

CURRICULUM VITAE

Shalome M. Tonelli, PhD, RN

Assistant Professor of Instruction (Instructional)
College of Nursing, 478 CNB
The University of Iowa
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EDUCATION

Education

Dates	Degree	Field of Study	Institution
May 2016	PhD	Aging and Occupational Health	University of Iowa Iowa City, Iowa
December 2007	Certificate	Agricultural Safety and Health	University of Iowa College of Public Health Iowa City, Iowa
December 2007	MSN	Nursing	University of Iowa Iowa City, Iowa
May 2004	BA	Psychology	University of Iowa Iowa City, Iowa
May 2004	BSN	Nursing	University of Iowa Iowa City, Iowa

PhD Dissertation:

Musculoskeletal Symptoms among Iowa Farmers and Farmworkers

Licensures

2004 - Present RN. Iowa. #110972

Honors/Awards

2024	Distinguished Educator in Gerontological Nursing (DEGN), National Hartford Center of Gerontological Nursing Excellence (NHCGNE)
2023	College of Nursing Internal Summer 2023 Teaching Development Grant
2019	Edmond J. Safra Visiting Nurse Faculty Program, Parkinson's Foundation
2018	Kirkwood Innovation of the Year, Kirkwood Community College
2017	Kirkwood Global Service Award, Kirkwood Community College
2015	Golden Pen, American Association of Occupational Health Nurses (AAOHN)
2013	Graduate College Summer Fellowship, University of Iowa
2012	Graduate Student Leadership, National Gerontological Nursing Association
2010 - 2012	Jonas-Hartford Scholar, Hartford Foundation
2008 - 2011	Graduate Assistance in Areas of National Need (GAAN) Fellow, University of Iowa College of Nursing
2005 - 2007	Heartland Center for Occupational Health and Safety Fellow, Heartland Center

2004 Inducted - Gamma Chapter, Sigma Theta Tau
 2000 - 2004 Presidential Scholarship, University of Iowa

Professional Experience

2024- Present Assistant Professor of Instruction, The University of Iowa College of Nursing, Iowa City, Iowa
 2022 - Present Csomay Center for Gerontological Excellence Leadership Team, The University of Iowa College of Nursing, Iowa City, Iowa
 2020 - Present Director, Certification Center, The University of Iowa College of Nursing Iowa City, Iowa
 2018 - 2024 Lecturer, The University of Iowa College of Nursing, Iowa City, Iowa
 2013 - 2018 Assistant Professor, Kirkwood Community College Cedar Rapids, Iowa United States
 Taught Advanced Concepts of Nursing, simulation, and clinical experiences in gerontology and medical-surgical rotations. Led student groups to Guatemala (2017) and Belize (2018).
 2011 - 2016 Dissertation Research, The University of Iowa College of Nursing Musculoskeletal Symptoms in Migrant Farmworkers Iowa City, Iowa United States
 2008 - 2012 Research Assistant, The University of Iowa College of Nursing Iowa City, Iowa United States

SCHOLARSHIP AND PROFESSIONAL PRODUCTIVITY

Publications

- Vignato, J., Doamekpor, M., da Costa Ferreira Oberfrank, N., Weltin, A., **Tonelli, S.**, Deberg, J., Bergen-Jackson, K., Colbert, J., Sinnwell, E., Swartzendruber, G., McCabe, J.D., Largo, A. Buck, H.G. (2025). [Manuscript submitted for publication]. Doula care across the lifespan: A concept analysis. College of Nursing, University of Iowa.
- Liebzeit, D., Krupp, A., Bunch, J., **Tonelli, S.**, Griffin, E., McVeigh, S., Chi, N. C., Jaboob, S., Nakad, L., Arbaje, A. I., & Buck, H. (2023). Rural age-friendly ecosystems for older adults: An international scoping review with recommendations to support age-friendly communities. *Health science reports*, 6(5), e1241. <https://doi.org/10.1002/hsr2.1241>
- Culp, K., & **Tonelli, S.** (2019). Heat Related Illness in Midwestern Hispanic farmworkers: A descriptive analysis of hydration status & reported symptoms. *Workplace Health & Safety*. doi: <https://doi.org/10.1177/2165079918813380>.
- Cooper, N. A., Rakel, B. A., Zimmerman, B., **Tonelli, S. M.**, Herr, K. A., Clark, C. R., . . . Sluka, K. A.. (2017). Predictors of multidimensional functional outcomes after total knee arthroplasty. *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*. 35(12), 2790-2798. PMID: 28471509. doi: 10.1002/jor.23596.
- Tonelli, S.**, Culp, K., & Donham, K. J.. (2015). Prevalence of Musculoskeletal Symptoms

