



NATIONAL ADVISORY COUNCIL FOR NURSING RESEARCH (NACNR) WORKGROUP

Data Science, Artificial Intelligence, and Health: Future Directions in Nursing Science

Charge:

Rapid developments in data science and artificial intelligence (AI) have tremendous implications for nursing science – for not only the research questions which need answers to improve health outcomes, but also for the science that can be used to answer those questions. The National Institute of Nursing Research (NINR) funds [nursing research and training](#) to solve pressing health challenges and inform practice and policy, toward the goal of advancing health equity. NINR’s interests related to AI are how it intersects with the social determinants of health and health equity. NINR is interested not only in the intersection of AI and healthcare, but also how AI is influencing upstream factors critical to health and health equity.

This working group is charged with recommending future directions for NINR-supported science and training around data science and AI. The working group will be comprised of experts in data science and AI in health research and related fields, from both within and outside of the nursing science community. The working group will consider the current state of the science aligned with NINR’s strategic vision and of the nursing science workforce; assess pressing research questions and training needs and opportunities in the nursing science field; and ultimately recommend to the Council areas of research and training where nursing science can potentially have the biggest impact in leveraging data science and AI to explore critical research questions related to the NINR.

Proposed Timeline:

Formation of CCH-WG	July through August 2023
Meetings of CCH-WG	September 2024 through January 2025
Draft recommendations to NACNR	January 28, 2025
Final Report to NACNR	May 2025

Roster:

Name	Affiliation
Patricia Stone, PhD, MPH, MSN, BSN, FAAN, FAPIC (Co-Chair)	Columbia University School of Nursing
Yvonne Bryan, PhD (NINR Co-Chair)	NINR
Jing Wang, PhD, MPH, RN, FAAN	Florida State University College of Nursing



Anne Fitzpatrick, PhD	Emory University School of Medicine
Soroush Saghafian, PhD, MS, MS	Harvard Kennedy School
Michael Cary, PhD, RN	Duke University School of Nursing
George Demiris PhD, FACMI	University of Pennsylvania
Mollie R. Cummins, PhD, RN, FAAN, FACMI	University of Utah College of Nursing