

Center for Home Care Policy & Research at  VNS Health	Peer-Reviewed Publications January 2025 – May 2025
(Alphabetic order by first author)	Authors in bold are Research Center staff

(as of 5/21/2025)

Peer-Reviewed Publications by Research Center at VNS Health Staff

2025

Arbaje, A.I., Hsu, Y.J., Greyson, S., **Bowles, K.H., McDonald, M.V., Vergez, S.**, Harbison, K., Williams, N., Hohl, D., Carl, K., Gurses, A.P., Marsteller, J.A., Leff, B. (2025, E-published ahead of print). [The coming home intervention to enhance safe hospital-to-home health transitions: Pilot evaluation](#). Quality Management in Health Care. PMID: 40099951.

Burgdorf, J.G., Amjad H., **Barron, Y., Ryvicker, M.** (2025, E-published ahead of print). [Undocumented dementia diagnosis during skilled home health care: Prevalence and associated factors](#). Journal of the American Geriatrics Society. PMID: 40318054.

Burgdorf, J.G., Freedman, V. A., Wolff, J. L. (2025). [A look at caregivers for community-living persons with dementia: Implications for the guide model](#). Alzheimer's & Dementia. 21(3), e70013.

Burgdorf J.G., Russell, D., Fabius, C.D., Miller, K.E.M., Reckrey, J.M. (2025, In press). *Caregiving Network Precarity among Community-Living, Dually-Enrolled Persons with Dementia*. The Gerontologist.

Burgdorf, J.G., Smiley, A., **Barron, Y.**, Goodman, J., **McDonald, M.** (2025, In press). *Social work during skilled home health care: prevalence and determinants*. Innovation in Aging.

Burgdorf J.G., Wolff, J.L., **Barron, Y.**, Amjad, H. (2025, In press). *Dementia severity associated with unmet caregiving needs during skilled home health care*. Journal of Applied Gerontology.

Burgdorf, J.G., Wolff, J.L., **Barron, Y.**, Amjad, H. (2025, In press). *Family Caregiver Availability and Capacity Contribute to Home Health Service Types for Patients with Dementia*. Journal of the American Medical Directors' Association.

Chae, S., **Davoudi, A.**, Song, J., **Evans, L., Bowles, K.H., McDonald, M.V., Barrón, Y.**, Min, S. H., Oh, S., Scharp, D., Xu, Z., **Topaz, M.** (2025). [Developing a clinical decision support framework for integrating predictive models into routine nursing practices in home health care for patients with heart failure](#). Journal of Nursing Scholarship. 57(1), 165-177.

Chastain, A.M., Shang, J., Murali, K. P., **King, L.**, Ogunlusi, C., Zhao, S., Kang, J.A., Zhao, Y., Dualeh, K., **McDonald, M.V.** (2025). [Development of and Testing Novel Questionnaires Assessing Palliative Care-Related Knowledge, Attitudes, and Confidence Among Home Healthcare Clinicians, Patients and Caregivers](#). Home Healthcare Now. 43(1), 21-31.

Cordoza, M.L., Anderson, B.J., Cevalasco, M., Diamond, J. M., Younes, M., Gerardy, B., Iroegbu, C., **Riegel, B.** (2025; E-published ahead of print). [Feasibility and acceptability of using wireless](#)

[limited polysomnography to capture sleep before, during, and after hospitalization for patients with planned cardiothoracic surgery.](#) Journal of Cardiovascular Nursing. 40(3), E110-e116.

Fisher, L., Massimo, L., **Riegel, B.**, Walser, T.J., Hirschman, K. B. (2025, E-published ahead of print). [Evaluating the implementation fidelity of a motivational health coaching intervention to improve self-care for caregivers of persons living with dementia.](#) Journal of Applied Gerontology. PMID: 40009352

Jaarsma, T., **Riegel, B.**, Strömberg, A. (2025). [Self-care: A well-known but yet elusive concept. A discussion of theories, concepts, interventions, and measurement.](#) European Journal of Cardiovascular Nursing. 24(1), 160-164.

Koons, B., Lehman, R., **Riegel, B.**, Buck, H. (2025, In press) [Facilitators and Barriers to Patient-Caregiver Dyadic Recruitment in Transplantation.](#) Nursing Research.

