

CURRICULUM VITAE
Part I

Kristen M. Brown DNP, CRNP, CPNP-AC, CHSE-A, FSSH, FAAN

Johns Hopkins University School of Nursing
Associate Professor
Associate Dean for Simulation & Immersive Learning Associate Professor

Office: 525 North Wolfe Street, Room S420B
Baltimore, MD 21205
Email: kbrown@jhu.edu

EDUCATION

Year	Degree	Institution
2017	Doctor of Nursing Practice (DNP)	Johns Hopkins University School of Nursing
2015-2017	Zamierowski Simulation Fellowship	Johns Hopkins Medicine Simulation Center
2006	Master of Science (MS) Acute Care Pediatric Nurse Practitioner	University of Maryland School of Nursing
2001	Bachelor of Science in Nursing (BSN)	University of Pittsburgh School of Nursing

CURRENT LICENSE AND CERTIFICATION

Year	Source	Type
2019-present	Society for Simulation in Healthcare	Certified Healthcare Simulation Educator-Advanced (CHSE-A)
2018-present	Society for Simulation in Healthcare	Certified Healthcare Simulation Educator (CHSE)
2006-present	Pediatric Nursing Certification Board	Acute Care Certified Pediatric Nurse Practitioner (CPNP-AC)
2006-present	Maryland Board of Nursing	Certified Registered Nurse Practitioner, Acute Care Pediatrics
2003-present	Maryland Board of Nursing	Registered Nurse License (RN)

PROFESSIONAL EXPERIENCE

YEARS	POSITION/INSTITUTION/LOCATION
<u>2017-present</u>	<u>Johns Hopkins University School of Nursing, Baltimore, MD</u>
2024-present	Associate Dean for Simulation & Immersive Learning
11/2023-2024	Associate Dean for Simulation & Immersive Learning (interim)
2023-present	Ranked Faculty, Associate Professor
2021-2022	Director of Immersive Learning & Digital Innovation Practice
2018-2023	Ranked Faculty, Assistant Professor
2017-2021	Advanced Practice Simulation Coordinator
2017-2018	Ranked Faculty, Instructor
<u>2019-2024</u>	<u>Johns Hopkins Medicine Simulation Center, Baltimore, MD</u>
	Simulation Strategic Projects Lead

<u>2006-2019</u>	<u>Johns Hopkins University School of Medicine, Bloomberg Children's Center Pediatric Intensive Care Unit, Baltimore, MD</u>
2006-2019	Acute Care Pediatric Nurse Practitioner
2017-2019	Pediatric Critical Care Simulation Coordinator
2013-2019	Pediatric Cardiac Critical Care Coordinator
2008-2013	Pediatric Nurse Practitioner Educator
<u>2004-2006</u>	<u>University of Maryland Medical Center; Express Care, Baltimore, MD</u>
	Pediatric Transport Registered Nurse
<u>2001-2003</u>	<u>Children's Hospital of Pittsburgh, Pediatric Intensive Care Unit (PICU), Pittsburgh, PA</u>
	Pediatric Critical Care Registered Nurse I & II

HONORS AND AWARDS

- 2026 **Society for Simulation in Healthcare Presidential Citation: *The SSH Advocacy Committee***
- 2025 **Maryland Higher Education Commission *Dr. Peg E. Daw Nurse Faculty Annual Recognition (NFAR) Award for Innovation in Education and Technology* \$10,000**
- 2025 **Society for Simulation in Healthcare Articles of Influence for 2023-24**
Birido, N., **Brown, K.M.**, Olmo-Ferrer, D., Friedland, R., Bailey, S.K.T, Wawersik, D., Charnetski, M., Nair, B., Kutzin, J.M., Gross, I.T., Palaganas, J.C. (2024) Healthcare simulation in-person and at a distance: a systematic review. *Simulation in Healthcare*, 19(1S), S65-S74.
DOI: [10.1097/SIH.0000000000000763](https://doi.org/10.1097/SIH.0000000000000763)
- 2024 **Fellow in Society for Simulation in Healthcare (FSSH)**
- 2024 **Society for Simulation in Healthcare 2023 Educator of the Year**
- 2024 **Society for Simulation in Healthcare Articles of Influence for 2022-23**
Brown, K. M., et al. (2023). Curricular integration of virtual reality in nursing education. *Journal of Nursing Education*, 62(6), 364-373. DOI: [10.3928/01484834-20230110-01](https://doi.org/10.3928/01484834-20230110-01)
- 2024 ***Nursing Outlook* 2023 Author Awards: Excellence in Education**
A competency roadmap for advanced practice nursing education using PRIME-NP. *Nursing Outlook*, 70(2), 337-346. DOI: [10.1016/j.outlook.2021.10.009](https://doi.org/10.1016/j.outlook.2021.10.009)
- 2022 **Johns Hopkins School of Nursing Isabel Hampton Robb Fellowship**
Multi-Player Virtual Reality for Interprofessional Education
- 2021 **The 2021 University of Pittsburgh School of Nursing Alumni Award**
Teaching Excellence
- 2020 **Fellow in the American Academy of Nursing (FAAN)**
- 2020 **The 2020 Johns Hopkins University School of Nursing Dean's Award**
Outstanding Nurse Educator Award

HONORS AND AWARDS (continued)

- 2019 **American Association of Colleges of Nursing Apple® Digital Innovation Bootcamp: From Content to Action**, Austin, TX; selected participant
- 2019 **National Association of Nurse Practitioners Lisa Milonovich Acute Care Pediatric Nurse Practitioner Scholar Award**
- 2018 **National League for Nursing Leadership Development Program for Simulation Educators**, Washington, DC; selected participant
- 2017 **Maryland Higher Education Commission New Nurse Faculty Fellowship**, \$20,000
- 2017 **Professors' Choice for Best Poster, The International Pediatric Simulation Society Symposia and Workshop: A High-fidelity Simulation Boot Camp for Pediatric Cardiac Critical Care Nurse Practitioners**; Boston, MA

RESEARCH

Sponsored Projects

- 2026 Johns Hopkins Sesquicentennial Envisioning the Future Award: *Shaping the Future of the Health through Technology Enhanced Methodologies: A Cross-Discipline Convening Series*. PI: Kristen M. Brown. Total direct costs \$25,000
- 2025-2026 Johns Hopkins Malone Center for Engineering in Healthcare 2025 Malone Seed Grant Program: *Real-Time Dose Optimization for Pediatric ICU Sedation using Reinforcement Learning*. PIs: LaRosa, J., Kudchadkar, S., Fackler, J.C., Durr, N.J., Brown, K.M. Total direct costs \$50,000
- 2025-2026 Greater Kansas City Community Foundation E3 Fund: *AI-Driven Adaptive XR Learning Platform*. PI: Kristen M. Brown. ALPHA: AI-Driven Learning Platform for Holistic, Adaptive Nursing Education. Total direct costs \$100,000
- 2024-2026 2024 Johns Hopkins University Nexus Award; Convening: *Shaping the Future of the Healthcare Workforce: Policy and Best Practice Recommendations for the Use of Simulation for Healthcare Education*. PI: Kristen M. Brown. Total direct costs \$100,000
- 2023-2024 Health Recourses and Servicers Administration (HRSA): *Supporting Nursing Advanced Practice Transitions (SNAPT)*. PI: Marianne Fingerhood. Role: Co-Investigator-simulation curriculum development 10% effort. Total direct costs \$3,200,000
- 2023-2025 Conway Innovation Challenge: 360° VR Stereoscopic Video Technology with Perspective Shifting: Immersive Modular Training. Role: PI: Kristen M. Brown. Total direct costs \$400,000
- 2023-2025 2023 Johns Hopkins Discovery Grant. Automated sedation state assessment for improved sedation decisions using machine learning and low-cost accelerometry. PI: Sapna Kudchadkar Role: Co-Investigator 5% effort. Total direct costs \$100,000

Sponsored Projects (continued)

