

## CURRICULUM VITAE

**Alaa AlBashayreh, PhD, MSHI, RN**  
Associate Faculty

College of Nursing, 310 CNB  
The University of Iowa

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September 22, 2022

## EDUCATION

Year	Degree	Field of Study	Institution & Location
2017-2022	PhD	Nursing	University of Iowa, Iowa City, Iowa, USA
2020-2022	MSc	Health Informatics	University of Iowa, Iowa City, Iowa, USA
2007-2010	MSc	Nursing	Jordan University of Science and Technology, Irbid, Jordan
2002-2006	BSc	Nursing	Hashemite University, Zarqa, Jordan

**PhD Dissertation** (Advisor: Dr. Stephanie White)

AlBashayreh, A. E. I. (2022). *Evaluating Patient-Centered Outcomes in Palliative Care and Advanced Illness Using Natural Language Processing and Big Data Analytics* (Order No. 29319983). Available from ProQuest Dissertations & Theses Global. [[link](#)]

## LICENSURE

2022 - Present	RN, Iowa, #171217
2006 - Present	RN, Jordan, #8085/60001

## PROFESSIONAL EXPERIENCE

**Academic Appointments**

2022 - Present	Associate Faculty, University of Iowa, College of Nursing, Iowa City, Iowa, United States
2017 - 2022	Research Assistant, University of Iowa, College of Nursing, Iowa City, Iowa, United States
2014 - 2017	Lecturer, Sultan Qaboos University, College of Nursing, Muscat, Oman
2013 - 2014	Lecturer, Al-Hussein Bin Talal University, College of Nursing, Maan, Jordan
2011 - 2013	Lecturer, Buraydah Colleges, Department of Nursing, Qassim, Saudi Arabia
2008 - 2011	Clinical Nurse Educator (Part-Time), Jordan University of Science and Technology, Faculty of Nursing, Irbid, Jordan

**Clinical Appointments**

- 2007 - 2011 Registered Nurse, King Abdulla University Hospital, Pediatric Intensive Care, Irbid, Jordan
- 2006 - 2007 Registered Nurse, King Abdulla University Hospital, Oncology and Palliative Care, Irbid, Jordan

**HONORS AND AWARDS**

- 2022 Dean's Award for Student Poster Competition - Midwest Nursing Research Society, University of Iowa, College of Nursing (\$500)
- 2022 Graduate College Presentation Travel Funds, University of Iowa (\$600)
- 2021 Ballard and Seashore Dissertation Fellowship, University of Iowa (\$10,500)
- 2021 Graduate and Professional Student Government Travel Grant, University of Iowa (\$500)
- 2021 Kay Janice Green PhD Scholarship, University of Iowa (\$20,000)
- 2021 Dean's Award for Student Poster Competition - Midwest Nursing Research Society, University of Iowa, College of Nursing (\$500)
- 2020 Barbara and Richard Csomay Doctoral Scholarship, University of Iowa (\$10,000)
- 2020 Graduate College Summer Fellowship, University of Iowa (\$5,000)
- 2020 Dean's Award for Student Poster Competition - Midwest Nursing Research Society, University of Iowa, College of Nursing (\$500)
- 2019 Graduate College Presentation Travel Funds, University of Iowa (\$700)

**SCIENTIFIC RESEARCH GRANTS**

- 2020 Palliative care outcomes at a tertiary academic medical center using EHR data and natural language processing. Principal Investigator: **AlBashayreh**, Institute for Clinical and Translational Science-Bio-Medical Informatics In-Kind Grant, University of Iowa (\$700)
- 2019 What matters most to the seriously ill patients. Principal Investigator: **AlBashayreh**, Stanley Graduate Award for International Research, University of Iowa (\$2,500)
- 2016 Quality of hospital work environment, nursing workforce, and nursing outcomes. Co-Investigator: **AlBashayreh**, Sultan Qaboos University, Muscat, Oman, Grant # IG/CON/FACN/16/1 (\$780)
- 2016 Role transition from education to practice and its impact on career future of Omani nurses. Principal Investigator: **AlBashayreh**, Sultan Qaboos University, Muscat, Oman, Grant #IG/CON/FACN/16/2 (\$6,237)
- 2015 Nursing practice environment, job outcomes, and quality of patient care in Oman. Principal Investigator: **AlBashayreh**, Sultan Qaboos University, Muscat, Oman, Grant # IG/CON/DEAN/15/1 (\$520)

