

Center for Home Care Policy & Research at  (Alphabetic order by first author)	Peer-Reviewed Publications January 2023 – January 2024 Authors in bold are Research Center staff
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(as of 2/28/2024)

2024

Peer-Reviewed Publications by Research Center at VNS Health Staff

Phontankuel, V., Czaja, S., Park, T., **Dignam, R.**, Adelman, R., **Shah, S.**, **Vasquez, F.**, Reid, M.C. (2024). [Assessing the feasibility, acceptability, and preliminary efficacy of a novel symptom management care delivery intervention for caregivers receiving home hospice care: The I-HoME protocol.](#) Contemporary Clinical Trials. 136(2024); 107389.

2023

Peer-Reviewed Publications by Research Center at VNS Health Staff

Arbaje, A., Hsu, Y., Keita, M., Greyson, S., Wang, J., Werner, N., Carl, K., Hohl, D., Jones, K., **Bowles, K.**, Chan, K., Marsteller, J., Gurses, Ayse P. Leff, B. (2023: e-published ahead of print). [Development and Validation of the Hospital-to-Home-Health Transition Quality \(H3TQ\) Index: A Novel Measure to Engage Patients and Home Health Providers in Evaluating Hospital-to-Home Care Transition Quality.](#) Quality Management in Healthcare.

Bensson-Ravunniarath, M., Bryan Ringel, J., Avgar, A., Wiggins, F., Lee, A., **McDonald M.V.**, Guerrero, L.R., Kalla, J., Gusoff, G., Shen, M., Tseng, E., Dell, N., Czaja, S., Lindquist, L.A., Sterling, M.R. (2023). [Having a say matters: The association between home health aides' voice and job satisfaction.](#) Risk Management and Healthcare Policy. 2023(16): 1791–1800.

Burgdorf, J.G., Amjad, H. (2023). [Impact of diagnosed \(versus undiagnosed\) dementia on family caregiving experiences.](#) Journal of the American Geriatrics Society. 71(4):1236–1242.

Burgdorf, J.G., Fabius, C., Wolff, J.L. (2023). [Use of the provider-sponsored patient portal among older adults and their family caregivers.](#) Journal of the American Geriatrics Society. 71(4):1177-1187.

Burgdorf, J.G., Fabius, C.D., Wu, M.J., Gleason, K.T., Wolff, J.L. (2023: in press). [Patient portal use during home health care at an academic health system.](#) Journal of the American Medical Directors' Association.

Burgdorf, J.G., Mroz, T.M., Reckrey, J.M., **Barron-Vaya, Y.**, **Ryvicker, M.** (2023). [Prevalence and predictors of incident dementia diagnosis following Medicare home health episode.](#) Alzheimer's and Dementia. 19(9):3936-3945.

Burgdorf J., Reckrey J., **Russell D.** (2023). ['Care for Me, Too': A novel framework for improved communication and support between dementia caregivers and the home health care team.](#) The Gerontologist. 63(5):874-886.

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Burgdorf, J.G., Ritchie, C.S., Reckrey, J.M., Liu, B., McDonough, C., Ornstein, K.A. (2023: in press). *Drivers of community-entry home health utilization among older adults*. Journal of the American Medical Directors' Association.

Clason, C., Sterner-Stein, K., Hirschman, K.B., Barg, F.K., **Riegel, B.** (2023). [Developing effective health coaches: experience gained in a clinical trial of a health coach intervention](#). Patient Education and Counseling. 108:107592.

Byon, H.D., Harris, C., Crandall, M., Song, J., **Topaz, M.** (2023). [Identifying Type II workplace violence from clinical notes using natural language processing](#). Workplace Health & Safety. 71(10), 484–490.

Chae, S., **Davoudi, A.**, Song, J., **Evans, L.**, Hobensack, M., **Bowles, K.H.**, **McDonald, M.V.**, **Barrón, Y.**, Rossetti, S.C., Cato, K., **Sridharan, S.**, **Topaz, M.** (2023). [Predicting emergency department visits and hospitalizations for patients with heart failure in home healthcare using a time series risk model](#). Journal of the American Medical Informatics Association. 30(10):1622-1633.

Drazich, B.F., Lee, J.W., **Bowles, K.H.**, Taylor, J.L., **Shah, S.**, Resnick, B., Kim, N., Szanton, S.L. (2023). [Pandemic related changes in technology use among a sample of previously hospitalized older adult New Yorkers: An observational study](#). JMIR Aging. 6(2023): e41692–e41692.

