

BIOGRAPHICAL SKETCH

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NAME: Haley, William E.

eRA COMMONS USER NAME (credential, e.g., agency login): billhaley

POSITION TITLE: Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Southern Illinois University-Carbondale	B.A.	05/76	Psychology
University of Massachusetts-Amherst	M.A.	12/79	Clinical Psychology
University of Massachusetts-Amherst	Ph.D.	02/82	Clinical Psychology
University of Washington School of Medicine-Seattle	Postdoctoral	12/82	Geriatric Psychology

A. Personal Statement

I am a Professor in the School of Aging Studies at the University of South Florida. In the proposed project, I will be involved in advising the research team in making culturally appropriate adaptations to an evidence-based dementia caregiver intervention, while maintaining key elements to effective dementia caregiver intervention. I will also advise on issues related to treatment fidelity and assist with the development of manuscripts.

I am well prepared for these roles. I began research on dementia caregiving over 30 years ago while at the University of Alabama at Birmingham. While there I led an NIA-funded longitudinal study of dementia caregiving in Whites and African-Americans, and served as Director of the Education Core of the NIA-funded UAB Alzheimer's Disease Center. I also served as Co-PI on the NIA/NINR-funded Birmingham site of the Resources for Enhancing Alzheimer's Caregiver Health (REACH) studies. I was heavily involved in efforts to develop culturally appropriate interventions for diverse family caregivers, and documenting these efforts in early manuscripts on the topic. At the University of South Florida, I continued work on diversity and dementia caregiving, including leading the Education Core of USF's NIA-funded Alzheimer's Center, which focused heavily on minority recruitment and retention. Beyond dementia caregiving, I have done additional research on caregiving in stroke, cancer, and terminal illness, with attention to diversity issues in many of these studies. I have also been involved with multiple research teams conducting intervention research, including interventions for hospice caregivers, cancer patients, and an ongoing project training nursing staff to deliver palliative care interventions. Much of my work on these projects has focused on diversity issues, including efforts to assure that interventions are culturally appropriate, and enhancing and measuring treatment fidelity. I have been continually funded by NIH since 1990 on 16 projects through NIA, NINDS, NIMH, NINR, and NCI as PI, Site PI, Co-PI, or Co-I. My contributions to science in these areas were recently recognized by my 2018 designation as a Fellow of the American Association for the Advancement of Science.

The following four papers exemplify some of the scholarship that I have done in these areas. These include a paper from our longitudinal study of Black and White dementia caregivers (Haley et al., 1996), a REACH paper describing modifications of dementia caregiver interventions attending to diversity (Gallagher-Thompson et al., 2003), a paper on diversity and end-of-life decision making (Kwak & Haley, 2005), and a recently accepted systematic review on racial/ethnic diversity and dementia caregiving (Liu et al., in press).

1. **Haley, W.E.**, Roth, D.L., Coleton, M.I., Ford, G.R., West, C.A.C., Collins, R.P., & Isobe, T.L. (1996). Appraisal, coping, and social support as mediators of well-being in Black and White family caregivers of patients with Alzheimer's disease. *Journal of Consulting and Clinical Psychology*, 64, 121-129.
2. Gallagher-Thompson, D., **Haley, W.E.**, Guy, D., Rubert, M., Arguellas, T., Tennstedt, S., & Ory, M. (2003). Tailoring psychological interventions for ethnically diverse dementia caregivers. *Clinical Psychology: Science and Practice*, 10, 423-438.
3. Kwak, J., & **Haley, W. E.** (2005). Current research findings on end-of-life decision making among racially/ethnically diverse groups. *The Gerontologist*, 45, 634-641.
4. Liu, C., Badana, A. N. S., Burgdorf, J., Fabius, C. D., Roth, D. L., & **Haley, W. E.** (in press). Systematic review and meta-analysis of racial and ethnic differences in dementia caregivers' well-being. *The Gerontologist*.

