

Andrew B. Phillips PhD, RN

CURRICULUM VITAE

July 2024

Education

Doctor of Philosophy (Nursing Informatics), Columbia University School of Nursing, New York, NY	2012
Master of Arts in Philosophy (Nursing Informatics), Columbia University School of Nursing, New York, NY	2009
Bachelor of Science (Nursing), Columbia University School of Nursing, New York, NY	2008
Bachelor of Arts (Economics), Washington University in St. Louis, St. Louis, MO	1987

Postdoctoral Training

Laboratory for Informatics, Complexity and Organizational Study, Columbia University School of Nursing, New York, NY	2015-2017
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Certificates and Licensure

Registered Professional Nurse, Massachusetts # RN2283251	Exp. 8/2024
Registered Professional Nurse, New York #601497	Exp. 7/2025

Academic Appointments

Associate Professor, MGH Institute of Health Professions, Boston, MA	2020 –
Assistant Professor, MGH Institute of Health Professions, Boston, MA	2013 – 2020
Research Faculty, Director of Nursing Research, Spaulding Rehabilitation Network	2019 –
Faculty Nurse Scientist at Massachusetts General Hospital	2018 –
Adjunct Assistant Professor, Columbia University School of Nursing, New York, NY	2015 – 2018

Clinical Appointments

Staff Nurse, Westchester Medical Center, Valhalla, NY	2008 – 2010
Co-Chair, Nursing Quality Council, Westchester Medical Center, Valhalla, NY	2008 – 2010

Other Appointments and Positions

Past-President, New England Nursing Informatics Consortium	2023 –
President, New England Nursing Informatics Consortium	2022 – 2023
President-Elect, New England Nursing Informatics Consortium	2021 – 2022
Policy Advisor, Healthcare Association of New York State, Albany, NY	2013 – 2015
President and Founder, Erisasoft, LLC, New York, NY and Chicago, IL	2000 – 2007
National Director, Administration and Technology Consulting, The Segal Company, New York, NY	1998 – 2000
Vice President and Benefits Consultant, The Segal Company, New York, NY	1987 - 1998

Honors and Awards

Fellow, American Medical Informatics Association	2020
Partners Innovation Award (Partners Healthcare)	2017
Distinguished Poster Award (American Medical Informatics Association)	2015
Best Poster Nomination (MEDINFO, Capetown, South Africa)	2010

Sigma Theta Tau International Honor Society of Nursing 2009

Grants

Completed

National League for Nursing 2019 - 2022

NLN Foundation for Nursing Education Award, Andrew Phillips (PI)
Targeting and Prioritizing Gaps in Nursing Informatics Education: An Evaluation of Student and Faculty Competence and Employer Expectations.
\$15,000, direct costs
Co-Principal Investigator

Lena Sorenson Memorial Fund Award in Informatics (MGHIHP) 2018
(Travel Award for Presentation at AMIA)

MGH Institute of Health Professions Faculty Scholarship Award, Andrew Phillips (PI) 2017 – 2019
Piloting an Adaptive Agent Based Model to evaluate Frailty in the pre-elderly and elderly populations.
\$10,000, direct costs
Principal Investigator – Non-funded effort

Health Care Efficiency and Affordability Law for New Yorkers Capital Grant Program (HEAL NY) Phase 5 Evaluation, C023699, Sub-contract 08091300, Rainu Kaushal (PI) 2009 – 2012
Evaluation of Public Health Use Case Implementation
\$200,000 direct costs
Co-Investigator: (25% effort)

Submitted

National Institutes of Health (R-15) 2020
Modeling the impact of determinants of health on cardiovascular risk using an artificial intelligence agent-based approach
\$300,000 direct
Co-Principal Investigator: (20% Effort)
Scored – Not Funded

Robert Wood Johnson Foundation, Optimizing Value in Health Care: Consumer-Focused Trends from the Field. 2015
Development of a Complex Agent Based Model to Evaluate Patient Perceptions and Value within the Complex System of Healthcare
\$150,000 direct
Co-Principal Investigator: (25% effort)
Finalist – Not Funded

