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Background/Aim

- Genomics is rapidly moving from specialty practice areas into routine primary care settings (Hayward et al., 2017).
- Research suggests Canadian nurses have low genomic literacy levels (Bottorf et al., 2005; Dewell et al., 2020; Hebert et al., 2022; Swadas et al., 2022).
- In Canada, there is a lack of education/supports to assist nurses to integrate genomics into practice (Limoges et al., 2022).
- **Canadian Nursing and Genomics (CNG)** was formed in 2020 to support Canadian nurses to develop genomic literacy & accelerate the integration of genomics into nursing practice.

Aim: To demonstrate how the CNG engagement framework can be used to identify priorities and guide action & leadership strategies to accelerate & sustain nurses' engagement with genomics.

Methods



Literature review to identify strategies to support nurses' genomic literacy.



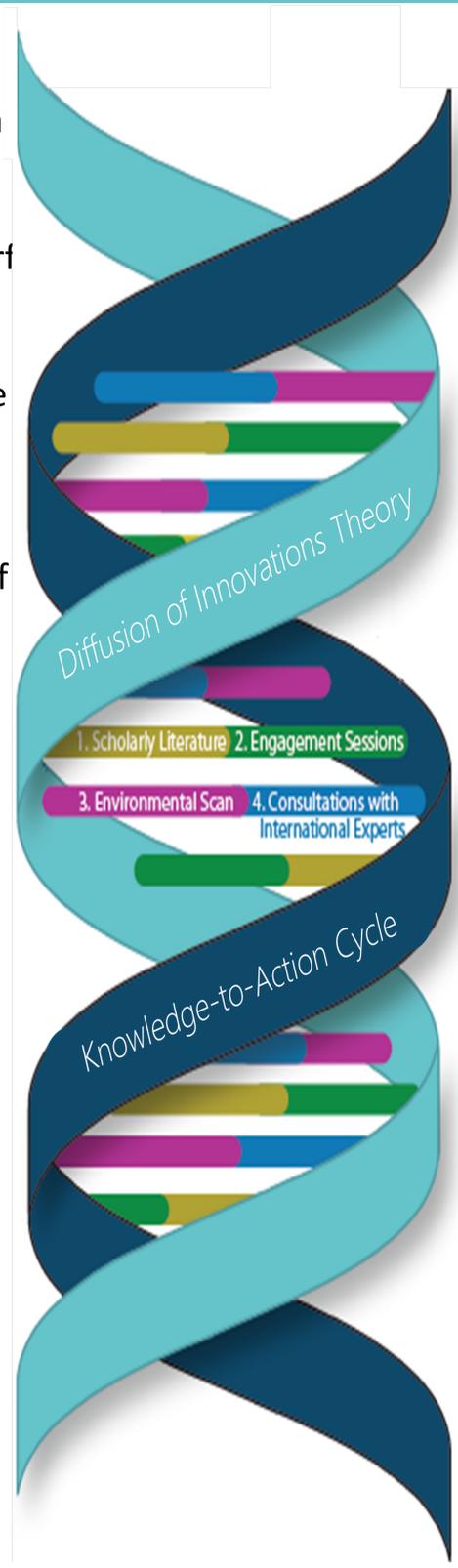
Focus groups with Canadian Nurses (n=27). Using the Interpretive Description method (Thorne, 2016).



Document Analysis of existing Canadian resources that address nursing & genomics.



Consultations with international experts in nursing and genomics.



Results: Six Key Priorities

1. Engage nurses to see clinical relevance of genomics.
2. Clarify nurses' unique & overlapping roles in genomics.
3. Develop knowledge for nursing practice through research.
4. Provide education & workforce development.
5. Support innovation & new care pathways with leadership.
6. Create infrastructure to support professional practice in genomics.

Discussion/Conclusion

- Nurse Leaders interested in accelerating the adoption of genomics into practice can use the six priorities for action & the engagement framework to structure strategies.
- Made-in-Canada knowledge & leadership strategies are required to ensure that nurses participate in genomics-informed practice.
- Nurses with genomic literacy can address equity & ethical issues associated with genetic testing to promote health for all.
- Visit us at www.nursingandgenomics.com.

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