- 2021-2025 American Rescue Plan Health Recourses and Servicers Administration (HRSA) Behavioral Health Workforce Education and Training Program- HRSAMC1HP42084-01-00. PI: Tamar Rodney. Role: Co-Investigator-Simulation Lead 10% effort. Total direct costs \$1,800,000
- 2021-2025 State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII. Grant Award NSPII21-110: *DNP in Nurse Anesthesiology*. PI: Cathy Horvath. Role: Co-Investigator-Simulation Lead 10% effort. Total direct costs \$2,085,872
- 2020-2023 State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII. Grant Award NSPII 21-111. *SNAPT - Supporting nursing Advanced Practice Transitions*. PI: Miki Goodwin. Role: Co-Investigator 3% effort. Total direct costs \$886,370
- 2020-2022 Johns Hopkins University Digital Education & Learning Technology Acceleration (DELTA) Grant: *Deconstructing Healthcare Silos: Interprofessional Education Using Multiplayer Virtual Simulation and Virtual Reality for Medical & Nursing Trainees*. Role: PI: Kristen M. Brown 5% effort. \$75,000
- 2019-2022 State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII. Grant Award 18-111. Professional-Reporter-Interpreter-Manager-Educator (PRIME) Competency Model for DNP-NP Education. PI: D'Aoust, R. Role: Co-Investigator 20% effort. Simulation curriculum development and competency measurement. Total direct costs \$1,001,596
- 2018-2019 State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII 18-113 Accelerating Advanced Practice Care Competencies and Expanding Practice Partnership. PI: Cheryl Dennison Himmelfarb. Role: Simulation Expert for competency measurement 10% effort Maryland Higher Education Commission. Total direct costs \$110,000
- 2017-2019 Maryland Higher Education Commission, Nurse Support Program NSPII -Accelerated post-NP pediatric acute care education. PI: Shawna Mudd. Role: Co-Investigator 15% effort. Curriculum and simulation development. Total direct costs \$810,488

Non-Sponsored Projects

- 2016-2017 Preventing Cardiac Arrest in the Postoperative Congenital Heart Disease Patient: A High-fidelity Simulation Boot Camp for Pediatric Cardiac Critical Care Nurse Practitioners. The Dobkin Research Fund. Role: PI: Kristen M. Brown, National Association of Pediatric Nurse Practitioners (NAPNAP). Total direct costs \$2,000

Invention/ Disclosures

- 2019 D15969 Johns Hopkins Technology Ventures (JHTV): *Near-infrared Spectroscopy Simulator*
2019 C15892 JHTV: *Advanced Practice Provider Pediatric Critical Care Simulation Boot Camp*
2018 C15124 JHTV: *Advanced Practice Simulation Boot Camp*

SCHOLARSHIP

Publications

Peer Reviewed Journal Articles/White Papers (*data-based)

**Indicates author was a student, trainee, or mentee at the time of the work

1. Atkins, R., **Brown, K. M.**, & Szanton, S. (2026) Nursing clinical rotations--toward a more effective, evidence-informed model for preparing, entry-level practice ready nurses. *Nursing Outlook* (accepted)
2. Issenberg, B., Ostergaard, D., Matos, F., Ingrassia, P.L., Freeman, K., Konge, L., Sa-Couto, C., Reedy, G., The Utstein XR in Simulation Expert Group & Co-Authors: Acharya, A., Berher, Berger Estilita, J., **Brown, K.M.**, Huang, L., Aksoy, M.E., Lazarovici, M., Sissel Vadla, M., Alami Younsi, M., Dow, O., Dieckmann, P., Barbar, S., Crawford, S., Ricci, S., Chang, T.P., Laerdal, T. (2026) Setting a research agenda for the use of extended reality in healthcare simulation: an Utstein style meeting. *Advances in Simulation*, 11(1), 16
DOI: [10.1186/s41077-026-00409-y](https://doi.org/10.1186/s41077-026-00409-y)
3. LaRosa, J. M.***, Lenker, H., Mennie, C., Morgenstern, S., Furniturewala, S., Hwang, L., Rao, N. N., Hajnik, K., **Brown, K. M.**, Shilkofski, N., & Kudchadkar, S. R. (2026). Increasing Nurse-Led Mobilization of Critically Ill Children Through In Situ Simulation: A Quality Improvement Initiative. *Pediatric critical care medicine: a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*, 27(1), 62–71. <https://doi.org/10.1097/PCC.0000000000003865>*
4. Atkins, R., **Brown, K. M.**, Mudd, S. S., Ghobadi, K., Baker, D. J., & Szanton, S. (2025). Reimagining nursing education: Leveraging competency-based education, artificial intelligence, and simulation for a diverse and practice-ready workforce. *Nursing Outlook*, 73(6), 102582. Advance online publication.
DOI: [10.1016/j.outlook.2025.102582](https://doi.org/10.1016/j.outlook.2025.102582)
5. Cieslowski, B., Anderson, M., **Brown, K.M.**, Guido-Sanz, F., Fentress Hallmark, B., Wells-Beede, E., Konzelmann, J., Belk, W.B., Smeltzer, S., Mallala, S., Cater, M.L., Mahdy, Z.A., Doran, J., Derner, D., Polson, J., Burtch, K., Chesney, T., Rickerby, C., Landis, A.M., Patel, A.P. (2025). Extended reality in health care simulation: current state, challenges, and future directions. *Nurse Educator*.
DOI: [10.1097/NNE.0000000000001996](https://doi.org/10.1097/NNE.0000000000001996)
6. Palaganas, J. C., Mosher, C., Wawersik, D., Eller, S., Kirkpatrick, A. J., Lazarovici, M., **Brown, K. M.**, Stapleton, S., Hughes, P. G., Tarbet, A., Morton, A., Duff, J. P., Gross, I. T., & Sanko, J. (2025). In-Person Healthcare Simulation: An Umbrella Review of the Literature. *Simulation in Healthcare: journal of the Society for Simulation in Healthcare*, 20(4), 229-239. Epub 2024 Oct 1. DOI: [10.1097/SIH.0000000000000822](https://doi.org/10.1097/SIH.0000000000000822)
7. **Brown, K.M.**, Key, S., Busch, D.W., Quinn, M., Hawkins-Walsh, E., Mudd, S.S. (2025). Bridging educational procedural gap via analysis of procedures performed by pediatric nurse practitioners in clinical practice: A cross sectional survey. *Journal of Pediatric Healthcare*, 39(3), 417–423. DOI: [10.1016/j.pedhc.2024.12.003](https://doi.org/10.1016/j.pedhc.2024.12.003)*
8. LaRosa, J.M.***, Lenker, H., Azamfirei, R., Morgenstern, Wieczorek, B., **Brown, K.M.**, Shilkofski, N., Kudchadkar, S.R. (2025). Development and evaluation of a simulation-based early mobility curriculum for pediatric intensive care nurses. *Nursing in Critical Care*. Advance online publication DOI: [10.1111/nicc.13215](https://doi.org/10.1111/nicc.13215)*
9. Gilbert, M., Watts, P., & **Brown, K. M.** (2024). Competency-Based Education: Simulation educators, don't be afraid! *Clinical Simulation in Nursing*, 97, 101668 DOI: [10.1016/j.ecns.2024.101668](https://doi.org/10.1016/j.ecns.2024.101668)

Publications: Peer Reviewed Journal Articles/White Papers (*data-based) (continued)