Publications

Peer-reviewed articles

1. **Phillips, A. B.**, Sordo, M., & Wood, L. J. (2020). Agent-Based Modeling to Examine Patient Behavior Within a Social Network: A Desire to Exercise Use Case. CIN: Computers, Informatics, Nursing, 38(12), 599–604.
<https://doi.org/10.1097/CIN.0000000000000700>

2. Banks, M., & **Phillips, A. B.** (2020). Evaluating the effect of automated hand hygiene technology on compliance and C. difficile rates in a long-term acute care hospital. *American Journal of Infection Control*. <https://doi.org/10.1016/j.ajic.2020.10.018>
3. **Phillips A**, Kennedy M, Collins S, Yen P-Y. Validation of the Nursing Informatics Competency Assessment for Registered Nurses. *Manuscript in preparation*. 2020
4. Oliver BJ, Pomerleau M, Potter M, **Phillips A**, Carpenter S, Ciesielski S, et al. Optimizing NCLEX-RN Pass Rate Performance Using an Educational Microsystems Improvement Approach. *Journal of Nursing Education*. 2018;57(5):265-74.
5. Collins S, Po-Yin Y, **Phillips A**, Kennedy MK. Nursing Informatics Competency Assessment for the Nurse Leader. *Journal of Nursing Administration*. 2017;47(4):212-218.
6. Yen PY, **Phillips A**, Kennedy MK, Collins S. Nursing Informatics Competency Assessment for the Nurse Leader: Instrument Refinement, Validation, and Psychometric Analysis. *Journal of Nursing Administration*. 2017;47(5):271-277.
7. **Phillips A**, Yen P-Y, Kennedy M, Collins S. Opportunity and Approach for Implementation of a Self-Assessment Tool: Nursing Informatics Competencies for Nurse Leaders (NICA-NL). In: Murphy J, Goossen W, Weber P, eds. *Studies in Health Technology and Informatics*. Vol 232. IOS Press; 2017.
8. Oliver BJ, Potter M, Pomerleau M, **Phillips A**, O'Donnell M, Cowley C, et al. Rapid Health Care improvement Science Curriculum Integration Across Programs in a School of Nursing. *Nurse educator*. 2017;42(5S):S38-S43.
9. **Phillips, AB**, & Merrill, JA (2015). Innovative use of the integrative review to evaluate evidence of technology transformation in healthcare. *Journal of biomedical informatics*, 58, 114-121
10. **Phillips, AB**, Wilson, RV, Kaushal, R, Merrill, JA. (2014). Implementing health information exchange for public health reporting: A comparative evaluation of three regional health information organizations in New York State. *Journal of the American Medical Informatics Association*, 21(1): e173-77
11. Low, AFH, **Phillips, AB**, Ancker, JS, Patell, AR, Kern, LM, & Kaushal, R. (2013). Financial effects of health information technology: A systematic review. *American Journal of Managed Care*, 19(11 Spec No.10), SP369-SP376.
12. Merrill, J, **Phillips, A**, Keeling, J, Kaushal, R, & Senathirajah, Y. (2013). Effects of automated immunization registry reporting via an electronic health record deployed in community practice settings. *Applied Clinical Informatics*, 4(2), 267-275

Submitted

1. Sordo, M, and Phillips, AB, (2023) An Adaptive Agent-Based Model for Observing Smoking Cessation Pattern, Social Network Analysis and Mining
2. Phillips, A, Kennedy, M, Collins, S, & Yen, PY. (2020). Validation of the Nursing Informatics Competency Assessment for Registered Nurses.