Fabius, C.D., Okoye, S.M., Wu, M.J., Jopson, A.D., Chyr, L.C., **Burgdorf, J.G.**, Ballreich, J., Scerpella, D., Wolff, J.L. (2023). [The role of place in person- and family-oriented long-term services and supports](#). The Milbank Quarterly. 101:1076-1138

Federman, A.D., Brody, A., Ritchie, C.S., Egorova, N., Arora, A., Lubetsky, S., Goswami, R., Peralta, M., Reckrey, J.M., Boockvar, K., **Shah, S.**, Ornstein, K.A., Leff, B., DeCherrie, L., Siu, A.L. (2023). [Outcomes of home-based primary care for homebound older adults: a randomized clinical trial](#). Journal of the American Geriatrics Society. 71(2):443-454.

Fong, M.C., **Russell, D.**, Gao, O., Franzosa, E. (2023). [Contextual Forces Shaping Home-Based Health Care Services Between 2010 and 2020: Insights From the Social-Ecological Model and Organizational Theory](#). Gerontologist. 63(7):1117-1128.

Feldman, P.H., **Barrón, Y.**, **Onorato, N.**, **Russell, D.**, Sterling, M.R., **McDonald, M.** (2023). [Covid-19: home health aides' perceived preparedness and self-reported availability for work: Six month survey results](#). New Solutions: A Journal of Environmental and Occupational Health Policy. 33(2-3):130-148.

Friesen, P., Wusinich, C., Lynch, K., **Russell, D.** (2023: e-published ahead of print). ["A Light at the End of the Tunnel": Experiences with peer specialists in the Open Dialogue Model](#). Psychiatric Services. 20230126.

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Hobensack, M., Song, J., Oh, S., **Evans, L.**, **Davoudi, A.**, **Bowles, K.**, **MacDonald, M.**, **Sridharan, S.**, Wallace, A.S., **Topaz, M.** (2023: e-published ahead of print). [Social risk factors are associated with higher risk for hospitalization in home healthcare: A natural language processing study](#). Journal of the American Medical Directors Association. S1525-8610(23)00621-7.

Hobensack, M., Song, J., Scharp, D., **Bowles, K.H.**, **Topaz, M.** (2023). [Machine learning applied to electronic health record data in home healthcare: A scoping review](#). International Journal of Medical Informatics. 170:104978.

Iovino, P., Vellone, E., Cedrone, N., **Riegel, B.** (2023). [A middle-range theory of social isolation in chronic illness](#). International Journal of Environmental Research and Public Health. 20(6): 4940.

Kennedy, E.E., **Davoudi, A.**, Hwang, S., Freda, P. J., Urbanowicz, R., **Bowles, K.H.**, Mowery, D. L. (2023). [Identifying barriers to post-acute care referral and characterizing negative patient preferences among hospitalized older adults using natural language processing](#). AMIA Annual Symposium proceedings. AMIA Symposium, 2022, 606–615.

Keirns, N.G., Ouaddi, S., Dunsiger, S., Locatelli, G., Gathright, E.C., Black, E., Tripolone, J., Breault, C., **Riegel, B.**, Cohen, R., Salmoirago-Blotcher, E. (2023). [Mind Your Heart-II: Protocol for a behavioral randomized controlled trial of mindfulness training to promote self-care in patients with co-morbid heart failure and cognitive impairment](#). Contemporary Clinical Trials. 126: 107094.

Landau, A., Venkatram, C., Song, J., **Topaz, M.**, Klitzman, R., Shang, J., Stone, P., **McDonald, M.**, Cohen, B. (2023: in press). [Home care clinicians' perspectives on advance care planning for patients at risk for becoming incapacitated with No Evident Advance Directives or Surrogates \(INEADS\)](#). The Journal of Hospice and Palliative Nursing.

Lee, S., Matura, L.A., Jurgens, C., Dickson, V.V., Nolan, A.E., Guerin, J., Koons, B., **Riegel, B.** (2023: in press). [The Symptom Perception Processes of Monitoring, Awareness, and Evaluation in Patients with Heart Failure: A Qualitative Descriptive Study](#). European Journal of Cardiovascular Nursing.

