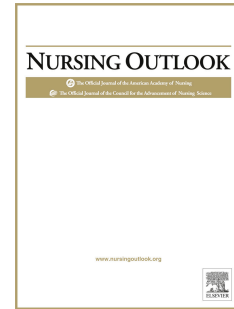


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Implementation science, genomic precision medicine, and improved health: A new path forward?

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Keywords: Implementation; genome; precision; nursing

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Abstract: **Background:** Implementation of genomic discoveries into healthcare optimally includes evaluation of outcomes for recipients of care, providers, payers, and health care systems. However, the influence of specific aspects of the implementation process on observed outcomes may be missed if assessment of implementation success is not built into the implementation design. The intersection of implementation science with genomics may provide new insights on how to maximize the benefits of emerging genomic technologies in healthcare. **Purpose:** In this summary, members of The Roundtable on Genomics and Precision Health, formerly the Roundtable on Translating Genomic-Based Research for Health, of the National Academies of Sciences, Engineering, and Medicine and the American Academy of Nursing explore challenges and opportunities for nurses to participate in implementing genomic discoveries into their practice informed by the principles of implementation science. **Discussion:** Implementation requires collaboration across disciplines. Nurses can take leadership roles in engaging key stakeholders in health care organizations, assuring that communications regarding implementation are consistent with genomic literacy for each group of stakeholders, and planning for evaluation of data to assess how each component of the implementation process affected the overall outcome for healthcare.

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