

Curriculum Vitae

CARRIE E. NEERLAND

Education

PhD, University of Minnesota, Minneapolis, MN. Nursing Dissertation/Thesis Title: Maternal Confidence for Physiologic Childbirth: Instrument Development and Testing Advisor: Melissa D Avery	August 2018
MS, University of Minnesota, Minneapolis, MN. Nurse-Midwifery Advisor: Melissa D Avery	September 2005
BSN, University of Minnesota, Minneapolis, MN. Nursing Advisor: Mary Rowan	June 2002

Licensures and Certifications

Certifications

Public Health Nurse, State of Minnesota Board of Nursing. (Licensure/Certification Number: 16447)	2006 - Present
Certified Nurse-Midwife, American Midwifery Certification Board. (Licensure/Certification Number: 12023)	2005 - 2023
Advanced Practice Registered Nurse - Certified Nurse Midwife, State of Minnesota Board of Nursing. (Licensure/Certification Number: CNM0033)	2014 - 2021
Registered Nurse, State of Minnesota Board of Nursing. (Licensure/Certification Number: R 158206-4)	2002 - 2021

Academic Appointments

University of Minnesota School of Nursing: Assistant Professor	August 2018 - Present
University of Minnesota School of Nursing: Graduate Research Assistant	2015 - 2016

Clinical/Hospital Appointments

University of Minnesota Medical School: Adjunct Clinical Instructor	2013 - Present
University of Minnesota Medical School, Smiley's Family Medicine Residency Program: Clinical Instructor	2011 - Present
University of Minnesota School of Nursing: Adjunct Clinical Instructor	June 2016 - August 2018
Hennepin County Medical Center Midwife Unit, Ob/Gyn, Postpartum: Staff Nurse, Charge Nurse	2002 - 2006

Other Professional Positions

University of Minnesota Physicians
Certified Nurse-Midwife

June 2006 - Present

Consulting

Consultant/Asylum medical expert, 2017 - Present
Provide trauma-informed care and ethical physical exams for women who have undergone female genital mutilation and are seeking asylum.

Consultant/Instructor, Government, Afghanistan National Blood Safety & Transfusion Service (ANBSTS) 2012

Provided training to nurses and midwives in Kabul, Afghanistan regarding blood safety, transfusion, infection control practices, postpartum hemorrhage and active management of 3rd stage labor. Postpartum hemorrhage simulation training for nurses and midwives. Funded by CDC.

Current Membership in Professional Organizations

Association of Women's Health, Obstetric and Neonatal Nurses	2018 - Present
Midwest Nursing Research Society	2016 - Present
Minnesota APRN Coalition	2011 - Present
American College of Nurse-Midwives	2005 - Present
Sigma Theta Tau	2004 - Present

HONORS AND RECOGNITION

University of Minnesota

Year of the Nurse and the Midwife Award, University of Minnesota School of Nursing	2020
Outstanding Graduate Nursing Student Award, University of Minnesota School of Nursing	2017
President's Student Leadership and Service Award, University of Minnesota	2016

External Sources

Excellence in Teaching Award, ACNM	2020
Women's Health & Childbearing RIG Graduate Research Award, Midwest Nursing Research Society	2018
Fellow, American College of Nurse-Midwives, ACNM	2017
Exemplary Affiliate Award, ACNM	2015
Awarded during tenure as Co-President of MN Affiliate of ACNM	

RESEARCH, SCHOLARSHIP, AND CREATIVE WORK

Grants, Contract, Awards: External Sources

Award: Confidence for Physiologic Birth in the Birth Center Model of Care

Project Investigators: Neerland, Carrie Elizabeth

Sponsoring Organization: American Association of Birth Centers Foundation

Date Proposal Submitted: February 2018

Award Dates: 2019

Funded Amount for Entire Grant Period or Proposed Grant Period: \$2,248.00

Other Grants, Awards, Gifts, or Endowment Earnings (Internal Sources)

Award: Women's Experiences of Transfer from Home or Birth Center to an Urban, Academic Medical Center

Award ID: 320505

Project Investigators: Neerland, Carrie Elizabeth (Principal)

Status: Funded

Sponsoring Organization: University of Minnesota - Grant in Aid

Institution: University of Minnesota

Date Proposal Submitted: 2019

Award Dates: August 2019 - Present

Funded Amount for Entire Grant Period or Proposed Grant Period: \$20,096.00

Publications

Peer-Reviewed Journal Article

Neerland, C., Avery, M. D., Looman, W. S., Saftner, M. A., Rockwood, T. H., & Gurvich, O. V. (2020). Development and Testing of a Maternal Confidence for Physiologic Birth Instrument. *Journal of Obstetric, Gynecologic, and Neonatal Nursing*, 49(2), 200-211.

