

CURRICULUM VITA

Mary Elizabeth Bowen (Libbey)

Associate Dean for Research & Associate Professor, University of Delaware, School of Nursing, Newark, DE
Research Health Science Specialist, Department of Veterans Affairs, Philadelphia, PA
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PROGRAM OF RESEARCH

My overarching research interest is to understand the factors affecting the functional status trajectories of cognitively impaired older adults over time and across health care settings and to translate these findings into practice.

EDUCATION

PhD, Sociology	Virginia Tech, Blacksburg, VA	2003-2006
Certifications in <i>Gerontology</i> and <i>Race and Social Policy</i>		
MA, Sociology (Honors)	University of Kansas, Lawrence, KS	2001-2003
BA, Sociology (Honors) and Gender Studies	William and Mary, Williamsburg, VA	1997-2001

POST-DOCTORAL TRAINING

Fellowship in Patient-Safety, Office of Academic Affairs HSR&D/RR&D Center of Excellence, James A. Haley Veterans Hospital, Tampa, FL	7/2009-7/2010
T-32, AHRQ Postdoctoral Fellow, Institute of Gerontology Wayne State University, Detroit, MI	7/2006-6/2009

EXPERIENCE

Core Investigator, HSR&D Center for Health Equity, Research and Policy (CHERP), Corporal Michael J. Crescenz VA Medical Center, Philadelphia, PA	2020-present
Associate Dean for Research, School of Nursing, University of Delaware	2019-present
Tenured Associate Professor, School of Nursing, University of Delaware	2019-present
Affiliate Appointment, Data Science Institute, University of Delaware	2019-present
Affiliate Appointment, Center for Research on Aging, University of Maryland	2019-present
Research Affiliate, Wilkes-Barre VA Medical Center, Wilkes-Barre, PA	2018-present
Tenure-Track Assistant Professor, School of Nursing, University of Delaware	2016-2019
Interim MPH Assessment Coordinator, Department of Health, West Chester University (WCU)	2015-2016
Research Affiliate, Coatesville VA Medical Center, Coatesville, PA	2014-present
Founder and Director, Healthy Aging Graduate Certificate Program, WCU	2014-2016
Research Health Scientist, Corporal Michael J. Crescenz VA, Philadelphia, PA	2013-present
Tenure-Track Assistant Professor, Department of Health, West Chester Univ (WCU)	2013-2016
Adjunct Appointment, School of Nursing, University of Pennsylvania	2013-2016
Co-Director, International Wandering Consortium, James A. Haley VA Medical Center, Tampa, FL	2011-2013

GRANTS AWARDED

R01NR020193 NINR	\$1.05M	Resubmission 3/2022
Understanding sleep-related pain over time and associated mechanisms in later life This award is to utilize a community-dwelling older adult population with chronic pain to examine sleep-related pain trajectories over the course of a year and identify underlying sleep and pain mechanisms. Role: MPI		
R01 NIH		Submitted 10/2021
This award is to examine the role of social media on cognition and other health outcomes among community-dwelling older adults. Role: Co-I		
Weinberg Foundation	\$1.25M	10/2021-12/2023
Capital Projects to Supplement CAPABLE Implementation This award will address critical home repairs for low-income Veterans with 1 ADL or 2 IADL deficiencies - across 9 VA medical centers in PA, NJ, DE, and MD and 45 associated community-based outpatient clinics. Role: Lead		
150 HX003201-01 VA QUERI Long, Burke, Hall (Center PIs)	\$5.1M	10/2020-9/2025
Safer Aging through Geriatrics-Informed Evidence-Based Practices (SAGE) Implement four evidence-based "Age-Friendly" programs across 9 VA medical centers in PA, NJ, DE, and MD and 45 associated community-based outpatient clinics. Role: Co-I and Project PI of the CAPABLE (Community Aging in Place—Advancing Better Living for Elders) EBP		
I01RX002413 VA Merit Award	\$1.08M	3/2018-2/2022 (NCE: 2/2023)
Intra-Individual Changes in Ambulation and Functional Outcomes Among Frail Elders This award is to continuously track the behaviors of older adults across 3 long-term care sites to examine how changes in behavior are associated with a fall, urinary tract infections, delirium, and other events. Role: PI		
P30 NR016579 NINR	Griffioen (Pilot PI) \$133,094	05/01/19-04/30/21
Omics Associated with Self-Management Interventions for Symptoms (OASIS) Correlation of chronic lower extremity pain, physical activity, and fall risk in community-dwelling older adults. The purpose of this study is to understand how individual differences in everyday physical activity may be associated with chronic lower extremity pain, peripheral sensory nerve function, variability in gene expression, and fall risk among community-dwelling older adults. Role: Senior Mentor and Co-I		
09-156_4 HSR&D Pilot Funding	\$28,000	1/2013-10/2013
Development of a patient ambulation monitoring system With machine-learning techniques develop a patient-monitoring ambulation system to alert VA staff of an increased risk for adverse events on the unit. Role: PI		
E7503W RR&D Career Development Award (II)	\$813,295	4/2011-3/2016
The Relationship between Wandering and Functional Status The goal of this multi-site study is to examine how wandering, as a dementia-related physical activity, may preserve physical functioning and also be utilized for the early recognition of cognitive and/or physical decline. Role: PI		
VA RR&D Supplemental Award	\$112,000	4/2011-10/2011
Tracking technology pilot This feasibility study examined the use of real-time locating and monitoring technology in long-term care with Veterans Role: PI		
XVA 950022 National Center for Patient Safety (NCPS)	\$21,500	7/2010-7/2011
Fall Prevention and Detection in Long-term Care Mary Elizabeth Bowen Updated 11/2/2021		

The goal of this prospective study is to understand fall risk factors and other adverse events among institutionalized older adults with dementia and develop quantitative methodological tools to record ambulation.