Books and chapters

Phillips, A, Yen, PY, Kennedy, M, & Collins, S. (2017). Opportunity and approach for implementation of a self-assessment tool: Nursing Informatics Competencies Assessment for Nurse Leaders (NICA-NL). In J. Murphy, W. Goossen, & P. Weber (Eds.), *Studies in Health Technology and Informatics* (Vol. 232): IOS Press

Peer-Reviewed Presentations and Abstracts

1. Christopher R., **Phillips, AB.**, Kennedy, MK., Sipe, M. (2023). Is competence enough? A multisite assessment of nursing faculty informatics competency and gaps in faculty preparation. [Podium Presentation] *Nursing Education Research Conference, National League for Nursing, Washington, DC.* 2023
2. Christopher R., Kennedy, MK., **Phillips, AB.**, Sipe, M. (2023). Targeting and Prioritizing Gaps in Nursing Informatics Education and Practice Perspectives. [Podium Presentation] *Nursing Education Research Conference, National League for Nursing, Washington, DC.* 2023
3. **Phillips, AB.**, Sipe, M., Kennedy, MK., Christopher R. (2022). A multisite assessment of nursing informatics competencies – nursing educator knowledge, employer needs, inconsistencies and priorities identified. [Podium Presentation] *Linking Informatics and Education Academic Forum Conference Proceedings American Medical Informatics Association 2022 Annual Symposium, Washington, DC,* 2022
4. **Phillips AB** & Sordo M. (2019). Agent Based Model to Evaluate Simple Behavioral Changes on Individual Health Over Time. *Proceedings American Medical Informatics Association 2019 Annual Symposium, Washington, DC* 2019
5. Banks, M., **Phillips, A.**, Keith, C., & Bruno-Murtha, L. A. (2019). Decreased Laboratory-Identified *Clostridioides difficile* Infections with Implementation of an Electronic Hand Hygiene Monitoring System in a Long-Term Acute Care Hospital. *ID Week 2019.* Presented at the ID Week 2019, Washington, DC. 2019
6. Sette, D., Batsis, J., Rotenberg, S., McClure, A., Gilbert-Diamond, D., Rothstein, R., & **Phillips, A.** (2019). Unexpected patient experiences at a rural academic weight loss center: Obesity stigma considerations and concerns. *30th International Nursing Research Congress.* Calgary, Alberta, Canada. 2019
7. Sette, D., Batsis, J., Rotenberg, S., McClure, A., Gilbert-Diamond, D., Rothstein, R., & **Phillips, A.** (2018). A mixed methods study of patient experiences and outcomes at a new rural academic weight loss center: Obesity stigma considerations and reflections. *Obesity Week 2018.* Nashville, TN. 2018
8. Sette, D., Batsis, J., Rotenberg, S., McClure, A., Gilbert-Diamond, D., Rothstein, R., & **Phillips, A.** (2018). A mixed methods study of patient experience and outcomes in a rural academic weight-loss center. *Obesity Week 2018.* Nashville, TN. 2018
9. Sette, D., Batsis, J., Rotenberg, S., McClure, A., Gilbert-Diamond, D., Rothstein, R., & **Phillips, A.** (2018). A mixed methods analysis of patient experience and outcomes at a new comprehensive, multidisciplinary rural academic weight loss program. *Obesity Week 2018.* Nashville, TN. 2018

