

## ACADEMIC CURRICULUMVITA

Jenny Grace Alderden  
jennyalderden@boisestate.edu

### A. EDUCATION

<u>Year</u>	<u>Degree</u>	<u>Institution (Area of Study / Specialization)</u>
2017	PhD	University of Utah College of Nursing
2015	Graduate Certificate	University of Utah College of Nursing (Teaching Nursing)
2009	MN	University of Washington College of Nursing
2001	BSN	University of Illinois at Chicago College of Nursing

#### Licensure / Certification

2003– present	Critical Care Nurse Specialist, American Association of Critical Care Nurses
2010– present	Critical Care Registered Nurse, American Association of Critical Care Nurses
Current	Registered Nurse, Idaho: N-38675
Current	Advanced practice registered nurse (APRN), Idaho: CNS78

### B. EMPLOYMENT / PROFESSIONAL EXPERIENCE

<u>Dates</u>	<u>Position and Institution</u>
01/2022- present	Associate Professor, Boise State University School of Nursing
01/2022- present	Adjunct Assistant Professor, University of Utah College of Nursing
07/2019– 12/2021	Assistant Professor, University of Utah College of Nursing
12/2020-4/2021	Critical Care Nurse Specialist, St. Luke's Health System [Temporary Position in Response to COVID-19 Surge]
09/2009—07/2020	Critical Care Nurse Specialist, St. Luke's Health System
05/2017–07/2019	Assistant Professor, Boise State University School of Nursing
05/2017–07/2019	Adjunct Assistant Professor, University of Utah College of Nursing
09/2009–01/2011	Clinical Instructor/Adjunct Faculty, Boise State University School of Nursing
05/2007–05/2009	Staff Nurse and Charge Nurse, Critical Care Unit, Harrison Medical Center
2007–2009	Captain, 446 Aeromedical Staging Squadron, United States Air Force Reserve
2006–2007	Helicopter Flight Nurse & Shock Trauma Platoon Head Nurse, U.S. Navy Nurse Corps, Al Anbar, Iraq
2005–2006	Team Member, Fixed-Wing Air Transport, Critical Care Air Transport Team, Okinawa, Japan
2005–2006	Lead Nurse, Training/Education, Naval Hospital, Critical Care Unit, Okinawa, Japan

2005–2006	Charge Nurse and Relief Division Officer, Naval Hospital, Critical Care Unit, Okinawa, Japan
2003–2005	Staff Nurse and Charge Nurse, Naval Medical Center, Critical Care Unit, San Diego, CA
2001–2002	Staff Nurse and Charge Nurse, Naval Medical Center, Medical–Surgical Unit, San Diego, CA

**C. HONORS, RECOGNITIONS, & AWARDS**

<u>Year(s)</u>	<u>Recognition</u>	<u>Received From</u>
2022	Faculty Scholar	National Pressure Injury Advisory Panel
2020	Distinguished Educator in Gerontological Nursing	Hartford Center for Gerontological Nursing Excellence
2020-2022	Vice President's Clinical and Translational Scholar (VPCAT)	University of Utah
2019	Research Dissertation Award	Sigma Theta Tau International Honor Society of Nursing
2019	Edna Stilwell Writing Award	Journal of Gerontological Nursing
2017	Research Manuscript Award	Wound Ostomy and Continence Nursing Society
2017	Critical Care Nurse of the Quarter	St Luke's Meridian Medical Center
2017	Outstanding Dissertation	University of Utah College of Nursing
2016	Outstanding PhD Student	University of Utah College of Nursing
2013	Annette Poulson Cumming Award	University of Utah College of Nursing
2008	Company Grade Officer of the Quarter	446 Aeromedical Staging Squadron, U.S. Air Force Reserve
2007	Navy Achievement Medal	United States Navy
2006	Outstanding Preceptor Award	Naval Hospital, Okinawa, Japan
2004	U.S. Navy Nurse Corps Junior Nurse Corps Council Volunteerism Award	United States Navy
2003	Naval Medical Center San Diego Junior Nurse Corps Service Award	United States Navy
2001	Student Nurses Association Professionalism Award	University of Illinois at Chicago
1999–2001	Honors College Member	University of Illinois at Chicago

**D. SCIENTIFIC REVIEWER**

<u>Date</u>	<u>Panel</u>
9/2021	Department of Defense Congressionally Directed Medical Research Program (CDMRP) Peer-Reviewed Research Program. Investigator Initiated Award.

