

# Curriculum Vitae

CATHERINE LYDEN

PhD, FNP-C, MSN-Ed, CNE, ACUE

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## EDUCATION

2012-2017	Duquesne University PhD in Nursing.	Pittsburgh, PA
2008-2012	University of Southern Maine MSN Family Nurse Practitioner.	Portland, ME
2006-2010	St Joseph's College MSN, (Nursing Education).	Standish, ME
1997-2000	Massey University Bachelor of Nursing Degree.	New Zealand
1981-1984	Auckland Hospital School of Nursing Registered General and Obstetric Nurse, May 1984	New Zealand

## OTHER EDUCATION AND CERTIFICATIONS

### CERTIFICATIONS

2022-present	Certified Nurse Educator National League of Nurses
2012-present	Family Nurse Practitioner American Association of Nurse Practitioners

1997-2019                      Certified Critical Care Nurse  
American Association of Critical Care Nurses

## OTHER EDUCATION

2024    Health Care and Patient Safety Certificate                      Online  
Muskie School of Public Health

2024    ACUE Certificate in Effective Online Teaching                      Online  
12-month online certificate

2011    Sloan Consortium Blended Teaching Certificate                      Online  
Three-workshop certificate on teaching using a blended format (a mixture of online  
and face to face teaching).

2007    Maine Medical Center    Portland, ME  
Clinical Scholar Program

1991-1992    University of Alberta    Alberta, Canada  
Intensive Care specialty course at the Misericordia Hospital and University of  
Alberta in Edmonton.

## SCHOLARSHIPS AND GRANTS

2022    UMS Micro-Credential 2022 Mini-Grant Proposal  
Schroeder, R. DNP, Hutchins, J. DNP, Sibley, Sean, MSN & Lyden, C. PhD.  
Mental health education for non-mental health providers in rural communities.  
*Received grant – project not completed.*

2016    Sigma Theta Tau, Kappa Zeta-at-Large Chapter  
Holly Gimpel Research Grant

2011    American Association of Critical Care Nurses  
Education Scholarship

2011    Maine Medical Center    Portland, ME  
Scholarships from the Nurses Scholarship fund

2010    University of Southern Maine    Portland, ME  
CTEL to transition child health class to a blended format

2010    Sabbatical Program    Portland, ME

Maine Medical Center Nursing Department Sabbatical program award with associated funds to work on Pediatric Sedation-Agitation Scale research project.

- 2009 Martin's Point Endowed Scholarship Standish, ME  
St Joseph's College, Education scholarship, Population Focused Care
- 2008 American Association of Critical Care Nurses  
Education Scholarship
- 2008 Maine Medical Center Portland, ME  
Nurses Scholarship fund
- 2007 Maine Medical Center Portland, ME  
Payson Scholarship Fund

## ACADEMIC APPOINTMENTS

2017-current Assistant Professor, School of Nursing  
University of Southern Maine

Responsibilities for teaching nurse practitioner students advanced health assessment in the Adult-Gerontology Acute Care, Psychiatric and Mental Health and Family Nurse practitioner tracts.

Work closely with family nurse practitioner students through their focused curriculum, including theory and clinical supervision courses.

Developed and currently teach an online advanced pathophysiology, pharmacology and health assessment course to masters nursing education students.

2006-2011 Part-time Faculty  
University of Southern Maine

Part time Adjunct Faculty in the BSN (both accelerated and traditional) program, taught over 70 credits between 2006 and 2011.

Clinical instructor working with both junior and senior nursing students as they used their theoretical knowledge in the clinical setting in both 7- and 14-week clinicals.

Collaborated and taught the senior simulation lab and senior practicum.

Developed and taught undergraduate Child Health Class from 2008 - 2011.

Developed a blended (online and face-to-face) summer Child Health Class May 2011

## SCHOLARSHIP

### RESEARCH

2023-current Global Advanced Practice Nurses' Job Satisfaction and Intent to Leave

- Co-investigator
- Quantitative Study
- The survey includes the Misener Job Satisfaction Scale and the Anticipated Turnover Scale
- An online survey of practicing nurse practitioners to evaluate job satisfaction and intent to leave from a global perspective.

2022-2023 To explore the effectiveness of simulation activities on building peer-professional relationships between ASL interpreters, NP and AT students during an Interprofessional education experience. IRB approval: 22-11-1946

- Co-investigator
- Mixed method study
- Evaluate the interprofessional experience of students, their satisfaction with the experience.
- Qualitative study evaluating the debriefing and feedback following an interprofessional experience working with ASL interpreters and deaf patients.