and Predictors of Seeking Healthcare among Iowa Farmers. *Journal of agricultural safety and health*. 21(4), 229-39. PMID: 26710580.

Tonelli, S., Culp, K., & Donham, K.. (2014). Work-related musculoskeletal disorders in senior farmers: safety and health considerations. *Workplace health & safety*. 62(8), 333-41. PMID: 25191676. doi: 10.1177/216507991406200804.

Tonelli, S. M., Rakel, B. A., Cooper, N. A., Angstrom, W. L., & Sluka, K. A. (2011). Women with knee osteoarthritis have more pain and poorer function than men, but similar physical activity prior to total knee replacement. *Biology of sex differences*. 2, 12. PMID: 22074728, PMCID: PMC3228720. doi: 10.1186/2042-6410-2-12.

Culp, K., **Tonelli, S.**, Ramey, S. L., Donham, K., & Fuortes, L. (2011). Preventing heat-related illness among Hispanic farmworkers. *AAOHN journal : official journal of the American Association of Occupational Health Nurses*. 59(1), 23-32. PMID: 21229935. doi: 10.3928/08910162-20101228-01.

Tonelli, S. M., Donham, K. J., Leedom-Larson, K., Sanderson, W., & Purschwitz, M. (2009). Retrofitting tractors with rollover protective structures: perspective of equipment dealers. *Journal of agricultural safety and health*. 15(4), 365-75. PMID: 19967910.

Abstract

Cooper, N., Rakel, B., **Tonelli, S.**, Clark, C., Noiseux, N., & Sluka, K. (2011). *Daily activities are limited by knee osteoarthritis and correlated with perceived disability and quality of life*. (4 Supplement ed., vol. 12, p. 19): The Journal of pain. doi: 10.1016/j.jpain.2011.02.077.

Projects

Summer – Fall, 2025	Tonelli, S., Lear, H., Bergen-Jackson, K. (2025) Online Course Development for Licensed Practical Nurse (LPN) Assessment Skills. Leading Age Iowa.
April 3 rd , 2025	Tonelli, S. & Bergen-Jackson, K. Csomay Center Dementia Education for Lantern Park, Coralville, Iowa
January 28 th , 2025	Tonelli, S. & Bergen-Jackson, K. Dementia Care Simulations: Observation to Action. Jobcorp, Ottumwa, Iowa.
Summer – Fall, 2024	Bechtel, T., Tonelli, S., Shaw, C., Bunch, J., Bergen-Jackson, K., Curran, B., & Lind, R. (2024). Recognizing pain in persons living with dementia: A simulation on observation and communication. Geriatrics Workforce Enhancement Program.
Summer – Fall, 2024	Bechtel, T., Tonelli, S., Shaw, C., Bunch, J., Bergen-Jackson, K., Curran, B., & Lind, R. (2024). From observation to action: Using tools to report delirium signs to a nurse. Geriatrics Workforce Enhancement Program.
Summer – Fall, 2024	Bechtel, T., Tonelli, S., Shaw, C., Bunch, J., Bergen-Jackson, K., Curran, B., & Lind, R. (2024). Oral Care Matters: Understanding the Importance of Oral Health in Individuals Living with Dementia. Geriatrics

November, 2024

Workforce Enhancement Program.