Lee, C.S., **Riegel, B.** (2025; E-published ahead of print). [Psychometric testing of the updated self-care of heart failure index version 8.0 using item response theory.](#) The Journal of Cardiovascular Nursing.

Luciani, M., De Maria, M., Barbaranelli, C., Fazio, P. C., **Riegel, B.**, Ausili, D. (2025). [Measuring self-care in the general adult population: Cross-validation of the self-care inventory.](#) Applied Nursing Research. 82, 151920.

Luth, E.A., **Brickner, C.**, **Bowles, K.H.** (2025, In press). *Clinician-identified health characteristics and palliative care eligibility: Is dementia overlooked?* American Journal of Managed Care.

Luth, E.A., **Brickner, C.**, Rakotoarivelo, H., Gao, O., **Bowles, K.H.** (2025, In press). *Adding functional ability measures to a mortality algorithm to support palliative care eligibility decisions.* Research on Gerontological Nursing

Matus, A.M., Matura, L.A., Cronholm, P.F., Rickels, M.R., **Riegel, B.** (2025, E-published ahead of print). [Understanding self-care patterns in adults with type 1 diabetes: Insights from a mixed methods study.](#) Journal of Advanced Nursing. PMID: 40040613

Matus, A., **Riegel, B.**, Rickels, M. (2025) [Interoceptive Awareness Is Associated with Impaired Awareness of Hypoglycemia in Adults with Type 1 Diabetes.](#) Diabetes Care. 48(1), 101-105.

Min, S., Song, J., **Evans, L.**, **Bowles, K.**, **McDonald, M.V.**, Chae, S., **Sridharan, S.**, **Barrón, Y.**, **Topaz, M.** (2025, E-published ahead of print). [Non-linear relationship between vital signs and hospitalization/emergency department visits among older home healthcare patients and critical vital sign cut-off for adverse outcomes: Application of generalized additive model.](#) Clinical Nursing Research. PMID: 40357664

Murali, K.P., Gogineni, S., Bullock, K., **McDonald, M.**, Sadarangani, T., Schulman-Green, D., Brody, A.A. (2025, E-published ahead of print). [Interventions and predictors of transition to](#)

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[*hospice for people living with dementia: An integrative review.*](#) The Gerontologist. PMID: 40086939.

Reckrey, J.M., **Russell, D., Burgdorf, J.G.**, Aldridge, M. (2025, E-published ahead of print). [*Consumer-directed personal care in the New York metropolitan area: Trends in use from 2017 to 2022.*](#) Journal of the American Medical Directors Association. 26(5), 105535.

Riegel, B., De Maria, M., Barbaranelli, C., Luciani, M., Ausili, D., Dickson, V.V., Jaarsma, T., Matarese, M., Stromberg, A., Vellone, E. (2025). [*Measuring self-care: A description of the family of disease-specific and generic instruments based on the theory of self-care of chronic illness.*](#) Journal of Cardiovascular Nursing. 40(2), 103-113.

Scroggins, J.K., **Topaz, M.**, Song, J., Zolnoori, M. (2025). [*Does synthetic data augmentation improve the performances of machine learning classifiers for identifying health problems in patient-nurse verbal communications in home healthcare settings?*](#) Journal of Nursing Scholarship. 57(1), 47-58.

Shang, J., Perera, U.G.E., Liu, J., Chastain, A. M., **Russell, D.**, Wang, J., Caprio, T. V., **Barrón, Y.**, Szanton, S., Zhao, S., **McDonald, M.V.** (2025). [*Disparities in infection risk among home health care patients: A study using area deprivation index.*](#) Journal of the American Medical Directors Association. 26(4), 105455.

Smith, J.M., **Burgdorf, J.G.**, Riser, T. J., **Ryvicker, M.** (2025). [*Skilled home healthcare utilization and outcomes for older adults with dementia: A scoping review.*](#) Journal of the American Geriatrics Society. 73(2), 612-625.

Song, J., Ramlogan, L., **Vergez, S., Davoudi, A., Sridharan, S.**, Cho, H., Stanley, J., **McDonald, M.V., Bowles, K.H.**, Shang, J., Stone, P. W., **Topaz, M.** (2025). [*The paradox of choice in palliative care decision-making in managed long-term care: A qualitative study.*](#) Home Health Care Management & Practice. 37(1), 45-53.