2020-2023 Nurse Practitioner students diagnostic reasoning skills

- Co-investigator
- Quantitative Study
- Use of Diagnostic thinking inventory with NP students in 13 countries to evaluate diagnostic thinking from a global perspective.
- Survey of faculty and NP programs to evaluate program consistency across the 13 countries and in relation to International Council of Nurses (ICN) NP program requirements.

2016 -2017 Job Satisfaction and Empowerment of Self-employed Nurse Practitioners: A Mixed Methods Study

- Primary investigator in consultation with dissertation committee
- Quantitative strand: survey available online and sent out via the postal service. The survey includes demographic questionnaire, the Misener Job Satisfaction Scale and Conditions of Work Effectiveness Questionnaire II (CWEQ-II).
- Qualitative strand: semi-structured interviews focused on lived experience of nurse practitioner business owners.
- Mixed Method data analysis will be done following complete analysis of both quantitative and qualitative strands looking for concordance or discordance in findings.

2007-2010 Pediatric Sedation-Agitation Scale

- Member of the Pediatric Sedation/Agitation Scale (PSAS) development team. Based on the Sedation/Agitation Scale (SAS)

- Phase I: PSAS instrument developed and then evaluated by an expert panel, changes and adjustments were made based on the feedback received.
- Phase II: the Primary Investigator in evaluating the PSAS in a clinical trial in the PICU. Comparisons were made to the Comfort Scale and the University of Michigan Sedation Agitation Scale.
- Due to the lack of patients who fitted the enrollment criteria and issues with data collection Phase II was discontinued.

## PUBLICATIONS

Pateneau, C., & **Lyden, C.** (2024). Diagnosis and Management of Diverticular Disease in Primary Care. Submitted to *The Nurse Practitioner*. (expected publication November 2024)

Rogers, M., **Lyden, C.**, Steinke, M., Windle, A., & Lehwaldt, D. (2023). An International Comparison of Student Nurse Practitioner Diagnostic Reasoning Skills. *Journal of the Association of Nurse Practitioners*. 35(8), 477-486. (Refereed)

Madden, M. & **Lyden, C.** (2023) Breaking down silos: Healthcare students' insights following interprofessional education telesimulation (1175-001735) in Abstracts presented at the 23<sup>rd</sup> Annual International Meeting on Simulation in Healthcare, January 21-25, 2023, Orlando FL. *Simulation in Healthcare Journal*. 18(3), E9.

**Lyden, C.**, Sekula, L. K., Higgins, B., & Zoucha, R. (2018). Job satisfaction and empowerment of self-employed nurse practitioners: A mixed methods study. *Journal of the Association of Nurse Practitioners*. 30(2): 78-9. doi: 10.1097/JXX.0000000000000007

**Lyden, CM.**, Kramlich, D., Groves, R., & Bagwell, S. (2012). Phase I: The development and content analysis of the Pediatric Sedation Agitation Scale. *Pediatric Nursing*. 38(5): 278-284.

**Lyden, C.** (2010). Uncovering child abuse. *Nursing Critical Care*. 2010, 5(3): 18-24.

**Lyden, C.** (2009). Caring for the victim of child abuse in the pediatric intensive care unit. *Dimensions of Critical Care Nursing*. 2009 Mar-Apr; 28(2):61-6.

**Lyden, C.** (October 2008). From Paper to Computer Documentation: One easy step? *Online Journal of Nursing Informatics (OJNI)*, 12 (3) [Online].

## PRESENTATIONS

**Lyden, C.** (2023, February 23). An International Comparison of Student Nurse Practitioner Diagnostic Reasoning Skills. CSTH seminar series. University of Southern Maine

**Lyden, C.,** Madden, M., & Shepard-Kegl, J. (2023, January 21-25). A Novel IPE Telesimulation to Enhance Care for Diverse Patients. [Hot Topic: 15-minute round-robin presentation]. Society for Simulation in Healthcare IMSH Conference: Orlando, Florida. (Refereed)

**Lyden, C.** & Thompson-Leavitt, P. (2022, November 3). Precepting for the Busy NP. [Conference session]. Maine Nurse Practitioner Association Conference: Rockland, ME.

**Lyden, C.** American self-employed NP's: an exploratory study. (2019, March 27). [Online Lunch n Learn Webinar American Association of Nurse Practitioners] 448 attendees. A 60-minute national webinar on American self-employed NPs: an exploratory study. Developed from my dissertation and added to from updated literature. The objective was to provide information and support to nurse practitioners interested in opening a private and independently owned private practice. The nurse practitioners may be self-employed but will be practicing within the bounds of their state nursing regulations.

