

CURRICULUM VITAE
Part I

PERSONAL DATA

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

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EDUCATION

Year	Degree	Institution	Location
2017	Doctor of Nursing Practice (DNP)	Johns Hopkins University School of Nursing	Baltimore, MD
2017	Zamierowski Simulation Fellowship	Johns Hopkins University School of Medicine	Baltimore, MD
2006	Master of Science (MS)	University of Maryland School of Nursing	Baltimore, MD
2001	Bachelor of Science in Nursing (BSN)	University of Pittsburgh School of Nursing	Pittsburgh, PA

CURRENT LICENSE AND CERTIFICATION

Year	Source	Type
2019-present	Society for Simulation in Healthcare	Certified Healthcare Simulation Educator-Advanced (CHSE-A)
2019-present	Apple®	Apple® Certified Teacher
2018-present	Society for Simulation in Healthcare	Certified Healthcare Simulation Educator (CHSE)
2006-present	Pediatric Nursing Certification Board (PNCB)	Acute Care Certified Pediatric Nurse Practitioner (CPNP-AC)
2006-present	Maryland Board of Nursing	Certified Registered Nurse Practitioner (CRNP)-Acute Care Pediatrics

2003-present	Maryland Board of Nursing	Registered Nurse License (RN)
2001-present	American Heart Association	American Heart Association Basic Life Support (BLS)

PROFESSIONAL EXPERIENCE

Years	Position	Institution	Location
2023-present	Associate Professor	Johns Hopkins University School of Nursing	Baltimore, MD
2021-2022	Director of Immersive Learning & Digital Innovation Practice	Johns Hopkins University School of Nursing	Baltimore, MD
2019-present	Simulation Strategic Projects Lead	Johns Hopkins Medicine Simulation Center, JHSOM	Baltimore, MD
2018-2023	Assistant Professor	Johns Hopkins University School of Nursing	Baltimore, MD
2017-2018	Instructor	Johns Hopkins University School of Nursing	Baltimore, MD
2017-2021	Advanced Practice Simulation Coordinator	Johns Hopkins University School of Nursing	Baltimore, MD
2017-2019	Pediatric Critical Care Simulation Coordinator	Johns Hopkins University School of Medicine Bloomberg Children’s Center	Baltimore, MD
2013-2019	Pediatric Cardiac Critical Care Coordinator	Johns Hopkins University School of Medicine Bloomberg Children’s Center	Baltimore, MD
2006-2019	Acute Care Pediatric Nurse Practitioner	Johns Hopkins University School of Medicine Bloomberg Children’s Center	Baltimore, MD
2004-2006	Pediatric Transport Registered Nurse	University of Maryland Express Care	Baltimore, MD
2001-2003	Pediatric Critical Care Registered Nurse II	Children’s Hospital of Pittsburgh	Pittsburgh, PA

HONORS AND AWARDS

- 2022 Johns Hopkins University Isabel Hampton Robb Fellowship (Multi-Player VR for IPE)
- 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*
- 2019 AACN-Apple Digital Innovation Bootcamp: From Content to Action, 2019 selected participant
- 2019 National Association of Nurse Practitioners (NAPNAP) *Lisa Milonovich Acute Care PNP (ACPNP) SIG Scholar Award*
- 2018 NLN Leadership Development Program for Simulation Educators, Selected Participant
- 2017 New Nurse Faculty Fellowship, Maryland Higher Education Commission, \$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

- 2023-2027 HRSA SNAPT- *Supporting Nursing Advanced Practice Transitions*. Principal Investigator: 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: Principal Investigator-Kristen 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 \$75,000.
- 2021-2025 Behavioral Health Workforce Education and Training Program- American Rescue Plan HRSA - MC1HP42084-01-00. Principal Investigator: 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*. Principal Investigator: Cathy Horvath. Role: Co-Investigator-Simulation Lead 10% effort. Total direct costs \$2,085,872

- 2020-2025 State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII. Grant Award NSPII 21-111. *SNAPT - Supporting nursing Advanced Practice Transitions*. Principal Investigator: 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: Principal Investigator 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. Principal Investigator: Rita D'Aoust. 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. Principal Investigator: Cheryl Dennison Himmelfarb. Role: Simulation Expert for competency measurement 10% effort Maryland Higher Education Commission. Total direct costs \$110,000
- 2017-2019 Accelerated post-NP pediatric acute care education. Principal Investigator: Shawna Mudd. Role: Co-Investigator 15% effort. Curriculum and simulation development. Maryland Higher Education Commission. 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: Principal Investigator, National Association of Pediatric Nurse Practitioners (NAPNAP). Curriculum design and implementation Total direct costs \$2,000

Invention/ Disclosures

- 2019 D15969 Johns Hopkins Technology Ventures. Title: *A NIRS (Near-infrared spectroscopy) Simulator*
- 2019 C15892 Johns Hopkins Technology Ventures. Title: *Advanced Practice Provider Pediatric Critical Care Simulation Boot Camp*
- 2018 C15124 Johns Hopkins Technology Ventures. Title: *Advanced Practice Simulation Boot Camp*

