

A collaborative national approach to accelerate genomics into nursing: Lessons from the Canadian experience



CNG Website

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Toolkit

Background

Advancements in genomics contribute to enhanced disease prevention, diagnosis and treatment.

A skilled nursing workforce can ensure patients access safe and equitable genomics - informed healthcare.

Policy and professional practice infrastructure are required to support Canada's nursing workforce in integrating genomics into nursing practice.

A coordinated and harmonized national approach is required to accelerate genomics into nursing.

Methods

Two deliberative dialogues were held with nursing leaders representing regulatory bodies, professional associations and education.

Grounded in implementation science frameworks:

- Consolidated Framework for Implementation Research
- Assessment of Strategic Integration of Genomics Across Nursing Maturity Matrix
- Global Genomics Nursing Alliance's Roadmap

Provided opportunities for knowledge mobilization and partnership building.

Discussion

Four strategic directions were developed:

- 1) Raising awareness about genomics and fostering commitment to increasing genomic literacy.
- 2) Sustaining collaborative partnerships.
- 3) Increasing advocacy efforts and investments in workforce development.
- 4) Integrating genomics into nursing education.

A toolkit was created to support genomic literacy and curriculum integration of genomics content.