**Lyden, C.** (2018, August 26-29). Job satisfaction and empowerment of self-employed nurse practitioners: A mixed methods study. [Conference session]. 10th ICN NP/APN Conference: Rotterdam, Netherlands. Session 7: Zeelenberg Zaal. (Refereed)

#### POSTER PRESENTATIONS

Madden, M., **Lyden, C.,** & Shepard-Kegl, J. (2023, January 21-25). Breaking Down Silos: Healthcare Students' Insights following Interprofessional Education Telesimulation. Society for Simulation in Healthcare (IMSH) Conference: Orlando, Florida (Refereed)

Rogers, M., **Lyden, C.,** Windle, A., Lehwaldt, D., & Steinke, M. (2022, August 21-24). Global Evaluation of Diagnostic Reasoning Skills of Student Nurse Practitioners. 12<sup>th</sup> Annual ICN NP/APN Conference: Dublin Ireland. (Refereed)

Siebers, E., **Lyden, C.,** & Giamportone K. (2022, June 26-29). Thinking Inside Out: Using a Virtual Platform to Overcome Barriers to Interprofessional Education. Association of SP Educators' (ASPE) 2022 annual conference: New Orleans, LA. (Refereed).

Siebers, E., **Lyden, C.,** & Giamportone K. (2022, May 5-6). Thinking Inside Out: Using a Virtual Platform to Overcome Barriers to Interprofessional Education. Costas T. Lambrew Research Virtual Retreat in association with Mainehealth. (Refereed).

**Lyden, C.** & Sekula, L. K. (2018, June 26-July 1). Job satisfaction and empowerment of self-employed nurse practitioners: A mixed methods study. American Association of Nurse Practitioners National Conference: Denver, Colorado. (Refereed)

## CLINICAL EXPERIENCE

2012 – Present      MMP Neurosurgery and Spine      Scarborough, ME

### *Nurse Practitioner*

- Assess, diagnose, and treat patients following amputation, as well as those with spine and neurosurgical diagnoses in conjunction with physiatrists and surgeons.
- Provide medical care including completing history and physical exams, diagnosing, and developing treatment plans for patients with neck and back issues.
- Work closely with neurosurgeons, completing history and physical exams and helping with office management of patients, prior to and following surgery.
- Developed the workflow for Mainecare patients requiring narcotics.
- 2014 to 2017 Coordinated advanced practice practitioners (nurse practitioners and physicians assistants) schedule.
- 2014-2017 Organized the monthly Spine Center medical education sessions.

2007-2010      Maine Medical Center      Portland, ME

### *Mentor for the yearly Clinical Scholar program.*

- A yearly program run from January through May, designed to educate health care professionals regarding Evidence-Based Practice and Research
- Taught class on research designs and terminology.
- Mentored groups of 5-6 participants through the process of project development through completion.

2005-2006      Maine Medical Center      Portland, ME

### *Clinical Associate Center for Clinical and Professional Development*

- Assisted Staff Development specialists in organizing nursing and multidisciplinary workshops including Introduction to Precepting, Trauma across the spectrum and CNA/NUA Overnight workshop.
- Taught BLS and the defibrillation section of Core II: Treatment of arrhythmias.

2000-2012      Maine Medical Center      Portland, ME

### *Staff Nurse*

- 2008 Promoted to Level III Staff Nurse Position, based on expertise and contributions to the department of nursing.
- Provided care for all patients in the mixed Pediatric and Adult Intensive Care Unit.
- Patients include medical and surgical adult and pediatric patients.
- Involved with Pediatric Transport of unstable infant and children to MMC.

1995-2000 Travcorps/American Mobile Nursing Boston, MA

*Travel Nurse*

- 3–6-month assignments employed as a staff nurse in various teaching hospitals around the United States.
- Specialized in Intensive Care Nursing, including CVIVU, SICU and CCU
- Hospitals included New York University Medical Center, Maine Medical Center, Johns Hopkins, University of California, and Newton-Wellesley Hospital.

1990-1996 Edmonton Hospitals Alberta, Canada

*Staff Nurse*

- Employed at both the University of Alberta and Misericordia Hospital
- Worked 24-36 hours per week between the ER, ICU and Critical Care Float Pool
- Developed skills in quick assessment, history taking and dealing with all age groups.

