Constance Margaret Johnson, Ph.D., M.S., R.N., FAAN

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EDUCATION (highest level first)

Degree	Institution (location)	Date
Ph.D.	The University of Texas Health Science Center at Houston, School of Biomedical Informatics Houston, TX	2001–2003
M.S.	The University of Texas Health Science Center at Houston, School of Biomedical Informatics Houston, TX	1998–2001
B.S.N.	The University of Connecticut Storrs, CT	1974–1978
H.S. Diploma	Thomaston High School Thomaston, CT	1970–1974

LICENSURE & CERTIFICATION

State	Active or Inactive
Texas License # 592526	Date of License: 08/06/1993
North Carolina License # 211447	Inactive
Massachusetts License # 185213	Inactive
California License # 302533	Inactive

Scholarly Societies (past to current)

Society	Date (Year)
Sigma Theta Tau, International Honor Society of Nursing	2011–present

PROFESSIONAL EXPERIENCE (past to current)

Institution	Position title	Inclusive Dates
Highland Hospital	Registered Nurse	1979 – 1981
Children's Hospital	Registered Nurse	1981 – 1985
Tokos Medical Corporation	Registered Nurse	1985 – 1985
	Nurse Administrator	1985 – 1987
	Area Clinical Manager	1987 – 1988
	Clinical Research Associate	1988 – 1989
	Research Consultant	1989 – 1991
California Pacific Medical Center	Database Developer	1990 – 1992
University of Texas M. D. Anderson Cancer Center	Senior Research Nurse	1993 – 2001
	Project Manager	1997 – 2001
The University of Texas Health Science Center at Houston School of Biomedical Informatics	National Library of Medicine Fellow	2001 – 2003
University of Texas M. D. Anderson Cancer Center	Instructor	2003 – 2006
The University of Texas Health Science Center at Houston School of Biomedical Informatics	Adjunct Assistant Professor	2004 – 2012
University of Texas M. D. Anderson Cancer Center	Adjunct Assistant Professor	2006 – 2013
Duke University School of Nursing	Assistant Professor	2006 – 2012
	Lead Faculty - Nursing Informatics – USNWR ranked Duke Informatics Program = #3	2008 – 2014

	Associate Professor	2012 – 2015
	Faculty Coordinator, Systems Program	2014-2015
	Associate Professor with tenure	2015- 2016
	Senior Research Faculty, Lead Faculty for Clinical Innovations, Center for Nursing Research	2015 - 2016
Duke University School of Medicine, Department of Family and Community Medicine	Assistant Professor	2008-2012
	Associate Professor	2012 - 2016
Duke Center for Health Informatics	Leadership Team Member	2009 - 2016
The University of Texas Health Science Center at Houston School of Biomedical Informatics	Adjunct Associate Professor	2012 – 2016
The University of Texas Health Science Center at Houston School of Biomedical Informatics	Professor	2016-present
The University of Texas Health Science Center at Houston School of Nursing	Lee and J.D. Jamail Distinguished Professor Associate Dean for Research	2016- 2018
Duke University	Associate Professor Emerita	2016-present
The University of Texas Health Science Center at Houston Cizik School of Nursing	Lee and J.D. Jamail Distinguished Professor Associate Dean for Research Chair, Research Department Maria C. and Christopher J. Pappas Family Distinguished Chair in Nursing	2018 – present

HONORS & AWARDS   (past to current)

Award	Awarding Organization	Date
Scholarship Recipient from the Committee on the Status of Women	The University of Texas Health Science Center at Houston, Houston, TX	1999
Merit Scholarship Recipient	Association for Women in Science Gulf Coast Chapter, Houston, TX	2000
Best poster award, 60th Annual Symposium on Cancer Research for: Johnson, C.M., Ensor, J., Berry, D., & Members of the Colon, Breast, Prostate, Lung Cancer Risk Modeling Groups. A novel approach to building cancer risk models predictive of cancer incidence	University of Texas M.D. Anderson Cancer Center (October 11–13, 2007, Houston, TX)	October, 2007
Marlene Kramer Outstanding Alumni Award for Research in Nursing	The University of Connecticut School of Nursing	October, 2010
Nurse Leader	Sigma Theta Tau International Honor Society of Nursing	December, 2011
Award for paper making the greatest contribution to advance the field of nursing informatics, for: Johnson, C.J., & Shaw, R.J. (2012). A usability problem: Conveying health risks to consumers on the Internet. AMIA Annual Symposium Proceedings, Chicago, IL	2012 AMIA Nursing Informatics Harriet Werley	November, 2012
Fellowship	American Academy of Nursing	October, 2014
Distinguished Alumna Award	The University of Texas Health Science Center at Houston, School of Biomedical Informatics	May, 2018

GRANTS

Research Grants (past to current)

Redesign of a Genetics Tracking Program to Improve Ease and Use and Reduce Errors (ATP-011618-0077-199), Texas Higher Education Advanced Research, Principal Investigator (Todd Johnson, PhD), Investigator (Constance Johnson), $225,000, 1999 – 2001

Strategies to Help Inform Colorectal Cancer Risk Magnitudes (1-R03-CA132562-01), NIH/National Cancer Institute, Principal Investigator, $106,000, 09/2007 –08/2009

Information and Behaviors People with Diabetes Seek and Partake in Online (CTSA-TL1-RR024126-05), NIH CTSA/Duke Translational Medical Institute Predoctoral Scholarship, Principal Investigator (Ryan Shaw), Mentor (Constance Johnson), $5,000, 05/2009 – 08/2009

Development and Feasibility Testing of a Targeted Weight-Loss Sustaining Text Message Intervention (CTSA-TL1-RR024126-05), NIH CTSA/Duke Translational Medical Institute Pre–doctoral Scholarship, Principal Investigator (Ryan Shaw), Mentor (Constance Johnson), $5,200, 07/2010 – 09/2010

Sustaining Weight-loss Among People with Obesity Using Theoretically Tailored Messages via SMS (1F31-NR012599), NIH/National Institute of Nursing Research, Principal Investigator (Ryan Shaw), Sponsor (Constance Johnson), $124,140, 12/2010 – 08/2012

Second Life Impacts Diabetes Education & Self–Management (SLIDES) (R21-LM010727-01), NIH/ National Library of Medicine, Principal Investigator, $215,000, 05/2010 – 10/2012

Visualization of Multidimensional Data Obtained from a Virtual Environment Intervention, RENCI (Renaissance Computing Institute), Principal Investigator, $11,698, 07/2012 – 06/2014

Pioneering Health Information Technology (1-K99-LM011128-01A1), NIH/National Library of Medicine, Principal Investigator (Meredith Nahm), Faculty Sponsor/Research Advisory Committee (Constance Johnson), $413,335, 4/2012-3/2017

Qualitative Analysis of Voice Over Internet Protocol (VOIP) to Enhance Visualization of Multidimensional Data, Duke University School of Nursing ORA Small Grants, Principal Investigator, $9,000, 05/2013 – 06/2014

Diabetes Self-Management & Support LIVE (Learning in Virtual Environments (1R01-HL118189-01), NIH/National Heart, Lung, and Blood Institute, Co-Principal Investigator, $3,212,821, 6/2013 - 5/2018

Mobile Health Message Help Sustain Recent Weight Loss – Phase 2, DUSON ORA Small Grant Program, Principal Investigator (Ryan Shaw), Faculty Sponsor (Constance Johnson), $10,000, 06/2014 – 05/2015

Effects of Message Framing and Risk Feedback on CRC Screening (1 R21 CA181256-01), NIH/National Cancer Institute, Co-Investigator, $414,600, 9/2014 – 8/2016

Social Interaction and Support in a Type-2 Diabetes Computer Mediated Environment (1F31NR016622-01), NIH/National Institute of Nursing Research, Principal Investigator (Allison Lewinski), Sponsor (Constance Johnson), $45,501, 7/2016 – 12/2017

Bridging Recovery Allies in Virtual Environments (BRAVE). TIRR Memorial Hermann Health System. Principal Investigator (Hilary Touchett), Mentor (Constance Johnson), $10,000, 3/12/2018 – 3/31/2019.

Center for Clinical and Translational Sciences, NIH, Principal Investigator (David McPherson), Co-Lead, CTR-Core Translational Workforce Development Co-Lead (Constance Johnson), 7/1/2019-6/30/2024, $37,290,116. (25% effort)

LEveraging A viRtual eNvironment (LEARN) to Enhance Prevention of HIV-related Comorbidities in at-risk Minority MSM (1 K01 HL145580-01A1), NIH/NHLBI, Principal Investigator (Raquel Ramos), Consultant (Constance Johnson), $809,000, 9/1/2019 – 7/31/2024.

Measuring the symptom burden of patients with COVID-19: A qualitative study (Elizabeth W. Quinn Oncology Research Award, Principal Investigator (Meagan Whisenant), Faculty Sponsor (Constance Johnson), 8/11/2020 – 8/11/2021, $2998.00 (In-kind).

Facilitating Self and Proxy Symptom Assessments for Kids with Cancer, St. Baldrick's Foundation, Principal Investigator (Stacey Crane), Faculty Mentor (Constance Johnson), 07/01/2020-3/31/2021, $110,000 annually (In-kind).

