spend the most time with clients both in hospital and in the community, it makes sense that nurses should play a central role in telehealth success. A strong component of nursing practice centres on health promotion and prevention strategies. Many health professionals, including nurses, are using telehealth to support these strategies.



Interprofessional Collaboration

Supported by LiveCare

Interprofessional collaboration is a competency and aspect of health care experience that KPU nursing programs find challenging to address. Nursing students need more experiences where they can collaborate and plan care with other healthcare professionals. Telehealth can augment these experiences since it is becoming more visible in a wide variety of health settings and capacities.

Three Phased Project

This project will be implemented in three Phases



Phase 1 Labs and SIM Lab

Add an essential new layer of complexity, to the SIMs lab environment..



Phase 2 Community Clinic

Engage in invaluable community-based experiential interdisciplinary learning



Phase 3 Campus Health

Provide a valuable service to the KPU community, particularly, the students..

PHASE ONE

The addition of the Livecare Telemedicine Connect Case and Cart add an essential new layer of complexity and realistic comprehensiveness in assessment, intervention planning, and information documentation to the SIMs lab environment.





PHASE ONE

Benefits Entire Faculty of Health

All of the seven Faculty of Health programs could work intensively with the Livecare Connect Case to gain practical experiential knowledge as well as expand their ability to apply technology and telehealth within their scope of practice. Telehealth facilitates a number of important tasks done routinely within health care practice by a variety of health care professionals:

- Consultation
- Assessment/Monitoring
- Diagnosis
- Treatment
- Transfer of information
- Client education and
- Professional development (CRNBC, 2011, p. 1).



PHASE TWO

involves the purchase of a Purchase Telemedicine Cart (Connect Cart) and the establishment of Physician support to operate a Community-focused Clinic practice setting at Innovation Boulevard in Surrey.

Faculty and students would engage in invaluable community-based experiential learning where they would work with a Livecare organized physician remotely, and provide wellness care to community members in the City of Surrey.

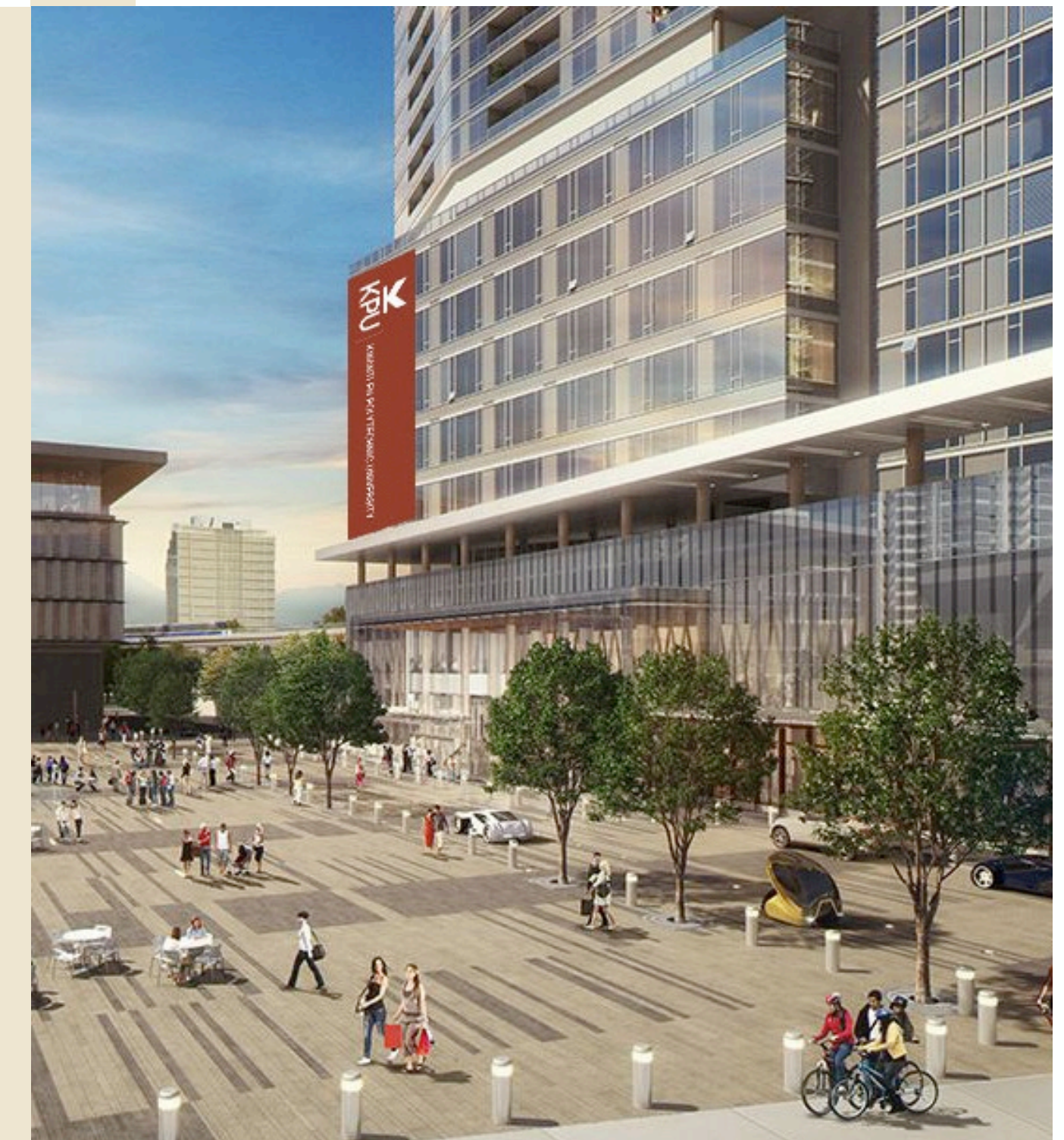
The pre-configured telehealth carts are used to achieve real-time diagnostic input and clinical evaluations.