Breman, R. B., & Neerland, C. (2020). Nursing support during latent phase labor: A scoping review. *Maternal Child Nursing*, 45(4), 197-207. doi: 10.1097/NMC.0000000000000626. PMID: 32271202.

Neerland, C., Avery, M. D., Saftner, M. A., & Gurvich, O. V. (2019). Maternal Confidence for Physiologic Birth: Confidence and Associated Outcomes. *Midwifery*, 77, 110-116.

Gams, B., & Neerland, C. (2019). Reducing Primary Cesareans an Innovative Multi-Pronged Approach to Supporting Physiologic Labor and Vaginal Birth. *Journal of Perinatal and Neonatal Nursing*, 33(1), 52-60.

Avery, M. D., Neerland, C., & Saftner, M. A. (2018). Women's Perceptions of Prenatal Influences on Maternal Confidence for Physiologic Birth. *Journal of midwifery & women's health*. doi: [10.1111/jmwh.12897](https://doi.org/10.1111/jmwh.12897)

Neerland, C. (2018). Maternal Confidence for Physiologic Childbirth: A Concept Analysis. *Journal of Midwifery and Women's Health*, 63(4), 425-435. doi: [10.1111/jmwh.12719](https://doi.org/10.1111/jmwh.12719)

Saftner, M. A., Neerland, C., & Avery, M. D. (2017). Enhancing Women's Confidence for Physiologic Birth: Maternity Care Providers' Perspectives. *Midwifery*, 53, 28-34. doi: [10.1016/j.midw.2017.07.012](https://doi.org/10.1016/j.midw.2017.07.012)

Publications Submitted or in Progress

Peer-Reviewed Journal Article

Neerland, C., Delkoski, S., Skalisky, A., & Avery, M. D. The Birth Center Model of Care: US Midwives' Perceptions of How it Contributes to Confidence for Physiologic Birth. *Midwifery*. [Under Review]

Neerland, C. Women's Experiences of Transfer from Home or Birth Center to an Urban, Academic Medical Center. [In Preparation; Not Yet Submitted]

Neerland, C., Hoffman, S. J., & Mathiason, M. Gender, role, and race: Experiences of female physicians in academic medicine. *Academic Medicine*. [In Preparation; Not Yet Submitted]

Book Chapter

Avery, M., Neerland, C., & Saftner, M. (2019). Preparing for Birth. In R. Jordan & C. Farley (Eds.), *Prenatal and Postnatal Care: A Woman Centered Approach* (2nd ed.) (2nd ed., pp. 375-383). Oxford: Wiley-Blackwell.

Neerland, C. (2013). *A Supportive Approach to Prenatal Care* (pp. 29-47). SUPPORTING A PHYSIOLOGIC APPROACH TO PREGNANCY AND BIRTH: A PRACTICAL GUIDE.

Neerland, C. (2013). *Continuous Labor Support* (pp. 91-103). SUPPORTING A PHYSIOLOGIC APPROACH TO PREGNANCY AND BIRTH: A PRACTICAL GUIDE.

Podcast

The Midwife Podcast.