Routine symptom monitoring and management in breast cancer using patient-reported outcomes measures. Cancer Prevention and Research Institute of Texas (CPRIT) - RR200054 . Principal Investigator (Whisenant), Mentor (Constance Johnson – In-kind), $500,000, 06/01/2020-05/31/2025.

Mentored Patient-Oriented Research Career Development Award – "Facilitating Comprehensive Self and Proxy Symptom Assessments for Children with Cancer" (K23 NR019294), National Institute of Nursing Research, Stacey Crane (Principal Investigator), Primary Mentor (Constance Johnson – In-kind), $445,144, 4/1/2021 - 3/31/2024.

Feasibility of a patient-centered, telehealth-delivered diabetes foot care educational program, ENDOCRINE NURSES SOCIETY (ENS), Hsiao-Hui "Joyce" Ju, (PI), Constance Johnson (Co-I) $1,000, 3/2021 – 3/2022.

Diabetes Learning In Virtual Environments Just In time for Community reEntry (Diabetes LIVE JustICE), ADA Health Disparities and Diabetes Innovative Clinical or Translational Science Award (ICTSHD), Reagan (PI), Johnson (Co-I), 11/2021, $600,000.

Educational Grants (past to current)

Interactive Nursing Education Using Second Life as the 3D Environment (3914079), Duke Center for Instructional Technology, Principal Investigator, $2,000, 06/2008-05/2009

Duke University Nursing Education Program (D09-HP09345-02), HRSA, Principal Investigator (Pamela Edwards, Project Faculty (Constance Johnson) (2010 only), $232,594, 2008 – 2011

Calling for Collaboration: Comparing Communication Devices for Enhanced GME Training and Quality Patient Care, Graduate Medical Education Innovations Fund, Duke University, Co-Principal Investigator, $80,328, 2009 – 2010

Health Informatics Workforce Training Program (UL1-RR024128-04), WFT CTSA Supplement: NCRR Administrative Supplements for Research Workforce Development and Dissemination, Principal Investigator (Robert Califf), Co-Investigator (Constance Johnson), $599,581, 08/2009 – 08/2011

Doctor of Nursing Practice (D09-HP14827), HRSA, Principal Investigator (Barbara Turner), Project Faculty (Constance Johnson), $865,601, 07/01/2009 – 06/30/2012

Curriculum Development Centers Program (1T150C00106-01), Office of the National Coordinator of Health Information Technology, Principal Investigator (William Hammond), Project Faculty (Constance Johnson), $1,820,000, 2010 – 2012

Immersive Learning Environment At Duke (ILE@D – pronounced "Iliad"), The Duke Endowment for the Nanaline Duke Trust, Principal Investigator (Edward Buckley), Co-Investigator (Constance Johnson), $2,250,000, 05/2009 – 05/2014 (NCE)

Other Funded Projects Including Contracts for Service (past to current)

NRC D2 EHR Information Design and Usability Toolkit (HHSA290200900023I), AHRQ/Westat, Principal Investigator, $383,745, 08/2010 – 08/2011

Development of a Model Electronic Health Record Format for Children (8704.03-S-004), AHRQ/Westat, Principal Investigator (Jeffrey Ferranti), Co-Investigator (Constance Johnson), $478,191, 03/2010–03/2012

MURDOCK Online Forms Evaluation and Feedback, Measurement to Understand the Reclassification of Disease of Cabarrus/Kannapolis (MURDOCK) Study, Principal Investigator, $3,937, 05/2012 – 08/2012

Aging and Health Informatics Conference, (1R13AG067668-01), NIA R13, Principal Investigator (Bo Xie), Conference Planning Committee Member (Constance Johnson), $49,992, 08/15/2020- 7/31/2021.

Grants under Review

Self-management EdUcation and SuPport to Promote PsychOsocial Health among StRoke Survivors and Informal Caregivers in a VirTual Stroke Community (SUPPORT), Principal Investigator (Jennifer Beauchamp), Co-Investigator (Constance Johnson), NIH/NINR, 2020 - to be resubmitted

Harvesting Mobile Technologies and Digital Analytics for Personalized Diabetes Self-Management, NINR-R01, 10/2020, Scored, not funded, to be resubmitted (unable to resubmit in June due to broken shoulder), Johnson, (PI).

The utility of Tele-yoga as a digital intervention for the treatment of Long-Haul COVID 19 symptoms, R01, NIH/NIAID, Choi (PI), Johnson (Co-I), 3/2021 (to be resubmitted).

*A Nurse-Led Intervention Fostering **S**elf-management Ed**U**cation and Su**P**port to **P**romote Psych**O**social Health among Hispanic St**R**oke Survivors and Informal Caregivers in a Vir**T**ual and **H**ispanic Stroke Community, Hillman Foundation, Beauchamp (PI), Johnson, (Co-I), 4/2021 (to be resubmitted)*

Social Support and Network, Inflammation, and Depressive Symptoms among Stroke Survivors. Submitted to NIH/NINDS – R01, Beauchamp (PI), Johnson (Co-I) 3/2021 (to be resubmitted)

Optimizing Gestational Diabetes Self-Management Among Minority Women: the HAPPE (HeAlthy Pregnancy for Patient Engagement) digital ecosystem. Submitted to NIH/NIDDK, Johnson (PI) 2/5/2022 (Under review)

PUBLICATIONS

Peer Reviewed Publications (* = databased; ^ = Senior Author)

*Morrison, J.C., Martin, R.W., **Johnson, C**., & Hess, L.W. (1990). Characteristics of uterine activity in gestations less than 20 weeks. *Obstetrics and Gynecology, 76*(1 Suppl), 60S–62S. PMID: 2359582

*Watson, D.L., Welch, R.A., Mariona, F.G.., Lake, M.F., Knuppel, R.A., Martin, R.W., **Johnson, C.**, Bentley, D.L., Hill, W.C., Fleming, A.D., & Morrison, J. (1990). Management of preterm labor patients at home: Does daily uterine activity monitoring and nursing support make a difference? *Obstetrics and Gynecology, 76*(1 Suppl), 32S–35S. PMID: 2359576

*Allbert, J.R**., Johnson, C**., Roberts, W.E., Martin, R.W., Gookin, L.S., & Morrison, J.C. (1994). Tocolysis for recurrent preterm labor using a continuous subcutaneous infusion pump*. Journal of Reproductive Medicine, 39*(8), 614–618. PMID: 7996525

*Levin, B., Hess, K., & **Johnson, C**. (1997). Screening for colorectal cancer. A comparison of 3 fecal occult blood tests. *Archives of Internal Medicine, 157*(9), 970–976. PMID: 9140267

*Jen, J**., Johnson, C**., & Levin, B. (1998). Molecular approaches for colorectal cancer screening. *European Journal of Gastroenterology & Hepatology, 10*(3), 213–217. PMID: 9585023

*Steinbach, G., Ford, R., Glober, G., Sample, D., Hagemeister, F.B., Lynch, P.M., McLaughlin, P.W., Rodriguez, M.A., Romaguera, J.E., Sarris, A.H., Younes, A., Luthra, R., Manning, J.T., **Johnson, C.M.**, Lahoti, S., Shen, Y., Lee, J.E., Winn, R.J., Genta, R.M., Graham, D.Y., & Cabanillas, F.F. (1999). Antibiotic treatment of gastric lymphoma of mucosa-associated lymphoid tissue: An uncontrolled trial. *Annals of Internal Medicine, 131*(2), 88–95. PMID: 10419446

*Johnson, C.M., Johnson, T., & Zhang, J. (2000). Increasing productivity and reducing errors through usability analysis: A case study and recommendations. *Proceedings AMIA Annual Symposium, 2000,* 394–398. PMID: 11079912. PMCID: PMC2243897

*Dong, S.M., Traverso, G., **Johnson, C**., Geng, L., Favis, R., Boynton, K., Hibi, K., Goodman, S.N., D'Allessio, M., Paty, P., Hamilton, S.R., Sidransky, D., Barany, F., Levin, B., Shuber, A., Kinzler, K.W., Vogelstein, B., & Jen, J. (2001). Detecting colorectal cancer in stool with the use of multiple genetic targets. *Journal of the National Cancer Institute, 93*(11), 858–865. PMID: 11390535

*Traverso, G., Shuber, A., Levin, B., **Johnson, C**., Olsson, L., Schoetz, D.J. Jr., Hamilton, S.R., Boynton, K., Kinzler, K.W., & Vogelstein, B. (2002). Detection of APC mutations in fecal DNA from patients with colorectal tumors. *New England Journal of Medicine, 346*(5), 311–320. PMID: 11821507

*Traverso, G., Shuber, A., Olsson, L., Levin, B., **Johnson, C**., Hamilton, S.R., Boynton, K., Kinzler, K.W., & Vogelstein, B. (2002). Detection of proximal colorectal cancers through analysis of faecal DNA. *The Lancet, 359*(9304), 403–404. PMID: 11844514

*Traverso, G., Diehl, F., Hurst, R., Shuber, A., Whitney, D., **Johnson, C**., Levin, B., Kinzler, K.W., & Vogelstein, B. (2003). Multicolor in vitro translation. *Nature Biotechnology, 21*(9), 1093–1097. PMID: 12910244