SCHOLARSHIP

Publications

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

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

1. **Brown, K.M.**, Perretta, J., Anderson, M., Gilbert, G.E., Miller, G., Horvath, C., Sullivan, N., Jeffers, J.M., Swoboda, S., Green, D.***, Mudd, S.S. (2023). Deconstructing Healthcare Silos: Multi-player Virtual Reality for Interprofessional & Intraprofessional Education. *Journal of Interactive Learning Research* (accepted)*
2. **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.*
3. 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.*
4. 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*.**
5. 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>
6. **Brown, K. M.**, Swoboda, S. M., Gilbert, G. E., Horvath, C., & Sullivan, N. (2021). Integrating virtual simulation into nursing education: A roadmap. *Clinical Simulation in Nursing*. 12 (8), 1-9. 10.1016/j.ecns.2021.08.002 (Feature article)*
7. D'Aoust, R. F., **Brown, K. M.**, Mclltrot, 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.*
8. VanGraafeiland, B., Busch, D., Mudd, S.M., Mclltrot, 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.*
9. **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. *Crit Care Nurse* 1 February 2021; 41 (1): e1-e8. doi: <https://doi.org/10.4037/ccn2021552> (Feature article; CEU's)*

10. **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. https://doi.org/10.1016/j.pedhc.2020.07.001*
11. Lioce, L., Conelius, J., **Brown, K.M.** (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
12. 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.000000000000433
13. 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*, 7/8 2020 - Volume 41 - Issue 4 - p 260-262 doi: 10.1097/01.NEP.000000000000590 (senior author)
14. Sexton, E.**, Fadrowski, J., Pandian, V., Sloand, 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
15. 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
16. **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.000000000000180
17. 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. 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*. 2018 Jun 21. doi: 10.1161/CIR.000000000000583.
18. **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.*
19. 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.

Peer Reviewed Research Abstracts (*data-based)

1. *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
2. *Kramer, J, **Brown K.M.**, McMillan, KN (2016). Efficacy of antithrombin repletion in ongoing critical illness of the pediatric ICU patient (abstract #607). *Critical Care Medicine* 44 (12), 228. doi: 10.1097/01.ccm.0000509284.95226.b2
3. 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: 10.1097/01.ccm.0000509907.96416.5f
4. 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.
5. Kramer, J., **Brown K.M.**, Llewlynn, T., Alejo, D., Nelson, K. (2015). Acquired antithrombin deficiency in pediatric critical illness (abstract #393). *Critical Care Medicine* 43 (12), 100. doi: 10.1097/01.ccm.0000474221.40880.f9
6. 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: 10.1097/01.ccm.0000473922.30159.f3

Book Chapters

1. **Brown, K.M.** & Sullivan, N. (2023) *Student-Centered Learning in NP Education*. In Jeffries, P. (Ed.), *Clinical Simulations: An Essential Guide for Advanced Practice Nursing Educators*. In press
2. **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.
3. **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.
4. 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.
5. 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

- 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 Davidson, P., **Brown, K.M.**, Hirsch, A., Dotzenrod, J., Lund, P. [On the Pulse: The Nursing School of the Future Facebook Live 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](#)

Conference Meetings/Presentations/Workshops/Webinars

Keynote Speaker

- 2022 *Keynote Simulation Speaker: **Brown, K.M.** 20th Annual Safar Symposium: Leveraging Technology to Advance Healthcare Simulation Education.* University of Pittsburgh; Pittsburgh, PA (invited)
- 2018 *Keynote Simulation Speaker: **Brown, K.M.** 16th Annual Safar Symposium: Advancing Your Nursing Career Through Simulation.* University of Pittsburgh; Pittsburgh, PA (invited)

Webinars

- 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 Webinar: 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.

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.

International

- 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 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 (Invited)
- 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 (Invited)

National

- 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 speaker)
- 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 (STS AQO) Meeting, Chicago IL
- 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.**, Llewlynn, 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, Invited)
- 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)
- 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

- 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 (Oral)
- 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)

EDITORIAL ACTIVITIES

Peer Review Activities

- 2022-present Associate Editor *Simulation & Gaming*
- 2022-present Reviewer, *Simulation & Gaming*
- 2017-present Reviewer, *World Journal for Pediatric Congenital Heart Surgery*
- 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

- 2022 Director, Developer, Curriculum Designer Virtual Simulation for DNP Advanced Practice programs
- 2020 Director, Developer, Curriculum Designer, and Instructor: Virtual simulation curriculum Johns Hopkins School of Nursing
- 2013-present 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)
- 2019-2020 The GreenMount School: Board of Trustees, Baltimore Maryland
- 2019 The Institute for Excellence in Education (IEE) Johns Hopkins Medicine. *Micro Teaching Workshop*. S.L. Kozachik & K.M. Brown. 7.2019 Baltimore, MD (invited)
- 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

Holomedicine Association

- 2022-present Invited expert
- 2022-present Education Committee

Society for Simulation in Healthcare

- 2023-present SSH Finance and Audit Committee Member
- 2021-present Healthcare Distance Simulation Collaboration SSH
- 2020-2023 SSH Finance and Audit Committee Member
- 2015-present Member

Sigma Theta Tau International Honor Society of Nursing

- 2019-present Nu Beta Chapter Research Committee
- 2001-present Member

National Organization of Nurse Practitioner Faculties

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

American Association of Colleges of Nursing

- 2017-present Member

International Nursing Association for Clinical Simulation & Learning

- 2021-present APRN Sig
- 2017-present Member

National League for Nursing

- 2018-present Simulation Leader
- 2015-present Member

International Pediatric Simulation Society

- 2016-2018 Simulation Research Committee
- 2015-present Member

American Association of Nurse Practitioners

- 2016-present Member

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-present Member

American Association of Critical Care Nurses

- 2004-present 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. Asia

CURRICULUM VITAE

Part II

EDUCATIONAL ACTIVITIES

Classroom Instruction

Johns Hopkins University School of Nursing

- 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 School of Nursing

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 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

2021-present DNP-AP Advisor (8 students)

2020-present DNP-AP Advisor (15 students)

2019-present DNP-AP Advisor (5 students)

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
- 2020-2022 Dierra Green
Research Honors Student-Master's
Mentor on IPE VR project

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 per year.

8.30.2023