B. Positions and Honors

Positions and Employment

1982 – 1983	Acting Assistant Professor, Department of Rehabilitation Medicine, University of Washington School of Medicine
1983 – 1995	Assistant to (1989) Associate Professor, Department of Psychology, UAB
1986 – 1995	Staff Psychologist, Geropsychology, Birmingham Department of Veterans Affairs Medical Center
1995 – 2007	Director, School of Aging Studies, University of South Florida
1995 – present	Professor, School of Aging Studies (joint appointments in Psychology, Nursing, and Geriatric Medicine), University of South Florida

Other Experience and Professional Memberships

1990 – 1999,	Editorial Board, <i>The Gerontologist</i>
2011 – present	
1991 – 1995	Director, Education Core, Alzheimer's Disease Center, UAB
1991 – 1999	Editorial Board, <i>Journal of Gerontology: Psychological Sciences</i>
2003 – 2018	
1993 – present	Editorial Board, <i>Psychology and Aging</i> ; Associate Editor, 2003-2006
1993 – present	Editorial Board, <i>Research on Aging</i>
1996 – present	Editorial Board, <i>Aging & Mental Health</i>
2001	President, Section on Clinical Geropsychology, American Psychological Association
2003 – 2004	Chair, Behavioral and Social Sciences Section, Gerontological Society of America
2004 – 2008	Editorial Board, <i>Clinical Gerontologist</i>
2006 – 2009	National Institute of Mental Health – member, ITSP scientific review panel
2008 – 2011	Director, Education and Information Core, Florida Alzheimer's Disease Research Center, University of South Florida (Co-Director, 2005-2008)
2009 – 2011	Steering Committee, Education Cores, for all NIA funded Alzheimer's Disease Centers
2013 – 2014	President, Division of Adult Development and Aging (Division 20), American Psychological Association
2013 – 2015	Standing Member, review panel on Addressing Disparities, Patient Centered Outcomes Research Institute (PCORI)

Honors

1993	Fellow, Gerontological Society of America
1994	Fellow, American Psychological Association
1999	Fellow, Association for Gerontology in Higher Education
2002	Mentor Award, American Psychological Association Division of Adult Development and Aging and Retirement Research Foundation
2004	Outstanding Alumni Award, College of Liberal Arts, Southern Illinois University-Carbondale
2004	Outstanding Faculty Research Accomplishment Award, Office of Research, USF
2009	Master Mentor Award, American Psychological Association Division of Adult Development and Aging and Retirement Research Foundation

- 2013 Minority Mentorship Award, Gerontological Society of America Task Force on Minority Issues in Gerontology, 2013
- 2018 Fellow, American Association for the Advancement of Science