Role: PI

ADDITIONAL FUNDING AWARDED

UD Office of the Dean, Pilot Award \$79,400 5/2019-4/2020
Physical Activity Trajectories in Older Adults with Mild Cognitive Impairment
This award established an aging and physical activity lab in the STAR complex to advance aging science and a core team of investigators and conduct a pilot of 20 community-dwelling older adults whose physical activity and function is tracked continuously over the course of 6 months.
Role: PI

T-21, VHA Extending Smart Home Technology \$492,888 12/2012-12/2013
for Cognitively Impaired Veterans to Delay Institutionalization (*Part II*)
Geriatrics and Extended Care Project: Co-I; James A. Haley Veterans Hospital, Center of Excellence, Tampa, FL
Role: Co-I

T-21, VHA Extending Smart Home Technology \$651,000 12/2011-12/2012
for Cognitively Impaired Veterans to Delay Institutionalization (*Part I*)
Geriatrics and Extended Care Project: Co-I; James A. Haley Veterans Hospital, Center of Excellence, Tampa, FL
Role: Co-I

Welcome Home: Smart Home (VHA) \$2.9M 7/2010-7/2011
The aim of this project is to rehabilitate polytrauma veterans and recommend policies and procedures to prevent falls and disability; James A. Haley Veterans Hospital, Center of Excellence, Tampa, FL
Role: Co-I

American Association for Retired Persons (AARP) \$10,000 5/2005-5/2006
Funding to support dissertation research on racial/ethnic differences in health care access and outcomes in a nationally representative sample of older adults in the Health and Retirement Study (HRS).

PUBLICATIONS

*Denotes mentee

1. *Ramazi, R., **Bowen, ME.**, Besheti, R. (Under Review). Clustering Mobility Behavior of Cognitively Impaired Patients with a Jointly Optimized Technique. *Smart Health*.
2. *Ramazi, R., **Bowen, ME.**, Flynn, A., Besheti, R., (Under Review). Developing Acute Event Risk Profiles in Long-Term Care Using Motor Behavior Clusters Derived from Deep Learning Models. *JAMDA*.
3. **Bowen, ME.**, Phillip, L., Gaynor, B. (Accepted). Changes in Physical and Cognitive Functions on Sedentary Behavior in among Older Adults with Mild Cognitive Impairment. *Research Geron Nursing*.
4. Griffioen, M, **Bowen, ME.**, Renn, C, Resnick, B, Xiaopeng, J. (In Press). Prior night sleep patterns affect next-day pain interference among community-dwelling older adults with chronic lower extremity pain. *Res Geron Nurs*.
5. **Bowen, ME.**, Cacchione, P. (Epub ahead of print). Changes in Motor Behavior Predict Falls and Aid in the Early Identification of Acute Events. *West J Nurs Res*. <https://doi.org/10.1177/01939459211031981>
6. **Bowen, M. E.**, Ji, X., & Griffioen, M. A. Poor Sleep Predicts Increased Pain Perception Among Adults With Mild Cognitive Impairment. *Nursing research*, 2021, 70(4), 310–316. <https://doi.org/10.1097/NNR.0000000000000506>
7. **Bowen ME.** Monitoring functional status using a wearable real-time locating technology. *Nurs Outlook*. 2020 Nov-Dec;68(6):727-733. doi: 10.1016/j.outlook.2020.04.012.
8. **Bowen, M.E.**, Gaynor, B., Phillips, L. Orsega-Smith, E., Lavery, A., Mitchell, A., & Basehore, H. Factors Associated with Health Service Utilization Among Older Adults in a Mobile Veterans Program. *J Geron Nurs*, 2020, 46(5), 15-22. <https://doi:10.3928/00989134-20200313-01>
9. **Bowen, ME.**, Rowe, M, Ji, M, Cacchione, P. A Research Proposal Testing a New Model of Ambulation Activity among Long-Term Care Residents with Dementia/Cognitive Impairment: The Study Protocol of a Prospective Longitudinal Natural History Study. *BMC Research Notes; September, 2019; 12 (557); 1-10*, doi.org/10.1186/s13104-019-4585-5.