Invited Presentations, Posters, and Exhibits

Keynote/Plenary Address

Neerland, C. "Collaboration and Integration for Seamless System of Care," American Association of Birth Centers - Birth Institute American Association of Birth Centers, Orlando, Florida. (September 2019). *Invited.*

Presentation/Talk

Neerland, C. "Engaging Midwife Students and New Midwives," American College of Nurse-Midwives Annual Meeting, Savannah, Georgia. (2018). *Invited.*

Neerland, C., Gams, B., (Presenter) "Get on the Ball: Reducing Primary Cesarean Births through Labor Progress and Support," Minnesota Association of Women's Health, Obstetric and Neonatal Nurses, Oakdale. (2018). *Invited.*

Neerland, C. "Engaging Members Through Technology," American College of Nurse-Midwives Annual Meeting, Chicago, Illinois. (2017). *Invited.*

Neerland, C., Gams, B., (Presenter), Forster-Page, A., (Presenter) "ACNM Reducing Primary Cesareans Project: Utilizing the Promoting Spontaneous Progress in Labor Bundle," Optimal Outcomes in Women's Health MN Affiliate of the American College of Nurse-Midwives, Minneapolis. (2016). *Invited.*

Neerland, C. "Stand and Deliver: How to Create a Successful Interprofessional Conference," American College of Nurse-Midwives Annual Meeting, Washington, District of Columbia. (2015). *Invited.*

Neerland, C., Avery, M., (Presenter) "Hormonal Physiology of Childbearing: From Evidence to Action," Optimal Outcomes in Women's Health MN Affiliate of the American College of Nurse-Midwives, Minneapolis, Minnesota. (2015). *Invited.*

Neerland, C., Forster-Page, A., (Presenter) "Supporting Normal Birth: Utilizing the Evidence-Based Pearls of Midwifery," Department of Obstetrics & Gynecology Grand Rands University of Minnesota Medical School, Department of Ob/Gyn, Minneapolis, Minnesota. (2013). *Invited.*

Presentations, Posters, and Exhibits

Poster

Neerland, C. "Maternal Confidence for Physiologic Birth: Instrument Development and Testing," American College of Nurse-Midwives Annual Meeting American College of Nurse-Midwives

(ACNM), Chicago, Illinois. (2017).

Neerland, C., Gams, B., (Presenter) "Reducing Cesarean Births in an Urban Academic Medical Center," Fairview/M Health Presenting Discoveries Fairview/M Health, Minneapolis, Minnesota. (2017).

Neerland, C., Gams, B., (Author & Presenter) "Reducing Cesarean Births in an Urban Academic Medical Center," Minnesota Association of Women's Health, Obstetric and Neonatal Nurses MN AWHONN, Oakdale, Minnesota. (2017).

Neerland, C., (Presenter), Gams, B., (Presenter) "Reducing Cesarean Births in an Urban Academic Medical Center," Optimal Outcomes in Women's Health MN Affiliate of the American College of Nurse-Midwives, Minneapolis, Minnesota. (2017).

Neerland, C., (Presenter) "Vaginal Birth After Cesarean: Satisfaction with Midwifery Care," American College of Nurse-Midwives Annual Meeting American College of Nurse-Midwives (ACNM), Washington, District of Columbia. (2005).

Presentation/Talk

Neerland, C. "Confidence for physiologic birth in the birth center model of care," International Midwives Confederation (ICM) 32nd Triennial Congress, Bali, Indonesia. (June 2021). Conference cancelled.

Neerland, C. "Maternal Confidence for Physiologic Birth: Instrument Development and Testing," American College of Nurse-Midwives Annual Meeting, Washington, District of Columbia. (May 20, 2019).

Neerland, C., Huber, A., (Presenter), Folin, A., (Presenter) "Collaboration Across the Continuum: Safe and Collegial Transfer of Women from Home or Birth Center to the Hospital Setting," American College of Nurse-Midwives Annual Meeting American College of Nurse-Midwives (ACNM), Savannah, Georgia. (2018).

Neerland, C., Avery, M., (Presenter), Saftner, M., (Presenter) "Maternal Prenatal Confidence for Physiologic Labor and Birth: Women's & Providers Perspectives and Measurement," American College of Nurse-Midwives Annual Meeting American College of Nurse-Midwives (ACNM), Chicago, Illinois. (2017).

Neerland, C., Saftner, M., (Presenter), Avery, M., (Presenter) "Maternal Prenatal Confidence for Physiologic Labor and Birth: Women's & Providers Perspectives and Measurement," International Confederation of Midwives 31st Triennial Congress International Confederation of Midwives (ICM)N, Toronto, Canada. (2017).