*Johnson, T.R., Zhang, J., Tang, Z., **Johnson, C.**, & Turley, J.P. (2004). Assessing informatics students' satisfaction with a web-based courseware system. *International Journal of Medical Informatics, 73*(2), 181–187. PMID: [15063378](#)

***Johnson, C.M.**, Johnson, T.R., & Zhang, J. (2005). A user-centered framework for redesigning health care interfaces. *Journal of Biomedical Informatics, 38*(1), 75–87. PMID: [15694887](#)

***Johnson, C.M.**, & Turley, J.P. (2006). The significance of cognitive modeling in building healthcare interfaces. *International Journal of Medical Informatics, 75*(2), 163–172. PMID: [16085454](#)

*Bernstam, E.V., Pancheri, K.K., **Johnson, C.M.**, Johnson, T.R., Thomas, E.J., & Turley, J.P. (2007). Reasons for after–hours calls by hospital floor nurses to on-call physicians. *Joint Commission Journal on Quality and Patient Safety, 33*(6),342–349. PMID: [17566544](#)

Johnson, C.M., & Turley, J.P. (2007). A new approach to building web-based interfaces for healthcare consumers. *electronic Journal for Health Informatics, 2*(2), e8. Access at: http://www.ejhi.net/ojs/index.php/ejhi/article/view/30/21

Johnson, C.M., & Smolenski, D. (2007). Risk assessment models to estimate cancer probabilities. *Current Oncology Reports, 9*(6), 503–508. Invited paper in peer–reviewed journal.

Nahm, M., **Johnson, C.**, Walden, C.A., Johnson, T., & Zhang, J. (2008). Clinical research data management tasks and definitions. *Data Basics, 16*(1). Available through: http://www.scdm.org. (Peer-reviewed – not indexed)

Johnson, C.M., Vorderstrasse, A., & Shaw, R. (2009). Virtual worlds in health care higher education. *Journal of Virtual Worlds Research, 2*(2), 2–9. (Invited paper in peer–reviewed journal.) http://journals.tdl.org/jvwr/index.php/jvwr/article/viewFile/699/498

*Stewart, D.J., **Johnson, C.,** Lopez, A., Glisson, B., Rhee, J.M., & Bekele, B.N. (2010). Extensive disease small cell lung cancer dose-response relationships: implications for resistance mechanisms. *Journal of Thoracic Oncology, 5*(11), 1826–1834. PMID: 20881640. PMCID: [PMC2966343](#)

*Johnson, C.M., Nahm, M., Shaw, R.J., Dunham, A., Newby, K., Dolor, R., Smerek, M., Del Fiol, G., & Zhang, J. (2010). Can prospective usability evaluation predict data errors? *AMIA Annual Symposium Proceedings, 2010,* 346–350. (Nominated for the Harriet H. Werley Award). PMID: 21346998. PMCID: [PMC3041437](#)

^Phillips, B., Shaw, R.J., Sullivan, D.T., & **Johnson, C**. (2010). Using virtual environments to enhance nursing distance education. *Creative Nursing, 16*(3):132–135. PMID: [20879622](#)

^Harrington, L., Kennerly, D., & **Johnson, C.** (2011). Safety issues related to the electronic medical record (EMR): Synthesis of the literature from the last decade, 2000–2009. *Journal of Healthcare Management, 56*(1), 31–43, discussion 43–44. PMID: [21323026](#)

*^Taylor, H.A., Sullivan, D., Mullen, C., & **Johnson, C.M.** (2011). Implementation of a user–centered framework in the development of a web-based health information database and call center. *Journal of Biomedical Informatics, 44*(5), 897–908. PMID: [21396486](#)

***Johnson, C.M.,** Corazzini, K.N., & Shaw, R. (2011). Assessing the feasibility of using virtual environments in distance education. *Knowledge Management & E-Learning: An International Journal*, 3(1):5–17, 2011. (Indexed in Information Systems Journals). Access article at: http://www.kmel-journal.org/ojs/index.php/online-publication/article/view/68/72

*^Shaw, R.J., & **Johnson, C.M.** (2011). Health information seeking and social media use on the internet among people with diabetes. *Online Journal of Public Health Informatics*, 3(1), ojphi.v3i1.3561. (9 pages). PMID: 23569602. PMCID: PMC3208902

***Johnson, C.M.,** & Shaw, R.J. (2012). A usability problem: Conveying health risks to consumers on the internet. *AMIA 2012 Annual Symposium Proceedings, 2012*, 427–435. Winner of Harriet H. Werley Award for paper making the greatest contribution to advance the field of nursing informatics. PMID: 23304313. PMCID: PMC3540473

***Johnson, C.M.,** Wei, C., Ensor, J.E., Smolenski, D.J., Amos, C.I., Levin, B., & Berry, D.A. (2013). Meta-analyses of colorectal cancer risk factors. *Cancer Causes & Control*, 24(6):1207–1222. PMID: 23563998

^De Gagne, J.C., Oh, J., Kang. J., Vorderstrasse, A.A., & **Johnson, C.M**. (2013). Virtual worlds in nursing education: A synthesis of the literature. *Journal of Nursing Education, 52*(7), 391–396. PMID: 23755942

*^Shaw, R.J., Bosworth, H.B., Hess, J.C., Silva, S., Lipkus, I., Davis, L.L., & **Johnson, C.M.** (2013). Development of a theoretically driven mHealth short message service (SMS) application for sustaining weight loss. *JMIR mHealth and uHealth, 1*(1):e5. PMID: 25100678 PMCID: PMC4114452

*^Shaw, R.J., Bosworth, H.B., Silva, S.G., Lipkus, I.M., Davis, L.L., Sha, R.S., & **Johnson, C.M.** (2013). Mobile health messages help sustain recent weight loss. *The American Journal of Medicine, 126*(11),1002–1009. PMID: 24050486. PMCID: PMC3820279 [available through PubMed Central11/1/2014].

*^Harrington, L., Clyne, K., Fuchs, M.A., Hardison, V., & **Johnson, C.** (2013). Evaluation of the use of bar–code medication administration in nursing practice using an evidence-based checklist. *JONA: The Journal of Nursing Administration, 43*(11), 611–617. PMID: 24153204

^Vorderstrasse, A., Shaw, R.J., Blascovich, J., & **Johnson, C.M.** (2014). A theoretical framework for a virtual diabetes self-management community intervention. *Western Journal of Nursing Research,* Oct;36(9):1222-37. doi: 10.1177/0193945913518993 PMID: 24451083 PMCID: PMC4296559 NIHMSID: NIHMS652983

***Johnson, C.,** Feinglos, M., Pereira, K., Hassell, N., Blascovich, J., Nicollerat, J., Beresford, H., Levy, J., & Vorderstrasse, A. (2014). Feasibility and preliminary effects of a virtual environment for adults with type 2 diabetes: Pilot study. *JMIR Res Protoc 2014;3(2):e23)* doi:10.2196/resprot.3045. PMID: 24713420. PMCID: 4004161.

*^Shaw, R.J., Steinberg, D., Zullig, L.L., Bosworth, H.B., **Johnson, C.M.,** Davis, L.L. (2014). mHealth interventions for weight loss: A guide for achieving treatment fidelity. *Journal of the American Medical Informatics Association,* 2014 Nov-Dec;21(6):959-63. doi: 10.1136/amiajnl-2013-002610 PMID: 24853065. PMCID: PMC4215047.

^Johnson, C., Feenan, K., Setliff, G., Pereira, K., Shaw, R., Hassell, N., Beresford, H., Epps, S., Nicollerat, J., Tatum, W., Feinglos, M., & Vorderstrasse, A. (2014). Building a virtual environment for diabetes self-management education and support. *International Journal of Virtual Communities and Social Networking (IJVCSN),* 5(3), 68-80, July-September2014. DOI: 10.4018/ijvcsn.2013070105 PMCID: PMC4330567

***Nagler, A., Schlueter, J., **Johnson, C.**, Griffith, B., Prewitt, J., Sloane, R., & Adams, M. (2014). Calling for collaboration: Piloting smartphones to discover differences between users and devices. *Teaching and Learning in Medicine: An International Journal*, 26:3, 258-265, DOI: 10.1080/10401334.2014.910461, PMID: 25010237.

*^Shaw, R.J., Horvath, M.M., Leonard, D., Ferranti, J.M., & **Johnson, C.M.** (2015). Developing a User-friendly Interface for a Self-service Healthcare Research Portal: Cost-effective Usability Testing. *Health Systems Journal*. 4, 151-158. doi:10.1057/hs.2014.26.

Pereira, K, Phillips, B, **Johnson, C**, Vorderstrasse, A. (2015) Internet Delivered Diabetes Self-Management Education: A Review. Diabetes Technology and Therapeutics. Jan;17(1):55-63. doi: 10.1089/dia.2014.0155. PMID: 25238257.

*^Rose, M., Hanna, L.A., Nur, S., & **Johnson, C**. (2015). Utilization of electronic modified early warning score to engage rapid response team early in clinical deterioration. Journal for Nurses in Professional Development: May/June 2015;31(3): E1-E7. PMID: 25993463. . doi: 10.1097/NND.0000000000000157.