10. **Bowen, ME**, Crenshaw, J, Kearns, W, Stanhope, S. Using a real-time locating system to measure walking activity associated with wandering behaviors among institutionalized older adults. *Journal of Visualized Experiments*, February, 2019; (144), e58834, doi.org/10.3791/58834.
11. *Novello, S, **Bowen, ME**, Griffioen, M. A Stroke Reduction Health Plan for Older Adults in Rural Sussex County, Delaware. *Delaware Journal of Public Health*, 2018; 4(5); 62-67.
12. **Bowen, ME**, Crenshaw, J., Stanhope, S. Balance Ability and Cognitive Impairment Influence Sustained Walking in an Assisted Living Facility. *Archives of Gerontology and Geriatrics*; 2018; 77; 133-141.
13. **Bowen, ME**, Rowe, ME. Wandering Behaviors and Activities of Daily Living among Older Adults with Cognitive Impairment. *Rehabilitation Nursing Journal*; 2018. doi: 10.1097/rnj.0000000000000148.
14. **Bowen, ME**, *Casola, A., *Coleman, C. Barriers to and Influences on Healthy Eating among Latino Immigrant Mushroom Farm Workers Utilizing a Community Food Cupboard. *J of Hunger and Environmental Nutrition*, 2018; doi: 10.1080/19320248.2018.1434102.
15. **Bowen, ME**, Rowe, M., Ersek, M., Shea, J, Ibrahim, S. The Physical and Cognitive Performance Test for Residents in Assisted Living. *Journal of the American Geriatrics Society*, 2017; 65: 1543-1548. doi: 10.1111/jgs.14932
16. **Bowen, ME**, Rowe, M. Intra-Individual Changes in Ambulation Associated with Falls in a Population of Vulnerable Older Adults in Long-Term Care. *Archives of Phys Med & Rehab*. 2016; 97(11): 1963-1968. doi:10.1016/j.apmr.2016.05.013.
17. Rowe, M, Houston, A, Molinari, V, Bulat, T, **Bowen, ME**, Mutolo, S, McKenzie, B. The Concept Of Missing Incidents In Persons With Dementia. *Healthcare*.2015; 3(4): 1121-1132. doi:10.3390/healthcare3041121.
18. Barks, L, Luther, S, Brown, L, Schulz, B, **Bowen, ME**, Powell-Cope, G. Development and Initial Validity of the Seated Posture Scale. *JRRD*. 2015; 52(2): 201-210.
19. **Bowen, ME**, Rowe, M, Hart-Hughes, S, Barnett, S, Ji, M. Characteristics of and Barriers to Functional Status Assessment in Assisted Living. *Res Geron Nurs*. 2015; 8(5): 220-230 doi: 10.3928/19404921-20150406-01.
20. **Bowen, ME**, *Ruch, A. Depressive Symptoms and Disability Risk among Older White and Latino Adults by Nativity Status. *J Aging Health*.2015; doi: 10.1177/0898264315580121.
21. Kearns, W, Jasiewicz, J, Fozard, J, Webster, P, Scott, S, Craighead, J, **Bowen, ME** & McCarthy, J. Temporo-spatial prompting for persons with cognitive impairment using a smart wrist-worn interface. *JRRD*. 2013; 50(10):vii–xiv. <http://dx.doi.org/10.1682/JRRD.2013.12.0261>.
22. González, HM, Tarraf, W, **Bowen, ME**, Johnson-Jennings, MD, Fisher, GG. What do parents have to do with my cognitive reserve? Life-course perspectives on twelve-year cognitive decline. *Neuroepidemiology*. 2013; 41:101–109. doi: 10.1159/000350723.
23. McKenzie, B, **Bowen, ME**, Keys, K, Bulat, T. Safe Home Program: A Suite of Technologies to Support Extended Home Care of Persons with Dementia. *Amer J Alz Dis Oth Dem* 2013; 28(4): 348-354. doi: 10.1177/1533317513488917.
24. *Paulson, D, **Bowen, ME**, Lichtenberg, P. Does Brain Reserve Protect Older Women from Vascular Depression? 2013; *J Gerontol B Psychol Sci Soc Sci*. doi: 10.1093/geronb/gbt007.
25. **Bowen, ME**, Wingrave, C, V, Klanchar, A, Craighead J. Tracking technology: Lessons learned in two health care sites. *Tech Health Care* 2013; 21 : 191-197doi: 10.3233/thc-130738.
26. Applegarth, SP, Rowe, M, Kearns, W, **Bowen, ME**. Activation Thresholds and Operating Characteristics of Commercial Alarm Products that may be used to Provide Surveillance for Dementia Caregivers. *Intl J Geron* 2013; 11(3): 480-487. doi: 10.4017/gt.2013.11.3.007.00.
27. **Bowen, ME**. The Relationship between Body Weight, Frailty, and the Disablement Process. *J Gerontol B Psychol Sci Soc Sci* 2012; 67(5): 618-626. doi:10.1093/geronb/gbs067.
28. **Bowen, ME**. A Prospective Examination of the Relationship between Physical Activity and Dementia Risk in Later Life. *Am J Health Promot* 2012; 26(6): 333-340 doi: 10.4278/ajhp.110311-QUAN-115.
29. **Bowen, ME**, *Nieves-Garcia, V, Klanchar, A, Craighead J. Multidrug-resistant organisms in a community living facility: tracking patient interactions and time spent in common areas. *Amer J of Infection Control*. 2011; 40(7): 677-679 doi:10.1016/j.ajic.2011.08.015.
30. **Bowen, ME**, McKenzie, B, Steis, M, Rowe, M. Prevalence of and antecedents to dementia-related missing incidents in the community. *Dement Geriatr Cogn Disord* 2011; 31(6): 406-412. doi: 10.1159/000329792.
31. *Paulson, D, **Bowen, ME**, Lichtenberg, P. Successful Aging and Longevity in Older Old Women: The role of Depression and Cognition. *J Aging Res* 2011; doi:10.4061/2011/912680.
32. **Bowen, ME**, Craighead, J, Wingrave, C, Kearns, W. Real-Time Locating Systems (RTLS) to Improve Fall Detection. *Intl J Geron* 2010; 9(4): 464-471. doi:10.4017/gt.2010.09.04.005.00

