

Christine Anderson Ph.D., RN
University of Michigan School of Nursing
Suite 4154; 400 North Ingalls St.
Ann Arbor, MI 48109
(734) 615-0530
fauve@umich.edu

EDUCATION AND TRAINING

1981 BSN University of Michigan School of Nursing
1990 M.A. History, Eastern Michigan University
2008 Ph.D. University of Michigan School of Nursing, Systems Concentration
2008 Certificate of Nursing Education, University of Michigan School of Nursing

CERTIFICATION AND LICENSURE

2018 Michigan RN License #4704135866

ACADEMIC, ADMINISTRATIVE, AND CLINICAL APPOINTMENTS

Clinical Appointments

1981-1982 Oakwood Hospital, Dearborn, Michigan. Staff nurse, medical oncology unit.
1982-1985 Veteran's Administration Medical Center, Ann Arbor. Staff nurse, thoracic and coronary ICU.
1985-2008 University of Michigan Health System.
1985-1993 Staff nurse Otolaryngology and Urology. CNIII 1990-1993.
1993-1999 Staff nurse, Main operating room
1999-2001 CNIII Main operating room.
2001- 2004. Otology –Neurotology Department/Operating room.
2004-2008 Educational leave of absence.

Academic Appointments

2005-2006 University of Michigan School of Nursing
Research Assistant, Dr. Richard Redman, Doctoral Program Director
2006 University of Michigan School of Nursing
Research Assistant, Dr. Ann Whall, Professor
2006 University of Michigan School of Nursing
Teaching Assistant, N532 Theoretical base for advanced nursing practice, Dr. Ann Whall,
Professor
2007 University of Michigan School of Nursing
Teaching Assistant, N570/Phil420 Philosophy of Science, Dr. James Joyce, Philosophy,
Dr. Richard Redman, Nursing
2008-2011 University of Michigan, School of Nursing
Clinical Instructor, Division of Nursing Business and Health Systems
2009-2012 Program Administrator, Perioperative Outcomes Initiative
Blue Cross Blue Shield and Blue Care Network of Michigan.
AN Talsma, program Co-Director
2011-2018 University of Michigan School of Nursing
Clinical Assistant Professor
2018-Present University of Michigan School of Nursing
Clinical Associate Professor

RESEARCH INTERESTS

1. Implementation science
 2. Agent based modeling and theory development
 3. Social network analysis
 4. Informatics
 5. Politics and health policy
- 1990 Master's Thesis, "Progress and limitations in the professionalization of nursing in the United States: 1890-1920." Daryl Hafter, Advisor.
- 2006 Network analysis of staffing conditions on a patient care unit. Beatrice Kalisch, Advisor.
- 2007 N699 Nursing Scholarly Project, Research project, "The Nature of Opinion Leadership in Nursing" Kristy Martyn, Advisor.
- 2008 Dissertation, "Agent-based Modeling of Nursing Opinion Leadership: A Philosophic Analysis and Exemplar Case of a New Theory Development Tool for Nursing." Professor Ann L Whall, Chair.

GRANTS

(PI Talsma, A) Robert Wood Johnson Evaluation of peri-operative processes of care and patient outcomes Role: Co-Investigator	2009-2010 25% effort	12 months
(PI Anderson, C) University of Michigan School of Nursing Internal Grants Program Agent based modeling and simulation of social networks among multidisciplinary operating room team members.	2012-2013 \$10,000	12 months

HONORS AND AWARDS

- 4/2014 AORN Writer's Award for Journal Article: Talsma, A., Anderson, C., Geun, H., Guo, Y., & Campbell, D. A. (2013). Evaluation of OR Staffing and Postoperative Patient Outcomes. Association of Operating Room Nurses. *AORN Journal*, 97(2), 230-242.
- 4/2010 Talsma, AN, Anderson, CA, Geun, HG, Guo, Y, Chard, R, Kleiner, C, Murphy, S. (2010). Evaluation of Patient Risk Factors and Intra-operative Processes on Patient Outcomes. University of Michigan School of Nursing Dean's Research Day. Ann Arbor, Michigan. (Poster Presentation, First Place – peer reviewed contest).
- 4/2010 Guen, HG, Talsma, AN, Anderson, CA, Chard, R, Kleiner, Murphy, S. (2010). Contributing Factors of Count Discrepancy with respect to Operation Room (OR) Processes. University of Michigan School of Nursing Dean's Research Day. April 6, 2010, Ann Arbor, Michigan. (Poster Presentation, Honorable Mention – peer reviewed contest).
- 3/2018 Tschannen, D. & Anderson, C. A. (2019) At risk or not at risk? The development of the Pressure Injury Predictive Model. National Pressure Ulcer Advisory Panel 2019 Annual Conference, March 2, 2019. St. Louis, MO. (Best Poster Award, Contribution to the Field).