10. **Phillips, AB**, Sordo, M, Palan Lopez R, Merrill J 2017. Developing a Framework for Evaluating Influencers of Frailty in Aging. *Proceedings American Medical Informatics Association 2017 Annual Symposium, Washington, DC* 2017
11. **Phillips, A.**, Yen, P.-Y., Kennedy, M., & Collins, S. 2016 Nursing Informatics Competencies: Psychometric Validation, Dissemination, and Maintenance of Self-Assessment Tool for Nurse Leaders. [Podium Presentation] *13th International Congress in Nursing Informatics, Geneva, Switzerland* 2016
12. **Phillips, AB**, Sordo, M. 2015. Use of an Adaptive Agent-Based Model in Evaluating Patient Preferences in Healthcare. *Proceedings American Medical Informatics Association 2015 Annual Symposium, San Francisco, CA* 2015
13. **Phillips, AB**, Lauzon-Clabo, L, Oliver, B. 2015. Applied learning for culture change: Empowering nursing faculty to become scholar-improvers: Pilot results of the MGH School of Nursing Faculty QI Task Forces Initiative. [Podium Presentation] *American Association of Colleges or Nursing – Masters Education Conference, St. Petersburg, FL* 2015
14. **Phillips, AB**, Merrill, JA. 2014. Missing Evidence for HIT Transformation in a Review of the Literature. [Podium Presentation] *Proceedings American Medical Informatics Association 2014 Annual Symposium, Washington, DC* 2014
15. Merrill, JA, Keeling, JW, **Phillips, AB**, Kaushal, R, Senathirajah, Y. 2013. Impact on immunization registry reporting following adoption of an electronic health record. *Proceedings American Medical Informatics Association 2013 Annual Symposium, Washington, DC* 2013
16. **Phillips, AB**, Merrill, JA 2012. Developing a punctuated equilibrium model for technology transformation in healthcare. *Proceedings American Medical Informatics Association 2012 Annual Symposium, Chicago, IL* 2012
17. **Phillips, AB**, Merrill, JA. 2012 Applying Observations from Technological Transformations in Complex Adaptive Systems to Inform Health Policy on Technology Adoption. 11th International Congress on Nursing Informatics. Montreal, Canada 2012
18. **Phillips, AB**, Kaushal, R, Merrill, JA. 2011. Governance Structures in State Health Information Exchange. *Proceedings of the American Medical Informatics Association 2011 Annual Symposium, Washington, DC* 2011
19. Merrill, J, **Phillips, AB**, Wilson, RV, Fredericks, KA, Deegan, M. and the HITEC investigators. (2011). New York State's role implementing health information exchange for public health reporting: A dynamic system evaluation model. Academy Health Annual Research Meeting, Seattle, WA 2011
20. Merrill, J, **Phillips, A**, Hripcsak, G, Kaushal, R. 2010. Evaluating health information exchange for public health. *Proceedings of the 13th World Congress on Medical and Health Informatics (MEDINFO), Capetown, South Africa.* 2010
21. **Phillips, A.** (2009). The effect of a standardized form in guiding communication between peers during the hand-off of patients in a hospital setting. 10th International Congress on Nursing Informatics. Helsinki, Finland. *Studies in health technology and informatics*, 146, 885 2009

Invited Presentations

<i>Nursing Informatics Research from an AI perspective (2023-2024) [Podium Presentation]</i> , New England Nursing Informatics Association – Annual Symposium, Boston, MA	2024
<i>What's New in NI Research [Podium Presentation]</i> , New England Nursing Informatics Association – Annual Symposium, Boston, MA	2023
<i>What's New in NI Research [Podium Presentation]</i> , New England Nursing Informatics Association – Annual Symposium, Boston, MA	2021
<i>What's New in NI Research [Podium Presentation]</i> , New England Nursing Informatics Association – Annual Symposium, Boston, MA	2019
<i>What's New in NI Research [Podium Presentation]</i> , New England Nursing Informatics Association – Annual Symposium, Boston, MA	2018
<i>Nursing Informatics Competency Assessment for Nurse Leaders [Panel]</i> , New England Nursing Informatics Association – Annual Symposium, Boston, MA	2017
<i>What's New in NI Research [Podium Presentation]</i> , New England Nursing Informatics Association – Annual Symposium, Boston, MA	2017
<i>Using Informatics for Public Health</i> , Clinical Leadership Collaborative for Diversity in Nursing, (CLCDN), University of Massachusetts College of Nursing and Health Sciences. Boston, MA	2013

Reports

Kennedy M, Phillips A. 2016. <i>The Massachusetts Nursing Core Competencies: A Toolkit for Implementation in Education and Practice Settings</i> ; Informatics and Technology Competencies, submitted to the Massachusetts Department of Education.	2016
Phillips, AB. 2014. <i>Summary of The Proposed Rule on Policies That Govern the Statewide Health Information Network For New York (SHIN-NY): Proposed Part 300 to Title 10 New York Codes, Rules, and Regulations (NYCRR)</i> , Hospital Association of New York, Albany, NY	2014

Technology Development

Patent

Nursing Informatics Competency Assessment for Nurse Leaders – NICA-NL	2017
Nursing Informatics Competency Assessment for Registered Nurses – NICA-RN	Pending