33. Bowen, ME. Coronary heart disease from a life-course approach: Findings from the Health and Retirement Study, 1998-2004. *J Aging Health* 2010; 22(2): 219-241. doi: 10.1177/0898264309355981.
34. **Bowen, ME.** Childhood socioeconomic status and racial differences in disability: Evidence from the Health and Retirement Study (1998-2006). *Soc Sci & Med* 2009; 69: 433-441. doi: 10.1016/j.socscimed.2009.06.006
35. Gonzalez HM, Ceballos M, Tarraf W, West BT, **Bowen ME**, Vega WA. The health of older Mexican Americans in the long run. *Am J Public Health* 2009; 99(10):1879-85. doi: 10.2105/AJPH.2008.133744.
36. Gonzalez HM, Tarraf W, West BT, Croghan, TW, **Bowen, ME**, Cao, Z, Alegría, M. Antidepressant use in a nationally representative sample of community-dwelling US Latinos with and without depressive and anxiety disorders. *Depress Anxiety* 2009; 26(7):674-81. doi: 10.1002/da.20561.
37. **Bowen ME**, Gonzalez HM. Racial/ethnic differences in the relationship between the use of health care services and functional disability: the health and retirement study (1992-2004). *the Gerontologist* 2008;48(5):659-67. PMID: 18981282.
38. Gonzalez HM, **Bowen ME**, Fisher GG. Memory decline and depressive symptoms in a nationally representative sample of older adults: the Health and Retirement Study (1998-2004). *Dement Geriatr Cogn Disord* 2008;25(3):266-71. doi: 10.1159/000115976.
39. Calasanti TM, **Bowen ME.** Spousal caregiving and crossing gender boundaries: Maintaining gendered identities. *J Aging Studies* 2006;20(3):253-263. <https://doi.org/10.1016/j.jaging.2005.08.001>.
40. Ekerdt DJ, Sergeant JF, Dingel M, **Bowen ME.** Household disbandment in later life. *J Gerontol B Psychol Sci Soc Sci* 2004;59(5):S265-73. PMID: 15358801.

SELECTED REFEREED CONFERENCE POSTERS AND PRESENTATIONS

*Denotes mentee

1. **Bowen, ME**, Rowe, M., Cacchione, P., Ji, M. (Accepted). Motor Behavior Changes are Predictive of Acute Events in Skilled Nursing. GSA. November, 2021. Paper.
2. Griffioen, MA, Ji, X, **Bowen, M**, Resnick, B. Depression amplifies the effects of poor sleep on pain among assisted living facility residents with dementia. National Hartford Center of Gerontological Nursing Excellence Virtual Leadership Conference. October 2021. Poster Presentation.
3. *Horning, M., **Bowen, ME.** Family Communication Patterns and Family Perceptions of End-of-Life care in Chronic Disease. ENRS. April, 2021. Poster.
4. Griffioen, M., Resnick, B., Renn, C., **Bowen, M.E.** Ecological assessment of the effects of chronic lower extremity pain on physical activity among community-dwelling older adults using wearable activity monitors. APHA. October, 2020. Poster.
5. Ji, Xiaopeng, **Bowen, ME**, Griffioen, M. Poor Sleep Increases Next Day Pain-- Particularly for Older adults with Mild Cognitive Impairment. GSA. November, 2020. Presentation.
6. Phillips, L., **Bowen, M.E.** The Relationship between Cognitive Function and Sedentary Time. GSA. November, 2020. Poster.
7. Rowe, M., **Bowen, M.E.** Wayfinding/Being Missing: Using Previous Research to Drive Future Investigations. International Consortium on Wayfinding. June 2020. Presentation.
8. **Bowen, M.E.** Behavioural Patterns among Older Adults with Dementia in Care Homes International Consortium on Wayfinding. June 2020. Presentation.
9. Bowen, M.E. A Sensor Technology to Continuously Monitor Changes in Cognition. AAIC. July 2020. Poster.
10. Phillips, L, Beattie, Z, Ahmed, H, **Bowen, ME.** Naturalistic Assessment of Gait in a Smart Home Apartment. Advanced Methods Conference, Council for the Advancement of Nursing Science. October, 2019. Washington, DC. Poster.
11. **Bowen, ME.** Sensor Technology in Long-Term Care: Analytics in Sensor Technology in Research Panel. Advanced Methods Conference, Council for the Advancement of Nursing Science. October, 2019. Washington, DC. Presentation.
12. *Novello, S., **Bowen, ME**, Griffioen. Stroke Reduction Plan for Sussex Co, Delaware. ENRS. April, 2019. Poster.
13. **Bowen, ME.** Understanding Cognitive Impairment and Wandering. Dementia and Wayfinding Symposium. Edinburgh, Scotland. March 2019. Symposium.
14. **Bowen, ME**, Creshaw, J, Stanhope, S. Balance Ability and Cognitive Impairment Influence Sustained Walking in an Assisted Living Facility. College of Health Sciences Research Day. February, 2019. Poster.
15. Griffioen, M., **Bowen, ME**, Krouse, A, Hauenstein, E. Incorporating emerging technology as a teaching strategy in an online nurse practitioner population health course. APHA. 2018. San Diego, CA, Nov 2018. Poster.
16. **Bowen, ME**, Creshaw, J, Stanhope, S. Balance Ability and Cognitive Impairment Influence Sustained Walking in an Assisted Living Facility. Alzheimer's Association International Conference (AAIC). Chicago, IL, July 2018. Poster