^Vorderstrasse, A, Melkus, G, Lewinski, A, **Johnson, CM**. (2015). Diabetes Learning in Virtual Environments: Testing the Efficacy of Self-Management Training and Support in Virtual Environments (Randomized Controlled Trial Protocol). *Nursing Research* November/December, 64(6):485-494. PMCID:PMC4624251. doi: 10.1097/NNR.0000000000000128.

Jenko, M., Adams, J., Johnson, C.M., Thompson, J.A., Bailey, D.A. (2015). Facilitating palliative care referrals in the ICU: A pilot project. Dimensions of Critical Care Nursing*. Nov-Dec;34(6):329-39. PMID:26436297 [PubMed - in process]. doi: 10.1097/DCC.0000000000000143.

*Zozus, M., Pieper, C., **Johnson, C.M**., Johnson, T.R., Franklin, A., Smith, J., & Zhang, J. (2015). Factors impacting accuracy of data abstracted from medical records. *PlosOne*. 10(10): e0138649. PMCID: PMC4615628

*^Whiting, K, Harrington, L, Matos, P, Turner, B, **Johnson, C.** (2016). Creating a Culture of Safety around Bar-Code Medication Administration: An Evidence-Based Evaluation Framework. The Journal of Nursing Administration. 2016 Jan;46(1):30-7. PMID:26641468

*^Richardson, K., Sengstack, P., Doucette, J.N., Hammond, W.E., Schertz, M., Thompson, J., **Johnson, C.** (2016). Evaluation of Nursing Documentation Completion of Stroke Patients in the Emergency Department: A Pre-Post Analysis Using Flowsheet Templates and Clinical Decision Support. Computers, Informatics, Nursing, 2016 Feb;34(2):62-70. doi: 10.1097/CIN.0000000000000206. PMID:26679006

^Vorderstrasse, A, Lewinski, A, D'Eramo Melkus, G, **Johnson, C.** (2016). Social Support for Diabetes Self-Management via eHealth Interventions. Current Diabetes Reports, 16: 56. doi:10.1007/s11892-016-0756-0. PMID:27155606

*^Meehan, RA, Mon, D, Kelly, K, Rocca, M, Dickinson, G, Ritter, J, **Johnson, C.** (2016). Increasing EHR system usability through standards: conformance criteria in the HL7 EHR-system functional model. Journal of Biomedical Informatics, 63:169-173. PMID:7523469

*Reagan, L, Pereira, K, Jefferson, V, Evans Kreider, K, Totten, S, D'Eramo Melkus, G, **Johnson, C,** Vorderstrasse, A. (2016). Diabetes Self-Management Training in a Virtual Environment. The Diabetes Educator, 43(4): 413-421. DOI: https://doi.org/10.1177/0145721717715632

*^Docherty, S, Vorderstrasse, A, Brandon, D, **Johnson, C**. (2017). Visualization of Multidimensional Data in Nursing Science. Western Journal of Nursing Research, 39(1): 112-126. DOI: 10.1177/0193945916672448. PMID:27756850

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Patents granted

Title of Patent: Method of diagnosing colorectal adenomas and cancer using proton magnetic resonance spectroscopy.
Applicants (alphabetical order): Bezabeh, T., Bernstein, C.N., **Johnson, C.**, Levin, B., Smith, I.C.P.

- U.S. Patent No.: US 6,821,784 B1 (Granted 11/23/2004).
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Vorderstrasse A., **Johnson, CM** (2014). Using Second Life Web-Based Applications in Diabetic Patients in a Cardiovascular Seminar entitled How to Leverage Technology in Patient Self-Management. American Heart Association Annual Meeting, Chicago, IL, November 16-19, 2014.

Vorderstrasse, A. Melkus, G, **Johnson, C**. (2015). Creating a gaming platform for adult diabetes self-management education and support. *7th International Conference on Advanced Technologies & Treatments for Diabetes*, February 18-21, 2015, Paris, France.

Johnson, C.M., Ritter, J. (2015) EHR System Usability: Background, Challenges and the Standards Based Approach. Heath Level Seven International 29th Annual Plenary & Working Group Meeting , October 6 – 9, 2015, Atlanta, GA.

Jenko, M., Adams, J. A., **Johnson, C. M**., Thompson, J. A., & Bailey, D. E. (2015, October). Empowering the Bedside Nurse: Changing Structures and Processes of Palliative Care. Poster session presented at the Clinical Practice Forum of the Hospice and Palliative Nurses Association, Pittsburgh, PA, October 23-24, 2015.

Jenko, M., Adams, J. A., **Johnson, C. M.,** Thompson, J.A., & Bailey, D. E. Empowering the bedside nurse: Changing structures and processes of palliative care. Poster presented at 2nd Annual BayCare Nursing Research Conference. Clearwater, FL. April 29, 2016.

Rocca, M. Meehan, R., Ritter, J., Dickinson, G, Kelly, K, Barrett, L, Budreau, E, **Johnson, C.** Developing standards for usability in electronic health records: Challenges and Opportunities. *Proceedings of the AMIA Symposium 2016, Chicago, IL, November, 2016.*

Johnson, CM, Amarasekara, S, Pan, W, Updegraff, JA, Lipkus, I. Reactions to Colorectal Cancer Risk Estimates among a Nationally Representative Sample of Adults Who Have Never Been Screened. Presented at the Society of Behavioral Medicine, San Diego, CA, 38th Annual Meeting, March 29 – April 1, 2017

Vorderstrasse, A., Melkus, GD, Feinglos, M., Pan, W, Chang, J., Pereira, K., Reagan, L., Kathryn Kreider, K., Totten, S., Burd, A., Nowlin, S., Birdsall, S, **Johnson, CM**. Virtual Environment for Diabetes Self-management Education And Support: Preliminary RCT Outcomes. Presented at American Heart Association, Anaheim, CA, November 11-15, 2017.

Lewinski, A.A., Anderson, R.A., Vorderstrasse, A.A., Fisher, E.B., Pan, W., & **Johnson, C.M**. Virtual Environments Provide the Full Range of Support to Adults Living with Chronic Illness. Presented at the Society for Behavioral Medicine, New Orleans, LA USA. April 11th – 14th, 2018.

Touchett, H, **Johnson, C,** Wood, G, Santa Maria, D. Theory Use in Social Communication Interventions for persons with TBI- A Systematic Review. Disability Program of the APHA's 2018 Annual Meeting & Expo, San Diego, CA, November 10 - 14, 2018.

Lewinski, A.A., Anderson, R.A., Vorderstrasse, A.A., Fisher, E.B., Pan, W., & **Johnson, C.M.** Qualitative Coding and Analysis of Conversations in a Virtual Environment: Developing Methods to Gain Insight into Real-Time Interaction and Support. National Institutes of Nursing Research (NINR) 2018 Boot Camp Precision Health: Smart Technologies, Smart Health; Bethesda, MD USA. July 23rd, 2018.

Touchett, H, Santa Maria, D, Vorderstrasse, A, Sherer ,M, and **Johnson, CM**. Social Support Post-TBI: Bridging Access With Virtual Environments. Association of Rehabilitation Nurses REACH conference, Columbus, OH, Nov. 6-9, 2019.

Udelson, JE, Kabar, AK, Johnson, NP, Johnson, CM, Samady, H, Wei, J. Microvascular Disease: More than Just a Small Problem. Annual Scientific Session of the American Society of Nuclear Cardiology. Chicago, IL, September 12-15, 2019.

Garcia, D, **Johnson, CM**, Gray, J, Wagner, C. Developing a Transition Program to Mobilize Clinicians to Engage Adolescent Patients in Health Care Transition Planning. Presented at 11th Annual Health Care Transition Research Consortium, Houston, Texas, October 23, 2019.

Vorderstrasse, A, Melkus, GD, Pan, W, Amarasekara, S, **Johnson, CM.** Engaging Adults in Physical Activity Diabetes Self-Management Data Collection: Diabetes LIVE™© Study, Council for the Advancement of Nursing Science, Washington, DC, October 24, 2019.

Vorderstrasse, A, Melkus, GD, Reagan, L., **Johnson, CM.** Results Of The Diabetes Live Trial: An Immersive Virtual Environment For Diabetes Self-management Training And Support, American Heart Association Conference, Philadelphia, PA, November 16-18, 2019.

Naqvi I.A., Casameni Montiel T., Varughese T., Ancer Leal A., Bittar Y., Hunter N., Okpala M.N., Johnson C.M., Savitz S. I., Sharrief, A.Z., Beauchamp, J. E. S. Comparable Internet Access and Usage among Stroke Survivors and Informal Caregivers. International Stroke Conference, Los Angeles, CA, February 19-21, 2020.

Amarasekara, S, Johnson, C, Vorderstrasse, A, Pan, W. Longitudinal effects of virtual environments, physical activity, and dietary intake on metabolic outcomes in adults with type 2 diabetes. APHA 2020, San Francisco, CA., October 24-28, 2020.

Perez Aldana, C.A., Lewinski, A, Johnson, C, Vorderstrasse, A, Myneni, S. Unpackng peer conversations in a virtual community for diabetes self-management education and support: Behavior science and linguistics perspective. NI International Congress, 8/23 – 9/2, 2021, Australia.