10. Gilbert, M., **Brown, K. M.**, & Watts, P. (2024). The intersections between competency-based education and simulation-based education: Integration in nursing education. *Journal of Professional Nursing*, 54, A1–A3. DOI: [10.1016/j.profnurs.2024.08.010](https://doi.org/10.1016/j.profnurs.2024.08.010)
11. Mudd, S.S., **Brown, K. M.**, Key, S., Quinn, M., Hawkins-Walsh, E., Gilbert, G.E., & Busch, D.W. (2024). Analysis of education and previous nursing experience of certified PNP's in the United States. *Journal of Pediatric Nursing*. DOI: [10.1016/j.pedn.2024.03.024](https://doi.org/10.1016/j.pedn.2024.03.024)*
12. Birido, N., **Brown, K.M.**, Olmo-Ferrer, D., Friedland, R., Bailey, S.K.T., Wawersik, D., Charnetski, M., Nair, B., Kutzin, J.M., Gross, I.T., Palaganas, J.C. (2024) Healthcare simulation in-person and at a distance: a systematic review. *Simulation in Healthcare*, 19(1S), S65-S74. DOI: [10.1097/SIH.0000000000000763](https://doi.org/10.1097/SIH.0000000000000763) (*Society for Simulation in Healthcare Articles of Influence for 2023-24*)
13. **Brown, K.M.**, Perretta, J., Anderson, M., Gilbert, G.E., Miller, G., Horvath, C.**, Sullivan, N., Jeffers, J.M., Swoboda, S.M., Green, D.**, Mudd, S.S. (2023). Deconstructing Healthcare Silos: Multi-player Virtual Reality for Interprofessional & Intraprofessional Education. *Journal of Interactive Learning Research*, 34(3), 495-513. <https://www.learntechlib.org/primary/p/222425/>*
14. **Brown, K.M.**, Swoboda, S.M., Gilbert, G.E., Horvath, C.**, & Sullivan, N. (2023). Curricular integration of virtual reality in nursing education. *Journal of Nursing Education*, 62(6), 364-373. DOI: [10.3928/01484834-20230110-01](https://doi.org/10.3928/01484834-20230110-01)* (*Society for Simulation in Healthcare Articles of Influence for 2022-23*)
15. Mudd, S. S., Quinn, M., Busch, D., Key, S. M., **Brown, K.**, Gilbert, G. E., & Hawkins-Walsh, E. (2023). Evaluating the Practice of Pediatric Nurse Practitioners: Is It Time for Dual Primary and Acute Care Preparation? *Journal of Pediatric Health Care*, 37(1), 74-84. DOI: [10.1016/j.pedhc.2022.08.005](https://doi.org/10.1016/j.pedhc.2022.08.005) *
16. Pandian, V., Dino, M. J.S., McLennan, L., **Brown, K.M.**, Sullivan, N., Coker, D., Matta H.R., Davidson P., Szanton, S. L. (2022). Nursing education in uncharted waters: Are we successfully navigating the industrial revolutions ahead? *Journal of Clinical Nursing*. DOI: [10.1111/jocn.16319](https://doi.org/10.1111/jocn.16319)
17. **Brown, K.M.**, Swoboda, S. M., Gilbert, G. E., Horvath, C.**, & Sullivan, N. (2022). Integrating virtual simulation into nursing education: A roadmap. *Clinical Simulation in Nursing*. 12 (8), 1-9. <https://doi.org/10.1016/j.ecns.2021.08.002> (Feature article) *
18. D'Aoust, R. F., **Brown, K.M.**, McLlrot, K., Adamji, J. M. D**., Johnson, H., Seibert, D. C., & Ling, C. G. (2022). A competency roadmap for advanced practice nursing education using PRIME-NP. *Nursing Outlook*, 70(2), 337-346. DOI: [10.1016/j.outlook.2021.10.009](https://doi.org/10.1016/j.outlook.2021.10.009) * (*Nursing Outlook 2023 Author Awards: Excellence in Education*)
19. VanGraafeiland, B., Busch, D., Mudd, S.M., McLlrot, K., **Brown, K.M.**, Abshire-Saylor, M., Silbert-Flagg, Sloand, E. (2021) A mock telephone triage experience for nurse practitioner students. *The Journal for Nurse Practitioners* 18(3), 320-323. <https://doi.org/10.1016/j.nurpra.2021.10.023> *

Publications: Peer Reviewed Journal Articles/White Papers (*data-based) (continued)

20. **Brown, K.M.**, Mudd, S.M., Perretta, J.S., Dodson, A. Hunt, E.A, Nelson McMillan, K. (2021). Rapid cycle deliberate practice to facilitate “Nano” in situ simulation: An interprofessional approach to just-in-time training. *Critical Care Nurse*, 41 (1): e1–e8. DOI: [10.4037/ccn2021552](https://doi.org/10.4037/ccn2021552) (Feature article; CEU's) *
21. **Brown, K.M.**, Hunt, E.A., Duval-Arnould, J., Shilkofski, N.A., Keslin, A.N**, Stella, A., Budhathoki, C., Ruddy, T., Perretta, J. S., Slattery, J.M.**, Nelson McMillan, K. (2020). Pediatric critical care simulation curriculum: training nurse practitioners to lead in the management of critically ill children. *Journal of Pediatric Healthcare*, 34(6) 584-590. DOI: [10.1016/j.pedhc.2020.07.001](https://doi.org/10.1016/j.pedhc.2020.07.001) *
22. Lioce, L., Conelius, J., **Brown, K.M.** (senior editors) (2020). Simulation Guidelines and Best Practices for Nurse Practitioner Programs. National Organization of Nurse Practitioner Faculties. Washington: D.C. https://cdn.ymaws.com/www.nonpf.org/resource/resmgr/docs/simulationnewfolder/20201022_sobp_final.pdf
23. Perretta JS, Duval-Arnould J, Poling S, Sullivan N, Jeffers JD, Farrow L, Shilkofski NA, **Brown K.M.**, Hunt EA. (2020). Best practices and theoretical foundations for simulation instruction using rapid-cycle deliberate practice. *Simulation in Healthcare* 15(5), 356-362. DOI: [10.1097/SIH.0000000000000433](https://doi.org/10.1097/SIH.0000000000000433)
24. Mudd, Shawna S.; Mcltrot, Kimberly S.; **Brown, K.M.** (2020). Utilizing telepresence robots for multiple patient scenarios in an online nurse practitioner program. *Nursing Education Perspectives*, 41 (4), 260-262. DOI: [10.1097/01.NEP.0000000000000590](https://doi.org/10.1097/01.NEP.0000000000000590)
25. Sexton, E.**, Fadrowski, J., Pandian, V., Sloan, E., & **Brown, K.M.** (2019). Acute kidney injury in hospitalized pediatric patients: A review of research. *Journal of Pediatric Health Care*, 34(2):145-160. DOI: [10.1016/j.pedhc.2019.09.009](https://doi.org/10.1016/j.pedhc.2019.09.009)
26. Schallmo, MK**, Godfrey, TM**, Dunbar, D**, **Brown K.M.**, Coyle, A., D’Aoust, R. (2019). Is it time for the 4th P in nurse practitioner education: Physical assessment, pharmacology, pathophysiology, and procedures: A systematic review. *Journal of the American Association of Nurse Practitioners*, 31 (12), 705-711. DOI: [10.1097/JXX.0000000000000206](https://doi.org/10.1097/JXX.0000000000000206)
27. **Brown, K.M.** (2018). Is it time to rethink the way we deliver simulation in the clinical setting? *Journal of Pediatric Surgical Nursing* 7 (3), 69-70. DOI: [10.1097/JPS.0000000000000180](https://doi.org/10.1097/JPS.0000000000000180)
28. **Brown K.M.**, Mudd SS, Hunt EA, Perretta JS, Shilkofski NA, Diddle JW, Yurasek G, Bembea M, Duval-Arnould J, Nelson McMillan K. (2018). A multi-institutional simulation boot camp for pediatric cardiac critical care nurse practitioners. *Pediatric Critical Care Medicine*, 19(6), 564-571 DOI: [10.1097/PCC.0000000000001532](https://doi.org/10.1097/PCC.0000000000001532) *
29. Nelson-McMillan, K., Ravekes, W. J., Thompson, W. R., **Brown K.M.**, Wolff, L., Wadia, R. S., McNamara, L. M., Shaffner, D. H., Berkowitz, I. D., Jacobs, M. L., & Vricella, L. A. (2016). Membrane oxygenator use with biventricular assist device: facilitation of support and lung recovery. *World Journal of Pediatric Congenital Heart Surgery*, 9(1), 105-109. DOI: [10.1177/2150135116668832](https://doi.org/10.1177/2150135116668832)

Non-Peer Reviewed Journal Articles/White Papers

30. Atkins, R. L., **Brown, K. M.**, Mudd, S. S., Ghobadi, K., Baker, D. J., & Szanton, S. (2025) Transforming Nursing Education: Ai and Competency-Based Learning for an Inclusive and Equitable Future. Available at SSRN 4988538. <http://dx.doi.org/10.2139/ssrn.4988538>