**SCHOLARSHIP****Research Statement**

With a program of research in the intersections of informatics, patient-centered outcomes, and palliative and end-of-life care, the ultimate research goal is to promote the timely initiation of palliative care and enhance patient-centered care in advanced illness.

**Publications** [KEY: \* = data-based; bold = my authorship]

*Peer-Reviewed Papers*

1. \***AlBashayreh, A.**, Al Sabei, S. D., Al-Rawajfah, O. M., & Al-Awaisi, H. (2019). Healthy work environments are critical for nurse job satisfaction: implications for Oman. *International Nursing Review*: 66,389-395. [[link](#)]
2. \*Bar-Sela, G., **AlBashayreh, A.**, ... Silbermann, M. (2019). Human development index and its association with staff spiritual care provision: a middle Eastern oncology study. *Supportive Care in Cancer*: 27(9), 3601-3610. [[link](#)]
3. Cherwin, C., Nakad, L., & **AlBashayreh, A.** (2019). Systematic review of nonpharmacologic approaches for the management of gastrointestinal symptoms. *Oncology Nursing Forum*: 46(1): E1-E21. [[link](#)]
4. \*Al-Sabei, S., Labrague, L., Miner, R., Karkada, S., **AlBashayreh, A.**, Masroori, F. Al-Hashmi, N. (2019). Nursing work environment, turnover intention, job burnout, and quality of care: the moderating role of job satisfaction. *Journal of Nursing Scholarship*: 52(1):95-104. [[link](#)]
5. \*Bar-Sela, G., **AlBashayreh, A.**, ... Silbermann, M. (2018). Training for awareness of one's own spirituality: A key factor in overcoming barriers to the provision of spiritual care to advanced cancer patients by doctors and nurses. *Palliative Supportive Care*: 17(3):345-352. [[link](#)]
6. \***AlBashayreh, A.**, Al-Rawajfah, O. M., Al-Awaisi, H., Karkada, S., & Al Sabei, S. (2018). Psychometric properties of an Arabic version of the Patient Satisfaction with Nursing Care Quality Questionnaire. *Journal of Nursing Research*: 27(1), 1-9. [[link](#)]
7. \*AbuAlRub, R., Gharaibeh, H., & **Bashayreh, A.** (2012). The relationships between safety climate, teamwork, and intent to stay at work among Jordanian hospital nurses. *Nursing Forum*, 47:65-75. [[link](#)]

*Published Abstracts*

1. \***AlBashayreh, A.**, Gilbertson-White, S. (2022). Identifying surrogate decision maker and code status discussions in advance care planning notes using natural language processing. *Journal of Pain and Symptom Management*: 63(6), 1112. [[link](#)]
2. \*Gilbertson-White, S., **AlBashayreh, A.**, Cherwin, C., Bandyopadhyay, A. (2022). Predictors of symptom reporting concordance between patient and provider in the context of cancer and multimorbidity. *Journal of Pain and Symptom Management*: 63(6), 1125-1126. [[link](#)]
3. \*Hagiwara, Y., Rostad, M., Arce, J., **AlBashayreh, A.**, Gilbertson-White, S. (2021). Characteristics and predictors of hospitalized neurosurgical patients referred for palliative care consultation at a tertiary academic medical center. *Journal of Pain and Symptom Management*: 61(3), 435-704. [[link](#)]
4. \***AlBashayreh, A.**, Gilbertson-White, S., Shamieh, O., Al-Omari, M. (2020). Seriously ill patient perspectives of and attitudes toward discussing goals of care and treatment preferences: a qualitative study in a Middle Eastern country. *Journal of Pain and Symptom Management*: 59(2), 575-576. [[link](#)]
5. \***AlBashayreh, A.** (2010). Opioidphobia and cancer pain management. *Journal of Pediatric Hematology Oncology*, 33, 60-61. [[link](#)]

*Submitted/under-review Manuscripts*

1. \***AlBashayreh, A.**, Gilbertson-White, S., Al Nashash, D., Shamieh, O., Al-Omari, M., Kinsler, P. A qualitative exploration of goals of care discussions with seriously ill patients in a Middle Eastern country.