Ju, H., Jularbal, J., Alford, J., Ottosen, M., & Johnson., C. (2022, August). Evaluating barriers to diabetes foot self-care using telehealth technology. Oral presentation at the Sigma Theta Tau International's 33nd International Nursing Research Congress. Edinburgh, Scotland (virtual).

Other (current to past – Distributed/disseminated works in other media)

Featured in: Duke University School of Nursing. (2008, Dec. 18). "Duke University School of Nursing in Second Life" (6:21 video; 33,389 views as of January 22, 2013).
http://www.youtube.com/watch?v=sL3D-59MbnY

Johnson, C.M., & Corazzini, K. (2009, April 24). "The Feasibility of using 3-D Virtual Environments in Distance Education." Presented at Duke Instructional Technology Showcase, 2009, April 24, 2009, Durham, NC. 28-slide presentation available at: http://cit.duke.edu/showcase/2009/wp-content/uploads/2009/04/johnson2.pdf

Johnson, C. M. (2012, Dec. 21). "Data Driven Health Care Improvements (N653) – The DNP at Duke". Duke University School of Nursing video (1:08). YouTube
http://www.youtube.com/watch?v=bsz6hGG18jA&list=UUzklyc7q7ALxqTL-Vad5yfg&index=30

Johnson, C. (2013, Nov. 19). "Nursing Informatics at Duke." Duke University School of Nursing video (2:20). YouTube http://www.youtube.com/watch?v=RUeO-1Gk9Eg&list=UUzklyc7q7ALxqTL-Vad5yfg&index=13

INVITED PRESENTATIONS

International/National (past to current)

Johnson, C., Ensor, J., Vogelaar, I., Amos, C., Spitz, M., Peterson, S., Zauber, A., Levin, B., Berry, D. (December 2005) A colorectal cancer risk prediction model and web-based assessment tool. Presented at Cancer Intervention and Surveillance Modeling Network Colorectal Cancer Meeting, Washington, DC.

Johnson, C. (September 21, 2007) User–centered design and usability as strategies for needs assessment. Presented at University of Wisconsin-Madison Ph.D. Seminar for Industrial and Systems Engineering, Mechanical Engineering, and Nursing Students, Madison, WI.

Johnson, C. (May 8, 2012) Duke Center for Health Informatics Phillips Short Course: Usability and Human Factors, Andover, MA.

Johnson, C. (May 25, 2012) When teachers and students become avatars. Presentation, Extending Classroom Reach and Enhancing the Learning Experience: A Learning Innovation Seminar developed by Duke Corporate Education and sponsored by SPRING Singapore; Singapore.

Johnson, C.M. (December 6, 2012) Human-computer interaction in the design of healthcare applications. Presented at My Air/My Health Workshop Meeting (U.S. Department of Health and Human Services / U.S. Environmental Protection Agency / National Institute of Environmental Health Services), Research Triangle Park, NC.

Johnson, C.M. (June 10, 2013) Defining usability in the electronic health record, presented at HL7 International working group meeting. HL7, Webinar.

Johnson, C.M. (December 10, 2013) Using data to drive decisions. Duke-Johnson & Johnson Nurse Leadership Program, Duke University Department of Community and Family Medicine, Durham, NC.

Johnson, C.M. (September 29, 2014) A Virtual eHealth Intervention to Impact Consumer Health. New York University Research Seminar, New York, New York.

Johnson, C.M. (March 4, 2015) Using Data to Drive Decisions. Duke-Johnson & Johnson Nurse Leadership Program, Duke University Department of Community and Family Medicine, Durham, NC.

Johnson, C.M. (April 28, 2015) eHealth intervention for diabetes self-management and support. Medical World Americas, Houston, Texas, April 27-29, 2015

Johnson, C.M., Brown, R. (July 26, 2016). Supporting Chronic Disease Management in a Virtual Environment: The Lessons Learned from a Diabetes Program at Duke University. Serious Play Conference, Chapel, Hill, NC.

Johnson, C.M. (September 24, 2020). Using Smart Technology to Manage Chronic Disease. New York University, School of Nursing, P20 Annual Symposium.

Regional/State (past to current)

Johnson, C., Ensor, J., Vogelaar, I., Amos, C., Spitz, M., Peterson, S., Zauber, A., Levin, B., Berry, D. (January, 2006). A colorectal cancer risk prediction model and web-based assessment tool. Presented at the University of Texas Houston Health Science Center School of Health Information Sciences Seminar, Houston, TX.

Johnson, C. (June 23, 2007) Usability engineering in development of software. Presentation, Duke University Clinical Research Institute, Durham, NC.

Johnson, C. (June 18, 2008) Using Second Life in teaching and learning. Duke University Department of Community and Family Medicine, Division of Clinical Informatics, Durham, NC.

Johnson, C. (September 20, 2008) Defining informatics in nursing and healthcare. 2nd Annual Fall Seminar of Philippine Nurses of America-NC. Duke University School of Nursing, Durham, NC.

Johnson, C. (October 23, 2008) Duke University in Second Life. Duke Virtual Reality and Serious Games Symposium, Durham, NC.

Johnson, C.M., Corazzini, K. (April 24, 2009) The feasibility of using 3-D virtual environments in distance education. Duke Instructional Technology Showcase 2009, Durham, NC. Abstract: http://cit.duke.edu/showcase/2009/tag/virtual-worlds/index.html

Johnson, C. (August 5, 2009) Using 3-D environments in distance graduate nursing education. TIP-NEP (Technology Integration Program for Nursing Education and Practice) Conference, Durham, NC.

Johnson, C. (April 4, 2010) Using 3-D environments in distance graduate nursing education. TIP-NEP Conference, Duke University School of Nursing, Durham, NC.

Johnson, C. (April, 2011) The role of social networks in teaching and research. Duke Center for Health Informatics Seminar, Durham, NC.

Johnson, C. (March 27, 2012) Visualization of multidimensional data: Feasibility of a virtual environment. Presentation, Beta Epsilon Chapter, Sigma Theta Tau International Honor Society of Nursing, Durham, NC.

Johnson, C. (April, 2012) Feasibility of a virtual environment for diabetes self-management: Multidimensional data visualization. Visualization Friday, Pratt School of Engineering, Duke University, Durham, NC.

Johnson, C.M. (June 20, 2012) Feasibility of a virtual environment for diabetes self-management: Multidimensional data visualization. Research Training Program Postdoctoral Seminar, Duke University, Durham, NC.

Johnson, C.M., Vorderstrasse, A. (January 28, 2013) Feasibility of a virtual environment for diabetes self-management. Endocrine Grand Rounds, Duke University Health System, Durham, NC.

Johnson, C.M., Vorderstrasse, A. (February 11, 2014) An eHealth Program for diabetes self-management. Novo Nordisk Workshop. Duke University Health System. Duke Center for Personalized and Precision Medicine, Durham, NC.

Johnson, CM. (April 15, 2014) Engaging Users through Usable and Useful Design of mHealth Apps. 2014 mHealth@Duke Conference, Durham, NC.

Johnson, C.M., Vorderstrasse, A. (May 2, 2014) An eHealth Program for diabetes self-management. Allscripts, Raleigh, NC.

Johnson, CM. (September 9, 2015) Human-computer Interaction. Informatics Seminar Series. Duke University Technology Solution, Duke University Health System.

Johnson, CM. (October 7, 2015) Consumer Health Informatics: An Innovative Technology for Self-Management of Chronic Disease. Duke Center for Health Informatics Research Seminar Series, Duke University.

Johnson, C.M., & Vorderstrasse, A. (April 22, 2016) An Immersive Technology for Self-Management of Type 2 Diabetes. Endocrine Grand Rounds, Duke University Health System, Durham, NC.

Vorderstrasse, A., **Johnson, CM**. (October 20, 2016) Multidimensional data in a virtual environment intervention for chronic disease: from coding to visualization. Duke iiD Data Dialogue, Durham, NC.

Vorderstrasse, A., **Johnson, CM**. (October 21, 2016) Virtual Environment for Chronic Disease Management: Diabetes as an Exemplar. Duke Medicine Grand Rounds (CME activity), Durham, NC.

Vorderstrasse, A, **Johnson, CM.** (April 26, 2017). Use of Gaming Modalities to Enhance Compliance. Charlotte Area Health Education Center, 9th Annual Diabetes Conference: Managing Diabetes in 2017-The Future is NOW! UNC-Charlotte, Cone Center, Charlotte, NC.

Johnson, CM. (May 10, 2017). Future Trends and Disruptive Technology Over the Next Decade. Nursing Grand Rounds, Texas Children's Hospital, Houston, Texas.

Johnson, C.M. (September 27, 2019) Using Smart Technology to Aging in Place. The University of Houston, School of Biomedical Engineering Seminar, Houston, Texas.

Johnson, C.M. (October 19, 2020) Using Smart Technology to Manage Chronic Disease. The University of Houston, School of Biomedical Engineering & Computer Engineering, Houston, Texas.

Johnson, C.M. (November 2, 2021). Using Smart Technology to Age in place. UTHealth Consortium on Aging, 6th Annual Hot Topics in Aging, Houston, Texas.