## **E. RESEARCH AND SCHOLARLY WORK**

### Extramural Grants / Contracts

<u>Dates</u>	<u>Amount</u>	<u>Status</u>	<u>Title &amp; Funding Agency</u>	<u>Role</u>
2022-2024	\$50,000	Funded	<i>Preventing Pressure Injuries with Modernized Risk Assessment</i> American Association of Critical Care Nurses Impact Award	PI
2016-2022	\$3,124,584	Funded	<i>Preventing Pressure Ulcers with Repositioning Frequency and Precipitating Factors</i> National Institutes of Health/ National Institute of Nursing Research (R01 NR016001-04W1; PI Yap)	Site PI
2019-2021	\$10,000	Funded	<i>Pressure Injury Risk Prediction Among Critical-Care Patients: Testing a Machine-Learning Model.</i> American Association of Critical Care Nurses/ Sigma Theta Tau Critical Care Grant	PI
2019–2020	\$249,934	Funded	<i>Influence of Alzheimer's Disease and Related Dementias Among Obese and Non-Obese Nursing Home Residents on Movement Patterns and Repositioning</i> National Institute for Nursing Research (funded under R01 NR016001-04W1, administrative supplement to R01 NR016001; PI: Yap)	Site PI

### Scholarships / Fellowships

<u>Dates</u>	<u>Amount</u>	<u>Scholarship / Fellowship</u>
2015–2017		T32NR01345 Predoctoral Fellowship
2013–2015	\$100,000	Hartford Foundation Patricia Archbold Scholarship

## **F. PUBLICATIONS & EDITORIAL EXPERIENCE**

### Book Chapters

**Alderden J.** (In Press). Critical care patients with special needs: Care of the older adult. *AACN Core Curriculum for Critical Care Nursing*. 8<sup>th</sup> ed.

**Alderden J,** Pepper G. Critical care patients with special needs: Care of the older adult. In: T.J. Hartjes, ed. *AACN Core Curriculum for Critical Care Nursing*. 7<sup>th</sup> ed. Annapolis, MD: Elsevier. 2018:732-40.