Successful Transition of the State of Iowa Certified Nurse Aide Testing Platform. The previous (original) system needed significant technology upgrades to continue providing the CNA exam. This transition involved:

- Coordinating staff (finance, Certification Center, IT) at the University of Iowa College of Nursing through discussion of testing platform needs, budget, and processes.
- Coordination of the statewide testing sites at all 15 Community Colleges including finalizing testing on the old platform, ensuring clear communication to testing centers, and providing coordination and leadership to all involved in the testing process.
- Establishing the updated CNA Testing Blueprint.
- Convening Test Advisory Panel sessions and coordinating item selection for thousands of new test items.
- Setting up testing processes and logins for all locations, troubleshooting any challenges, ensuring a seamless transition to the new platform.

Grants and Contracts

Extramural Project Grants

Title: Grant/Project: 570289-FY26 GSL for Direct Care Workforce Initiative Prepare to Care Training- 2026
 Role: PI
 Funding Source: Iowa Department of Public Health
 Current Status: Funded
 Dates: 2025 - 2026
 Amount: \$10,000

Title: Grant/Project: 570289-FY25 GSL for Direct Care Workforce Initiative Prepare to Care Training- 2025
 Role: PI
 Funding Source: Iowa Department of Public Health
 Current Status: Funded
 Dates: 2024 - 2025
 Amount: \$10,000

Title: Grant/Project: 5883NW34 - FY24 GSL for Direct Care Workforce Initiative Prepare to Care Training - 2024
 Role: PI
 Funding Source: Iowa Department of Public Health
 Current Status: Funded
 Dates: 2023 - 2024
 Amount: \$10,000

Title: Grant/Project: 5883NW34 - FY23 GSL for Direct Care Workforce Initiative Prepare to Care Training - 2023

Role: PI
 Funding Source: Iowa Department of Public Health
 Current Status: Completed
 Dates: 2022 - 2023
 Amount: \$10,000

Title: Grant/Project: 5882NW34 - FY22 GSL for Prepare to Care Training - 2022
 Role: PI
 Funding Source: Iowa Department of Public Health
 Current Status: Completed
 Dates: 2021 - 2022
 Amount: \$10,000

Title: Grant/Project: 5881NW34 - FY21 GSL for Prepare to Care Training - 2021
 Role: PI
 Funding Source: Iowa Department of Public Health
 Current Status: Completed
 Dates: 2020 - 2021
 Amount: \$10,000

Intramural Project Grants – University of Iowa

Title: Oral Health Interventions for Persons Living with Dementia
 Role: Co- PI
 Funding Source: Jo Hoyt Freeman Dementia Education and Outreach Fund, University of Iowa College of Nursing
 Current Status: Submitting IRB
 Dates: 2025 - current
 Amount: \$10,000

Title: Engaging Nursing Students in Gerontology Utilizing Virtual Reality in the Classroom
 Role: PI
 Funding Source: Academic Technologies Advisory Council, University of Iowa
 Current Status: Completed
 Dates: 2018 - 2019
 Amount: \$14,472

Research and Clinical Presentations

International

Tonelli, S., Lee, J., Cooper, N., Sluka, K., Frantz, R., Herr, K., Clark, C., Rakel, B. (2010). *Validation of the knee injury and osteoarthritis outcomes score (KOOS) using accelerometry, pain, and function measures in preoperative total knee arthroplasty patients.* 13th World Congress on Pain, IASP, Montreal, Quebec Canada. Paper.

Rakel, B., Logsdon-Sackett, N., Yang, X., Cooper, N., Tonelli, S., Herr, K., Frantz, R., Clark, C., Sluka, K. (2010). *Movement-evoked pain is not explained by hyperalgesia but is correlated with functional ability in patients with osteoarthritis*. 13th World Congress on Pain, IASP, Montreal, Quebec. Poster.

National

Cooper, N. A., Rakel, B., Tonelli, S. M., Clark, C. R., Noiseux, N. O., Sluka, K. A. (2011). *Daily activities are limited by knee osteoarthritis and correlate with perceived disability and quality of life*. American Pain Society 30th Annual Scientific Meeting, APS, Austin, Texas United States. Poster.

Regional

Tonelli, S., Donham, K., Culp, K. (2012). *Musculoskeletal symptoms of farmers: Prevalence, costs, and related factors*. Midwest Nursing Research Society, MNRS, Dearborn, Michigan United States. Poster.