17. Phillips, LJ, **Bowen, ME**. Technology-enhanced Adaptive Living Space for Aging-in- Place Research, Education, and Patient Care. International Society for Gerontechnology, St. Petersburg, FL, May 2018. Poster.
18. **Bowen, ME**, Rowe, M. Wandering Behaviours among Older Adults with Cognitive Impairment. International Society for Gerontechnology, St. Petersburg, FL, May 2018. Presentation.
19. **Bowen, ME**, Rowe, M. Real-Time Location Systems Facilitate Independence in Long-term and Specialized Care Settings. 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, July 2017. Symposia.
20. **Bowen, ME**. Training the Next Generation of Health Care Workers and Professionals with a Life Span Lens. AGHE, Miami, FL, March, 2017. Poster.
21. **Bowen, ME**, Rowe, M. Measuring Acute and Long-Term Changes in Functional Status in a Population of Older Adults in Assisted Living. Association for Gerontology in Higher Education (AGHE), Nashville, TN, March 2016. Poster.
22. **Bowen, ME**., *Casola, A, *Coleman, C. Food choices, preferences and barriers to healthy eating among community food cupboard clients. APHA, Chicago, IL; Oct 31- Nov 4, 2015. Poster.
23. **Bowen, ME**, Rowe, M. Ambulation Changes Among Older Adults in Assisted Living: Implications for the Prevention of Functional Decline. GSA, Washington, DC, November 2014. Poster.
24. **Bowen, ME**, *Ruch, A. The Latino Health Paradox: Depression and Functional Limitations. West Chester University of Pennsylvania Research Day. April, 2014. Poster.
25. **Bowen, ME**, Rowe, M, and Wingrave, C. An Evidence-Based Patient Monitoring System to Improve the Health Outcomes of Older Adults. AGHE. Denver, CO, March 1st, 2014. Poster.
26. **Bowen, ME**, Rowe, M. Measuring Functional Status Changes among Institutionalized Older Adults with Dementia. GSA, San Diego, CA. November 2012 & VA Research Day April 2013. Poster.
27. **Bowen, ME**, Rowe, M, D'Aoust, R., and Greenblum, C. For Caregiver Sleep Not all Stressors are Created Equal. AAIC, Vancouver, BC, July 2012. Poster.
28. **Bowen, Mary E**. Real-Time Locating Systems (RTLS) to Improve Fall Detection. National Center for Patient Safety Conference. Arlington, VA, 2010. Presentation.
29. **Bowen, Mary E**. Improving Fall Detection: An Innovative Use of Real-Time Locating Systems (RTLS). 11th Annual Conference on Transforming Fall Management Practices. Clearwater, FL, 2010. Presentation.
30. *Paulson, D, **Bowen, ME**, Lichtenberg. Cognitive Reserve as a Protective Factor for Vascular Depression. The Cognitive Aging Conference, Atlanta, GA, 2010. Poster.
31. *Paulson, D, **Bowen, ME**, Lichtenberg. Cerebrovascular Risk Factors, Cognitive Functioning and Depressive Symptoms in Women over 80. GSA, Atlanta, GA, 2009. Presentation.
32. **Bowen, ME**. Cognitive Benefits to Physical Activity: Findings from the Aging, Demographics, and Memory Study (ADAMS). American Sociological Association (ASA), San Francisco, CA, 2009. Poster.
33. **Bowen, ME**, González, HM, Tarraf, W. What do Mom and Dad have to do with my Cognitive Reserve? The Health and Retirement Study (1998-2006). GSA, National Harbor, MD, 2008. Poster.
34. González, HM, Ceballos, M, West, BT, **Bowen, ME**, Tarraf, W. Acculturation and the health of older Mexican Americans in the long run. Invited presentation to the NIMH sponsored New Mexico Mentorship and Education Program, Albuquerque, NM, 2008. Presentation.
35. **Bowen, ME**, Orom, H, Underwood, W, González, HM. Chemotherapy Treatment and Cognitive Decline: Findings from the Health and Retirement Study (1998-2004). GSA, San Francisco, CA, 2007. Poster.
36. González, HM, **Bowen, ME**, Orom, H. Paradox, What Paradox? Pan American Congress on Geriatrics and Gerontology, Puebla, Mexico, 2007. Presentation.
37. **Bowen, ME**. Early Life Course Disadvantages as Pathways to Differential Health Outcomes by Race and SES. GSA, Dallas, TX, 2006. Poster.
38. Calasanti, T, **Bowen, ME**, King, N. Taking 'Women's Work' like a Man: Husbands' Experiences of Care Work. GSA, Orlando, FL, 2005. Presentation.
39. **Bowen, ME**. Modeling Health Disparities in Later Life. Southern Sociological Society, Charlotte, NC, 2005. Poster.
40. **Bowen, ME**, Calasanti, T. Spousal Caregiving and Crossing Gender Boundaries. GSA, Washington, DC, 2004. Presentation.
41. **Bowen, ME**. Managing Stigma in Caregivers of Alzheimer's Patients. Southern Sociological Society. Atlanta, GA, 2004. Poster.
42. Ekerdt, DJ, Sergeant, JF, Dingel, MJ, **Bowen, ME**. Managing and Disposing Of Possessions in Later Life. GSA, San Diego, CA, 2003. Poster.
43. **Bowen, ME**. Institutional Inequality in Old Age. Midwest Sociological Society, Chicago IL, 2003. Poster.

