

Vision for York University @ VHCP

Vaughan Healthcare Centre Precinct

MARCH 14, 2022

YORK 



4.720

3.056 deaths
Hubei China

827 deaths
Italy

429 deaths
Iran

66 deaths
Korea, South

55 deaths
Spain

48 deaths
France France

31 deaths
Washington US

22 deaths
Henan China

16 deaths
Japan

13 deaths
Heilongjiang China

8 deaths

Persistent challenges in the current health system highlight future needs

- Acute healthcare and long-term-care are straining to meet growing needs of diverse, aging populations
- Health and economic inequities create huge public and private costs
- Current health system not designed to deal with prevention, management and treatment of chronic and non-communicable diseases
- Data analytics must increasingly drive smart health systems and education of health professionals
- Health innovation is a key to economic and fiscal recovery, and future well-being of Canadians

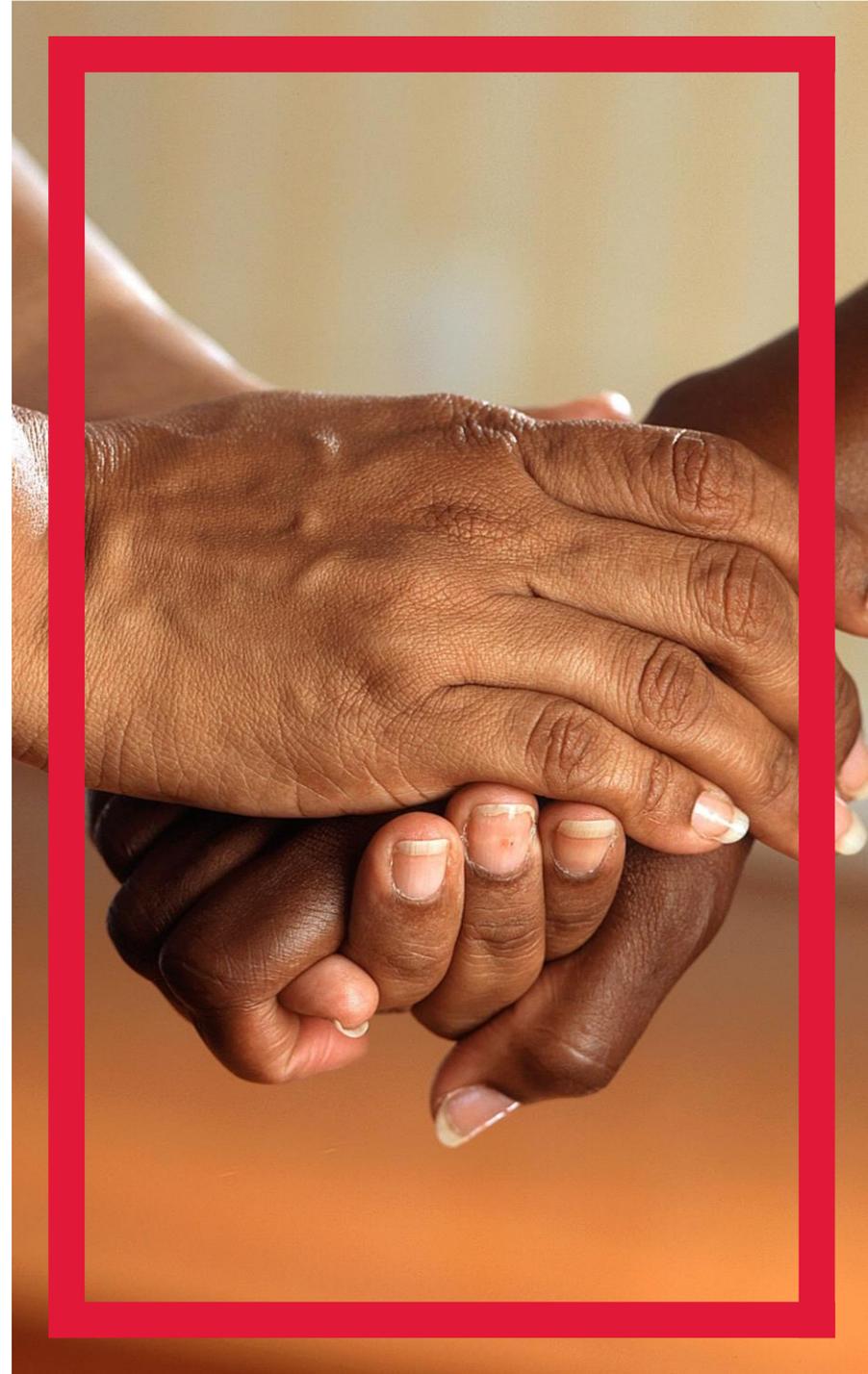
A photograph of a woman with dark, curly hair wearing a white face mask. A healthcare worker in a white coat is adjusting the mask on her face. The scene is set in a clinical or hospital environment. The text is overlaid on the image in a white, bold, sans-serif font with a red outline.