## Journal Publications

- Rose A, Cooley AS, Yap, TL, **Alderden J**, Sabol V, Lin A, Brooks K, Kennerly S. (In Press) Increasing Nursing Documentation Efficiency Using Wearable Patient Sensors for Pressure Injury Prevention. *Critical Care Nurse*.
- Yap TL, Horn SD, Sharkey PD, Zheng T, Bergstrom N, Colon-Emeric C, Sabol VK, **Alderden J**, Yap W, Kennerly SM. Effect of Varying Repositioning Frequency on Pressure Injury Prevention in Nursing Home Residents: The TEAM-UP Randomized Clinical Trial Results. *Advances in Skin and Wound Care*. 2022 Jan 19.
- Stewart TP, Black JM, **Alderden J**, Yap TL. The Past, Present, and Future of Deep-Tissue (Pressure) Injury. *Advances in Skin and Wound Care*. 2022 Feb 1;35(2):78-80.
- Yap TL, **Alderden J**, Kennerly SM, Horn SD, Rowe M, & Sabol V. To turn or not to turn: Exploring nurses' decision-making processes concerning regular turning of nursing home residents. *Gerontology and Geriatric Medicine*, 2021 Oct; 21(1), 12-20.
- Alderden J**, Amofo L, Zhang Y, Fife C, Yap D, Yap TL. Comparing Risk Profiles in Critical Care Patients with Stage 2 versus Deep Tissue Pressure Injuries: An Exploratory Cohort Study. *JMIR Dermatology*. 2021;4(2):57-97. DOI: 10.2196/29757
- Alderden J**, Cadavero A, Zhao YL, Dougherty D, Jung SH, Yap TL. Subsequent Pressure Injury Development in Mechanically Ventilated Critical Care Patients with Hospital-Acquired Pressure Injury: A Retrospective Cohort Study. *Advances in Skin and Wound Care*. 2021 Aug;34(8):412-416.
- Yap TL, **Alderden J**, Lewis ML, Taylor K, Fife CE. Angiosomal Vascular Occlusions, Deep-Tissue Pressure Injuries, and Competing Theories: A Case Report. *Advances in Skin & Wound Care*. 2021 Mar;34.3:157-64.
- Alderden J**, Drake K, Wilson A, Dimas J, Cummins MR, Yap TL. Hospital Acquired Pressure Injury Prediction in Critical Care Patients. *BMC Medical Informatics and Clinical Decision Making*. 2021 Jan;21(1);12-20.
- Edelman L, McConnell ES, Kennerly S, **Alderden J**, Horn S, Yap TL. Mitigating the Effects of a Pandemic: Facilitating Improved Nursing Home Care Delivery Through Technology. *JMIR Aging*. 2020;3(1):e20110. doi: 10.2196/20110 PMID: PMC7252197
- Cowan L, Broderick V, **Alderden J**. Pressure Injury Prevention Considerations for Older Adults. *Crit Care Nurs Clin North Am*. 2020 Dec;32(4):601-609.
- Alderden J**, Shibily F, Cowan L. Best Practice in Pressure Injury Prevention Among Critical Care Patients. *Crit Care Nurs Clin North Am*. 2020 Dec;32(4):489-500.
- Alderden J**, Cummins MR, Zaratkiewicz S, Zhao YL, Drake K, Yap TL. Hospital Acquired Pressure Injury Development among Critical Care Patients Admitted with Community Acquired Pressure Injury. *Journal of Wound Ostomy and Continence Nursing*. 2020;47(5):470-476.
- Alderden J**, Cummins MR, Cowan LJ, Dimas J, Chen D, Zhang Y, Yap TL. Risk Factors for Hospital-Acquired Pressure Injury in Surgical Critical Care Patients. *American Journal of Critical Care*. 2020;29(6):128-134.
- Yap TL, **Alderden J**, Sabol VK, Horn SD, Kennerly SM. Real-time Positioning Among Nursing Home Residents Living with Dementia: A Case Study. *Wound Management & Prevention*. 2020;66(7):16-22.
- Sabol V, Kennerly SM, **Alderden J**, Horn S, Yap TL. Insight into the Movement Behaviors of Nursing Home Residents Living with Obesity: A Report of Two Cases. *Wound Management & Prevention*. 2020;66(5):18-29.
- Martz K, **Alderden J**, Swick D, Bassett R. Outcomes associated with a nurse-driven palliative care referral protocol. *Critical Care Nurse*. 2020;40(3):23-29.
- Zhao Y, **Alderden J**, Lind B, Stibrany J. Risk factors for falls among homebound community dwelling older adults. *Public Health Nursing*. 2019;36(6):772-778.
- Alderden J**, Zhao Y, Thomas D, Gulliver B, Butcher R, Cummins M. Outcomes associated with stage 2 pressure injuries: A retrospective cohort study. *Critical Care Nurse*. 2019;27(6):471-476.

**Alderden J**, Zhao Y, Zhang Y, Zhang Y, Butcher R, Thomas D, Cummins M. Outcomes associated with stage 1 pressure injuries: A retrospective cohort study. *American Journal of Critical Care*. 2018;27(6):471-476.