C. Contributions to Science

1. A major emphasis of my work has been assessing the **impact of chronic illness and disability on mental and physical health in older adults and their family members**. Work in this area has included study of longitudinal effects of caregiving on well-being and health in Black and White dementia caregivers (Roth et al., 2001), impact of breast cancer survivorship on older women (Robb et al., 2007), and long-term effects of stroke on Black and white family caregivers (Haley et al., 2015). Ongoing research funded by the NIA focuses on the impact of the transition to caregiving in Black and White families on well-being, quality of life, and biomarkers of inflammation (Roth et al., in press). In summary, the work of my colleagues and I have been important in identifying methods to measure and study the impact of chronic illness and disability on mental and physical health and quality of life both in older adults and their family members.
 - a. Roth, D.L., **Haley, W.E.**, Owen, J.E., Clay, O.J., & Goode, K.T. (2001). Latent growth models of the longitudinal effects of dementia caregiving: A comparison of African-American and White family caregivers. *Psychology and Aging, 16*, 427-436.
 - b. Robb, C., **Haley, W. E.**, Balducci, L., Extermann, M., Perkins, E. A., Small, B. J., & Mortimer, J. (2007). Impact of breast cancer survivorship on quality of life in older women. *Critical Reviews in Oncology/Hematology, 62*(1), 84-91. doi: 10.1016/j.critrevonc.2006.11.003. PMID: 17188505
 - c. **Haley, W. E.**, Roth, D. L., Hovater, M., & Clay, O. J. (2015). Long-term impact of stroke on family caregiver well-being: A population-based case-control study. *Neurology, 84*(13), 1323-1329. doi: 10.1212/WNL.0000000000001430. PMID: PMC4388745
 - d. Roth, D. L., **Haley, W. E.**, Sheehan, O. C., Huang, J., Chung, S., Rhodes, J. D., Durda, P., Howard, V. J., Walston, J. D., & Cushman, M. (in press). The transition to family caregiving and its effect on biomarkers of inflammation. *Proceedings of the National Academy of Sciences*.
2. As a clinical psychologist, I have long been interested in **developing and assessing the impact of psychosocial interventions for older adults and their family caregivers**. I was Co-PI, with Dr. Louis Burgio as PI, on the Birmingham site of the multisite REACH study of caregiving interventions. This project has had a major impact on the field of caregiver intervention research, and used exemplary means of training interventionists and assuring and assessing treatment implementation. Through this work, I gained experience in these methods and also served on the REACH Measurement Committee which focused on identifying appropriate outcomes for caregiver intervention that were appropriately sensitive to change. One of our publications focused on the efficacy of culturally modified interventions for White and African-American dementia caregivers (Burgio et al., 2003). I have subsequently collaborated with several research teams in developing and evaluating caregiver interventions. In collaboration with Dr. Susan McMillan, we developed a problem-solving intervention, COPE, that proved effective with highly stressed family caregivers of terminally ill hospice patients and family caregivers (McMillan et al., 2006). I played a major role in developing and writing treatment manuals for COPE and a control condition (emotional support), and in developing and implementing methods for training interventionists and assessing treatment implementation. I have also collaborated, along with my colleague Dr. David Roth, with Dr. Mary Mittelman who led the NYU Caregiver intervention program. Among many publications with this group, I was lead author on a paper (Haley et al., 2008) that evaluated the impact of the NYU caregiver intervention over the long course of dementia caregiving, including bereavement. Our finding that early dementia caregiver intervention improves long-term outcomes for caregivers, even after the death of the care recipient, is a key demonstration of the potential long-term benefits of interventions for dementia caregivers. I also continued my collaboration in palliative care with Dr. McMillan's team, focused on efficacy of intervention for family caregivers of patients with heart failure (McMillan et al., 2013). I am involved in ongoing intervention research focused on music interventions for people with dementia and their caregivers, and improving end-of-life care for residents of Assisted Living with dementia. In summary, I have made important contributions to the development of evidence-based interventions for family caregivers across several illness conditions and with different interventions.