Massimo, L., Hirschman, K.B., Aryal, S., Quinn, R., Fisher, L., Sharkey, M., Thomas, G., **Bowles, K.H.**, **Riegel, B.** (2023). [iCare4Me for FTD: A pilot randomized study to improve self-care in caregivers of persons with frontotemporal degeneration](#). Alzheimer's & Dementia: Translational Research & Clinical Interventions. eCollection 2023 Apr-Jun.

Matus, A.M., Flatt, A., Peleckis, A., Dalton-Bakes, C., **Riegel, B.**, Rickels, M. (2023). [Validating and establishing a diagnostic threshold for the hypoglycemia awareness questionnaire impaired awareness subscale](#). Endocrine Practice. 29(2023):762-769.

McDarby, M., **Russell, D.**, **King, L.**, Kozlov, E., Luth, E.A. (2023). [Challenges and strategies among family care partners of community-dwelling persons with dementia nearing end of life](#). Journal of the American Geriatrics Society. 71(6):1785-1794.

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McDarby, M., **Russell, D.**, King, L., Kozlov, E., Luth, E. (2023: e-published ahead of print). [Knowledge gaps in end-of-life family caregiving for persons living with dementia: A study of hospice clinician perspectives](#). American Journal of Hospice and Palliative Medicine.

Min, S.H., Song, J., **Evans, L.**, Bowles, K.H., McDonald, M.V., Chae, S., Topaz, M. (2023). [Home healthcare patients with distinct psychological, cognitive, and behavioral symptom profiles and at-risk subgroup for hospitalization and emergency department visits using latent class analysis](#). Clinical Nursing Research, 32(7), 1021-1030.

Newhouse, R.P., **Bowles, K.H.**, George, M., Willgerodt, M.A., Fairman, J.A., Kelley, H.J. (2023). [RWJ Future of Nursing Scholars experience and recommendations: Focus group results at final convening](#). Nursing Outlook. 71(3):10194

Riegel, B., Barbaranelli, C., Quinn, R., Matus, A., Stawnychy, M.A., Hirschman, K. (2023: e-published ahead of print). [Psychometric analysis of the health self-care neglect scale](#). Journal of Cardiovascular Nursing.

Russell, D., Burgdorf, J., Washington, K.T., Schmitz, J., **Bowles, K.H.** (2023). ["Second Set of Eyes:" Family caregivers and post-acute home health care during the COVID-19 pandemic](#). Patient Education and Counseling. 109:107627.

Russell, D., Onorato, N., Stern, A., Vergez, S., Oberlink, M., Luebke, M., Feldman, P.H., McDonald, M.V., Sterling, M.R. (2023). [A qualitative study of home health aides' perspectives towards COVID-19 vaccination](#). Journal of Applied Gerontology. 42(4):660-669.

Scharp, D., Harkins, S.E., **Topaz, M.** (2023). [Comorbidities of community-dwelling older adults with urinary incontinence: A scoping review](#). Geriatric Nursing. 53:280-294.

Scharp, D., Hobensack, M., **Davoudi, A.**, **Topaz, M.** [Natural language processing applied to clinical documentation in post-acute care settings: A scoping review](#). (2023: e-published ahead of print). Journal of the American Medical Directors Association. S1525-8610(23)00791-0.

Song, J., Chae, S., **Bowles, K. H.**, McDonald, M.V., Barron, Y., Cato, K., Rossetti, S., Hobensack, M., **Sridharan, S.**, Evans, L., Davoudi, A., & **Topaz, M.** (2023). [The identification of clusters of risk factors and their association with hospitalizations or emergency department visits in home health care](#). Journal of Advanced Nursing. 79(2):593-604.

Song, J., Min, S.H., Chae, S., **Bowles, K. H.**, McDonald, M.V., Hobensack, M., **Barron, Y.**, **Sridharan, S.**, **Davoudi, A.**, Oh, S., **Evans, L.**, & **Topaz, M.** (2023) [Uncovering hidden trends: identifying time trajectories in risk factors documented in clinical notes and predicting hospitalizations and emergency department visits during home health care](#). Journal of the American Medical Informatics Association. 30(11):1801-1810.

Song, J., Zolnoori, M., Scharp, D., **Vergez, S.**, McDonald, M.V., **Sridharan, S.**, Kostic, Z., & **Topaz, M.** (2023) [Is auto-generated transcript of patient-nurse communication ready to use for identifying the risk for hospitalization or emergency department visits in home health care? A](#)

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[natural language processing pilot study](#). American Medical Informatics Association 2022 Annual Symposium Conference proceedings. 2022:992-1001.