PHASE TWO

Diverse Learning Potential

This clinic would provide a number of benefits for both learning and for the local community. Students and faculty from all participating schools at Innovation Boulevard could be involved in this phase of the project. Thus, students would gain much needed experience working interprofessionally with other health care professionals, as well as with students and faculty from other postsecondary institutions.

Working with physicians and other specialists would afford experience in supporting telemedicine, and examining the relationship of their own profession, such as nursing, with medicine, and how technology can support both medicine and nursing

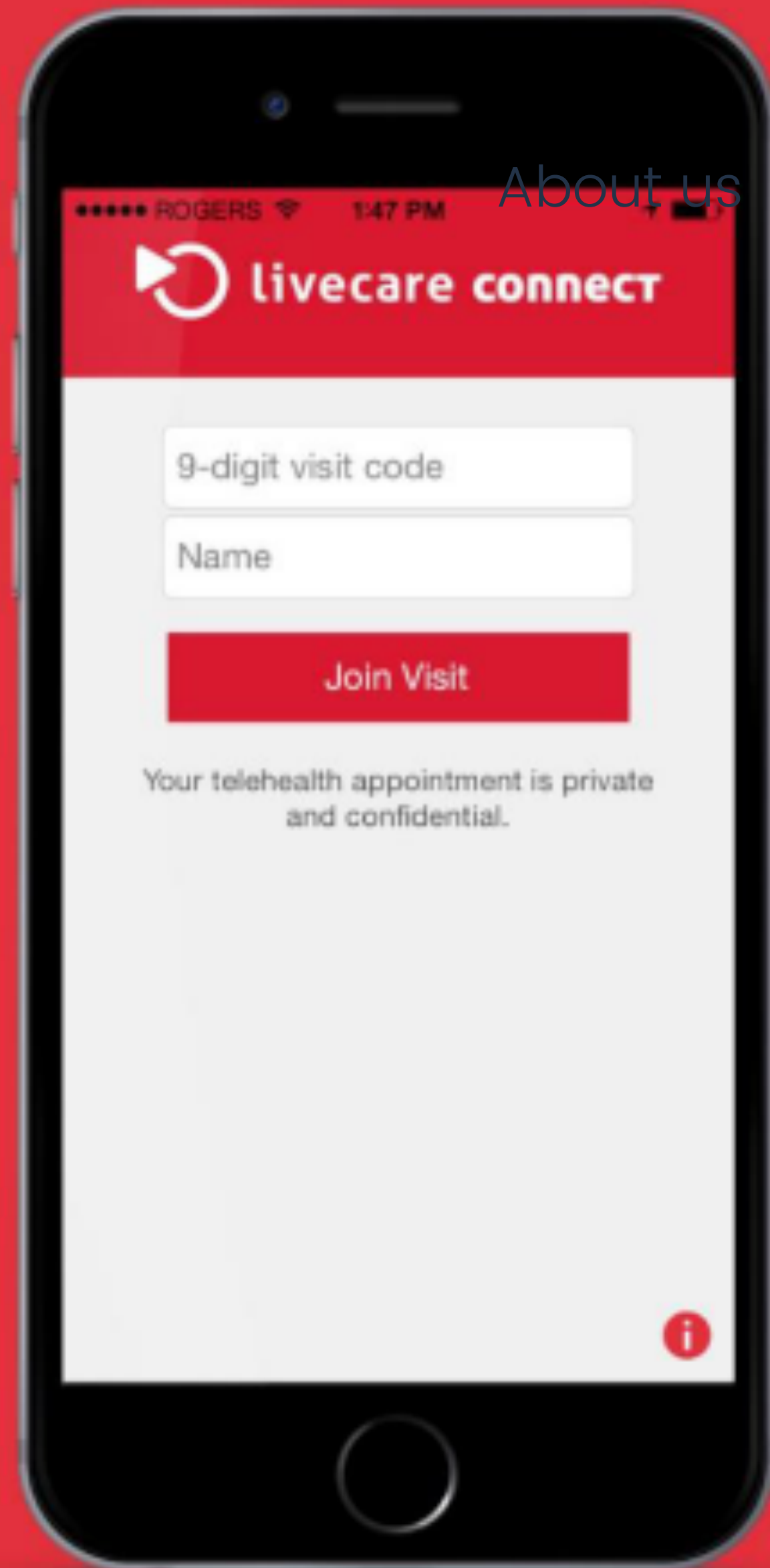


PHASE TWO



As well, our Faculty of Health students could liaison with other experts supported by Livecare including nutritionists, psychiatrists, physiotherapists, occupational therapists, naturopathic doctors, sex therapists, speech therapists, addictions counselors, eating disorder counselors, and so on.

A doctor is just a click away



PHASE THREE

Phase Three involves the development of on campus health services where the establishment of Physician and allied health professional support to operate Clinic Services for KPU Students on campus.

This phase would widen the experiential learning opportunities across all Faculty of Health programs, and provide a valuable service to the KPU community, particularly, the students.

