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Nursing Outlook

Volume 60, Issue 5, September–October 2012, Pages 280-288.e3

Anniversary Article

A nursing informatics research agenda for 2008–18: Contextual influences and key components

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<https://doi.org/10.1016/j.outlook.2012.06.001>

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Abstract

The context for nursing informatics research has changed significantly since the National Institute of Nursing Research-funded Nursing Informatics Research Agenda was published in 1993 and the Delphi study of nursing informatics research priorities reported a decade ago. The authors focus on 3 specific aspects of context—genomic health care, shifting research paradigms, and social (Web 2.0) technologies—that must be considered in formulating a nursing informatics research agenda. These influences are illustrated using the significant issue of healthcare associated infections (HAI). A nursing informatics research agenda for 2008–18 must expand users of interest to include interdisciplinary researchers; build upon the knowledge gained in nursing concept representation to address genomic and environmental data; guide the reengineering of

nursing practice; harness new technologies to empower patients and their caregivers for collaborative knowledge development; develop user-configurable software approaches that support complex data visualization, analysis, and predictive modeling; facilitate the development of middle-range nursing informatics theories; and encourage innovative evaluation methodologies that attend to human-computer interface factors and organizational context.



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