Topaz, M., Davoudi, A., Evans, L., Sridharan, S., Song, J., Chae, S., **Barrón, Y.**, Hobensack, M., Scharp, D., Cato, K., Rossetti, S. C., Kapela, P., Xu, Z., Gupta, P., Zhang, Z., **McDonald, M.V., Bowles, K.H.** (2025). [*Building a time-series model to predict hospitalization risks in home health care: Insights into development, accuracy, and fairness.*](#) Journal of the American Medical Directors Association. 26(2), 105417.

Vergez, S.M., Barrón, Y., McDonald, M.V. (2025, E-published ahead of print). [*Disparities in timely receipt of home healthcare: Neighborhood disadvantage and delayed start-of-care visits in New York City.*](#) Journal of the American Geriatrics Society. PMID: 40035464.

Xu, Z., Scharp, D., Hobensack, M., Ye, J., Zou, J., Ding, S., Shang, J., **Topaz, M.** (2025). [*Machine learning-based infection diagnostic and prognostic models in post-acute care settings: A systematic review.*](#) Journal of the American Medical Informatics Association. 32(1), 241-252.

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You, S.B., **Bowles, K.H.** (2025, In press). *Risk of sepsis in gastroenterology patients and the role of nurses to prevent, identify, manage, and educate about sepsis*. Journal of the Society of Gastroenterology Nurses and Associates

You, S.B., Hirschman, K.B., Stawnychy, M.A., Song, J., Sang, E., Pitcher, K., Oh, S., O'Connor, M., Garren, P., Bowles, K.H. (2025, E-published ahead of print). [Qualitative study of the context of health information technology in sepsis care transitions: Facilitators, barriers, and strategies for improvement](#). Journal of the American Medical Directors Association. 26(7), PMID: 40286812

Zolnoori, M., Zolnour, A., **Vergez, S., Sridharan, S., Spens, I., Topaz, M.**, Noble, J.M., Bakken, S., Hirschberg, J., **Bowles, K., Onorato, N., McDonald, M.V.** (2025). [Beyond electronic health record data: Leveraging natural language processing and machine learning to uncover cognitive insights from patient-nurse verbal communications](#). Journal of the American Medical Informatics Association. 32(2), 328-340.

Submitted Peer-Reviewed Manuscripts Currently Under Review

Bowles, K.H., Stawnychy, M., O'Connor, M., Hodgson, N., Mikkelsen, M., Sang, E., You, S.B., Pitcher, K., Song, J., Garren, P., Newman, B., Weiss, C., **Ryvicker, M., Barron, Y.**, Deb, P., Hirschman, K.H. (2025). *Context and determinants for implementing a sepsis survivor care transition intervention reported from five health systems and home health agencies*. Under review.

Kim, P.S., **McDonald, M.V.**, Boaf, J., Moreines, L.T., Schulman-Green, D., David, D., Brody, A., Aldridge, M., Franzosa, E. *Home care workers' role in supporting hospice care: An integrated multiple methods analysis*. Under review.

Sang, E., Hirschman, K.H., Stawnychy, M., You, S.B., Pitcher, K.S., O'Connor, M., Oh, S., Song, J., Garren, P., Newman, B.H., **Bowles, K.H.** *Patient-level Barriers, Related Facilitators, and Proposed Strategies for Timely Home Health Care Nursing Visits and Outpatient Appointments: Perspectives from Healthcare System and Home Health Care Informants*. Under review.

Song, J., Beigi, H., **Davoudi, A.**, Moon, R., **McDonald, M.V.**, Sridharan, S., Stanley, J., **Bowles, K.**, Shang, J., Stone, P., **Topaz, M.** (2024) *Leveraging Patient and Their Surrogate Caregiver Communication with Clinicians to Predict Palliative Care Decisions: A Speech Processing Study*. Under Review.

Sun, C., Hirschman, K.H., Matus, A., Stawnychy, M., Goba, M., Thomas, G., Ashare, R., **Bowles, K.H., Reigel, B.** *Cost Effectiveness of Virtual Health Coaching for Caregivers of Heart Failure Patients: Results from a Randomized Controlled Trial*. Under Review.