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Political Science Association
Association of PeriOperative Registered Nurses
Computational Social Scientists Society of the Americas

IPN Institute for Professional Nursing
 Nursing History Society of the University of Michigan (Past President)
 Sigma Theta Tau International Honor Society of Nurses
 International Network for Social Network Analysis

EDITORIAL POSITIONS, BOARDS, AND PEER-REVIEW SERVICE

2010-2017 Reviewer, JAN, Journal of Advanced Nursing, Nursing Research and Research in Nursing & Health, European Journal of Operations Research, Policy, Politics and Nursing, American Journal of Surgery
 2010-2012 Member, Nursing Research Partnership, UMHS and UMSON
 2010-2019 Advisor, OR Counts Accountability and Process Committee, UMHS
 2010-2011 Content expert, AORN Documentation Standards and Recommended Practices Task Force
 2010-2013 Member, AMIA Nursing Informatics Working Group, Policy Committee
 2010-2014 Member AORN National Research Committee
 2014-2015 Chair AORN National Research Committee
 2011-2012 Content expert, AORN Sterile Field Standards and Recommended Practices Work Group
 2014 Content expert, AORN Thermoregulation Standards and Recommended Practices Work Group
 2015 Content expert, AORN Prevention of Retained Surgical Items Work Group
 2014 Member, Scientific Review Committee – MICHR Pilot Grants

TEACHING

2008-2010	N458	Transition to professional practice
2008-2018	N454	Leadership and management in nursing
2009-2012	N435/455	Leadership and transition to professional practice
2009-2015	N535	Strategies for nursing and healthcare
2012	N532	Theoretical Base for Advanced Practice
2012-2015	N653	Nursing Business and Health Systems Internship
2013-2019	N816	Policy Analysis and Transformation in Health Care
2014	N695	Special topics: Policy
2014	N603	Data Analysis
2015-2016	N588	Policy Analysis and Development for Healthcare Leaders
2015-2019	N910	Translation, Implementation and Comparative Effectiveness
2016-2017	N581	Systems and Organizational Science
2017-2018	N539	Quality Science and Analytics
2019	N218	Applied Statistics

COMMITTEE, ORGANIZATIONAL, AND VOLUNTEER SERVICE

2005-2006 Member, Curriculum Committee, University of Michigan School of Nursing
 2005-2006 Co-Chair, Doctoral Student Organization, University of Michigan School of Nursing.
 2006-2008 Committee on Academic Admissions and Scholastic Standing, University of Michigan School of Nursing.
 2007-2008 Association of Perioperative Registered Nurses Board of Directors Michigan Council of Operating Room Nurses
 2008-2009 Facilitator, Nursing Systems Interest Group University of Michigan School of Nursing
 6/2009-1/2010 HRSA Advanced Education Nursing Grants, “Nursing leadership for enhanced rural healthcare” (Not Funded)
 2009 Member, Curriculum committee DNP review task force, University of Michigan School of Nursing.
 2009-2010 Member, Perioperative/Perianesthesia Pressure Ulcer Prevention task force, UMHS
 2012-2018 Board Member, IPN Institute for Professional Nursing