We envision a novel health care precinct, integrated with community partners, that will support the programming, research and innovation needed to advance health equity, improve health care, produce highly skilled talent and drive economic opportunity in a disrupted world.

The Vaughan Healthcare Innovation District

brings together Canada's first truly smart hospital with research, education, innovation and commercialization partners, working together with the City of Vaughan, to promote health equity and economic recovery for communities.

- Designed with and embedded in the Vaughan community, in one of Canada's most diverse and fastest growing regions
 - Population approaching 350,000 – doubled since 1991
- A special focus on elder and child/youth populations
- A multi-sector Living Lab to improve health with patient-centered models of care, creating businesses and the workforce of the future
- A catalyst to connect various service providers to stimulate and demonstrate best practices.

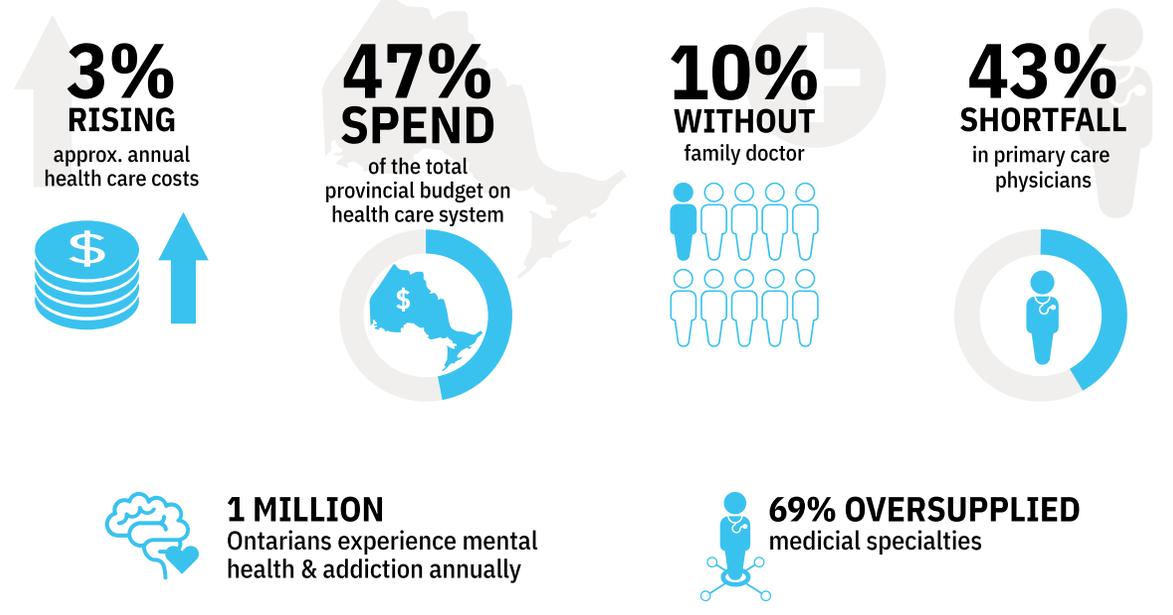


Key opportunities

- Preparing health workforce of the future by embedding education and professional learning into care settings
- Collaborating to translate research and innovation into policy and practice
- Pairing the Vaughan Cortellucci Hospital's smart technology with York University's data analytics and machine learning expertise
- Cyber-Physical Health Innovation and Commercialization Studio

An Opportunity at the VHCP: York University School of Medicine





“

Doing more of the same
in our approach to
health care and medical
education is not an
option.