- Bowen, ME**, Phillips, L. The Relationship Between Cognitive Decline and Sedentary Time. *Innov Aging*, 2020; 4 (Suppl 1): 191.
- Ji, X, **Bowen, ME**, & Griffioen, M. A. Poor Sleep Increases Next Day Pain, Particularly for Older Adults with Mild Cognitive Impairment. *Innov Aging*, 2020, 4(Suppl 1), 527.
- Bowen, ME**, Creshaw, J, Stanhope, S. Balance Ability and Cognitive Impairment Influence Sustained Walking in an Assisted Living Facility. *Alz & Dem* 2018.
- D.H. Sullivan, W. Kearns, A. Mihailidis. Real-Time Location Systems Facilitate Independence in Long-Term and Specialized Care Settings. *Innov Aging*, 2017.
- Rowe, M, Groer, M, Greenblum, C, Beckstead, J, **Bowen, ME**, Brewster, G. Caregiver Sleep, Depression and Stress: Impact on Immune, Endocrine and Inflammatory Biomarkers. *Alz & Dem* 2012; 8 (4 Supplement): 380-381.
- Bowen, ME, Rowe, M, D'Aoust, R, Greenblum, C. For Caregiver Sleep Not all Stressors are Created Equal. *Alz & Dem* 2012; 8 (4 Supplement): 380.
- Bowen, ME**, González, HM, Tarraf, W. What do Mom and Dad have to do with my Cognitive Reserve? The Health and Retirement Study (1998-2006). *Gerontologist* 2008; 48 (Special Issue 3): 1-770.
- Bowen, ME**. Early Life Course Disadvantages as Pathways to Differential Health Outcomes by Race and SES. *Gerontologist* 2006; 46 (Special Issue 1).
- Calasanti, T, **Bowen, ME**, King, N. Taking 'Women's Work' like a Man: Husbands' Experiences of Care Work. *Gerontologist* 2005; 45 (Special Issue 2): 1-677.
- Bowen, ME**, Calasanti, T. Spousal Caregiving and Crossing Gender Boundaries. *Gerontologist* 2004; 44 (Special Issue 1): 1-672.

INVITED PRESENTATIONS (NON-PEER REVIEWED)

- Griffioen, M., Resnick, B., Renn, C.L., **Bowen, M.E.** Correlation of Chronic Lower Extremity Pain, Physical Activity, and Fall Risk in Community-Dwelling Older Adults. University of Maryland. May, 2020.
- Bowen, ME**. Understanding Cognitive Impairment and Wandering. Dementia and Wayfinding Symposium. Edinburgh, Scotland. March 2019. Symposium.
- Bowen, ME**. Annual Caregiver Support Conference. "Dementias: Strategies for Dealing with Behavioral Challenges." Coatesville VA Medical Center. 11/18/16
- Bowen, M.E.** Kendal/Crosslands Communities, "Trends in Gerontology." Kennett Square, PA; 5/11/16
- Bowen, M.E.** Center for Integrative Science in Aging (CISA), School of Nursing, University of Pennsylvania. "Behavioral Changes in Ambulation and the Health of Institutionalized Frail Older Adults." 11/15.
- Bowen, M.E.** Office of Nursing Research, School of Nursing, University of Pennsylvania. "Assessing Functional Status Changes in an Assisted Living Setting." 9/15.
- Bowen, M.E.** Institute of Gerontology, Wayne State University. 1/21/14. "Predicting Changes in Functioning in Later Life: An Examination of Older Adults with Dementia."