Sterling, M.R., Ringel, J.B., Riegel, B., Goyal, P., Arbaje, A.I., **Bowles, K.H., McDonald, M.V.**, Kern, L.M. (2023). [Home health care workers' interactions with medical providers, home care agencies, and family members for patients with heart failure](#). Journal of the American Board of Family Medicine. 36(2):369-375.

Squires A., Engel, P., Ma, C., Miner, S.M., **Feldman, P.H., McDonald, M.V.**, Jones, S. (2023). [Continuity of care versus language concordance as an intervention to reduce hospital readmissions from home health care](#). Medical Care. 61(9): 605-610.

Squires, A., Gerchow, L., Ma, C., Liang, E., **Trachtenberg, M.**, Miner, S. (2023). [A multi-language qualitative study of limited English proficiency patient experiences in the United States](#). PEC Innovation. 2, 100177.

Tietbohl, C.K., Dafoe, A., Jordan, S.R., Huebschmann, A.G., Lum, H.D., **Bowles, K.H.**, Jones, C.D. (2023: e-published ahead of print). [Palliative care across settings: Perspectives from inpatient, primary care, and home health care clinicians and staff](#). American Journal of Hospice and Palliative Medicine.

Topaz, M., Song, J., **Davoudi, A.**, **McDonald, M.**, Taylor, J., Sittig, S., **Bowles, K.** (2023). [Home healthcare clinicians use judgement language more frequently for black and Hispanic patients: A natural language processing study](#). JMIR Nursing. 6:e42552.

Wolff, J.L., DesRoches, C.M., Amjad, H., **Burgdorf, J.G.**, Caffrey, M., Fabius, C.D., Gleason, KT, Green, A.R., Lin, C.T., Nothelle, S.K., Peereboom, D., Powell, D.S., Riffin, C.A., Lum, H.D. (2023). [Catalyzing dementia care through the learning health system and consumer health information technology](#). Alzheimer's & Dementia. 19(5)2197-2207.

Zolnoori, M., **Sridharan, S.**, Zolnour, A., **Vergez, S.**, **McDonald, M.V.**, Kostic, Z., **Bowles, K.H.**, **Topaz, M.** (2023). [Utilizing patient-nurse verbal communication in building risk identification models: The missing critical data stream in home healthcare](#). Journal of the American Medical Informatics Association. 31(2):435-444.

Zolnour, A., Eldredge, C. E., Faiola, A., Yaghoobzadeh, Y., Khani, M., Foy, D., **Topaz, M.**, Kharrazi, H., Fung, K. W., Fontelo, P., **Davoudi, A.**, Tabaie, A., Breitinger, S.A., Oesterle, T.S., Rouhizadeh, M., Zonnor, Z., Moen, H., Patrick, T. B., & Zolnoori, M. (2023). [A risk identification model for detection of patients at risk of antidepressant discontinuation](#). Frontiers in Artificial Intelligence. 6, 1229609.

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Submitted Peer-Reviewed Manuscripts Currently Under Review

Arbaje, A.I., Hsu, Y.J., Greyson, S., Gurses, A.P., Marsteller, J., **Bowles, K.H., McDonald, M.V., Vergez, S.**, Harbison, K., Hohl, D., Carl, K., Leff, B. *Hospital-to-home transition quality (H3TQ) index: Further evidence on its validity and recommendations for implementation*. Under review.

Arbaje, A.I., Hsu, Y.J., Zhu, Z., Greyson, S., Gurses, A.P., Keller, S., Marsteller, J., **Bowles, K.H., McDonald, M.V., Vergez, S.**, Harbison, K., Hohl, D., Carl, K., Leff, B. *Characterizing changes to older adults' care transitions patterns from hospital to home healthcare in the era of COVID-19*. Under review.

Burgdorf, J.G., Ornstein, K.A., Liu, B., Leff, B., Brody, A.A., McDonough, C., Ritchie, C.S., *Variation in home health care use by dementia status among a national cohort of older adults*. Under review.