2. \***AlBashayreh, A.**, Fan, W., Gilbertson-White, S. Using natural language processing to detect and explore goals-of-care and surrogate decision-maker discussions in the electronic health record.
3. \*Moon, C., Benson, C., **AlBashayreh, A.**, Perkhounkova, Y., Burgess, H. Sleep, circadian rhythm characteristics, and melatonin levels in later life adults with and without coronary artery disease.

#### *Manuscripts-in-progress*

1. \***AlBashayreh, A.**, Fan, W., Gilbertson-White, S. Machine learning and text mining to detect screening for spiritual and religious concerns and talking about death and dying in the electronic health record.
2. \***AlBashayreh, A.**, Bandyopadhyay, A., Zhang, M., Zeinali, N., Fan, W., Gilbertson-White, S. Machine learning and natural language processing to identify cancer symptoms in clinical notes.
3. **AlBashayreh, A.**, Gilbertson-White, S., Aggarwal, S. Exploring goals of care, the intensity of care, and goal-concordant care in serious illness: a systematic scoping review.

#### **Research and Clinical Presentations** [KEY: \* = data-based; bold = my authorship]

##### *International*

1. \***AlBashayreh, A.**, Gilbertson-White, S., Bandyopadhyay, A., Fan, W. (June 2022). The automated extraction of cancer symptoms from clinical notes using natural language processing [Poster presentation]. Annual Meeting - Multinational Association of Supportive Care in Cancer.
2. \*Bandyopadhyay, A., **AlBashayreh, A.**, Fan, W., Gilbertson-White, S. (June 2022). Symptom prediction using interpretable machine learning [Poster presentation]. Annual Meeting - Multinational Association of Supportive Care in Cancer.
3. \***AlBashayreh, A.** (March 2017). Transcultural adaptation and psychometric evaluation of an Arabic version of the Patient Satisfaction with Nursing Care Quality Questionnaire [Podium presentation]. 24th Global Nursing and Healthcare Conference, Amsterdam, Netherlands.

##### *National*

1. \***AlBashayreh, A.** & Gilbertson-White, S. (February 2022). Identifying surrogate decision-maker and code status discussions in advance care planning notes using natural language processing [Poster presentation]. The State of the Science of Hospice and Palliative Care [Virtual].
2. \*Gilbertson-White, S., **AlBashayreh, A.**, Cherwin, C., & Bandyopadhyay, A. (February 2022). Predictors of symptom reporting concordance between patient and provider in the context of cancer and multimorbidity [Poster presentation]. The State of the Science of Hospice and Palliative Care [Virtual].
3. **AlBashayreh, A.**, Aggarwal, S., Tark, A., & Gilbertson-White, S. (February 2021). A systematic scoping review of goals of care, intensity of end-of-life care, and goal-concordant care in adults with serious illness [Poster presentation]. Annual Assembly of Hospice and Palliative Care [Virtual].
4. \*Wilde, J., **AlBashayreh, A.**, & Hagiwara, Y. (February 2021). Benefits of an interdisciplinary palliative care rotation at a tertiary academic medical center [Poster presentation]. Annual Assembly of Hospice and Palliative Care [Virtual].