Neerland, C., (Author), Avery, M., (Presenter), Saftner, M., (Author) "Women's & Prenatal Care Providers Perceptions of Prenatal Influences on Maternal Confidence for Physiologic Labor and Birth," International Normal Labour and Birth Conference, Sydney, Australia. (2016).

Neerland, C., Avery, M., (Presenter) "Developing Confidence for Physiologic Labor and Birth: Perceptions of Prenatal Influences," Midwest Nursing Research Society Midwest Nursing Research Society (MNRS), Milwaukee, Wisconsin. (2016).

Neerland, C., Saftner, M., (Presenter), Avery, M., (Presenter) "Developing Confidence for Physiologic Labor and Birth: Perceptions of Prenatal Influences," University of Minnesota School of Nursing Research Day University of Minnesota School of Nursing, Minneapolis. (2016).

Workshop

Neerland, C. "Three How-To's for Reducing your NTSV Cesarean Rate: Leadership Skills, Early Labor Lounges, and Training for Intermittent Auscultation," American College of Nurse-Midwives Annual Meeting, Washington, District of Columbia, United States. (May 2019).

Creative and Artistic Practice, Performances, and Exhibits

Video

Neerland, C., Welle, A., "Why I Value the ACNM," 2017 - Present
Neerland, C., "My Midwife Stands with Me," 2011 - Present

Media Contributions

"Talking COVID-19 for new and expecting mothers with U of M," 2020
University of Minnesota
<https://twin-cities.umn.edu/news-events/talking-covid-19-new-and-expecting-mothers-u-m>

"Slowdown on Cesareans," University of Minnesota 2018
twin-cities.umn.edu/news-events/slowdown-cesareans-0

"New U of M Project to Limit C-Sections is Showing Success," 2017
Star Tribune
<http://www.startribune.com/new-u-of-m-project-to-limit-c-sections-is-showing-success/437716253/>

"Experts Say Innovative Labor Sling May Help Reduce Cesarean Rate and Promote Natural Birth," M Health 2016
www.mhealth.org/blog/2016/october-2016/experts-hope-new-birthing-sling-will-help-reduce-c-section-rate-promote-natural-birth

"Birthing Sling' Could Reduce Need for C-Sections," Kare11 2016
www.kare11.com/article/news/health/birthing-sling-could-reduce-need-for-c-sections/89-358324818

Other Research/Research in Progress

Avery, M. D., Neerland, C., Saftner, M. A. On-Going, "Feasibility of a Prenatal Bundle to Enhance Women's Confidence for Physiologic Childbirth".

Neerland, C., Writing Results, "US Birth Summit IV (Health Equity Curricula and Decolonizing Research Action Groups)".

Multi-stakeholder group to co-create implementation strategies for emerging evidence, tools, and models of care that can eliminate inequities, improve access, and enhance quality of care across all communities.

TEACHING

Instructional Activity

University of Minnesota

Clinical Preceptor, University of Minnesota School of Nursing and Department of Ob/Gyn, Preceptor
Clinical preceptor for CNM, WHNP, FNP, and medical students 2007 - Present

Clinical, Uganda Study Abroad, Co-Leader Dec 31, 2018 - January 12, 2019
Co-lead experiential learning experience in Kampala, Uganda for DNP Midwifery and Nurse-Practitioner students.

Frontier Nursing University

Clinical Preceptor, Frontier Nursing University, Clinical Precepting
Clinical preceptor for CNM students 2012 - Present

CURRICULUM DEVELOPMENT ACTIVITIES

Curriculum Development Activities

University of Minnesota

Indigenization of Curriculum in Nursing Project September 2020 - Present

Big Ten Colleges of Nursing

Big Ten Colleges of Nursing: Engaging Students in Large Classes November, 2019

PROFESSIONAL DEVELOPMENT ACTIVITIES

Webinar, "Equity for Midwifery Education," 2017 - Present
Multiple webinars regarding equity in midwifery education: Webinars offer training, tools, resources.