**Alderden J**, Pepper GA, Whitney J, Wilson A, Richardson S, Butcher R, Jo Y, Cummins M. Predicting pressure injuries among critical care patients: A machine learning model. *American Journal of Critical Care*. 2018;27(6):461-468.

Zhao Y, **Alderden J**, Lind B, Kim H. A comprehensive assessment of risk factors for falls in community-dwelling older adults. *Journal of Gerontological Nursing*. 2018;44(10):40-48.

**Alderden J**, Cummins M, Pepper GA, Whitney JD, Zhang Y, Butcher R, Thomas D. Mid-range Braden subscale scores are associated with increased risk for pressure injury among ICU patients. *Journal of Wound, Ostomy, and Continence Nursing*. 2017;44(5):420-428.

**Alderden J**, Rondinelli J, Cummins M, Pepper G, Whitney J. Risk factors for pressure injuries among critical care patients: A systematic review. *International Journal of Nursing Studies*. 2017;71:97-114.

**Alderden J**, Cummins M. Standardized nursing documentation and the oncology nurse. *Clinical Journal of Oncology Nursing*. 2016;29(3):336-339.

**Alderden J**, Whitney JD, Taylor SM, Zaratkiewicz S. A retrospective record review of risk profile characteristics associated with hospital acquired pressure ulcer outcomes. *Critical Care Nurse*. 2011;31:30-43.

Media:

Woundsourc Webinar. December 2021. Latest Research in Turning and Repositioning for Pressure Injury Prevention: Expert Panel Discussion

American Legion Magazine. January 2022. Featured expert in the article *Pressure Ulcer Prevention Tips*.

Editorial Experience:

**Guest Editor:** *Critical Care Nursing Clinics of North America* Volume 32 Issue 4, 'Pressure Injuries Among Critical Care Patients'. Published November 2020.

**2021-2023 Editorial Board Member:** *Critical Care Nurse*

Editorial Boards

<u>Years</u>	<u>Journal (Role)</u>
2021-present	<i>Journal of Wound, Ostomy, and Continence Nursing</i>
2021-present	<i>BMC Geriatrics</i>
2020-present	<i>JMIR Medical Informatics</i> (Reviewer)
2020-present	<i>American Journal of Critical Care</i> (Reviewer)
2019–present	<i>British Journal of Dermatology</i> (Reviewer)
2018–present	<i>Journal of Wound Care</i> (Reviewer)
2017–present	<i>Journal of Professional Nursing</i> (Reviewer)
2016–present	<i>Critical Care Nurse</i> (Reviewer)