Publications: Peer Reviewed, Invited Expert-Byline Authorship/White Papers

1. Stone, K.P. Rutman, L., Calhoun, A.W., Reid, J., Maa, T., Bajaj, K., Auerbach, M.A., Cheng, A., Davies, L., Deutsch, E., Harwayne-Gidansky, I., Kessler, D.O., Ogrinc, G., Patterson, M., Thomas, A., Doughty, C., & for the International Network in Simulation-Based Innovation, Research and Education (INSPIRE) (2024) SQUIRE-SIM Reporting Guidelines Investigators. SQUIRE-SIM (Standards for Quality Improvement Reporting Excellence for SIMulation): Publication Guidelines for Simulation-Based Quality Improvement Projects. *Simulation in Healthcare*, 10-1097. Invited Expert Panel: **Kristen Brown**
DOI: [10.1097/SIH.0000000000000819](https://doi.org/10.1097/SIH.0000000000000819)
2. Kirkpatrick AJ, Palaganas J, Ahmed R, Bajwa M, Kutzin J, Kou M, Walsh B, Clapper T, Calhoun A, Eller S, Duff J, Adler M, Lopez C, Riggall V, Bajaj K, Elkin R, Kardong-Edgren S, Sanko J, Sanseau L, Good G, Thomas A, Ramachandra G, & Gross IT. Invited Expert-Byline author Educational/Foundational Considerations: **Kristen Brown** (2022). 2021 Healthcare Distance Simulation Summit Proceedings - Looking into the Distance: Paving the Way Toward a Sustainable Future. The Healthcare Distance Simulation Collaboration. (White Paper) <https://www.healthcaredistancesim.com/projects>
3. Cheng A, Nadkarni VM, Mancini MB, Hunt EA, Sinz EH, Merchant RM, Donoghue A, Duff JP, Eppich W, Auerbach M, Bigham BL, Blewer AL, Chan PS, & Bhanji F, American Heart Association Education Science Investigators; and on behalf of the American Heart Association Education Science and Programs Committee, Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation; Council on Cardiovascular and Stroke Nursing; and Council on Quality of Care and Outcomes Research (2018). Resuscitation Education Science: Educational Strategies to Improve Outcomes from Cardiac Arrest: A Scientific Statement from the American Heart Association (**Brown K.M.**– listed investigator). Mastery learning and deliberate practice. *Circulation*, 138 (6), e82-e122 DOI: [10.1161/CIR.0000000000000583](https://doi.org/10.1161/CIR.0000000000000583)

Peer Reviewed Journal Abstracts (*data-based)

1. Wu, S., Pejic, B., Roy, S., Huang, F., Raghavan, S.²; Hoffmann, J., Larosa, J.M., **Brown, K.**, Durr, N., Kudchadkar, S.R., Fackler, J. (2024) Development of a Computational Model of SBS scores in critically ill children. *Pediatric Critical Care Medicine* 25(11S):p e87 DOI: [10.1097/01.pcc.0001085444.27374.df](https://doi.org/10.1097/01.pcc.0001085444.27374.df)
2. LaRosa, J. M.**, Lenker, H., **Brown, K.**, Shilkofski, N., & Kudchadkar, S. R. (2023). 95 Evaluation of a Simulation Curriculum to Improve Nursing-Led Early Physical Rehabilitation of Critically Ill Children. *Journal of Clinical and Translational Science*, 7(51), 27-27 DOI: [10.1017/cts.2023.178](https://doi.org/10.1017/cts.2023.178) *
3. LaRosa, J. M.**, Lenker, H., **Brown, K.**, Shilkofski, N., & Kudchadkar, S. R. (2023). 726: Simulation Curriculum to Improve Nursing-Led Early mobility of Critically Ill Children. *Critical Care Medicine* 51(1): p 353 DOI: [10.1097/01.ccm.0000908636.37859.of](https://doi.org/10.1097/01.ccm.0000908636.37859.of) *

Peer Reviewed Journal Abstracts (*data-based) (continued)

4. Kuntz, J**, Pierre, AS, **Brown K.M.**, Alejo, D, Alvarez, MM, Vricella, L, Fadrowski, J, Nelson-McMillan, K (2016). Acute kidney injury in infants following cardiac procedures (abstract # 1312). *Critical Care Medicine* 44 (12), 403. DOI: [10.1097/01.ccm.0000509986.86523.3a](https://doi.org/10.1097/01.ccm.0000509986.86523.3a)
5. Kramer, J, **Brown K.M.**, McMillan, K.N. (2016). Efficacy of antithrombin repletion in ongoing critical illness of the pediatric ICU patient (abstract #607). *Critical Care Medicine* 44 (12), 228. DOI: [10.1016/j.jtho.2023.09.023](https://doi.org/10.1016/j.jtho.2023.09.023)
6. Nelson-McMillan K, **Brown K.M.**, Woods-Hill C, Floyd S, Staso, B, Ascenzi J, Hunt EA (2016). Pediatric early warning system development and implementation in a pediatric intensive care unit (abstract #1233). *Critical Care Medicine* 44 (12), 384. DOI: [10.1016/j.jcrc.2006.06.007](https://doi.org/10.1016/j.jcrc.2006.06.007)
7. Nelson-McMillan K, Duval-Arnould J, **Brown K.M.**, McNamara L, Alejo D, Machado Alvarez M, Hibino N, Vricella LA, Shaffner DH, Hunt EA (2016). Cardiac arrest in the pediatric post-operative cardiac population: An opportunity to further enhance PALS guidelines. *Circulation* 134 (suppl_1), A18300-A18300 https://www.ahajournals.org/doi/10.1161/circ.134.suppl_1.18300
8. Kramer, J., **Brown K.M.**, Llewellyn, T., Alejo, D., Nelson, K. (2015). Acquired antithrombin deficiency in pediatric critical illness (abstract #393). *Critical Care Medicine* 43 (12), 100. DOI: [10.1111/bcp.15703](https://doi.org/10.1111/bcp.15703)
9. Woods-Hill, C.Z., **Brown K.M.**, Fackler, J., Alejo, D., Jacobs, M., Vricella, L., Nelson, K. (2015). Phase of care mortality analysis for a pediatric cardiothoracic surgical population (abstract #94). *Critical Care Medicine* 43 (12), 25. DOI: [10.1016/j.athoracsur.2019.01.057](https://doi.org/10.1016/j.athoracsur.2019.01.057)*

Book Chapters

1. **Brown, K.M.** & Sullivan, N. *Student Centered Learning in NP Education* in Jeffries, P. R., & Slaven-Lee, P. (2024). *A Practical Guide for Nurse Practitioner Faculty Using Simulation in Competency-Based Education*. Lippincott Williams & Wilkins.
2. **Brown, K.M.** (2023) Virtual Simulation in *2023 Guide to Developing Simulations: A step-By-Step Approach* (NONPF, digital book).
3. **Brown, K.M.** (2020). Infant with diaphoresis during feedings. In: Kline-Tilford, A. and Haut, C. *Cases in Pediatric Acute Care: Strengthening Clinical Decision Making*. Hoboken: Wiley.
4. **Brown, K.M.**, Jones, M.B., Moore, L, Meliones, J, Ascenzi, J., Montgomery, J. (2018). Advanced nursing practice in pediatric cardiac critical care. In Ungerleider, R. M. (Ed.), *Critical Heart Disease in Infants and Children*, 3e, Elsevier.
5. Boucher, L., **Brown, K.M.**, L. Callow, Huff, C., Petersen, E. (2017). Congenital heart defects. In Justice, L. & Callow, L (Eds.) *Advanced Practice Provider Curriculum* (pp.65-119). Richmond, VA: PCICS.
6. McBride, M.E., Su, L., Moga, M., Jain, P.M., Erkonen, G.E., **Brown, K.M.**, Bavare, A., Bastero, P., Allan, C.K. (2016). Simulation curriculum. In Bronicki R. A. (Ed.), *Curriculum for Pediatric Cardiac Critical Care Medicine: Physician & Simulation* (pp. 273-432). Richmond, VA: PCICS

Media Related to Research and Scholarship

- 2026 [Inside JHSON's New Simulation Center: Where Practice Meets Purpose](#)
- 2024 [Reality Check: Associate Dean for Simulation, Immersive Learning Bets on What's Best for All](#)
- 2023 [The Washington Post. Virtual reality has expanded into a new field: Job training 8/10/2023](#)
- 2021 [WBAL Baltimore: Johns Hopkins Nursing Students Get Hands-on Virtual Training](#)
- 2021 [On the Pulse: Nursing Schools of The Future 4/13/2021](#)
- 2021 [Johns Hopkins University HUB: Amidst Covid-19, Virtual Reality Makes "Social Distancing" Simulation Possible](#)
- 2020 [On the Pulse: Amidst COVID-19, Virtual Reality Makes "Social Distancing" Simulation Possible](#)
- 2020 [AANP Member Spotlight: On the Leading Edge of Health Care Simulation](#)

Podcasts

- 2025 Invited: The Sim Café Podcast. [Beyond the Mannequin: Dr. Kristen Brown's Journey in Simulation](#)
- 2024 Invited: NONPF Podcast: Chapter IX: Virtual Simulation from 2023 *Guide to Developing Simulations: A Step-By-Step Approach*