5. \*Arce, J., Rowland, I., **AlBashayreh, A.**, Gilbertson-White, S., & Hagiwara, Y. (February 2021). Characteristics and outcomes of hospitalized neurosurgical patients referred for palliative care consultation at a tertiary academic medical center [Poster presentation]. Annual Assembly of Hospice and Palliative Care [Virtual].
6. \***AlBashayreh, A.**, Gilbertson-White, Shamieh, O., & Al-omari, M. (March 2020). Seriously ill patient perspectives of and attitudes toward discussing goals-of-care and treatment preferences: a qualitative study in a Middle Eastern country [Poster presentation]. Annual Assembly of Hospice and Palliative Care (Conference canceled), San Diego, California.
7. \***AlBashayreh, A.** (December 2010). Opioidphobia and cancer pain management. Middle East Cancer Consortium workshop for palliative and end-of-life care [Paper presentation], Antalya-Turkey.

### *State/Regional*

1. \***AlBashayreh, A.**, Fan, W., & Gilbertson-White, S. (March 2023). Machine learning and text mining to detect screening for spiritual and religious concerns and talking about death and dying in electronic health record data [Competitive Symposium Session]. Midwest Nursing Research Society (MNRS) 47<sup>th</sup> Annual Research Conference, Des Moines, Iowa.
2. \***AlBashayreh, A.**, Fan, W., & Gilbertson-White, S. (March 2023). Goals-of-care and surrogate decision-maker discussions: generating real-world evidence using big data and text mining [Competitive Symposium Session]. Midwest Nursing Research Society (MNRS) 47<sup>th</sup> Annual Research Conference, Des Moines, Iowa.
3. \***AlBashayreh, A.** & Gilbertson-White, S. (March 2022). Establishing a natural language processing gold-standard corpus to identify documentation of palliative care elements in clinical notes [Poster presentation, Ph.D. Student Competition]. Midwest Nursing Research Society (MNRS) 46<sup>th</sup> Annual Research Conference, Schaumburg, Illinois.
4. **AlBashayreh, A.**, Aggarwal, S., Tark, A., & Gilbertson-White, S. (March 2021). Goal-concordant care in serious illness: a systematic scoping review and recommendations for palliative and end-of-life care [Poster presentation]. Midwest Nursing Research Society (MNRS) 45<sup>th</sup> Annual Research Conference [Virtual].
5. \*Weihs, C., **AlBashayreh, A.**, Vu, K., Jacobo, A., Zhang, M., & Moon, C. (March 2021). Relationships among caffeine, alcohol, and sleep in older adults with and without coronary artery disease [Poster presentation]. Midwest Nursing Research Society (MNRS) 45<sup>th</sup> Annual Research Conference [Virtual].
6. \***AlBashayreh, A.**, Gilbertson-White, Shamieh, O., & Al-omari, M. (April 2020). Discussing end-of-life goals of care and treatment preferences: qualitative interviews with seriously ill adult patients [Poster presentation, Awarded first place – PhD Student Poster Competition]. Midwest Nursing Research Society (MNRS) 44<sup>th</sup> Annual Research Conference [Virtual].
7. \*Willardson, B., **AlBashayreh, A.**, Hoth, K., & Moon, C. (April 2020). Comparison of cognition by having chronic pain and use of pain medication in older adults with ischemic heart disease [Poster presentation]. Midwest Nursing Research Society (MNRS) 44<sup>th</sup> Annual Research Conference [Virtual], Schaumburg, Illinois.
8. \***AlBashayreh, A.**, Gilbertson-White, S., & Hagiwara, Y. (March 2019). Factors associated with survival after initiation of palliative care in patients with advanced illness [Podium presentation]. Midwest Nursing Research Society (MNRS) 43<sup>rd</sup> Annual Research Conference, Kansas City-Missouri.

9. \*Moon, C., Burgess, H., **AlBashayreh, A.**, Magnotta, V., & Hoth, K. (March 2019). The feasibility of circadian rhythm and magnetic resonance imaging data collection in older adults with a cardiovascular disease: a review of preliminary findings from the Healthy Aging, Heart, and Sleep Study [Poster presentation]. Midwest Nursing Research Society (MNRS) 43<sup>rd</sup> Annual Research Conference, Kansas City-Missouri.