- 2010-2015 Member, AORN National Research Committee
 2014-2015 Chair, AORN National Research Committee
 2016-2018 Board Member AORN of Ann Arbor
 2010-2013 Member, AMIA Nursing Informatics Working Group, Policy Committee
 2010-2012 Member, Nursing Research Partnership, UMHS and UMSON
 2009-2018 Advisor, OR Counts Accountability and Process Committee, UMHS
 2012 Member, Blended/Online Learning Task Force. University of Michigan School of Nursing
 2013-2014 Member, BSN-DNP Task Force. University of Michigan School of Nursing
 2013-2014 Member, Clinical Track Faculty Appointment and Promotion Task Force, University of Michigan School of Nursing
 2013-2015 Member, Teaching/Learning Technology Task Force, University of Michigan School of Nursing
 2014-2016 Member, UMSN Curriculum Committee
 2017-2019 Member, Evidence Based Practice & Standards Committee, Michigan Medicine
 2018 Member, Knowledge Foundation Project Task Force, University of Michigan School of Nursing

SEMINARS, AND INVITED PRESENTATIONS

Invited Presentations

- 3/2010 Talsma, AN, **Anderson, CA**, Chard, R, Murphy, S. Peri-operative Nursing and Patient Safety: Intra-operative Processes, Nurse Staffing and Patient Outcomes. AORN Congress. Denver, CO.
 4/2010 Talsma, AN, **Anderson, CA**, Chard, R, Murphy, S. Peri-operative Nursing and Patient Safety: Intra-operative Processes, Nurse Staffing and Patient Outcomes. Sigma Theta Tau, International Nursing Honor Society. Region 10 Annual Conference. Ann Arbor, MI.
 9/2010 Talsma, AN, **Anderson, CA**, Geun, HG, Chard, R, Murphy, S, Kleiner, C. Peri-operative Processes and Patient Risk Factors impact on Patient Outcomes. Symposium. CANS, Washington, DC.
 9/2010 **Anderson, C**, Kleiner, C, Talsma, A. The Value of Research: Developing Clinical Registries. AORN Informatics Conference, Denver, CO.
 11/2010 **Anderson, C**, Talsma, A. The Perioperative Outcomes Imitative: Using EHR to improve quality and patient safety in the OR. AORN of Ann Arbor, Ann Arbor, MI.
 2/2011 **Anderson, CA**, Talsma A. Introduction to Social Network Analysis: OR staffing. UMHS OR Management Group, Ann Arbor, MI.
 3/2011 Talsma, AN, **Anderson CA**, Chard, R, Murphy S, Kleiner, C. The Perioperative Research Alliance:AORN, Clinical Practice and the University of Michigan School of Nursing: Findings, Success, and Lessons Learned. AORN Congress, Philadelphia, PA.
 12/2014 **Anderson, CA**, Issues and Challenges in Evidence Appraisal. AORN Workshop. December 9, 2014. Denver, CO.
 1/2015 **Anderson, CA**, Affordable Care Act Update. Taking the Lead 2015: Leading in Turbulent Times. January 15, 2015. Ann Arbor, MI
 12/2015 **Anderson, CA**, American Association of Colleges of Nursing: Invitational Policy Faculty Symposium. December 3-4, 2015. Washington, DC
 3/2019 Tschannen, D. & **Anderson, C.A.** (2019) At risk or not at risk? The development of the Pressure Injury Predictive Model. National Pressure Ulcer Advisory Panel 2019 Annual Conference, March 2, 2019. St. Louis, MO.

BIBLIOGRAPHY

1. Kalisch, BJ, Begeny, S & **Anderson, CA.** (2008). The effect of consistent nursing shifts on teamwork and continuity of care. *JONA* 38 (3) 132-7.
2. Potempa, KM, Redman, RW & **Anderson, CA** (2008). Capacity for the advancement of nursing science: Issues and challenges. *Journal of Professional Nursing* 24(6) 329-36.