Webinars

- 2026 Invited Speaker: National League for Nursing (NLN) *Advanced Practice Simulation-Based Education: Looking to the Future...CBE, XR, and AI*. 1.28.2026
- 2022 Invited Speaker: HealthySimulation.com *Deconstructing Healthcare Silos: Interprofessional Education Using Multiplayer Virtual Reality for Interprofessional Education* (12.2022) participant rating 4.6/5
- 2022 Invited Speaker: Johns Hopkins School of Nursing Center for Immersive Learning & Digital Innovation. *Interprofessional Education Using Multiplayer Virtual Reality*.
- 2021 Invited Speaker: Global Leading Nursing Education Webinar. *Using Virtual Simulation in Nursing Education: A Roadmap for Best Practice*. College of Nursing at Seoul National University: 11/2021
- 2021 Invited Speaker: *The Future of Healthcare Simulation* (Facebook Live Webinar) Johns Hopkins University School of Nursing. 9/2021
- 2020 Invited Speaker: National Organization of Nurse Practitioner Faculty (NONPF) (2019). *Getting Started-Simulation Best Practices for NP Faculty: 3 Part Webinar Series*; Developing a Business Plan for Standardized Patient Simulation, Simulation 101, and Briefing Basics. Conelius, J. (Chair) and the NONPF Simulation Committee; **Brown K.M. (co-chair)**, Kauschinger, E., Smith, T., Westin, C., Schneidereith, T., Loomis, J., Nye, C., Lioce, L., Brennan, M., and Canady, K.

Conference Meetings/Invited Expert/Presentations/Workshops/Webinars

Keynote Speaker

- 2024 Keynote Speaker: **Brown, K.M.** 16th Annual Kansas City Healthcare Simulation Conference *Innovative Strategies for Excellence in Healthcare Simulation. Leveraging Technology to Advance Simulation-Based Education*, Kanas City, MO (invited)
- 2022 Keynote Simulation Speaker: **Brown, K.M.** 20th Annual Safar Symposium: *Leveraging Technology to Advance Healthcare Simulation Education*. University of Pittsburgh; Pittsburgh, PA (invited)

Keynote Speaker (continued)

- 2018 Keynote Simulation Speaker: **Brown, K.M.** 16th Annual Safar Symposium: *Advancing Your Nursing Career Through Simulation*. University of Pittsburgh; Pittsburgh, PA (invited)

International (Conference Meetings/Invited Expert/Presentations/Workshops/Webinars)

- 2026 **Brown, K.M.** & Schneidereith, T. *Teaching Unbound: Lessons in Practice, Teamwork, and Growth from Mr. Miyagi and Coach Lasso*. International Meeting for Simulation in Healthcare (IMSH) 2026 Conference. San Antonio, TX. January 2026 (Mainstage Presentation)
- 2026 Gilbert, M., Watts, P., Moulton, M., & **Brown, K.M.** *Developing the Future Nurse Like an Elite Athlete: Coaching, Simulation, and Competency-Based Education for Unbound Performance*. International Meeting for Simulation in Healthcare (IMSH) 2026 Conference. San Antonio, TX. January 2026
- 2026 Schneidereith, T., **Brown, K.M.**, Watts, P., & Farina, C. *Breaking Boundaries in Simulation: Re-envisioning the NCSBN Study Through Dose, Demand, and Duration (3D)*. International Meeting for Simulation in Healthcare (IMSH) 2026 Conference. San Antonio, TX. January 2026
- 2026 Gilbert, M., Nickel, C., **Brown, K.M.**, Mann, B., Obeso, V.T., & Keehner, M. *The SSiH Simulation Grounded Competency Based Education Task Force Presents - Embedding CBE Principles Across the Simulation Continuum: From Prebrief to Assessment*. International Meeting for Simulation in Healthcare (IMSH) 2026 Conference. San Antonio, TX. January 2026 (Workshop)
- 2025 Okuda, H., **Brown, K.M.**, Waxman, K.T., *SSH Presents: Advocacy – Garnering Support for Healthcare Simulation*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 Blanchard, E., **Brown, K.M.**, Bethards, M., Bittencourt Couto, T., Wynja, M., Whitaker, T. *SSH IRC: Leveraging the SSH Member Roadmap Part 1: Professional Development*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 Okuda, H., **Brown, K.M.**, Spain, A., Ribeira, R., Smitten, J. *SSH Presents: Advocacy-How do I do it?* International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 **Brown, K.M.**, Mudd, S.S., Benson, A., Rollison, S. *XR Learning Hub for Immersive Training*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 Gilbert, M., **Brown, K.M.**, Nickel, C., Obeso, V., Mann, B., Keehner, Madeleine. *Introducing the SSiH Simulation Grounded CBE Task Force*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 Nawathe, P., Anderson, K., Bustamante, S. Blanchard, E., **Brown, K.M.**, Wynja, M., Whitaker, T. *SSH IRC Presents: Leveraging the SSH roadmap Part 2 – Scholarship and Leadership Opportunities for the Experienced Simulationist*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025

International (continued)

- 2024 Utstein Summit: *The Use of Extended Reality (XR) in Simulation-based Education*. Invited expert. Copenhagen, Denmark. November 2024
- 2024 **Brown, K.M.**, Anderson, M., Roye, J., Guido-Sanz, F., Grosso, C., Diaz, D., & Wells-Beede, E. *Extended Reality (XR) in Nursing Education: A Blueprint for Success*. International Meeting for Simulation in Healthcare (IMSH) 2024 Conference. San Diego, CA. January 2024
- 2023 **Brown, K.M.**, Anderson, Guido-Sanz, F., Grosso, C. Virtual Simulation Curriculum: A Roadmap for Incorporating XR & Screen-based Simulation. Simulation User Network Conference 2023. Orlando, FL
- 2023 **Brown, K.M.**, Okuda, H., Aebersold, M., Brannick, M., Pettit, E., *Extended Reality Research, Design Methodology, & Lessons Learned*. Invited Panel: International Meeting on Simulation in Healthcare (IMSH) Orlando, Fl. January 2023
- 2023 **Brown, K.M.**, Horvath, C., Swoboda, S., Sullivan, N. *Impact of Virtual Reality and Standard Debriefing on Pre-licensure Nursing Students Knowledge of Sepsis and NSTEMI*. International Meeting on Simulation in Healthcare (IMSH) Orlando, Fl. January 2023
- 2022 **Brown, K.M.** *Interprofessional Education Using Multiplayer Virtual Reality*. Hot Topics: Innovation; International Meeting on Simulation in Healthcare (IMSH) Los Angeles, CA. January 2022
- 2022 **Brown, K.M.**, Horvath, C., Swoboda, S., Sullivan, N. *Virtual Simulation in Nursing: A Roadmap for a VR Curriculum*. Panel Presentation; International Meeting on Simulation in Healthcare (IMSH) Los Angeles, CA. January 2022
- 2022 Swoboda SM, Sullivan N, **Brown K.M.**, Horvath C. Impact of Virtual Reality and Standard Debriefing on Pre-licensure Nursing Students Knowledge of Sepsis and NSTEMI. Accepted Research Poster *22nd International Meeting on Simulation in Healthcare (IMSH 2022)*, Los Angeles, CA 2022. (Not presented related to Covid-19)
- 2018 Hunt, E.A, Perretta, J., **Brown, K.M.**, et al. Panel Presentation; *Using Rapid Cycle Deliberate Practice to Achieve Excellence in Resuscitation Performance*. International Meeting on Simulation in Healthcare (IMSH) Los Angeles, CA.
- 2018 **Brown, K.M.** Faculty Co-Lead, Simulation Designer (with Nelson McMillan, K). Interprofessional Pediatric Cardiac Simulation Workshop. 6th Scientific Meeting of the World Society for Pediatric and Congenital Heart Surgery, Orlando, FL
- 2017 **Brown, K.M.**, Ryan, A. The Pediatric Cardiac Intensive Care Society 13th Annual International Meeting. Advanced Practice Provider Curriculum Review Course; Advanced practice Simulation Scenarios. Children's National Medical Center, Washington, DC (Workshop, Invited)

International (continued)

