



NIEFE - Report on Research Initiatives

Angela Ghesquiere, PhD, MSW

Research Scientist

Brookdale Center for Healthy Aging

Hunter College of the City University of New York

Jason Burnett, PhD

Assistant Professor

Co-Director of The Texas Elder Abuse &

Mistreatment Institute (TEAM), McGovern Medical School,

The University of Texas Health Science Center at Houston

Dept. of Internal Medicine, Division of Geriatric and Palliative Medicine

Research Team

- **Jason Burnett, PhD**
Department of Geriatric and Palliative Medicine of the University of Texas Health Science Center at Houston
- **Angela Ghesquiere, PhD, MSW**
Brookdale Center for Healthy Aging of Hunter College of the City University of New York
- *Consultation with:*
 - **Carmel B. Dyer, M.D., A.G.S.F., F.A.C.P** (University of Texas Health Science Center at Houston)
 - **Daniel S. Gardner** (Brookdale Center for Healthy Aging and Hunter Silberman School of Social Work)
 - **Theresa Montini, PhD** (Brookdale Center for Healthy Aging)

NIEFE history

- Partnership between NAPSA, the Brookdale Center, University of Texas, and others
- Held “Planning Retreat” in July, 2015
- In-person at Hunter College
- Hosted by previous Brookdale Director, Jean Callahan, JD
- About 20 attendees
- Brainstormed future directions using concept mapping

Priority areas for research identified

- Reliable estimates of prevalence of financial exploitation
- Reliable estimates of cost of financial exploitation
- Better understanding of risks
- Understanding health consequences (e.g. mortality)
- Assessing financial capacity
- Interventions for financial exploitation
- National clearinghouse



Publications to date related to FE

- Dr. Burnett has written:
 - Burnett, J. P., Jackson, S. L. P., Sinha, A. K. M., Aschenbrenner, A. R. B. M., Murphy, K. P. P., Xia, R. P., & Diamond, P. M. P. (2016). Five-year all-cause mortality rates across five categories of substantiated elder abuse occurring in the community. *Journal of Elder Abuse and Neglect*, 1-17.
 - Reyes-Ortiz, C.A., Dyer, C., & Burnett, J. (2016). Differences by ethnicity among victims of emotional or physical abuse and exploitation. *Journal of the American Geriatrics Society*, 64, S169.
- Dr. Ghesquiere and Dr. Burnett are co-authoring:
 - Ghesquiere, A.R., McAfee, C., Burnett, J. (Under review). Measures of financial capacity: A review. *The Gerontologist*.
 - A systematic review of the risks for and outcomes of financial exploitation

Grant submissions

- Considered NIJ application, “Elder Abuse Prevention Demonstration Project” but did not submit
 - Only 2 awards
 - Wanted a focused intervention to prevent elder abuse in a large health system
- Submitted application to Alzheimer’s Association



Alzheimer's Association Application

- Pilot a daily money management (DMM) program, for adults with early-stage dementia who have financial capacity but anticipate decline.
- Program previously developed and piloted for older adults throughout NYC by Brookdale
- Adapt existing materials to meet the population's unique risks, with input from providers, older adults, and caregivers
- Train providers at 4 Alzheimer's service organizations in New York and Texas to supplement existing programs with the daily money management program

Application Specific Aims

After refining the DMM program for those with early-stage dementia, we will pilot test to:

- **Aim 1:** Determine the feasibility of integrating the DMM program in routine practice with enrolled adults with early-stage dementia, their caregivers, and trained Alzheimer's service providers.
- **Aim 2:** Evaluate if DMM participation is associated with maintenance or improvement of money management skills and decreased incidence of financial exploitation.
- **Aim 3:** Estimate the total cost of delivering the DMM program and any cost savings.

NIJ-funded project at UT

- Using statewide data of victim, perpetrator and community level variables, **creating web-based prediction algorithms for financial exploitation and its subtypes**
- Using machine learning to model the occurrence of financial exploitation.
- This approach allows for the same variables to be both risk and protective factors depending on other factors within the sociocultural context
- Correct classification is important given the potential harmful outcomes

NIJ project (cont.)

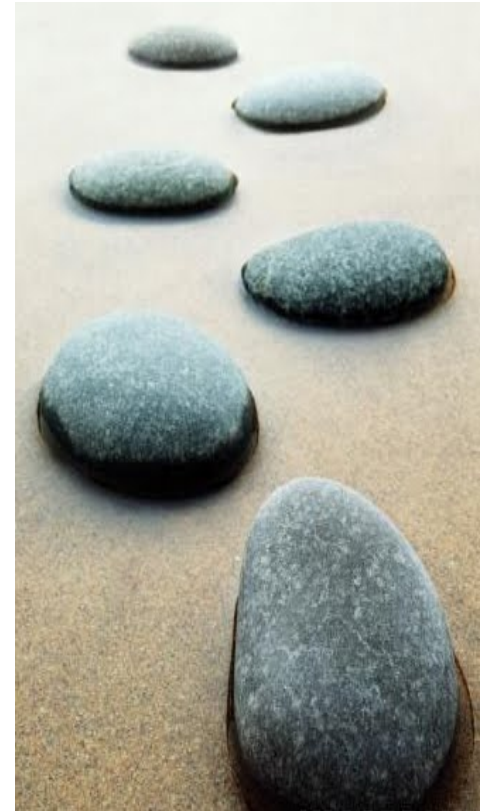
- Strategy was to predict:
 1. Any abuse versus no abuse
 2. FE only versus all other types of abuse
 3. Pure FE versus Hybrid FE
- Method was successful at improving even the best fitting prediction models of elder FE and its subtypes
- Even when there were many more hybrid FE than pure FE, were able to improve the accuracy of prediction
- Submitting a paper to the *American Journal of Public Health* in September

Other possible grant ideas

- Educational interventions (general public education)
- Partnering with banks to use data analytics to detect possible financial exploitation
- Training APS workers
- Partnership with police
- Replicate FE prevention and intervention program by SeniorSource in Dallas

Next steps

- Submit Daily Money Management grant to National Institute on Aging
- Continue pursuing grant opportunities
- Continue co-authoring publications
- Explore NEIFE being a clearinghouse for financial exploitation data



Questions? Recommendations?

- Other areas of research?
- Articles to write?
- Funding?
- Other audiences to reach?



Contact Information

Angela Ghesquiere, PhD, MSW

agl428@hunter.cuny.edu

(212) 396-7838

www.brookdale.org

Jason Burnett, PhD

Jason.Burnett@uth.tmc.edu

(713) 873-4685

<https://med.uth.edu/internalmedicine/>