3. **Anderson, CA**, Keenan, GM & Jones, J. (2009) Using bibliometrics to support your selection of a nursing terminology set. *CIN: Computers, Informatics, Nursing* 27(2) 82-90. (CEU offering)
4. **Anderson, CA**, Talsma, AN (2011) Characterizing the Structure of Operating Room Staffing Using Social Network Analysis. *Nursing Research* 60(6) 378-85.
5. **Anderson, CA** Whall AL, (2011) A Philosophical Analysis of Agent-Based Modelling: A New Tool for Theory Development in Nursing. *JAN Journal of Advanced Nursing*, 67(4) 904-14.
6. Talsma, AN, Chard, R, Kleiner, C, **Anderson, CA**, Geun, HG. (2011). AORN and University of Michigan School of Nursing Research Alliance. *AORN Journal* 93 (6) 761-6.
7. Talsma, A., **Anderson, C.**, Geun, H., Guo, Y., & Campbell, D. A. (2013). Evaluation of OR Staffing and Postoperative Patient Outcomes. *Association of Operating Room Nurses. AORN Journal*, 97(2), 230-242. (AORN Writer's Award)
8. **Anderson, CA.**, & Whall, A. L. (2013). Nursing opinion leadership: A preliminary model derived from philosophic theories of rational belief. *Nursing Philosophy*, 14(4), 271-283.
9. Tschannen, D., **Anderson, C.**, Strobbe, S., Bay, E., Bigelow, A., Dahlem, C. H., . . . Seng, J. S. (2014). Scholarly productivity for nursing clinical track faculty. *Nursing Outlook*. doi: 10.1016/j.outlook.2014.05.006.
10. **Anderson, CA** and Titler, MG. (2014) Development and verification of an agent-based model of opinion leadership. *Implementation Science* 2014 9:136. doi:10.1186/s13012-014-0136-6
11. Montie, M., Shuman, C., Galinato, J., Patak, L., **Anderson, C. A.**, & Titler, M. G. (2017). Conduits to care: call lights and patients' perceptions of communication. *J Multidiscip Healthc*, 10, 359-366. doi:10.2147/JMDH.S144152
12. Shuman, C. J., Montie, M., Hoffman, G. J., Powers, K. E., Doettl, S., **Anderson, C. A.**, & Titler, M. G. (2019). Older Adults' Perceptions of Their Fall Risk and Prevention Strategies After Transitioning from Hospital to Home. *J Gerontol Nurs*, 45(1), 23-30. doi:10.3928/00989134-20190102-04
13. Hoffman, G. J., Shuman, C. J., Montie, M., **Anderson, C. A.**, & Titler, M. G. (2019). Caregivers' views of older adult fall risk and prevention during hospital-to-home transitions. *Applied Nursing Research*, 47, 10-15. doi:10.1016/j.apnr.2019.03.006

Book chapters

1. Burlingame, B. L., & Conner, R. L. (2015). Guideline for Prevention of Unplanned Patient Hypothermia. In R. L. Conner (Ed.), *AORN Guidelines for Perioperative Practice* (2018 ed.). Denver: AORN, Inc. **Contributor**
2. Van Wicklin, S. A., & Conner, R. L. (2015). Guideline for Sterile Technique. In R. L. Conner (Ed.), *AORN Guidelines for Perioperative Practice* (2018 ed.). Denver: AORN, Inc. **Contributor**
3. Wood, A., & Conner, R. L. (2017). Guideline for Prevention of Retained Surgical Items. In R. L. Conner (Ed.), *AORN Guidelines for Perioperative Practice* (2017 ed.). Denver: AORN, Inc **Contributor**
4. **Anderson, CA** & Titler, MG (2019) Launching Implementation in *Evidence-Based Practice for Nursing and Healthcare Quality Improvement* Elsevier: St. Louis, MO.
5. Titler, MG & **Anderson, CA**. (2019) Implementation Strategies: The social system and users of evidence-based practice in *Evidence-Based Practice for Nursing and Healthcare Quality Improvement* Elsevier: St. Louis, MO

Presentations, Posters and Other Media

1. **Anderson, C.** (2009) Verification and Validation of a Nursing Opinion Leader Model Using Agent-based Modeling. October 23-34, North American Association for Computational Social and Organization Sciences. Tempe, AZ.

