NIEFE - Report on Research Initiatives

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Research Team

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- **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:

- Dr. Ghesquiere and Dr. Burnett are co-authoring:
  - 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?
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