Select Other Presentations (past to current)

Smith, J.W., Turley, J.P., Johnson, K.A., Johnson, T.R., Zhang, J., & **Johnson, C.M**. (1999) Web-based education – technology and design. The University of Texas System Annual Telecommunications and Information Technology Conference.

Johnson, T.R., Zhang, J., & Johnson, **C.M.** (March, 2001) Heuristic evaluation of Prometheus Version 4. Prometheus User's Conference, George Washington University, Washington, DC.

Yang, L., Xing, Y., **Johnson, C.M.**, Johnson, T.R., & Zhang, J. (November, 2001) A prototype of KINSYS. University of Texas Houston Research Day, Houston, TX.

Johnson, T.R., Zhang, J., & **Johnson, C.M.** (April, 2001) Evaluating the usability of online courseware systems. Advances in Teaching and Learning Day, University of Texas Houston School of Health Information Sciences, Houston, TX.

Johnson, T.R., Zhang, J., Tang, Z., & **Johnson, C.M.** (April 20, 2003) Assessing informatics students' satisfaction with a web-based courseware system. University of Texas Houston School of Health Information Sciences, Houston, TX. Abstract in Phelps, C.L., Ed. (2004) *Advances in Teaching & Learning Day Abstracts 2003,* DigitalCommons@The Texas Medical Center, p. 16. http://digitalcommons.library.tmc.edu/uthshis_atldayabs/1

Johnson, C.M., Paton, C., & Hammond, W. (November, 2009). Role of social networks in teaching and advancing health informatics: What can Second Life contribute to this process? Tutorial presented at AMIA 2009 Annual Symposium, San Francisco, CA.

Johnson, C., Paton, C., & Hammond, W.E. (November, 2010). Role of social networks in teaching and advancing health informatics: What can Second Life contribute to this process? Tutorial T13 (Primer Series) presented at the AMIA 2010 Annual Symposium, November 13, 2010, Washington, DC. Abstract: *AMIA 2010 Advance Program,* p. 38–40.

Johnson, C., Vorderstrasse, A., Pereira, K., Hassell, N., Nicollerat, J., Levy, J., & Feinglos, M. (September 9, 2013) Diabetes LIVE: Virtual environment for adults with Type 2 diabetes. Poster, Duke Institute for Health Innovation Inaugural Summit on Transformative Innovation in Health Care, Duke University Medical Center, Durham, NC

Johnson, C. Using Smart Technology to Age in Place (August 20, 2019). Houston Continuity of Care Group, Houston, Texas.

PROFESSIONAL SERVICE

Consultations (past to current)
Dynasty Technology Inc., Usability engineering for AskRed.com., Kingwood, TX., 2000

Prometheus, Usability engineering for Prometheus Courseware., Houston, TX, 2002

Board of Governors of the University of North Carolina – MSN in Nursing Informatics Curriculum Review for licensure in the State of North Carolina, Chamberlain College, Illinois, 2013

Board of Governors of the University of North Carolina – MSN in Nursing Informatics Curriculum Review for licensure in the State of North Carolina, University of South Florida, 2013

Board of Governors of the University of North Carolina – MSN in Nursing Informatics and Administration Curriculum Review for licensure in the State of North Carolina, Vanderbilt University, 2015

Expert Advisor
AHRQ National Resource Center for Health IT. Expert advisor for usability: invited request for list of top references and review of their references for Health IT Bibliography for associated healthcare providers/personnel. http://healthit.ahrq.gov/bibliography, 2009

Expert Consultant for A&T University, Nursing Informatics Program, Greensboro, NC , April, 2014

AMIA One Source: Nursing Informatics Expert (Peer-Reviewed), 2016.

Editorial Boards/Panels (past to current)

Publication	Role	Date(s)
Biomedical Informatics Insights	Editorial Board Member	2009 – present
Health Systems Journal	Editorial Board Member	2012 – 2013
Health Systems Journal	Area Editor	2013 - present
Journal of Biomedical Informatics	Editorial Board Member	2021-present

Professional Service (Professional organizations, Study Sections, etc. - past to current)

Professional Organization	Office held and/or Committee Assignment	Dates
Nurses' Association of the American College of Obstetricians and Gynecologists	Member	1988 – 1993
Oncology Nursing Society	Member	1997 – 2001
American Medical Informatics Association	Member	1997 – present
Human Factors and Ergonomics Society	Member	2000 – 2003
Cognitive Science Society	Member	2001 – 2005
American Statistical Association, Houston Area Chapter	Member	2004 – 2006
American Society of Preventive Oncology	Member	2005 – 2010
Healthcare Information and Management Systems Society	Member	2006 – present
Association for Psychological Science	Member	2010 – 2012
Southern Nursing Research Society	Member	2012 – 2013, 2017-present
American Society for Information Science and Technology	Member	2012 – 2014

Professional Organization	Office held and/or Committee Assignment	Dates
American Heart Association	Member	2018-present
American Nurses Association / North Carolina Nurses Association	Member	2012 – 2016

Professional Working Groups/Steering Committees

Professional Organization	Office held and/or Committee Assignment	Dates
Texas Cancer Council, Action Plan for the State of Texas	Steering Committee Member	1999 – 2000
TIGER (Technology Informatics Guiding Educational Reform) Initiative: TIGER Usability & Clinical Application Design Collaborative Team	Member, Work Group 4	2008
Workshop on Interactive Systems in Healthcare (WISH) 2013: Bridging Communities	Steering Committee Invited Member	2013
Health Level Seven (HL7) International Standards Usability Working Group	Expert Consultant	2013 – present
American Medical Informatics Association (AMIA) Nursing Informatics Working Group (NIWG)	NIWG Expert and Speakers Bureau Member	2013 – present
	NIWG Education Committee Member	2013 - 2014
	NIWG Policy Committee Co–Chair	2014 – 2016
American Medical Informatics Association (AMIA) Academic Forum Member	Member	2014- present
UT School of Biomedical Informatics Alumni Association Steering Committee	Steering Committee Member	2015 - 2016

Manuscript review:

Publication	Role	Date(s)
Journal of Biomedical Informatics	Ad Hoc Journal Reviewer	2004, 2010, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2020, 2021
Journal of Health Communication Review	Ad Hoc Journal Reviewer	2008
Journal of Information Visualization	Ad Hoc Journal Reviewer	2009
Behavior and Information Technology	Ad Hoc Journal Reviewer	2013
BMC Medical Informatics and Decision Making	Ad Hoc Journal Reviewer	2014, 2015, 2016
American Journal of Epidemiology	Ad Hoc Journal Reviewer	2014
Journal of Medical Internet Research	Ad Hoc Journal Reviewer	2014, 2016, 2019, 2020, 2021, 2022
Journal of the American Medical Informatics Association	Ad Hoc Journal Reviewer	2014, 2015
Biomedical Informatics Insights	Ad Hoc Journal Reviewer	2015
CIN Plus	Ad Hoc Journal Reviewer	2015
IEEE Transactions on Human-Machine Systems	Ad Hoc Journal Reviewer	2015
Journal of Pediatric Nursing	Ad Hoc Journal Reviewer	2018
Computers in Biology and Medicine	Ad Hoc Journal Reviewer	2018
Clinical Interventions in Aging	Ad Hoc Journal Reviewer	2018
Behavioral Medicine	Ad Hoc Journal Reviewer	2018
International Journal of Qualitative Methods	Ad Hoc Journal Reviewer	2019

JMIR Serious Games	Ad Hoc Journal Reviewer	2020

Book review:

Title	Role	Date(s)
Holistic Perspectives in Gamification for Clinical Practice, IGI Global Book	Invited Chapter Reviewer	2014

Conference review (scientific abstracts):

Organization	Role	Date(s)
American Medical Informatics Association (AMIA) Annual Meeting	Conference Reviewer	2002, 2010, 2011, 2014, 2015, 2016
CHI'08 (Computer Human Interaction)	Conference Reviewer	2008
11th International Congress on Nursing Informatics	Conference Reviewer	2011
2013 International Conference on Virtual Worlds and Education (ICVWE'13), March 26–28, 2013 [virtual conference], Science Committee, International Academy of Science, Engineering and Technology	Conference Reviewer	2013
1st International Conference on Multimedia and Human Computer Interaction (MCHI 2013 (July 18–19, 2013, Toronto, Canada), Science Committee	Invited Conference Reviewer	2013
2nd International Conference on Multimedia and Human Computer Interaction (MHCI 2014), (August 14, 2014, Prague, Czech Republic), Science Committee	Invited Conference Reviewer	2014
3rd International Conference on Multimedia and Human Computer Interaction (MHCI 2015), (July 13-14, 2015, Barcelona, Spain), Science Committee	Invited Conference Reviewer	2015

Organization	Role	Date(s)
4th International Conference on Multimedia and Human Computer Interaction (MHCI 2016), (August 17-18, 2016, Budapest, Hungary), Science Committee	Invited Conference Reviewer	2016
The 12th International Congress on Nursing Informatics (June 21–25, 2014, Taipei, Taiwan)	Conference Reviewer	2014
MEDINFO	Conference Reviewer	2015, 2017
2021 Aging and Health Informatics Conference	Conference Reviewer	2021