- a. Burgio, L., Stevens, A., Guy, D., Roth, D. L., & **Haley, W. E.** (2003). Impact of two psychosocial interventions on White and African American family caregivers of individuals with dementia. *The Gerontologist*, 43(4), 568-579. DOI: 10.1093/geront/43.4.568. PMID: PMC2579272
 - b. McMillan, S. C., Small, B. J., Weitzner, M., Schonwetter, R., Tittle, M., Moody, L., & **Haley, W. E.** (2006). Impact of coping skills intervention with family caregivers of hospice patients with cancer: A randomized clinical trial. *Cancer*, 106(1), 214-222. doi: 10.1002/cncr.21567. PMID: 16329131
 - c. **Haley, W. E.**, Bergman, E. J., Roth, D. L., McVie, T., Gaugler, J. E., & Mittelman, M. S. (2008). Long-term effects of bereavement and caregiver intervention on dementia caregiver depressive symptoms. *The Gerontologist*, 48(6) 732-740. doi: 10.1093/geront/48.6.732. PMID: PMC2846300
 - d. McMillan, S. C., Small, B. J., **Haley, W. E.**, Zambroski, C., & Buck, H. G. (2013). The COPE intervention for caregivers of patients with heart failure: An adapted intervention. *The Journal of Hospice and Palliative Nursing*, 15(4), 196-206. doi: 10.1097/NJH.0b013e31827777fb. PMID: PMC3839669
3. I have had a major focus on developing and testing stress and coping models in the context of chronic illness, and addressing issues of cultural diversity and disparities. People with chronic illness and their family caregivers often face considerable stress. It is important to develop theoretical frameworks that can improve our understanding of the mechanisms involved in successful and unsuccessful efforts to cope with such stress, and in particular to identify factors that are amenable to psychosocial interventions. Inspired by the work of Richard Lazarus and Susan Folkman, I was lead author on a paper published in 1987 that presented one of the first stress process models of family caregiving (Haley et al., 1987). This model highlighted the importance of separating caregiving stressors from subjective appraisals of stress, and of assessing internal and external resources in understanding caregiver outcomes such as depression and health. This stress process model has been widely cited and was identified as the most widely cited paper in the first 20 years of the journal *Psychology and Aging*. In a subsequent paper published with my long-time collaborator Dr. David Roth, we showed that this stress process model was useful in explaining differences in caregiver depression between White and African American families, highlighting the key role of subjective appraisals of caregiving stress (Haley et al., 1996). As a further example, we used the stress process model to understand individual differences in mental and physical health among older breast cancer survivors (Perkins et al., 2007). A recent paper further applied stress process model to understanding well-being in breast cancer patients (Badana et al., 2019). In summary, my work has been important in encouraging theoretically based approaches to understanding how patients and families cope with a variety of chronic illnesses, and how these variables may help understand and explain racial/ethnic differences in patient and caregiver well-being.
- a. **Haley, W. E.**, Levine, E. G., Brown, S. L., & Bartolucci, A. A. (1987). Stress, appraisal, coping, and social support as predictors of adaptational outcome among dementia caregivers. *Psychology and Aging*, 2(4), 323-330. doi: 10.1037//0882-7974.2.4.323. PMID: 3268224
 - b. **Haley, W. E.**, Roth, D. L., Coleton, M. I., Ford, G. R., West, C. A., Collins, R. P., & Isobe, T. L. (1996). Appraisal, coping, and social support as mediators of well-being in Black and White family caregivers of patients with Alzheimer's disease. *Journal of Consulting and Clinical Psychology*, 64(1), 121-129. DOI: 10.1037//0022-006x.64.1.121. PMID: 8907091
 - c. Perkins, E. A., Small, B. J., Balducci, L., Extermann, M., & Robb, C., & **Haley, W. E.** (2007). Individual differences in well-being in older breast cancer survivors. *Critical Reviews in Oncology/Hematology*, 62(1), 74-83. doi: 10.1016/j.critrevonc.2006.11.002. PMID: PMC1911161
 - d. Badana, A. N. S., Marino, V. R., Templeman, M., McMillan, S., Tofthagen, C. S., Small, B. J., & **Haley, W. E.** (2019). Understanding the roles of patient symptoms and subjective appraisals in well-being among breast cancer patients. *Supportive Care in Cancer*, 27, 4245-4252. doi.org/10.1007/s00520-019-04707-2

Complete List of Published Work in MyBibliography:

<http://www.ncbi.nlm.nih.gov/myncbi/browse/collection/41156291/?sort=date&direction=ascending>

D. Research Support

Ongoing Research Support

NIH-NIA; 1RF1AG050609-01A1 Roth (PI)

06/01/2016 – 05/31/2021

Transitions to Family Caregiving and its Impact on Health Indicators

This project examines the impact of caregiving among dementia and nondementia caregivers, compared with matched noncaregiving controls, on health indicators including biomarkers of immune system functioning and inflammation, and self-reports of health and well-being. The project also examines whether effects differ for White and African American caregivers.

Role: Site PI

FL Department of Health; 9AZ26 Dobbs (PI)

04/04/2019 – 02/28/2021

Ed and Ethel Moore Alzheimer's Disease Research Program

Palliative Care Education in Assisted Living for Care Providers of Persons with Dementia.

This project evaluates the effectiveness of an intervention for nursing staff in Assisted Living Facilities, aimed at enhancing staff skills in identifying residents with dementia in need of Advance Care Planning and implementing these plans. The project assesses whether the intervention improves utilization of Advanced Care Plans, formal designation of a decision maker, referral to hospice, and pain management.

Role: Co-Investigator

Completed Research Support

NIH-NINDS; 5R01NS075047-06 Roth (PI)

09/01/2011 – 06/30/2017

Caregiving and Health Care Utilization after Stroke among Medicare Beneficiaries

This project examined the longitudinal impact of stroke on White and African American stroke survivors and family caregivers recruited through collaboration with the REGARDS study, a large, population based, prospective study of stroke.

Role: Site PI