- 2017 Nelson McMillan, K., **Brown K. M.**, Alejo, D., Young, J., Perretta, J., Vricella, L. A., & Hunt, E. A. Development of a Multidisciplinary Pediatric Ventricular Assist Device Committee with an Innovative Simulation Curriculum for Training Healthcare Teams. Oral presentation at the 13th International Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion. Rome, Italy. September 28-30, 2017.
- 2017 **Brown, K.M.**, Simulation in Nursing Education from Pre-Licensure to Advanced Practice. International Pediatric Simulation Society Symposia and Workshop (IPSSW) (Panel discussion, invited)
- 2017 **Brown, K.M.**, Mudd, S.S., Hunt, E.A., Duval-Arnould, J., Perretta, J., Nelson-McMillan, K. A High-fidelity Simulation Boot Camp for Pediatric Cardiac Critical Care Nurse Practitioners, Pediatric Simulation Society Symposia and Workshop (IPSSW) (Abstract, invited)
- 2016 **Brown, K.M.** Early Recognition and Management of Low Cardiac Output in the Postoperative Congenital Heart Disease Patient. 16th Annual International Symposium on Congenital Heart Disease (Invited)
- 2016 **Brown, K.M.** Cutting Edge Concepts for Managing Cardiac Arrest in the Critically Ill Child: Beyond the 2015 Guidelines. 8th World Congress on Pediatric Intensive and Critical Care Workshop Faculty (invited)
- 2016 **Brown, K.M.** Rapid Cycle Deliberate Practice: Train to High-Quality Performance. 2nd Asia Pacific Resuscitation Nurses Conference Workshop Faculty (invited)
- 2016 **Brown, K.M.** Double Outlet Right Ventricle (DORV) with Non-Committed VSD. Pediatric Cardiac Intensive Care Society (PCICS) 12th Annual International Meeting (invited)
- 2016 Nelson-McMillan, K, **Brown, K.M.**, Duval-Arnould J, Shaffner DH, Hibino N, Vricella LA, Jacobs, M, Hunt EA. Cardiac arrest management in the Pediatric Post-operative Cardiac Patient: A National Survey of Pediatric Cardiothoracic Surgeons. PCICS conference, Miami, FL (abstract, invited)
- 2016 Nelson-McMillan K, **Brown, K.M.**, Kramer J, Axelrod D, Takemoto C, Bembea M. Evaluation of Risk and Management of Thrombosis and Bleeding in the Pediatric Cardiac Population: An International Survey of Pediatric Critical Care Physicians. PCICS Conference, Miami, FL (Abstract, invited)
- 2015 **Brown, K.M.** *Tales of the ALCAPA*. 15th Annual International Symposium on Congenital Heart Disease, Tampa, FL. (Invited)

National Presentations

- 2025 **Brown, K.M.**, Atkins, R., Ghobadi, K. AI Synergy Summit. *AI-Driven Adaptive Learning Platform: Future-Proofing the Nursing Workforce*. Johns Hopkins University Bloomberg Center, Washington, D.C.
- 2024 **Brown, K.M.** 16th Annual Kansas City Healthcare Simulation Conference *Innovative Strategies for Excellence in Healthcare Simulation*. Workshop: *Leveraging Distance Simulation to Increase Immersive Education*, Kanas City, MO (invited)

National (continued)

- 2024 **Brown, K.M.**, Ockimey, J. 16th Annual Kansas City Healthcare Simulation Conference *Innovative Strategies for Excellence in Healthcare Simulation*. Workshop: *Incorporating XR into your Simulation Program*, Kanas City, MO (invited)
- 2024 **Brown, K.M. &** Kardong-Edgren, S. Institute for Educators University of Maryland Annual Conference: Trends Affecting Nursing Education: AI, XR, CBE, Whaaaaat?! Invited talk: "VR, XR, AI....Getting to Yes" (Invited)
- 2021 Johns Hopkins University Provost's Teaching with Technology DELTA Symposium. *Deconstructing Healthcare Silos: Interprofessional Education Using Multiplayer Virtual Simulation and Virtual Reality for Medical & Nursing Trainees* [DELTA Grant]. (Invited)
- 2021 *Graduate Simulation Guidelines 2021* NONPF 47th Annual Conference: New Frontiers for NP Education (virtual conference) 4/2021; Conelius, J., **Brown, K.M.**, Lioce, L., Nye, C., Weston, C. (Invited)
- 2020 *Virtual Simulation to Enhance Experiential Learning & Virtual Simulation: New Modalities and Exemplars*. 2020 NONPF Fall Conference Excellence in Virtual NP Education (virtual conference) (invited) 11/2020
- 2020 D'Aoust, R. **Brown, K.M.**, Ling, C. Utilizing the PRIME Model to Map Nurse Practitioner Clinical Competency Progress Across the Curriculum. NLN Summit, virtual (Oral, Invited)
- 2019 RIME: To Simulation and Beyond. AACN Doctoral Conference, San Diego, CA (Oral)
- 2019 What You Need to know to Deliver a Quality NP Program: Simulation Best Practices, Design, and Debrief Process. National Organization of Nurse Practitioner Faculties (NONPF) Special Topic Conference. Bethesda, Maryland (workshop, invited)
- 2019 **Brown, K.M.**, D'Aoust, R., Sullivan, N. Using the RIME Framework to Map Progress Across the NP Curriculum. George Washington University 2nd Annual Simulation Conference (invited)
- 2018 **Brown, K.M. &** D'Aoust, R. Presentation: Is it Time for the 4th P in Nurse Practitioner Education? Physical Assessment, Pathophysiology, Pharmacology & Procedures. American Association of Nurse Practitioners National Conference, Denver CO (Presentation, invited)
- 2018 Vangraafeiland, B., **Brown, K.M.**, Mudd, S., Busch, D., Silbert-Flagg, J., Sullivan, N., Sloand, E. Implementing Standardized Patient Simulation Experiences in the Advance Practice Pediatric and Family Nurse Practitioner Programs (Abstract, invited)
- 2017 **Brown, K.M.**, Johnson, H., Sullivan, N., Seibert, D., D'Aoust, R. Utilizing a Model to Map Progress Across the Curriculum: Bringing Advanced Practice Training Back to the University AACN's 2018 Doctoral Education Conference. Naples, FL.
- 2017 Alejo, D., **Brown, K.M.**, Machado Alvarez, M., Woods-Hill, C., Shannon, F., Jacobs, M., Hibino, N., Vricella, L., & Nelson McMillan, K. Phase of Care Mortality Analysis (POCMA) in Pediatric Cardiac Surgery. Society of Thoracic Surgeons Advances in Quality & Outcomes Meeting, Chicago IL

National (continued)

- 2017 Kramer, J., **Brown, K. M.**, Nelson-McMillan, K. Efficacy of antithrombin repletion in ongoing critical illness of the pediatric ICU patient. Society of Critical Care Medicine Meeting, Honolulu, HI (Abstract)
- 2017 Kuntz J, Suarez Pierre A, **Brown K.M.**, Alejo D, Machado Alvarez M, Vricella LA, Fadrowski J, Nelson-McMillan. Acute Kidney Injury in Infants Following Cardiac Procedures. Society of Critical Care Medicine Meeting, Honolulu, HI (Abstract, Invited)
- 2017 Nelson-McMillan K, **Brown, K.M.**, Woods-Hill C, Floyd S, Staso B, Ascenzi J, Hunt EA. Pediatric Early Warning System Development and Implementation in a Pediatric Intensive Care Unit. Society of Critical Care Medicine Meeting, Honolulu, HI (Abstract, Invited)
- 2016 Woods-Hill, C.Z., **Brown, K.M.**, Fackler, J., Alejo, D., Jacobs, M., Vricella, L., Nelson, K. Phase of Care Mortality Analysis for a Pediatric Cardiothoracic Surgical Population. Society of Critical Care Medicine Meeting, Orlando, FL (Abstract, Invited)
- 2016 Kramer, J., **Brown, K.M.**, Llewellyn, T., Alejo, D., Nelson, K. Acquired Antithrombin Deficiency in Pediatric Critical Illness. Society of Critical Care Medicine Meeting. Orlando, FL (Abstract, Invited)
- 2016 Nelson-McMillan K, Duval-Arnould J, **Brown, K.M.**, McNamara L, Alejo D, Machado Alvarez M, Hibino N, Vricella LA, Shaffner DH, Hunt EA. Cardiac Arrest in the Pediatric Post-operative Cardiac Population: An Opportunity to Further Enhance PALS Guidelines. AHA Conference, New Orleans, LA (Abstract)
- 2016 **Brown, K.M.** Incorporating Rapid Cycle Deliberate Practice into Your Simulation Toolbox: Instructor Training Course. Association for Nursing Professional Development Annual Conference (Invited)
- 2014 Nelson, K., **Stanich, K.**, Ascenzi J., Vricella L., Takemoto, C. Risk Factor Identification for Development of Pediatric Venous Thrombosis in Pediatric Cardiac Patients. Society of Critical Care Medicine Meeting, San Francisco, CA (Abstract, Invited) (*Prior name: Stanich*)
- 2014 Nelson, K., **Stanich, K.**, Procaccini, D., Vricella, L., Takemoto, C. Bivalirudin Use in an Infant with Single Ventricle Cardiac Anatomy and Persistent Venous Thrombosis. Society of Critical Care Medicine Meeting, San Francisco, CA (Abstract, Invited) (*Prior name: Stanich*)