Liaisons with other professionals, similar to the process described in Phase Two would apply in this Phase as well, but on campus.

References

References for Slide Citations

Canadian Association of Schools of Nursing (CASN)/Canada Health Infoway. (2014). *Nursing Informatics entry to practice competencies for registered nurses*. Ottawa: Authors. Retrieved from http://www.casn.ca/wp-content/uploads/2014/12/Nursing-Informatics-Entry-to-Practice-Competencies-for-RNs_updated-June-4-2015.pdf

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First Nations Health Authority (2015c). *First Nations Telehealth Expansion Project Fact Sheet*. Healthy, Self-Determining and Vibrant BC First Nations Children, Families and Communities. West Vancouver: Author. Retrieved from http://www.fnha.ca/documents/fnha_telehealth_fact_sheet.pdf

LiveCare website - <https://livecare.ca>

VIDEOS & HANDS ON

OF OUR LIVECARE EQUIPMENT

Livecare Videos Created by Our Students

These video were created by Kwantlen Polytechnic University, Bachelor of Psychiatric Nursing semester 6 students, Brenna Thiessen, Jade Peterson, Meghan McNabb and Melanie Peeters for their Research clinical March 2017



LiveCare Cart and Case

4:12 min

<https://youtu.be/PuxudZvxQ3o>



LiveCare In Action: The Cart

4.10 min

<https://youtu.be/b-gc2k-9OcQ>



LiveCare In Action: The Case

6:43 min

https://youtu.be/aoU_iYGIQmA

thankyou

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