HONORS AND AWARDS

- **Student-Nominated, Excellence in Teaching**, College of Health Sciences, University of Delaware (11/2020)
- **Nominated, Excellence in Research**, College of Health Sciences, University of Delaware (5/2017, 5/2018)
- **Outstanding Research Performance** at the Department of Veterans Affairs, Michael J. Crescenz VA Medical Center, 2014, 2015, 2016, 2017, 2018, 2019, 2020
- **Outstanding Research Performance** at the Department of Veterans Affairs, James A. Haley VA Medical Center, Tampa, FL, 2012, 2013
- **Summer Institute on Aging Research (National Institute on Aging) Award**, NIA grant-writing workshop, Queenstown, MD, July 2011
- **Center of Excellence Research Employee of the Year Award**, James A. Haley Veterans Hospital-- recognition award for achievements in health research throughout the year, 2011
- **Center of Excellence Research Trainee Employee of the Quarter Award**, James A. Haley Veterans Hospital-- recognition award for achievements in health research in the quarter, 2010
- **Inter-University Consortium for Political and Social Research (ICPSR) Workshop Award**, University of Michigan on Collaborative Psychiatric Epidemiology Surveys (CPES): Investigating Cultural and Ethnic Influences on Mental Health, 2008
- **ICPSR Workshop Award**, University of Michigan on Methodological Issues in Quantitative Research on Race and Ethnicity, 2007
- **RAND Workshop on Aging and the Mini-Medical School for Social Scientists Award**, 2007
- **S. J. Ritchey Scholarship**, Center for Gerontology, Virginia Tech (\$2,000), to support research, 2005
- **Peggy Lavery Gerontology Research and Professional Development Award**, Center for Gerontology, Virginia Tech, 2004

- **Helen Waddle Roofe Scholarship**, The University of Kansas, 2001 & 2002
- **Deans Award for Research**, William and Mary, 2000

TEACHING EXPERIENCE (AS INSTRUCTOR)

*Indicates also responsible for course development

- University of Delaware, School of Nursing
 - *Population Health II, graduate Sp '17-'21
 - *Advancing the Health of an Aging Population, undergraduate Wi '18
 - *Integrated Health Care Delivery I, graduate Sp '17, Fall '17-'21
 - *Population Health I, graduate Fall '16, Fall '17
- West Chester University, Department of Health
 - *A Life Span Approach to Public Health, graduate Fall '15
 - Death and Dying, undergraduate Fall '13,'14 & Sp'14,'16
 - Research Methods, graduate Fall '13-Fall 15
 - Positive Aspects of Aging, undergraduate Fall '13
- Instructor on record as graduate student and post-doc
 - Sociology of Aging, University of North Florida Sp '09
 - Health, Illness, and Society, University of North Florida Fall '08
 - Sociology of Aging, Virginia Tech Sp '06
 - Gender Relations, Virginia Tech Sum'05

MENTORSHIP

I currently mentor two master's level students – one in Behavioral Health and Nutrition and another in Sociology and three DNP and two PhD students in Nursing. I typically commit 1 hour/week to each trainee for direct 1:1 mentoring, but the contact with PhD students is slightly higher and often includes daily contact.

Beyond those students noted below associated with a terminal degree or product, I am actively engaged in managing the aging research laboratory that supports undergraduate and graduate students. These include students from psychology, nursing, and computer science – engaged in big data analysis, machine learning statistical techniques, implementation science, and the utilization of real-time location and tracking data for health outcome modeling and prediction.

My current and selected past mentees include:

Timeframe	Name	Topic	Product	Department/School
2021-present	Ramin Ramazi, PhD	Behavioral Risk Profiles to Prevent Acute Events	Dissertation Committee	Computer Science and Information Systems
2021-present	Elizabeth Ortiz, DNP	TBD	DNP Chair	Nursing
2021-present	Kristy Chester, DNP	Veteran's Health	Jonas Scholar	Nursing
2021-present	Gwyn Tulskey, BSN	Quantitative Sensory Testing	Honors Thesis	Nursing
2020-present	Shauna Leahy, MA	Caregiving	Master's Thesis Committee	Sociology
2019-present	Raman Kaur, DNP	Falls Risk	DNP Co-Chair	Nursing
2019-present	Aastha Dahal, PhD	Symptom Science - Sleep	Dissertation Committee	Nursing
2019-2021	Melanie Horning, PhD	Hospice Care	Dissertation Committee Chair	Nursing
2019-2021	Marybeth Groot, MA	Physical Activity and Falls	Master's Thesis Committee	Behavioral Health and Nutrition
2015-2016	Marlaina Kloepfer, EdD	DNP Education	Dissertation Committee	Education

2011-2012	Veronica Nieves-Garcia, MPH	Real-Time Multi-Drug Resistant Organism Tracing	Master's Thesis Committee	Public Health
2008-2010	Daniel Paulson, PhD	Mental health and medical service delivery	Dissertation Committee	Clinical Psychology