Grant review panels:

Organization	Role	Date(s)
NIH Review Panel: Biomedical Computing and Health Informatics Study Section, Healthcare Delivery and Methodologies Integrated Review Group	Grant Reviewer	February 8, 2011
Diabetes UK – Small Grant Peer Review	Grant Reviewer	March, 2013
NIH Review Panel: Health Care Systems Research Collaboratory - Demonstration Projects for Pragmatic Clinical Trials Focusing on Multiple Chronic Conditions (UH2/UH3)" (RFA-RM-13-012)	Grant Reviewer	March, 2014
American Nurses Foundation Research Review Committee	Grant Reviewer	2014 - 2016
Duke University School of Medicine K Club	Grant Reviewer	April, 2014 July, 2015
CUNY Collaborative Incentive Grant 2112	Grant Reviewer	May, 2014

Duke University – DIHI Innovation Grant Reviewer	Grant Reviewer	December, 2015
NIH – NINR – Nursing and Related Clinical Sciences Study Section	Grant Reviewer	2016
The University of Texas Health Science Center at Houston Searle Scholarship	Grant Reviewer	6/2017
The University of Texas Health Science Center at Houston President's Scholar Award Review Committee for 2017	Grant Reviewer	8/2017
Austrian Science Fund FWF	Grant Reviewer	2/2020
CCTS Grant Review UTHealth	Grant Reviewer	4/2020/2021
Austrian Science Fund FWF	Grant Reviewer	10/2020
CPRIT Grant Review UTHealth	Grant Reviewer	10/2020
KL2 Grant Reviews – UTHealth	Grant Reviewer	2/2022
NIH Special Emphasis Panel Study Section "Mobile Health in Low and Middle Income Countries"	Grant Reviewer	3/2022

Institutional Service (past to current)

Activities and/or Committee Assignments	Dates
Duke University School of Nursing	
Masters/Advanced Practice Admission Committee Member, Duke University School of Nursing	10/2006 – 07/2009
PhD Admission Committee Member, Duke University School of Nursing	11/2007 – 06/2012
Interim PhD Admission Committee Chair, Duke University School of Nursing	07/2008 – 11/2008

Activities and/or Committee Assignments	Dates
PhD Admission Committee Chair, Duke University School of Nursing	11/2008 – 08/2010
Interim DNP Admission Committee Member, Duke University School of Nursing	07/2008 – 08/2008
Interim DNP Program Committee Member, Duke University School of Nursing	07/2008 – 09/2008
Technology Innovations in Education Task Force Member, Duke University School of Nursing	06/2009 – 09/2009
Lead Faculty for the Nursing Informatics Program, Duke University School of Nursing	11/2008 – 08/2014
PhD Program Committee Member, Duke University School of Nursing	11/2009 – 08/2010
Faculty Executive Council (FEC) Member At Large, Duke University School of Nursing	07/2011 – 06/2013
CONCEPT (Center for Nursing Collaboration, Entrepreneurship and Technology)Advisory Board Member, , Duke University School of Nursing	10/2011 –9/2016
DNP Program Committee Member, Duke University School of Nursing	07/2013 – 6/2015
Media Repository Advisory Team, Duke University School of Nursing	6/2014 – 5/2016
Interim Coordinator of the Systems Program, Duke University School of Nursing	8/2014- 11/2015
Appointment, Promotion and Tenure Committee, Duke University School of Nursing	2/2015- 9/2016
DUSON Strategic Planning Steering Committee, Duke University School of Nursing	2/2015 -9/2016
Partnership for Development (PODS) – PhD faculty mentor, Duke University School of Nursing	9/2015 – 9/2016

Duke University Medical Center

IRB Member	09/2006 – 09/2009
Nursing and Patient Care Documentation Steering Committee Member	02/2007 – 09/2011

DUHS Nursing & Patient Care Documentation System Executive Committee Member	11/2007 – 09/2011
Clinical Informatics Group Member (Lobach, CFM)	11/2006 – 11/2008
DUHS Nursing IT Council Member	03/2009 – 2012
Maestro Care Clinical Advisory Council Member	2011 – 2013
Duke Geriatric Education Center Advisory Committee Member	2012 - 2012
EWP - High Value Cost Conscious Care in a Learning Health System, Member	12/2013 – 2014
Mentor/Reviewer, Duke University School of Medicine, Path to Independence Program and K Club	2014-2015
Duke University Board of Trustees Standing Committee – Medical Center Academic Council	2015-2016
Duke Center for Health Informatics Leadership Team Member	2010 – 2016

Duke University Main Campus

Biomedical Informatics Program Exploration, Member	2007 – 2009
CIT Advisory Board Member	08/2008 – 05/2009
Education Subgroup for Health Informatics, Member	2009 – 2010
Academic Council Alternate	09/2012–05/2013
Task Force on On-Line Education Member	03/2012– 2012
Academic Council (Elected Member)	09/2013–2016
MMCI (Master of Management in Clinical Informatics) Steering Committee	06/2013–9/2016
Duke University Science and Society Faculty Governance Committee	9/2015- 9/2016

University of Texas Health Science Center, School of Nursing

SON Executive Leadership Council	11/2016 – present

DNP Program Committee Member, UTHealth School of Nursing	11/2016 -8/2018
PhD Program Committee Member, UTHealth School of Nursing	11/2016 - present
APTR, UTHealth School of Nursing	9/2017- 8/2018
Faculty Life Council, UTHealth School of Nursing	9/2017-8/2020
Faculty Nominations Committee, UTHealth School of Nursing	9/2017-8/2018
PhD Program Council Chair	9/2019 – 8/2020
Faculty Assembly Executive Committee	9/2019 - present
Faculty Search Committee	2018 - present

<u>University of Texas at Austin</u>	2017
Equity Through Social Change Working Group within the Bridging Barriers Core, University of Texas at Austin	
R13 conference grant for our Aging and Health Informatics Conference – Program Committee Member	2020-2021
<u>University of Texas Health Science Center at Houston</u>	
Stroke Institute Steering Committee	12/2017-present
President's Scholar Award Committee	12/2017
Memorial Hermann/UTHealth Joint Task Force on Quality and Research Analytics	5/2018 – 2018
Academic Council, UTHealth	8/2018-present
Memorial Hermann Nursing Research Group	7/2018-2018
Appointment, Promotion, Tenure Committee, UT School of Biomedical Informatics	11/2018- present
The University of Texas Health Science Center at Houston, Dean's Search Committee	10/2018- 8/30/2020

The University of Texas Health Science Center at Houston, Associate Dean of Management Cizik School of Nursing Search Committee	12/2018 – 2019
Houston Academy of Medicine, Texas Medical Center Library Board of Directors	2019 – present
The University of Texas Health Science Center at Houston, Associate Dean of Research School of Dentistry Search Committee	2020 - present
Houston Academy of Medicine, Texas Medical Center Library Director Search Committee	2020
COVID-19 Task Force	4/2020-present
COVID-19 Task Force /Informatics Subgroup	4/2020-present
University of Texas Health Science Center at Houston/ UT M.D. Anderson Cancer Center Population Health Research Work Group	2020 - present
Grant Reviews Pre-Application for CPRIT Core Facility Support Award 2020 UTHealth	2020-2020
Data Advisory Committee, UTHealth	2021-present
UTHealth Mentorship Program	2021-present
Grant Reviews Pre-Application for CPRIT Core Facility Support Award 2020 UTHealth	2021-2021

Teaching

Courses Taught (past to current)

Duke University School of Nursing

Course Number	Course Name	Dates: Semester/Year
N307	Research Methods	Spring 2007
N409	Overview of Health Care Informatics	Spring 2007, 2008, 2009

Course Number	Course Name	Dates: Semester/Year
N315	Directed Research	Spring, Summer, Fall 2007, 2008
		Spring 2009
		Fall 2010
		Spring, Summer 2010
		Summer, Fall 2011
N411	Nursing Informatics Theory/Application	Summer 2007, 2008, 2009
N413	Informatics Infrastructure for Safe Patient Care	Fall 2007, 2009
N607a	Doctoral Seminar in Nursing Science I	Fall 2008
N653	Data Driven Health Care Improvement	Summer 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016
N498	Synthesis of Specialty Practice	Spring, Fall 2009
		Spring, Fall 2010
		Spring, Summer, Fall 2011, 2012
N399	Special Readings SON	Fall 2009
		Spring, Fall 2010
		Spring 2011
N665	Capstone Project	Summer, Fall 2009
		Spring, Fall 2010, 2011
		Spring, Summer, Fall 2011, 2012, 2013
		Spring, Summer, Fall 2014
		Spring, Summer 2015

Course Number	Course Name	Dates: Semester/Year
341CI	Health IT Business Solutions, Fuqua School of Business, Duke University	Fall, 2010, 2011, 2012
899	Practicum in Nursing Research, University of Wisconsin at Milwaukee (Beth Phillips)	2012
MMCI.537	Health IT Business Solutions, School of Medicine, Duke University	Fall, 2014, 2015