Web Sites

Nursing Informatics Competencies Assessment (NICA) Research Site, developer. https://general341.wixsite.com/nica	2018 – 2022
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Educational Activities

Courses taught

1. NH-720 – Research for Clinical Practice	2024
2. DNP-866 – Discovering the Theory and Science of Doctoral Nursing Practice	2017 – current
3. DNP-867-DLHB – Analyzing the Context of Health Systems Transformation	2017 – current
4. DNP-966CE – Translation of Evidence in DNP Practice	2017 – current
5. DNP-967 – Scholarship of Application to Advance the Practice of Nursing	2017 –

	current
<u>New Program Implemented for DNP 2017</u>	
6. Capstone Project (DNP Project) Proposal and Implementation. School of Nursing, MGH Institute of Health Professions	2013 – 2017
7. Capstone Project (DNP Project) Completion, School of Nursing, MGH Institute of Health Professions	2013 – 2017
8. Nursing Research: Analysis and Critique, School of Nursing, MGH Institute of Health Professions	2013 – 2016
9. Survey of Healthcare Informatics, School of Nursing, MGH Institute of Health Professions	2013 – 2014
10. Health Informatics Policy, School of Nursing, MGH Institute of Health Professions	2013 – 2014
11. Informatics Technology Concepts, School of Nursing, MGH Institute of Health Professions	2013 – 2014
12. Informatics Leadership and Applied Quality Improvement, School of Nursing, MGH Institute of Health Professions	2013 – 2015
13. Healthcare Policy and Politics, School of Nursing, MGH Institute of Health Professions	2013 – 2015
Curriculum development	
1. Certificate in Nursing Informatics, 12 credit certificate in nursing informatics taught over a 2 semester period, MGH Institute of Health Professions, School of Nursing, developer	2018 – 2018
2. Reformulation of Doctor of Nursing Practice Curriculum, 4 semester executive DNP program., MGH Institute of Health Professions, School of Nursing implemented 9/2017), co-developer	2017 – current
3. Nursing Informatics Specialty Track, Informatics Specialty (one of 4 specialties offered) required of all DNP Graduates until 2015, MGH Institute of Health Professions, School of Nursing, developer	2013 – 2015
External Educational Activities	
<i>What's New in NI Research [Podium Presentation]</i> , New England Nursing Informatics Association – Annual Symposium, Boston, MA	2018 – current
Professional Memberships and Activities	
American Medical Informatics Association	2008 –
• Member, Scientific Program Committee (2019 Annual Symposium)	
• Member, Nursing Informatics Working Group	2013 –
New England Nursing Informatics Consortium, member	2013 –
Policy Advisor, Healthcare Association of New York State, Albany, NY	2013 – 2015
Editorial Boards	
Peer Reviewer, <i>Computers, Informatics, Nursing</i>	2017 –
Peer Reviewer, <i>Journal of the American Medical Informatics Association</i>	2014 –
Peer Reviewer, <i>Applied Clinical Informatics</i>	2014 –
Peer Reviewer, <i>Journal of Biomedical Informatics</i>	2013 –
Peer Reviewer, <i>American Medical Informatics Association Annual Symposiums</i>	2012 –
Peer Reviewer, <i>International Congress on Nursing Informatics</i>	

Institutional Service

Member, Institutional Research and Effectiveness Working Group	2023
Member, Executive Committee on Research, Massachusetts General Hospital	2018 – 2020
Member, Research Operations Committee, MGH Institute of Health Professions	2018 – 2020
Chair, Evaluation Committee, MGH Institute of Health Professions, School of Nursing	2018 –
Member, CIPR-CCNE Mid-Term Accreditation Committee	2018 – 2019
Chair, Competency Evaluation Task Force, MGH Institute of Health Professions, School of Nursing	2016 – 2017
Co-Chair, Evaluation Committee, MGH Institute of Health Professions, School of Nursing	2014 – 2018
Member, Evaluation Committee, MGH Institute of Health Professions, School of Nursing	2013 – 2014
Chair, QI Advising Task Force	2013 – 2014