Training, "AHRQ TeamSteps Master Trainer," 2018

ADVISING AND MENTORING

Undergraduate Students Activities

Advisees

Abigail Vals, Nursing 2020 - Present
Perceived Support in Labor and Birth Among Birthing Persons

Biomedical Engineering – Senior Design Group 2019 - 2020

Fetal Monitoring Device: The Care-E
Clinical advisor to group of 5 senior Biomedical Engineering students for their senior project to develop a prototype of a new/innovative medical device.

2020-2021

Biomedical Engineering – Senior Design Group
Collection Drape for Quantitative Postpartum Blood Loss Measurement

Clinical advisor to group of 5 senior Biomedical Engineering students for their senior project to develop a prototype of a new/innovative medical device.

2019

Mambo Che, Biology, Society, and Environment
Confidence for Physiological Birth: Women's Perspectives of the Birth Center Model of Care

Graduate Student Activities

Advisees

Sue Beavis, Nurse-Midwifery 2020 - Present
Labor tools to support physiologic birth

Samantha Manning, Nurse-Midwifery 2020 - Present
Foley bulb for outpatient cervical ripening

Paula Goldade, Nurse-Midwifery 2019 - Present
Shared Decision-Making in Conjunction with Timing of
Admission to the Labor and Delivery Unit

Committee Advising

Doctoral Final Committee: Committee Member

Tipper Gallagher, Nursing 2020 - Present

CLINICAL ACTIVITIES

Professional Practice

University of MN Physicians - Women's Health Specialists Clinic, June 2006 - Present
Full-scope Midwifery
20% Clinical Practice - Full scope Midwifery

Quality Improvement Projects

ACNM Reducing Primary Cesareans (RPC) Project January 1, 2016 - Present
Collaborators: Carrie Neerland
University of Minnesota Medical Center

Home & Birth Center Birth to M Health Transfer of Care Proposal
and Guideline 2015 - Present
University of Minnesota Medical Center

SERVICE

Service to the Discipline/Profession/Interdisciplinary Area(s)

Chair

American College of Nurse-Midwives (ACNM) 2018 - Present
Division of Membership & Publications
Oversee 6 Committees within the division

American College of Nurse-Midwives (ACNM) 2015 - 2018
Membership & Marketing Committee

MN Affiliate of ACNM - Media and Marketing 2010 - 2013

Co-chair

Optimal Outcomes in Women's Health Conference 2012 - 2018
Served as Chair and Co-Chair of regional women's health conference sponsored by MN Affiliate of ACNM.

Editorial Board Member

The Journal of Perinatal and Neonatal Nursing 2019 - Present

Member

MN Affiliate of American College of Nurse-Midwives Anti-racism Workshop Planning Committee	2020 - Present
MN Affiliate of ACNM - Committee for Equity and Justice	2016 - Present
Minnesota Midwives Bridge Club Group created to bridge midwives in Minnesota including CNMs, CPMs; increase the safety and communication around out-of-hospital to hospital transfers.	2014 - Present
University of Minnesota Health - Ob Interdisciplinary Team	2008 - Present
University of Minnesota Health - Zero Birth Injury Initiative Quality Improvement Team	2008 - Present
MDH - Minnesota Perinatal Quality Collaborative Hypertension Workgroup	January 2019 - 2020
Minnesota Department of Health - Perinatal Quality Collaborative Leadership Committee	2018 - 2020
MN Affiliate of ACNM - Nominating Committee	2018 - 2020
Hennepin County Medical Center - Ob/Gyn Professional Practice Group Research utilization, guidelines review/revision, patient care and safety issues.	2002 - 2006

Co-President

MN Affiliate of ACNM	2013 - 2017
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Reviewer

Creative Nursing	2019 – Present
Journal of Perinatal and Neonatal Nursing	2019 – Present
American College of Nurse-Midwives ACNM Annual Meeting Abstract Reviewer - Racism and Health Disparities Track	2018 - Present
Journal of Midwifery and Women's Health	2013 - Present

Treasurer

Organization for PhD Students in Nursing	2015 - 2018
MN Affiliate of ACNM	2009 - 2011

Service to the University/College/Department

University of Minnesota

University

Member, Women's Faculty Cabinet	August 2020 - Present
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Public and External Service

Abstractor, Minnesota Department of Health (MDH) - Maternal Mortality Review Committee	2020 - Present
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