UTHealth Cizik School of Nursing

2171NUR6830-380	Clinical Scholarship Portfolio Development	Spring 2017, Summer 2017, Fall 2017, Spring 2018, Summer 2018, Fall 2018, Spring 2019
2171NURS6855-110	Independent Study in Nursing	Spring 2017, Summer 2017, Fall 2017, Spring 2018, Summer 2018, Fall 2018, Spring 2019
NURS 7540	Advance Research Designs & Methods	Fall 2017
NURS 7700	Independent Study (PhD)	Summer 2018, Fall 2018, Spring 2020
NURS 7600	Dissertation	Summer 2018, Fall 2018, Spring 2019, Summer 2019, Fall 2019, Spring, Summer Fall, 2021, Spring, 2022
NURS 6858	Information Systems/Technology for the Improvement of Healthcare	Summer 2019, Fall 2019
NURS 7590	Candidacy	Spring 2019, Summer 2019, Spring 2021, Summer 2021
NURS 7501	Conceptual Basis of Scientific Inquiry	Fall, 2021

Conferences Developed

Location	Audience	Conference Title	Date(s)
Duke University School of Nursing, Durham, NC	Informatics Healthcare Providers	Conference: Informatics Solutions for Promoting Patient Safety Role: Conference Organizer	June 15, 2007
Duke University School of Nursing, Durham, NC	Informatics Healthcare Providers	Duke University 2nd Annual Informatics Conference – Applied Informatics: Necessary Skills to Support Health Care Role: Conference Organizer	August 18, 2008
The University of Texas Health Science Center at Houston, Cizik School of Nursing	Nurses	Research Day	2017, 2018, 2019
UTHealth/Rice ENRICH Collaboration Event	Technology Healthcare Providers	IOT and Aging in Place	2/2020
Virtual	Nurses Dentists	School of Nursing and School of Dentistry Research Collaboration Event	4/2021

List of Project/Thesis/Dissertation Advisees (past to current)

Post-Doctoral Fellows or Associates

1. Booker, Corey, MD (2010–2011). Web-based System: CHATS. UNC/Duke Research Fellow, Fuqua School of Business, Duke University.
2. Whisenant, Meagan, PhD (2019-). UT MDACC, Department of Symptom Research.

PhD Dissertations (Completed)

1. Nahm, Meredith (2008–2010). Defining Data Quality for Clinical Research: A Conceptual Analysis. The University of Texas School of Biomedical Informatics. (Committee Member)

2. Kitzmiller, Rebecca (2008–2012). Making Sense of Information Technology. Duke University School of Nursing. (Committee Member)

3. Shaw, Ryan (2008–2012). A Mobile Health Intervention to Sustain Weight Loss. (DUSON Outstanding Dissertation Award, 2013), Duke University School of Nursing.   (Chair)

4. Lewinski, Allison (2012–2017). Dissertation Topic: An Examination of the Influence of Social Relationships and Peer Support—Provided in a Computer Mediated Environment—on the Self-Management Practices of Individuals Living with Type-2 Diabetes, Duke University School of Nursing. (Chair)

5. Touchett, Hilary (2017–2019). Dissertation Topic: Bridging Recovery Allies in Virtual Environments (BRAVE): a usability, acceptability, and feasibility study. University of Texas Health Science Center at Houston, Cizik School of Nursing (Chair).

6. Jee Young Choi (2018-2019). Dissertation Topic: Relationship among depressive symptoms, social support, and self-management in patients with End Stage Renal Disease on Hemodialysis. University of Texas Health Science Center at Houston, Cizik School of Nursing (Committee Member).

7. Padmavathy Ramaswamy (2018-2019). Dissertation Topic: The impact of mobile health technology in health behavior change in South Asian adults for prevention of cardiovascular disease. University of Texas Health Science Center at Houston, Cizik School of Nursing (Chair)

8. Penning, Melody (2018-2019). K-award. Advisory Committee, University of Arkansas, Medical School.

Candidacy Chair/Member

1. Setor Kofi Sorkpor (2018-2019). Is Passive Music Therapy Effective for the Treatment of Chronic Pain? A Systematic Review. University of Texas Health Science Center at Houston, Cizik School of Nursing. (Candidacy Chair)

2. Karen Gibbs (2019 – 2019). Patient Blood Management Programs in Pediatric Trauma Patients: An Integrative Review. University of Texas Health Science Center at Houston, Cizik School of Nursing. (Candidacy Chair)

3. Juane Alexander (2021-2021). What factors influence resilience among families of children diagnosed with cancer? University of Texas Health Science Center at Houston, Cizik School of Nursing. (Candidacy Member)

4. Loeb, Aaron (2021-2021). What are the provider-based barriers and facilitators for care for LGBTQ+ adults? University of Texas Health Science Center at Houston, Cizik School of Nursing. (Candidacy Member)

5. Raji, Pillai (2021-2021). Discuss the facilitators and barriers of mHealth (mobile and/or wearables) interventions on self-management of cardiovascular disease in adults. University of Texas Health Science Center at Houston, Cizik School of Nursing. (Candidacy Chair)

Doctoral (Current)

1. Aaron Loeb (2019- present) University of Texas Health Science Center at Houston, Cizik School of Nursing (Chair).

2. Karen Gibbs (2019 – present. Patient Blood Management Programs in Pediatric Trauma Patients: An Integrative Review. University of Texas Health Science Center at Houston, Cizik School of Nursing. (Committee Member)

3. Pablo Vasquez (2019- present). University of Texas Health Science Center at Houston, Cizik School of Nursing (Committee Member/Chair).

4. Setor Kofi Sorkpor (2019- present). University of Texas Health Science Center at Houston, Cizik School of Nursing. (Committee Member/Chair)

5. Justina Ewoh (2020-present). University of Texas Health Science Center at Houston, Cizik School of Nursing (Advisor).

DNP Capstone Projects

1. Taylor, Heather (2009–2010): Capstone: Implementing a User–Centered Framework in the Development of a Web–Based Health Information Database and Call Center. Duke University School of Nursing. (Chair)

2. Apter, Janet (2009–2011): Capstone: Customization of a Vendor Provided EMR: Meeting the Clinical Needs of Nursing. Duke University School of Nursing. (Chair)

3. Malouf-Todaro, Nabia (2010–2012): Capstone: Impact of an Enhanced Ventilator Care Bundle Checklist on Nursing Documentation in an Intensive Care Unit, Duke University School of Nursing. (Co-Chair)

4. Harrington, Linda (2011–2012): Capstone: Use of an Evidence–Based, Quality Improvement Strategy to Reduce e–Iatrogenesis with Bar–Code Medication Administration. Duke University School of Nursing. (Chair)

5. Rose, Melody (2012–2013). Capstone: Utilization of Electronic Modified Early Warning Score to Engage Rapid Response Team Early in Clinical Deterioration. Duke University School of Nursing. (Chair)

6. Shallow, Charlene (2012–2014): Capstone: Development of a Web-Based Clinical Database for Transcatheter Aortic Valve Replacement, Duke University School of Nursing. (Committee Member)

7. Whiting, Kandace (2012–2014): Capstone: Improving Barcode Medication Administration Compliance: An Evidence–Based Evaluation and Education Program. Duke University School of Nursing. (Chair)

8. Richardson, Karen (2013–2015: Capstone: The Effects of Evidence-based, Disease-Specific Documentation Flowsheet Templates and Clinical Decision Support Reminders on the

Completeness of Nursing Documentation of Stroke Patients in the ED. Duke University School of Nursing. (Chair)

9. Jenko, Mimi (2013–2015): Capstone: Facilitating Palliative Care Referrals in the ICU: A Pilot Project. Duke University School of Nursing. (Committee Member)

10. Dodson, Hannah (2013–2015): Capstone: Utilizing Electronic Health Record Based Medication Reconciliation in Primary Care to Improve Patient Safety. Duke University School of Nursing. (Chair)

11. Yolanda Johnson (2014-2016): Self-Monitoring Using Smartphone Application or Paper Journal for the Overweight, Obese, and Morbidly Obese in a Primary Care Practice. Duke University School of Nursing Capstone (Committee Member)

12. Lynne Landeta (2014-2017): Capstone: Implementation of the Screening, Brief Intervention, Referral and Treatment Model to Measure Alcohol Use of Students in a College Health Center. Duke University School of Nursing (Chair)

13. Lavonia Thomas (2017- 2019): DNP Project: Improving the Usability Testing of Electronic Health Record Alerts for Nurses Using Heuristic Evaluation. UTHealth Cizik School of Nursing. (Chair)

14. Phalassa McArthur, Phalassa (2017-2019): DNP Project Breastfeeding Promotion via the Patient Portal UTHealth Cizik School of Nursing. (Chair)

15. Delia Garcia: (2017-2019): DNP Project: Introducing a health transition to adulthood program for adolescents in an outpatient pediatric practice. In progress (Chair)

Masters Theses or Research Project

1. Chen, Dennis (2008). Duke University Department of Psychology/Neuroscience. (Member, Graduation with Distinction Committee)

Bachelors

1. Xiong, Amy (2016-2017). Advanced Health Informatics (Katsouleas NAE Grand Challenge Scholar).   Duke University Pratt School of Engineering. (Co-Advisor)

Early Investigators

1. Rushabh Dev (2021-2022). Early learning style - PGY 1 and 2, in general surgical training to improve in-serve board pass rates.