DEVELOPING ENGAGEMENT STRATEGIES FOR GENOMICS-INFORMED NURSING

THE GENETICS AND GENOMICS IN NURSING PRACTICE SURVEY (GNGPS-CSA) STUDY

Nurses from Canada were invited to complete the Canadian adaptation of the GNGPS-CSA (GNGPS-CSA) and 1,233 responded. Of those, 97% take care of patients. A survey was generated that included questions related to their knowledge of genetics and genomics in practice.

WHAT WE LEARNED

- Nurses ranked the importance of understanding genetics and genomics in their role.
- Average KS = 8.06 (out of 10)
- Nurses who had received education in genetics in nursing school or in clinical practice had the highest knowledge scores.
- Nurses who had received education in genetics in nursing school or in clinical practice had the highest knowledge scores.
- While nurses’ genetic knowledge scores were moderate, few continue to use genomics in their care. Knowledge-based interventions are critical to integrate genetic knowledge into practice, especially in the areas of cancer, cardiovascular disease, and diabetes.

ONLINE LEARNING

- About 23% of nurses joined one or more of the training modules.
- Nurses with low genetic knowledge were more likely to use the online learning modules.
- The tool supports that knowledge and confidence influence nurses' receptivity for continuing genetic education.

NURSES STRENGTHS IN SOCIAL JUSTICE CAN ADVANCE GENOMICS-INFORMED PRACTICE

- Nurses recognize the importance of considering access to the social determinants of health, equity, and ethics when integrating genomics into practice.
- This is an important perspective given the equity and ethical issues associated with genomics.

CONCLUSIONS

- Nurses recognize the importance of including genomics in their role and practice; however, this can lead to challenges for patients.
- They recognize the need for integrated education to support the use of genomics in clinical care.
- Nurses recognize the importance of including genomics in practice and increase (70%) in genomics informed care influence health for all.

NEXT STEPS

- The survey results are critical to develop policies to support nurses in education, training, and quality and deliver genomic-informed practices.

Support provided by CIAA in support of knowledge sharing.
www.nursegeneinformatics.ca