SERVICE

University

- **Member**, Interdisciplinary Curriculum Committee, 2021-present
- **Member-Elect**, Graduate College Representative, 2021-present
- **Member-Elect**, Women's Caucus Executive Board, University of Delaware, 7/2020-7/2023
- **Member**, Compliance/Data Sharing/Inter-Institutional Agreements Subcommittee, CTR Task Force, University of Delaware, 5/2020-12/2020
- **Proxy**, Faculty Senate, West Chester University (2015-2016)
- **Appointed**, Under-Represented Minority Recruitment and Retention Committee (5/2016-8/2016)
- **Institutional Representative**, West Chester University, Association for Gerontology in Higher Education (AGHE), 2014
- **Member, Health Sciences Summer Academy** for under-represented minority group members in area high schools (Summers 2014 & 2015)
- **Appointed, Academic Integrity Board**, West Chester University, 2013-2016

Department/College

- **Co-Chair Elect, Promotion and Tenure Committee**, University of Delaware, School of Nursing, F2020-present
- **Ex-Officio, School of Nursing Research Committee**, University of Delaware, F2019-present
- **Member-Elect, Promotion and Tenure Committee**, University of Delaware, School of Nursing, F2019- F2020
- **Member-Elect, Governance Committee** University of Delaware, School of Nursing, 4/2017-F2018
- **Chair-Elect, School of Nursing Research Committee**, University of Delaware 4/2017-F 2019
- **Appointed, College of Health Science Research Committee**, University of Delaware, School of Nursing, 2018-present
- **Search Committee Member**, Senior Associate Dean for Nursing, University of Delaware, 2018-2019; & Postdoctoral Search Committee, University of Delaware, 2018-2019; & Data Coordinator Search Committee, University of Delaware, 2018-2019 & Grants Writer Search Committee, University of Delaware, 2017-2018 & Community Health Faculty Search Committee, West Chester University, 201 & Health Care Management Search Committee, West Chester University, 2014
- **Invited Speaker, Living Learning Community (LLC) Student Workshop**, presentation on research to first year students; 9/24/18 & 5/2021
- **Member, NLN Center of Excellence Workgroup**, University of Delaware 11/2017-8/2018
- **Chair-Elect**, Research Committee, West Chester University (2014-2016)
- **Member, Governance Board Committee**, West Chester University, 2014-2016
- **Member**, MPH Core Course Committee, West Chester University, 2014-2016

Community

- **Grant Review Panel Experience**, ACCEL CTR Program, 4/2021; VA SPiRE Pilot Grant Program, 2020, VCU Alzheimer's & Related Diseases Research Award Fund, 2019, Nebraska Research Initiative, 2017 & 2018, Department of Veterans Affairs (R01-level), 2016, 2017, 2018; Department of Veterans Affairs (Career Development Panel), 2014, 2015, 2017
- **Member-Elect to the Board of Directors**, National Hartford Center of Gerontological Nursing Excellence, 11/2020-present
- **Invited Chair**, session "Sensors and Monitoring" for International Society for Gerontechnology (5/8/2018)
- **Editor**, PLOS ONE Veteran Disability and Rehabilitation Research, 2017-2019; <https://channels.plos.org/vdrrc>
- **AGHE Public Policy Committee & Faculty Development Committee**, 2016-2017
- **McKnight's Senior Living**, by Alyssa Salela. "New instrument can assess assisted living residents' ADL skills," July 17, 2017; <https://www.mcknightsseniorliving.com/home/news/new-instrument-can-assess-assisted-living-residents-adl-skills/>

- **Founding Member**, Multi-Professional Consortium in Gerontology (<https://sites.udel.edu/nursing/geroconsortium/>) 2016-present
- **Participant, Summit on Aging**, "Deepening the Conversation on Aging, Philadelphia," PA, 5/28/2015
- **Associate Editor**, Journal of Rehabilitation Research and Development, 2015-7/2016
- **Member**, Institutional Review Board (IRB), Philadelphia VA Medical Center, 2015-2019
- **Member**, Pennsylvania Restraint Reduction Task Force (PARRI) (2014-12017)
- **Member**, National VA Patient Elopement and Wandering Workgroup, 2013-2016
- **Program Chair Associate**, Association for Gerontology in Higher Education, 2007
- **Manuscript Reviewer**, Journal of Applied Gerontology (2019), PLOS (2015-present), Clinical Interventions in Aging (2013-present), Alzheimer's Disease and Related Disorders (2013-present), Alzheimer's and Dementia (2012-present), Journals of Gerontology: Medical Sciences (2011-present), BMC Medical Research Methodology (2010-present), Social Science and Medicine (2009-present), Journal of Aging and Health (2009-present), American Journal of Public Health (2007-present), Journal of the American Geriatrics Society (2007-present), The Gerontologist (2007-present), Journals of Gerontology: Social Sciences (2005-present), Archives of Physical Medicine and Rehabilitation (2016-present); Journal of Alzheimer's Disease (2019-present)
- **Professional Memberships**, Gerontological Society of America, Association for Gerontology in Higher Education, International Society for Gerontechnology, American Public Health Association