Regional

- 2026 The 9th Annual Johns Hopkins Research Symposium on Engineering in Healthcare Malone Center Symposium. Pitch a Problem: *Re-imagining Nursing Education in the AI Era*
- 2021 *PRIME and the 21st century ARPN student*, MNA 2020 Year of the Nurse Nursing Education Summit "Educating for the Future of Nursing", Baltimore, MD
- 2019 The Institute for Excellence in Education (IEE) Johns Hopkins Medicine. *Micro Teaching Workshop*. S.L. Kozachik & **K.M. Brown**. Baltimore, MD 7.2019 (invited)

- 2018 McIltrout, K., Mudd, S., & **Brown, K.M.** Difficult conversations at the bedside: developing acute care PNP student skills in delivering bad news. Maryland Nurses Association Convention, Baltimore, MD (Poster)
- 2018 **Brown K.M.** Maryland Chesapeake National Association of Pediatric Nurse Practitioners (NAPNAP) Conference. Dobkin Research Fund Doctoral Presentation. Columbia, MD (Invited Speaker)

Learning Platform

- 2022 Invited Expert: National Organization of Nurse Practitioner Faculties (NONPF)/Nurse Practitioner Associates for Continuing Education (NPACE) New Faculty Development Program. Module: Technology & Learning AR/VR & other Technologies

EDITORIAL ACTIVITIES

Journal Peer Review Activities

Associate Editor

- 2022-present *Simulation & Gaming*

Reviewer

- 2025-present Reviewer, *Clinical Simulation in Nursing*
 2024-present Reviewer, *Advanced in Simulation*
 2024-present Reviewer, *Journal of Professional Nursing*
 2023-present Reviewer, *Simulation in Healthcare*
 2022-present Reviewer, *Simulation & Gaming*
 2017-2019 Reviewer, *World Journal for Pediatric Congenital Heart Surgery*

Other Peer Review Activities

- 2024 Society for Simulation in Healthcare IMSH 2025 Content Reviewer
 2023 Society for Simulation in Healthcare IMSH 2024 Scholarship Reviewer
 2019 Abstract Reviewer, *The International Pediatric Simulation Symposia and Workshop (IPSSW)*
 2019 AACN GNSA Award for PhD-DNP Collaboration Excellence
 2017 Abstract Reviewer, *The International Pediatric Simulation Symposia and Workshop (IPSSW)*
 2016 Abstract Reviewer, *The International Pediatric Simulation Symposia and Workshop (IPSSW)*

PROFESSIONAL ACTIVITIES

Program Design & Leadership

- 2025-present PI, Director: ALPHA: AI-Driven Learning Platform for Holistic, Adaptive Nursing Education
 2025-present PI, Director: Johns Hopkins University Nexus Award; Convening: *Shaping the Future of the Healthcare Workforce: Policy and Best Practice Recommendations for the Use of Simulation for Healthcare Education*. May 2025
 2023-present PI, Developer, Curriculum Designer: Johns Hopkins School of Nursing XR Learning Hub
 2023-2024 Johns Hopkins University Leadership Development Program (LDP) (selected participant)
 2024-present Johns Hopkins School of Nursing Faculty Interest Group (FIG) Simulation

2022-present	Director, Developer, Curriculum Designer Virtual Simulation and VR for DNP Advanced Practice programs
2020-present	Director, Developer, Curriculum Designer, and Instructor: Virtual simulation and VR curriculum Johns Hopkins School of Nursing
2013-2018	Facilitator/Course Instructor, Pediatric Critical Care Simulation Boot Camp for senior PICU fellows, Johns Hopkins University School of Medicine
2021	Director, Developer, Curriculum Designer, and Instructor: Zamierowski Advanced Practice Simulation Boot Camp, Johns Hopkins Medical Simulation Center; Johns Hopkins School of Nursing & Johns Hopkins University School of Medicine (virtual program)
2020	Project Lead and curriculum design: Virtual Simulation (screen-based virtual simulation virtual reality) Johns Hopkins School of Nursing
2020	Director, Developer, Curriculum Designer, and Instructor: Zamierowski Advanced Practice Simulation Boot Camp, Johns Hopkins Medical Simulation Center; Johns Hopkins School of Nursing & Johns Hopkins University School of Medicine (canceled Covid-19)
2018	Director, Developer, Curriculum Designer, and Instructor: Zamierowski Advanced Practice Simulation Boot Camp, Johns Hopkins Medical Simulation Center; Johns Hopkins School of Nursing & Johns Hopkins University School of Medicine
2016-2018	Rapid Response Quality Nursing Instructor, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2016	Director, Developer, Curriculum Designer, and Instructor: PNP Multi-centered Cardiac Critical Care Simulation Boot Camp, Johns Hopkins Medical Simulation Center, Johns Hopkins University School of Medicine
2015-2018	Transition to the Ward (TTW) Simulation training for medical students, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2015-2018	Co-Director: Pediatric Resident Training (PRT) simulation education; Johns Hopkins University School of Medicine, Bloomberg Children's Center
2015	Director, Developer & Instructor, Curriculum Designer, and Instructor: Pediatric Critical Care Nurse Practitioner Simulation Boot Camp, Johns Hopkins Medical Simulation Center, Johns Hopkins University School of Medicine
2014-2017	Lead: Advanced Cardiac Nursing Education, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2014-2017	Lead: RN cardiac basics training, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2014-2017	Co-Director: Pediatric Cardiac Working Group, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2014-2017	Lead: Simulation-based post-op cardiac skills training for pediatric ICU nurses, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2014-2017	Co-Director: Pediatric Ventricular Assist Device Simulation and Just-in-Time Training, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2009-2014	Education Coordinator for Pediatric Intensive Care Nurse Practitioners, Johns Hopkins University School of Medicine, Bloomberg Children's Center

Society/Association Memberships and Leadership

Society for Simulation in Healthcare (SSH)

2025-present	SSH/ Society for Simulation in Europe (SESAM) Joint Liaison Working Group
2025-present	SSH Strategic Partnership Task Force

2025-present SSH Board of Directors Executive Committee At-Large Member
 2025-present SSH Accreditation Council (BoD liaison)
 2025-present SSH Advocacy Committee Member
 2024-present SSH Board of Directors At-Large
 2024-present SSH Vice-Chair SSH Simulation Grounded Competency Based Education (SG-CBE) Task Force
 2024-2025 SSH Advocacy Committee (BoD liaison)
 2024-2025 SSH Internal Relations Committee Member
 2024-2025 SSH Technology Committee Member (BoD liaison)
 2023-present IMSH Visioning Working Group of the Meetings Oversight Commission
 2020-present SSH Finance and Audit Committee Member (2 terms)
 2021-present Healthcare Distance Simulation Collaboration SSH

- 2024 Healthcare Distance Simulation Collaborative: Scholarship Program Administration and Management Committee
- 2023 Healthcare Distance Simulation Collaborative: Pictography/Visual Communication
- 2021 Healthcare Distance Simulation Collaborative: Education/Foundational Considerations

2015-present Member

Society for Simulation in Europe (SESAM)

2025-present Member

Holomedicine Association

2022-present Invited expert
 2022-present Education Committee

Sigma Theta Tau International Honor Society of Nursing

2019-2021 Nu Beta Chapter Research Committee

National Organization of Nurse Practitioner Faculties

2019-2022 Co-Chair Simulation Committee (invited)
 2019-2023 Simulation Committee (invited)
 2017-present Member
 2017-2018 Simulation Working Group