2. Jones, J, **Anderson, CA**, Keenan, GM (2010) Representation and Evaluation of Nursing Practice in the EHR: Using bibliometrics to support your selection of a nursing terminology set. AMIA Nursing Informatics Work Group April 22, 2010, Invited Webinar.
3. Guen, HG, Talsma, AN, **Anderson, CA**, Chard, R, Kleiner, Murphy, S. (2010). Contributing Factors of Count Discrepancy with respect to Operation Room (OR) Processes. Academy Health. June 27-29, 2010, Boston, Massachusetts (Poster presentation).
4. Talsma, AN, **Anderson, CA**, Geun, HG, Chard, R, Murphy, S, Kleiner, C. (2010). Peri-operative Processes and Patient Risk Factors impact on Patient Outcomes. Symposium. CANS, September 2010, Washington DC.
5. Talsma, AN, **Anderson, CA**, Geun, GH, Gumate, S, McLaughlin, MM, Felicetti, I. (2010) Perioperative Outcomes Initiative (POI): Using Clinical Systems for Research. University of Michigan CyberInfrastructure Days. Nov 3-4, 2010. Ann Arbor, Michigan (Poster presentation).
6. Talsma, AN, **Anderson, CA**, Geun, HG, Guo, Y, Chard, R, Kleiner, C, Murphy, S. (2010). Evaluation of Patient Risk Factors and Intra-operative Processes on Patient Outcomes. University of Michigan School of Nursing Dean's Research Day. April 6, 2010, Ann Arbor, Michigan. (Poster Presentation, First Place – peer reviewed contest).
7. Guen, HG, Talsma, AN, **Anderson, CA**, Chard, R, Kleiner, Murphy, S. (2010). Contributing Factors of Count Discrepancy with respect to Operation Room (OR) Processes. University of Michigan School of Nursing Dean's Research Day. April 6, 2010, Ann Arbor, Michigan. (Poster Presentation, Honorable Mention – peer reviewed contest).
8. Talsma, AN, **Anderson, CA**, Geun, HG, Chard, R, Kleiner, C, Murphy, S. (2010). The Relationship between Operating Room Nursing Characteristics and Patient Outcomes. Midwest Nursing Research Conference (MNRS). April 10, 2010, Kansas City, Missouri (Poster Discussion).
9. Anderson, CA, Talsma, AN. (2011) Characterizing the structure of operating room staffing using social network analysis. University of Michigan School of Nursing Dean's Research Day. March 30, Ann Arbor, Michigan.
10. Talsma, AN, **Anderson, CA**, Ying, G (2011) Evaluation of gender differences in patient outcomes in acute care hospitals. MNRS Annual Research Conference, Columbus, Ohio, March 24-27.
11. Talsma, AN, **Anderson, CA**, Ying, G, Campbell, D (2011) Evaluation of multi-disciplinary OR staffing measures and post-surgical patient outcomes. MNRS Annual Research Conference, Columbus, Ohio, March 24-27.
12. Marsh, V., Sprague, R & **Anderson CA** (2014) Bridging the gap between RN Interns and preceptors with a new preceptor development program. March 29-April 2, 2014, AORN Surgical Conference and Expo. Chicago, IL.
13. Marsh, V., Sprague, R & **Anderson CA** (2014) CNOR: An Innovative Way to Help Staff Take the Test. March 7-11, 2015, AORN Surgical Conference and Expo. Denver, CO.
14. Schuen, B, **Anderson, CA**, Marentay P, & Prince, R (2018) Ensuring Patient Safety in the Operating room: Focus on Surgical Attire April 18, 2018 Undergraduate Research Opportunity Program's Annual Research Spring Symposium. Ann Arbor, Michigan
15. Tschannen, D. & **Anderson, C. A.** (2019) At risk or not at risk? The development of the Pressure Injury Predictive Model. National Pressure Ulcer Advisory Panel 2019 Annual Conference, March 2, 2019. St. Louis, MO. (Best Poster Award, Contribution to the Field).
16. Tschannen, D. & **Anderson, C.A.** (2019) At risk or not at risk? The development of the Pressure Injury Predictive Model. National Pressure Ulcer Advisory Panel 2019 Annual Conference, March 2, 2019. St. Louis, MO. (Invited Presentation)
17. Fannon, S.L, Kisting, M. & **Anderson, C.A.** (2019) Implementation of a protocol: Dexmedetomidine for use in Long-Term Procedural sedation in Non-Intubated Pediatric Patients. University of Michigan School of Nursing Research Day. April 9, 2019. Ann Arbor, MI