”

The need for a new type of School of Medicine

We can change health outcomes from within by educating physicians of the future

We need:

- to address the **significant shortfall** in the number of primary care physicians (family, paediatrics, geriatrics, mental health) and hospitalists trained in Ontario
- to fundamentally redesign medical education using a **population health paradigm focused on preventive health care** to address growing chronic morbidities
- a patient-centred approach to health care
- to integrate **digital health solutions** to supplement compassionate care
- **integrated community-based health care** in collaboration with allied health care professionals
- to achieve **better access, improved quality, greater efficiency** and **greater equity** for society's most vulnerable



Four Design Imperatives

We will build

A School committed to **community-based primary care** that will keep more people healthy longer and living in their communities.

A School that embeds **global population health** in the curriculum to embed a **preventative approach** centering learning and research in and around the communities we serve.

A School that is **digitally-enabled, data-informed** and driven by design integrating virtual and in-person care.

A School that supports a holistic, ecological, spiritual and compassionate approach to culturally-affirming and **patient-centred** health care that allows our graduates to deliver **equitable health care**.

Guiding Principles

1

Integrate seamless care and movement of patients in a cohesive, community-based health care system

2

Train primary health care doctors as part of a team of health professionals

3

Integrate virtual care into practice of medicine with innovative digital health care solutions

4

Informed by equity, diversity and inclusion from access to medical school to care of patients

5

Actively seek to improve health outcomes of patients and a more efficient health care system through prevention



Why York University



Why York University

York University is an internationally recognized and progressive teaching and research university with a **strong foundation in health and health-related programs.**

York is known for its **interdisciplinary and interprofessional** strength that will underpin the School of Medicine curriculum.

York has well-established organized research units that will **drive evidence-based and innovative curriculum and practices.**

York has an **extensive network of partners** who support the York University Medical School including York Region, City of Vaughan, and Mackenzie Health.

York can deliver on a high- quality, unique medical curriculum grounded in a **community-based, population-health perspective** that will facilitate an integrated and distributed approach to health care.

York's Academic Strengths



Our range of programs inform an integrated understanding of healthcare and well-being that extends beyond the traditional acute medical care education delivered by many other university programs.

York University offers a range of bachelor and graduate degrees in health-related fields, including:

- One of Canada's largest Nursing and Nurse Practitioner programs
- Psychology
- Kinesiology and Health Sciences
- Health Policy
- Health Management
- Health Informatics
- Critical Disability Studies
- Global Health
- Social Work
- Neuroscience
- Plus expertise in disease modelling, digital health technology and data analytics

World-class Research and Innovation

York University researchers have developed innovative approaches to solving some of the most pressing questions in health care, disease and injury prevention, and the digital delivery of health care.

Health research strengths include:

- › Neuroscience
- › Mental Health
- › Global Health
- › Healthy Aging
- › Disease Modelling
- › Data Visualization
- › Advanced Robotics
- › Wellness & Technology
- › Clinical Psychology
- › Health Informatics
- › Nursing
- › Health Policy, Analytics and Management
- › Nutrition and Food security
- › Reducing Health Inequities
- › Muscle Health
- › Chronic Disease Prevention and Management
- › Vision
- › Bullying
- › Autism
- › Anti-Microbial Resistance





Deep Network of Partners

York University has established collaborative relationships with more than 200 regional and provincial health-related organizations and providers ready to come together as a community-based health learning network.

We collaborate with them on:

- experiential learning and internships for our students
- research and innovation projects
- continuing education and training
- public services (i.e. vaccine clinics, public education)

This includes virtually all acute-care hospitals in the Greater Toronto Area (GTA) as well as a few outside of the GTA. We also have relationships with primary care and community health agencies, rehabilitation centres, women's shelters and non-profit care providers.