Davoudi, A., Chae, S., **Evans, L.**, Sridharan, S., Song, J., **Bowles, K.H., McDonald, M.V., Topaz, M.** *Fairness gaps in machine learning models for hospitalization and emergency department visit risk prediction in home healthcare patients with heart failure*. Under review

Espinosa C.G., **Vergez, S., McDonald, M.V.**, Safford M.M., Cho, J., Tobin, J.N., Mourad, O., Marcus, R., Bryan, J., Banerjee, S., Dell, N., **Feldman, P.**, Sterling, M.R. *Leveraging home health aides to improve outcomes in heart failure: A pilot study protocol*. Contemporary Clinical Trials. Under review.

Min, S.H., Song, J., **Evans, L., Bowles, K., McDonald, M.**, Chae, S., **Sridharan, S., Barrón, Y., Topaz, M.** *Non-linear relationship between vital signs and hospitalization/ED visits among older home healthcare patients and critical vital sign cut-off for adverse outcomes: application of generalized additive model*. GeroScience. Under review.

Russell, D., Luth, E., Baik, D., **Jordan, L.**, Masterson-Creber, R. *Getting on board: Cultural health capital and socioeconomic resources in hospice care*. Journal of Health and Social Behavior. Under review.

Ryvicker, M., Barrón, Y., Song, J., **Zolnoori, M., Shah, S., Burgdorf, J., Noble, J.M., Topaz, M.** *Using Natural Language Processing to Identify Home Health Care Patients at Risk for Diagnosis of Alzheimer's Disease and Related Dementias*. Journal of Applied Gerontology. Under review.

Shang, J., Perera, U.G., Liu, J., Chastain, A., **Russell, D.**, Wang, J., Caprio, T., **Barron, Y., Szanton, S., McDonald, M.** *Examining infection risk disparities among home health care patients using the area deprivation index (ADI)*. Under review.

Song, J., Romlogan, L., **Verez, S., Davoudi, A., Sridharan, S.**, Cho, H., Stanley, J., **McDonald, M.V., Bowles, K.**, Stone, P., Shang, J., **Topaz, M.** *The paradox of choice in palliative care decision-making in managed long-term Care: a qualitative study*. Palliative Medicine. Under review.

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Interviews & Profiles of the Research Center Staff & Projects

VNS Health Today. (Winter 2023). *Researchers Advocate for “Sepsis Aftercare” ICD Code.* Available online: <https://www.vnshealth.org/about/newsroom/articles/researchers-advocate-for-sepsis-aftercare-icd-code/>

VNS Health Today. (Summer 2023). *VNS Health Research Center Develops Innovative Tool to Support Family Caregivers of Dementia Patients.* Available online: <https://www.vnshealth.org/about/newsroom/articles/vns-health-research-center-develops-innovative-tool-to-support-family-caregivers-of-dementia-patients/>

NYU News Release. August, 2023. *When Facing Language Barriers, Having the Same Home Health Nurse Improves Outcomes.* Available online: <https://www.nyu.edu/about/news-publications/news/2023/august/language-barriers-home-health.html>

VNS Health Thought Leadership. September, 2023. *Dementia Caregiving: The Challenge of Our Era.* Available online: <https://www.vnshealth.org/about/newsroom/articles/dementia-caregiving-the-challenge-of-our-era/>

VNS Health Newsroom. October, 2023. *Kathy Bowles Receives FNINR’s Welch/Woerner Path-Paver Award.* Available online: <https://www.vnshealth.org/about/newsroom/articles/kathy-bowles-receives-fnins-welch-woerner-path-paver-award/>

AHRQ in the Professional Literature (2023). *Home healthcare patients with distinct psychological, cognitive, and behavioral symptom profiles and at-risk subgroup for hospitalization and emergency department visits using latent class analysis.* Published in: Clinical Nursing Research. Authors: Min, S.H., Song, J., **Evans, L.**, **Bowles, K.H.**, McDonald, M.V., Chae, S., **Topaz, M.** AHRQ News Now, September 26, 2023, Issue #882.

Hospital Case Management (2023). [*Sepsis Patients Need Transition Support to Prevent Rehospitalization.*](#)

NatureMedicine (2023). [*Six ways large language models are changing healthcare.*](#)

VNS Health TODAY (Fall 2023). [*Analyzing Speech Patterns as a Potential Screen for Health Risks.*](#)

VNS Health Frontline (December, 2023). Sharks, Weddings and Pro Athletes! Here Are Our Latest Hidden Talents! [*Dodging Sharks and Going the Distance: Ultramarathon Swimmer, Lori King.*](#)