**G. PRESENTATIONS**

Peer-Reviewed Presentations

<u>Dates</u>	<u>Author(s). Title; Sponsor</u>	<u>Location</u>
03/2022	Cox J, <b>Alderden J.</b> <i>Beyond the Braden: Pressure Injury Prevention in the ICU.</i> Invited Podium Presentation, National Pressure Injury Advisory Panel.	Tampa, FL
02/2022	Brooks K, Kennerly SM, Rose A, Cooley A, Lin J, <b>Alderden J</b> , Sabol V, Yap TL. <i>The additional benefit of patients wearing sensors for pressure injury prevention is automated nursing documentation.</i> Poster presentation at Southern Nursing Research Society Annual Conference.	New Orleans, LA
02/2022	Yap TL, Horn SD, Sharkey PD, Zheng T, <b>Alderden J</b> , Sabol V, & Kennerly SM. (2022) <i>Pressure Injury Prevention in Nursing Homes: The Latest Findings on Extending Repositioning Intervals.</i> Invited podium presentation at Southern Nursing Research Society Annual Conference.	New Orleans, LA
10/2021	<b>Alderden J</b> , Brewster G. Leveraging Social Media for Research Success National Hartford Center of Gerontological Nursing Excellence Annual Symposium.	Philadelphia, PA
10/2021	<b>Alderden J</b> , Dimas J, Wilson A. <i>Machine Learning for Predicting Hospital Acquired Pressure Injuries in ICU Patients: From Explainable AI to Ensemble Super Learners.</i> American Medical Informatics Association Annual Symposium.	San Diego, CA
11/2020	<b>Alderden J</b> , Dimas J, Shields A, Bailey N, Borgono J, Krikov S, Keywood M, Wilson A. <i>Incorporating Clinical Notes to Uncover Etiological Patterns in Surgical ICU Patients with Pressure Injuries;</i> ISPOR Europe. [E-published due to COVID19]	Vienna, Austria
06/2020	<b>Alderden J</b> , Wilson A, Drake K. <i>Going Upstream in Machine Learning; The Importance of Feature Engineering with Examples from a Surgical ICU;</i> DIA (formerly Drug Information Association) Annual Meeting. [E-published due to COVID19]	Washington, D.C.
04/2020	Zhao L, <b>Alderden, J.</b> <i>Differences in Fall Risks between Homebound and Non-homebound Older Adults;</i> Western Institute of Nursing. [E-published due to COVID19]	Portland, OR
07/2019	<b>Alderden J</b> , Zhao L. <i>Stage 2 pressure injury outcomes among critical care patients;</i> Sigma Theta Tau International Congress.	Calgary, Canada
04/2018	<b>Alderden J.</b> <i>Most pressure injuries identified among critical care patients persist;</i> Western Institute of Nursing.	Anaheim, CA
04/2018	<b>Alderden J</b> , Cummins M, Zhao L. <i>Outcomes associated with stage 1 pressure injuries;</i> Western Institute of Nursing.	Spokane, WA
04/2018	Nakashima H, <b>Alderden J.</b> <i>Duration of general anesthesia is associated with development of delirium among ICU patients;</i> Western Institute of Nursing.	Spokane, WA
03/2018	<b>Alderden J</b> , Cummins M, Pepper G, Wilson A. <i>Predicting pressure</i>	San Francisco, CA

*injuries among critical care patients: A machine learning approach;*  
American Medical Informatics Association Informatics Summit.

04/2017	<b>Alderden J</b> , Cummins M, Pepper G, Whitney J, Wilson A. <i>Midrange Braden Scale scores are associated with increased risk for pressure injury development among critical care patients</i> ; Western Institute of Nursing.	Denver, CO
11/2015	<b>Alderden J</b> . <i>Gerotech: The future is now</i> ; Symposium presentation, Gerontological Society of America [Chair].	Orlando, FL
11/2014	Roiland R, <b>Alderden, J</b> . <i>The frailty connection: Association with chronic disease and health outcomes</i> ; Symposium presentation, Gerontological Society of America [Co-chair].	New Orleans, LA

**H. EXTERNAL SERVICE**

<u>Years</u>	<u>Organization</u>	<u>Role</u>
2020-2024	National Hartford Center of Gerontological Nursing Excellence	Board of Directors
2020-2022	National Hartford Center of Gerontological Nursing Excellence	Early Career Director
2018–2020	American Association of Critical Care Nurses	Chapter Secretary
2017–present	Western Institute of Nursing Gerontology Special Interest Group, 2019-present Special Interest Group, 2018–2019 Special Interest Group, 2017–2018	Board Member Chair Co-Chair
2013–2015	Emerging Scholars Professional Organization, Gerontological Society of America	Representative to Health Sciences Section
2013–2014	Medicaid Matters in Idaho	Interviewer & Data Gatherer

**I. PROFESSIONAL ORGANIZATIONS**

2015- present	National Hartford Centers for Gerontological Nursing Excellence	Member
2009–present	Gerontological Society of America	Member
2009–present	University of Utah Center on Aging	Member
2003–present	American Association of Critical Care Nurses	Member
2001- present	Sigma Theta Tau International	Member