Location

Our School of Medicine could be located in the **Vaughan Healthcare Centre Precinct**, adjacent to the Cortellucci Vaughan Hospital.

Based on an analysis of underserved and growing areas, **North Toronto, York Region, Simcoe County, the District of Muskoka and parts of rural Ontario** represent a critical area of focus for our School of Medicine.



Our Lead Partners

City of Vaughan

Mackenzie Health

The Regional Municipality of York



Community-based Learning Network

Using a decentralized community-based medical education model will mean that **the community is our campus**.

Our network will include:

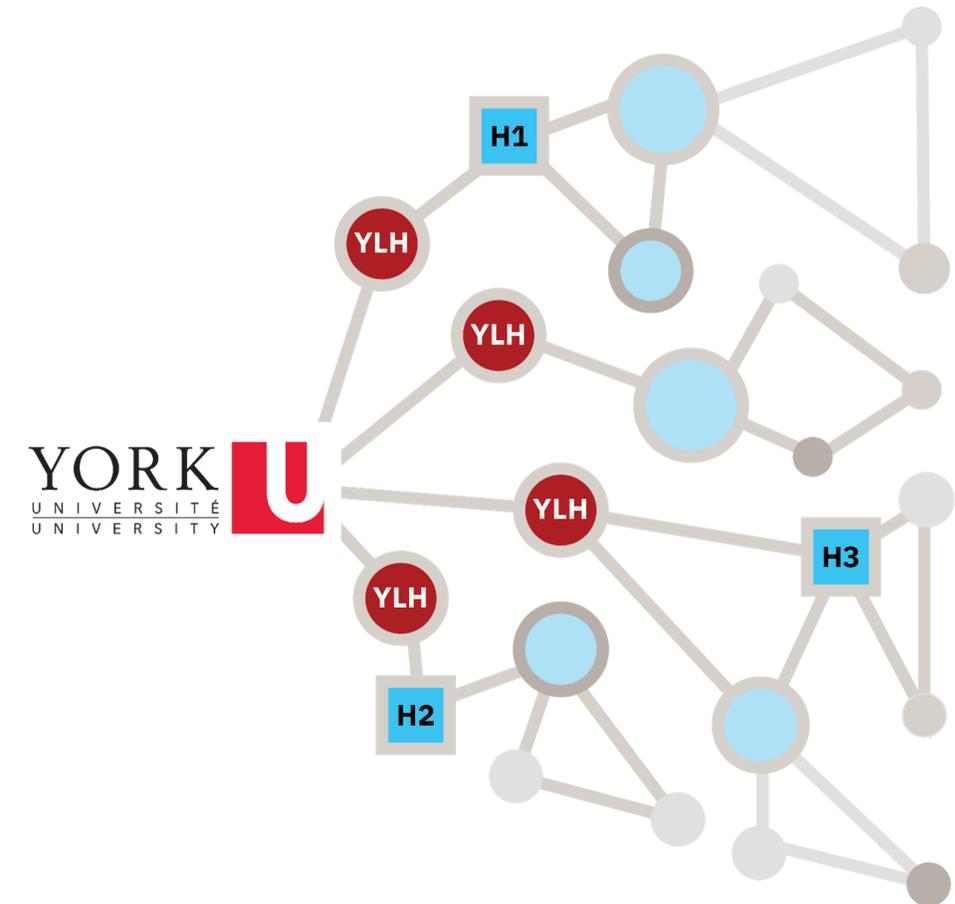
Hospitals

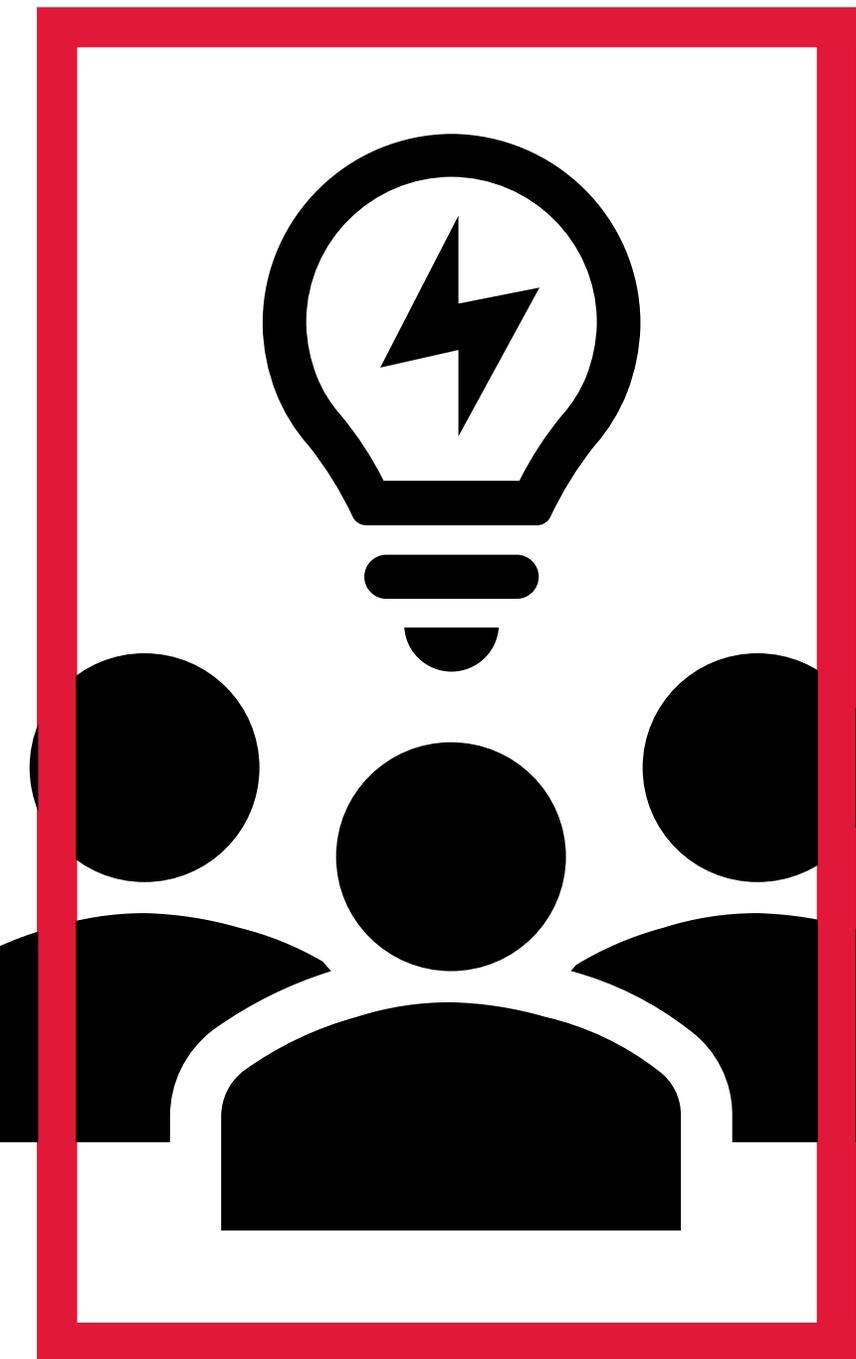
Ontario Health Teams (OHTs)

Primary Care

Health Care Services sites – long-term-care centres, community health centres, crisis centres, rehabilitation centres, social services, home care, mental health and addiction services, health promotion and disease prevention services, palliative care and other community and social services.

All sites will be linked and will **maximize digital platforms, tools and health informatics** that optimize clinical, social and other relevant services for integrated patient care and support.





Discussion Questions

1. What research, educational, community, partnership or other collaborative activities would you like to see York engage in at the Vaughan Healthcare Centre Precinct, with or without a School of Medicine?
2. Regarding the School of Medicine conceptual proposal, what resonates with you, and what seems missing or underdeveloped? What would you like to contribute to the proposal and to the School of Medicine?
3. What opportunities and challenges should the senior administration keep in mind in exploring the potential for the VHCP and a School of Medicine?