1984-1990 Other nursing positions New Zealand/Australia

*Staff Nurse*

- 2 years in pediatrics, general surgery and coronary care in both Auckland New Zealand and Melbourne Australia.

## PROFESSION ORGANIZATIONS

2021-present	International Nursing Association of Clinical Simulation and Learning (member)
2021-present	American Society of Standardized Patient Educators (member)
2021-present	National League of Nursing
2021-present	Society for Simulation in Health Care
2018-present	National Organization of Nurse Practitioner Faculty (member)
2012-present	American Association of Nurse Practitioners (member)
2012-present	Maine Nurse Practitioner Association (member/professional development team member) <i>uncompensated</i>

2008-2021	Sigma Theta Tau International Inaugurated into Kappa Zeta-at-Large. (member)
2005-2019	American Association of Critical-Care Nurses (Member of Southern Maine Chapter) (member)
1997-2019	American Association of Critical-Care Nurses (member)

## VOLUNTEER AND COMMITTEE ACTIVITIES

### UNIVERSITY OF SOUTHERN MAINE

2019 to current      USM Interprofessional education (IPE) committee - USM committee focused on developing opportunities allowing students of various programs including nursing, athletic training, and Linguistics department American Sign Language program to come together to provide students with joint learning opportunities.

### SCHOOL OF NURSING

2018 to present      Graduate Simulation Resource Leader with the support of the Dean we initiated simulation in the graduate program. Following learning about Objective Structured Clinical Exams, they have become an integral part of health assessment. We have a space in the science building with patient rooms, and now the recording capability allows the students to review their progress. The role involves educating and supporting graduate faculty interested in adding simulation to their classes. Support includes locating and working with the standardized patients, assistance with writing scenarios and developing an appropriate schedule for each simulation session.

Spring 2023: coordinated a compliance training session for the school of nursing through the Dean's office to facilitate staff and faculty education.

Spring 2021: coordinated SoN faculty meetings in coordination with the Associate Dean for the 2021-22 academic year as the school was without a coordinator. This involved setting up the schedule and working with registration and scheduling services to ensure we had an appropriate space to meet.

2017 to present SON Graduate Curriculum, Admissions, and Advancement Committee (GCAAC)- member 2017 chair January 2021. As the chair I lead meetings and work with graduate faculty coordinating the graduate nursing programs including admission, progression, curriculum, and new program development.

2020-2021 Clinical coordinator for family nurse practitioner program

Taking on the role required learning the administrative responsibilities of the clinical placement coordinator including contractual work, and the paperwork involved in placing students at multiple clinical sites throughout Maine. In this role I worked closely with our graduate program coordinator and our students, we were able to place the students allowing them to graduate in May 2021. I then worked collaboratively with the students beginning clinical in the summer of 2021, placing students for the summer and fall semesters. In February 2021 I trained our new clinical placement coordinator, meeting weekly to review the process and our progress with clinical placements. I continue to support our clinical coordinator as she works with our practice partners and students to assist with placements.

2018-20021 SON Search committee member – faculty hiring committee for the School of Nursing. Work closely with human resources this semester to hire lecturers, Assistant Professors and Clinical track faculty for nurse practitioner programs. Work with other members to review applications and set up phone and zoom interviews. Committee responsible for identifying the best candidates to meet the needs and goals of the school of nursing.

#### COMMUNITY – PROFESSIONAL

2018- present Maine Nurse Practitioner Association Professional Development Team  
Monthly meetings  
Development of the twice-yearly conferences  
Coordinate speakers and speakers' introductions.

2010-2012 American Association of Critical-Care Nurses  
Volunteer board member of Southern Maine Chapter

2006-2012 Special Care Unit Education Care Committee  
Member of Maine Medical Center Special Care Unit (Intensive Care Unit) Education Committee

Coordinated yearly skills fair and developed written case studies including Caring for a pediatric patient with VACTREL and Tracheobronchial Malacia and Acute Myocardial Infarction for Critical Care Nurses

2004- 2005                      Maine Medical Center                      Portland, ME  
Co-chair on the Hospital Education Committee that developed the Sabbatical Program and the hospital wide Conference funding Request form for the Department of Nursing.

#### COMMUNITY

2014                                      Medical Mission with Christo Salvo to Honduras  
Involved in primary health care clinics for the local population.

2002 – 2010                      Central Africa Vision                      Portland, ME  
Helped to organize fund-raising dinners for the micro-banks for Woman in Rwanda, and the Reconciliation conferences held in Rwanda.  
Developed brochures, programs, and organized auctions – seeking and coordinating donations.