American Association of Colleges of Nursing

2020-present Fellow (FAAN)
 2017-present Member

Society/Association Memberships and Leadership (continued)

International Nursing Association for Clinical Simulation & Learning

2017-present Member

International Pediatric Simulation Society

2016-2018 Simulation Research Committee
 2015-present Member

American Association of Nurse Practitioners

2016-present Member

Society/Association Memberships and Leadership (continued)

Pediatric Cardiac Intensive Care Society

2017-2018	Advanced Practice Education Simulation Steering Committee
2017-2018	Advanced Practice Education Item Writing Steering Committee
2016-2018	Advance Practice Education Committee
2013-2018	Member

National Association of Pediatric Nurse Practitioners

2017-present	Item Writer Pediatric Nursing Certification Board
2005-2023	Member

CONSULTATIONS

2023	University of Texas Arlington consultant for simulation-based education
2018	University of Virginia School of Nursing consultant for the Acute Care Pediatric Nurse Practitioner Simulation Program
2016	Zoll® Consultant for resuscitation using rapid cycle deliberate practice (RCDP) training methodology. Bangkok, Thailand

CURRICULUM VITAE

Part II

EDUCATIONAL ACTIVITIES

Classroom Instruction

Johns Hopkins University School of Nursing

Fall 2025	NR.210.889.8301.FA25 Project Evaluation and Dissemination, Course Faculty, Doctoral, 4 students
Fall 2025	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, Supervised 3 clinical faculty, Doctoral, 17 students
Summer 2025	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, Supervised 3 clinical faculty, Doctoral, 17 students
Spring 2025	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, Supervised 3 clinical faculty, Doctoral, 18 students
Fall 2024	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 3 clinical faculty, Doctoral, 18 students
Summer 2024	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 3 clinical faculty, Doctoral, 21 students
Spring 2024	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 3 clinical faculty, Doctoral, 21 students
Fall 2023	110.645.8101 Advanced Pediatric Acute Care Topics & Procedures, Course Coordinator, 30% effort, Doctoral, 21 students
Fall 2023	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 3 clinical faculty, Doctoral, 21 students

Summer 2023 110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 20% effort, Supervised 3 clinical faculty, Doctoral, 24 students

Spring 2023 110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 2 clinical faculty, Doctoral, 10 students

Summer 2022 110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 20% effort, Supervised 3 clinical faculty, Doctoral, 15 students

Summer 2022 Director of Immersive Learning & Digital Innovation Practice; Advanced Practice Simulation Coordinator, 40% effort

Spring 2022 Director of Immersive Learning & Digital Innovation Practice; Advanced Practice Simulation Coordinator, 40% effort

Spring 2022 Interprofessional Education Core Event: Roles and Responsibilities, Faculty Mentor, 2 groups, Masters Entry into Nursing, Medical & Pharmacy Students, 20 students

Spring 2021 Interprofessional Education Core Event: Faculty Mentor, 2 groups, Masters Entry into Nursing, Medical & Pharmacy Students

Fall 2021 110.645.8101 Advanced Pediatric Acute Care Topics & Procedures, Course Coordinator, 30% effort, Doctoral, 15 students

Fall 2021 110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 20% effort, Supervised 3 clinical faculty, Doctoral, 15 students

Summer 2021 Advanced Practice Simulation Coordinator, 40% effort

Spring 2021 Advanced Practice Simulation Coordinator, 40% effort

Spring 2021 Interprofessional Education Core Event: Communication and Conflict Resolution, Faculty Mentor, 2 groups, Masters Entry into Nursing, Medical & Pharmacy Students, 20 students

Fall 2020 110.645.8101 Advanced Pediatric Acute Care Topics & Procedures, Course Coordinator 15% effort, Doctoral, 9 students

Fall 2020 110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor 20% effort, Doctoral, 9 students

Fall 2020 Advanced Practice Simulation Coordinator, 40% effort

Fall 2020 Interprofessional Education Core Event; Faculty Mentor, Masters Entry into Nursing, Medical & Pharmacy Students, 10 students

Summer 2020 Advanced Practice Simulation Coordinator, 40% effort

Spring 2020 Advanced Practice Simulation Coordinator, 40% effort

Fall 2019 Advanced Practice Simulation Coordinator, 20% effort

Fall 2019 120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 84 students

Fall 2019 120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 82 students

Summer 2019 Advanced Practice Simulation Coordinator, 20% effort

Spring 2019 120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 59 students

Spring 2019 120.504.0201 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 59 students

Spring 2019 Advanced Practice Simulation Coordinator, 20% effort

Fall 2018 120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 72 students

Fall 2018 120.504.0201 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 75 students

Fall 2018 Advanced Practice Simulation Coordinator, 20% effort

Summer 2018 Advanced Practice Simulation Coordinator, 20% effort

Spring 2018 Advanced Practice Simulation Coordinator, 10% effort

Spring 2018 110.537 Health Assessment and Measurement: Pediatric Variations, Theory Course Coordinator, 15% effort, Master's, 2 students

Spring 2018 120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 49 students

Spring 2018 120.504.0201 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 53 students

Fall 2017 120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 69 students

Fall 2017 120.504.0201 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 75 students
 Fall 2017 110.645.8101 Pediatric Acute Care I, Clinical Instructor, 10% effort, post-Master's, 2 students
 Fall 2017 Advanced Practice Simulation Coordinator, 10% effort

ACADEMIC SERVICE

Johns Hopkins University

2025 JHU Intellectual Property Policy Committee
 2023 JHU Sightline Project

Johns Hopkins University School of Nursing

2024-present Lead Simulation Faculty Interest Group (FIG)
 2019-2021 Sigma Theta Tau Nu Beta Chapter Research Committee
 2019-2021 Co-Chair United Way Campaign
 2019-2021 DNP Curriculum Committee
 2019-2021 Academic Success Center Advisory Committee, member
 2017-present Simulation Advisory Board, member
 2017-2020 DNP Taskforce, member
 2018-2020 Faculty Steering Committee, secretary

MENTORING AND ADVISEMENT

Johns Hopkins University Whiting School of Biomedical Engineering

2023-present Barbara Pejic, Sidharth Ragavan, Jake Hoffmann, Sarah Wu

Funding:

Johns Hopkins Malone Center for Engineering in Healthcare 2025 Malone Seed Grant Program:
Real-Time Dose Optimization for Pediatric ICU Sedation using Reinforcement Learning.
 Total direct costs \$50,00

2023 Johns Hopkins Discovery Grant. Automated sedation state assessment for improved
 sedation decisions using machine learning and low-cost accelerometry.
 Total direct costs \$100,000

Johns Hopkins School of Medicine

2021-2023 Jessica LaRosa, MD [PICU Fellow]; Scholarship Oversight Committee: Safety of early mobility
 in the Pediatric Intensive Care Unit.
 Project: Simulation to improve mobility in the PICU

Johns Hopkins University School of Nursing

2025 Faculty DNP Project Advisor
 Exploring the Usability of 360° VR-Based Scenario for Anesthesia Induction Skills
 Tess Blackmon, Amy Johnson, Melissa Ohler, Viktoriya Voitko
 2024-present Faculty Mentor: Angela Chang, Katherine Humphrey, Jessica Peters
 2024 Faculty Advisor (3 Assistant Professors)
 2021 DNP-AP Advisor (8 students)
 2020 DNP-AP Advisor (15 students)
 2019 DNP-AP Advisor (5 students)

Johns Hopkins Fuld Fellow

2024-2025 Megan Nicklay

DNP/PhD Student

2017-2023 Emma Sexton Cole

Increasing Recognition of Acute Kidney Injury Among Hospitalized Pediatric Patients

Funding: National Institute of Diabetes, Digestive, and Kidneys Predoctoral Fellowship NIDDK
NIH F30

Research Honors Student-Master's

2020-2022 Dierra Green

Johns Hopkins University School of Medicine-Arts as Applied to Medicine

Medical and Biological Illustration Graduate Student

2021-2023 Emily Simpson

Improving Simulation Task Training: A Novel Interactive Resource & 3D Printing Providing
Customizable Solutions for Increased Fidelity and Lowering Costs

Johns Hopkins University School of Medicine Bloomberg Children's Center

Clinical Precepting

2007-2018 Preceptor/Mentor for Nurse Practitioners and Nurse Practitioner Students; ~1-2 students/year

3.31.2026