#### *Local*

1. **AlBashayreh, A.**, Aggarwal, S., Tark, A., & Gilbertson-White, S. (May 2021). A systematic scoping review of goals of care, intensity of end-of-life care, and goal-concordant care in adults with serious illness [Poster presentation]. The 6<sup>th</sup> Annual University of Iowa Nursing Recognition Day [Virtual].

## **SERVICE**

### **Journal Manuscript Review**

2022 - Present	Palliative Medicine
2016 - 2018	International Journal of Reliable and Quality E-Healthcare (IJRQEH)

### **Professional Organizations**

2020 - Present	American Medical Informatics Association (AMIA), Member
	2021 - 2023, Student Representative, Nursing Informatics Working Group
	2021, Member, Workshop Committee, Exploring Mechanisms to Examine Racial Biases Within a Learning Health System Framework, 2021 Annual Symposium, San Diego, USA
	2021, Member, Workshop Committee, The Future of Nursing: Charting a Path to Achieve Health Equity, A Nursing Informatics Perspective, 2021 Annual Symposium, San Diego, USA
2019 - 2022	American Academy of Hospice and Palliative Medicine (AAHPM), Member
2019 - 2020	Sigma Theta Tau International Honor Society of Nursing (STTI), Member
2018 - Present	Hospice and Palliative Nurses Association (HPNA), Member
2018 - Present	Midwest Nursing Research Society (MNRS), Member
	2020 - 2022, Chair, Student Leadership Committee, Palliative and End-of-Life Care RIIG
2006 - Present	Jordan Nurses and Midwives Council, Member

### **Grant Review**

2022	Sultan Qaboos University College of Nursing, Grant Reviewer
2020 - 2022	Graduate and Professional Student Government (GPSG), University of Iowa
2015 - 2016	Research and Ethics Committee and Grants Review Committee, Sultan Qaboos University College of Nursing

### **Collegiate**

	<b>University of Iowa, Iowa City, USA</b>
2021 - 2022	University of Iowa Strategy Team, Research and Discovery Development Team, Member
2020 - 2021	PhD Forum, College of Nursing, PhD Student Representative
2020 - 2021	Graduate and Professional Student Government (GPSG), Delegate
2020 - 2021	International Student Advisory Board (ISAB), Member

- 2020 - 2021 Association of Graduate Nursing Students (AGNS), Member
- Sultan Qaboos University, Muscat, Oman**
- 2017 - 2017 Scientific Committee, the Second International Conference, College of Nursing, Member
- 2015 - 2015 Taskforce to develop a policy for funding faculty mentored students' projects, College of Nursing, Co-Chair
- 2015 - 2015 Taskforce on quality accreditation, College of Nursing, Member
- 2015 - 2015 Taskforce on the Accreditation Commission for Education in Nursing (ACEN) Forum, College of Nursing, Member
- 2014 - 2017 Quality Improvement Committee - Accreditation Commission for Education in Nursing (ACEN), Standard VI (outcomes), College of Nursing, Member
- 2014 - 2015 Curriculum Committee, College of Nursing, Member
- Al Hussien Bin Talal University, Maan, Jordan**
- 2013 - 2014 Research Committee, College of Nursing, Member
- Buraydah Colleges, Qassim, Saudi Arabia**
- 2011 - 2013 Quality Assurance Committee, Department of Nursing, Chair  
Curriculum Committee, Department of Nursing, Chair
- King Abdulla University Hospital, Irbid, Jordan**
- 2008 - 2011 Internal Auditing Committee, Department of Nursing, Member
- 2007 - 2011 Palliative Care Journal Club, Department of Nursing, Member
- Community Service**
- 2020 Vital Talk - COVID Communication Playbook, Arabic Translator Volunteer
- 2016 School students' immunization campaign, Muscat, Oman, Medical Volunteer
- 2015 Organized and assisted as a nurse in medical welfare in Nizwa, Oman, Medical Volunteer
- 2009 First aid workshop for school students, Zarqa, Jordan, Medical Volunteer
- 2006 - 2010 Annual medical welfare, Irbid, Jordan, Medical Volunteer