Tonelli, S., Grafft, L. (2007). *Farm tractor safety: Rollover protective structures retrofitting*. Iowa/Nebraska Equipment Dealers' Annual Meeting, Council Bluffs, Iowa United States. Oral.

State

Tonelli, S., Kendall, E., Woods, G., & Leggett, K. (2025). *Conversation with Local Experts*. A Day of Dialogue on Direct Care Workforce Issues. Iowa Caregivers. Ankeny, Iowa. Invited Panel Discussion.

Tonelli, S. (2025). Updates on State of Iowa Nurse Aide Testing and Evaluator Training. Nurse Aide Instructor Update 2025. Marshalltown, Iowa, United States. Oral Presentation.

Tonelli, S. (2025). Simulation Oral Health Education for Caregivers. Instructor Training. September . Oral Presentation.

Tonelli, S., Lund, Jomarie, Helmuth, B. (2025). *Certified Nurse Aide – Advocacy*. Community Colleges of Iowa Deans and Directors Annual Retreat. Peosta, Iowa. Oral Presentation.

Buck, L., Tonelli, S., & Mallin, B. (2024). *The Future of Rural Health is Happening Now at the University of Iowa's Barbara and Richard Csomay Center for Gerontological Excellence*. The Iowa Rural Health Association 2024 Conference. Des Moines, Iowa. Oral Presentation.

Tonelli, S. (2024). Updates on State of Iowa Nurse Aide Testing and Evaluator Training. Nurse Aide Instructor Update 2024. Marshalltown, Iowa, United States. Oral Presentation.

Tonelli, S. (2023). *Prevent Dehydration – Learn to Hydrate Like a Pro!* Iowa CareGivers Annual Conference October 9-10th, 2023. Ankeny, Iowa, United States. Oral Presentation.

- Tonelli, S. (2023). *Updates on State of Iowa Nurse Aide Testing and Evaluator Training*. Nurse Aide Instructor Update 2023. Marshalltown, Iowa, United States. Oral Presentation.
- Tonelli, S. & McNeil, R. (2022). Mouth Care Matters (MCM) Oral Health Education for Caregivers. Instructor Training. September 16, 2022. Oral Presentation.
- Tonelli, S., Winborn, A., Mobile, C. (2014). *Mobile outreach trailer from concept to reality: building programming and outreach services in an agricultural community*. 12th Annual Midwest Rural and Agricultural Safety and Health Conference, Ames, Iowa United States. Poster.
- Tonelli, S., Winborn, A., Clostermann, C. (2013). *Experiences of a start-up agricultural outreach and education service: Rural health and safety clinic of greater Johnson County*. 12th Annual Midwest Rural and Agricultural Safety and health Conference, Ames, Iowa United States. Oral Presentation.
- Tonelli, S. (2007). *Nursing assessments and practice in agriculture*. 9th Annual Occupational health Symposium, Iowa City, Iowa United States. Oral Presentation.

SERVICE

Professional Service

2025 – current	Direct Care Worker Iowa Technical Assistance Taskforce
2025 – current	Iowa Rural Healthcare Workforce Taskforce
2024 – current	Iowa Nursing Home Quality Coalition Steering Committee Member
2021- current	Iowa Alzheimer's Disease and Related Dementias Coalition Member
2021- current	Lifelong Smiles Coalition
2006 – 2018	American Association of Occupational Health Nurses
2006 - 2018	American Association of Occupational Health Nurses
2014 - 2017	Northeast Iowa Association (NIAOHN), Officer, Secretary
2015 - 2016	Workplace Health & Safety Sage Journal, Peer Reviewer

Collegiate Service

2025 - current	Student Affairs Subcommittee
2024 – current	Young Gero Nurse Clinician (YGNC), Faculty Co-Mentor
2023- 2025	CON – DEI Committee, Member
2018 - current	CON - BSN Admission/Progression Subcommittee, Member
2018 - 2021	CON- Technology Committee, Attendee

TEACHING

Course Instruction

Fall 2018- current	NURS: 3620 Gerontological Nursing. 72-84 students
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Fall 2018- current	NURS: 3625 Gerontological Nursing Practicum. 8-13 students Spring 2026 Includes a Study Abroad Travel to the Netherlands
Fall 2019- current	NURS: 3160 Professional Role 1 71-84 students
Fall 2018- Spring 2019	NURS: 4155 Senior Nursing Internship.

Curricular Innovations

Fall 2024 - ongoing	Netherlands Undergraduate Student Global Health Experience. This experience is in the planning stages for implementation in Fall 2025. Students in this experience will bring innovative ideas to healthcare settings in Iowa especially in the care of older adults, feel comfortable engaging in a variety of cultures which builds connection with patients in Iowa, work with populations in Iowa on health promotion from a broader perspective, improve teamwork, and understand healthcare from a worldwide perspective.
Spring 2024 - ongoing	University of Iowa College of Nursing and Oaknoll Dementia Experience; Through this partnership we are incorporating a simulation experience within our Gerontological Nursing Practicum. We have partnered with an area LifeCare Community where our students will be sent through a simulated home set up where they can be immersed in what life is like for those living with dementia. I have worked with the organization to coordinate including each of our cohorts of 80 nursing students each semester through this experience. Through inclusion of this simulation experience for our nursing students, they gain a better understanding of the anxiety, isolation, frustration, and confusion that a person with dementia may feel. This type of simulation experience builds from their already existing clinical experiences and allow for a standard experience for all nursing students. Simulation allows for all students to have this valuable clinical experience.
Spring 2023	University of Iowa College of Nursing; Collaborative Gerontological Book Discussion; Within the in-person undergraduate gerontological nursing course I incorporated a book discussion to deepen the students' understanding of course objectives related to end of life care. The format I developed utilizes a pre-class quiz and then a structured group discussion. This format was developed with input from our DEI staff to allow each student to share their input during the discussion. The book discussion worksheet allows for both individual feedback, but also ensuring that each group member has a chance to explore and share their view. This process enhanced the students understanding of the content while allowing each student to share their viewpoint. The focus is on enhancing learner development and socialization.
Fall 2020	University of Iowa College of Nursing; I developed a module for our gerontological nursing course that focused on Stereotypes of Aging, Ageism, and Bias. Our course activities include exploring various media depictions of older adults. Students brainstorm movies, books, or other media (currently some utilize TikTok) and analyze the accuracy of how aging is portrayed. The students look for factors such as aging body systems, bias, falls, frailty, culture, and Elderspeak. They create a

presentation or paper about their analysis and present that information to their class. After doing a descriptive analysis, the students also utilize class resources such as articles, textbook chapters, and PowerPoints to provide evidence to support or dispute the media portrayal in terms of accuracy of aging. The students utilize active learning strategies and engagement through their choice of media. By utilizing student choice and popular media, students are highly engaged in this activity. My strategy as an instructor is to guide them to sources to help fact-check their materials and to meet course objectives.

Students Mentored

Fall 2025	Edwards, Elizabeth- Undergraduate – BSN. Honors Contract for Professional Roles 1.
Spring 2025	Schaefer, Emily – Graduate – MSN. Nurse Educator Residency Practicum, Creighton University College of Nursing
Spring 2024	Flores, Katherine Joya- Undergraduate – BSN. Honors Contract for Gerontologic Nursing Course.
Fall 2020	Kendall, Laura – Graduate – MSN. Preceptorship in Nursing Education, Duke University School of Nursing.
Fall 2020	Coates, Katie- Undergraduate- BSN. Nutritional Status in Geriatric Trauma Patients. Presentation to Undergraduate Gero Nursing Students.
2019 - 2020	Ohrnstein, Kaitlyn - Undergraduate - Degree Objective: BSN. Identifying Potential Vectors of Infection in Nursing Homes in Order to Decrease Infections
2019 - 2020	Intlekofer, Mackenzie - Undergraduate - Degree Objective: BSN. Dementia and Delirium Differentiation and Basic Care-giving Strategies for Older Adults in Long-term Care Settings with Short Stay Units