Communication, coping behavior outcomes, and Alzheimer's caregiver stress

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AND EVERYONE RUSHES TO HELP...

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Abstract

Family members are taking more ownership in the caregiving process for the more than 5.4 million people in the U.S. who are living with Alzheimer's disease (CDC, 2016; AA, 2017). However, many are not trained or progressible progressive disease. challenges of Alzheimer's disease care (Roth et al., 2005). Examining Alzheimer's disease (AD) caregivers (*N* = 160) from the Caregiving in the U.S. 2015 data set from the National Alliance for Caregiving and AARP (2015) unveiled variables for a multivariate quantitative examination of caregiver stress. Findings indicate that current healthcare provider AD caregiver stress interventions.

Introduction

As the number of AD patients increases, a lack of care facilities emerges, and costs grow beyond individual resources; family for the challenges they will face. Caregiving is described as the act of providing physical, emotional, psychological, and social support to another individual (Teper & Hughes, 2010). Often, a caregiver can be an unpaid spouse, family member, or friend. These lay caregivers, provide unpaid care estimated at 18.2 billion hours in the U.S. (AA, 2017). Lay caregiving can carry many advantages for families and patients including social and economic benefits. However, it also can negatively impact caregivers resulting in emotional stress, social withdrawal, physical strain, and psychological issues. Negative outcomes of caregiving are associated with the physical and psychological demands of giving care, and difficulty of balancing identities and roles (Miller, et al., 2008). Demands of AD caregivers are not only handling self-care needs (bathing, continence, feeding) but also patient behavior problems (agitation, wandering). Self-care needs impose physical demands on the caregiver, but can often be managed Behavioral problems, however, create greater stress for the caregiver since they are less predictable and harder to control (Goode, et al., 1998).

Purpose

Caregiver stress theory (Tsai, 2003), ways of coping (Lazarus and

- RQ2c: How does having plans in place for the caregiver's own future care influence level of emotional stress?
 RQ2d: How does acknowledging a need for more information or help to manage challenging behaviors influence level of burden?
- RQ2e: How does the caregiver acknowledging a need for more help or information to manage his/her own emotional and



Procedure and Measures

Data were collected from a larger quantitative online cross-sectional research study conducted in 2014 with 1,248 participants. AD and dementia caregivers (*N* = 160) were selected from the 2015 *Caregiving in the U.S.* data set from the National Alliance for Caregiving and AARP.

evaluating the caregiver issues. One dependent variable evaluating the caregiver issues. One dependent variable, caregiver stress, was measured in level of physical strain and emotional stress. Thus, Physical Strain + Emotional Stress = Caregiver Stress (α = .77, M = 2.99, SD = 1.08). Another dependent variable is *burden*. The dependent variables were operationalized using the following Likert-type single item much of a strain (M = 2.62, SD = 1.19). Emotional stress was measured as (1) not at all stressful, to (5) very stressful (M = 3.38, SD = 1.21). Burden was measured both on scale of (1) low to (5) high (M = 3.11, SD = 1.50)

care and the use of coping strategies. Length of time was assessed by an ordinal level scale measure with range options. Problem and emotion-focused coping strategies were identified in the study with single item questions addressing interpersonal support and intrapersonal coping.

Measures

Results RQ1 - RQ2c

statistically significant, there was a small positive correlation between length of time providing care and caregiver stress [rho (n = 155) = .118, p > .05].

Table 1. Pearson's Product Moment Correlations for Study Variables (n = 154)						
	М	SD	1	2	3	4
Caregiver Stress (1)	3.00	1.08				
Burden (2)	3.09	1.50	.25**			
Physical Strain (3)	2.62	1.20	.90**	.32**		
Emotional Stress (4)	3.38	1.21	.90**	.14*	.63**	
Length of Time Providing Care (5)	3.91	1.01	.12	02	.04	.17*
"Correlation is significant at the .01 level (1-tailed). "Correlation is significant at the .05 level (1-tailed)						

Independent-samples t-tests were conducted to answer the remaining RQs. Each RQ addressed yes/no question

needs' (yes/no), this influenced the level of emotional stress It (152) = 2.15, p = .03, d = .411. There was a significant professional asking them what they needed (M = 3.77, SD = 1.22) and those that reported not being asked what they need for self care (M = 3.28, SD = 1.19). Although statistically RQ2b: Use of respite service (ves/no) did not influence level of burden [t(152) = .823, p > .05]. There was not a a respite service (M = 3.28, SD = 1.55) and those that reported not using a respite service (M = 3.06, SD = 1.47) RQ2c: Caregivers having plans in place for their own future care (yes/no) did not influence the level of emotional stress [t(151) = -1.765, p = .08]. There was not a significant difference between individuals that reported having plans in place for their own future care (M = 3.23, SD = 1.15) and those not having plans in place (M = 3.58, SD = 1.27).



Results RQ2d - RQ2e

RQ2d: Caregivers acknowledging a need for help to manage challenging patient behavior (yes/no) did influence the level of emotional stress [f(152) = 4.44, p < .0001, d = .73]. There emotional stress [t (152) = 4.44, p < .0001, d = .73]. There was a significant difference between individuals that reported a need for help to manage challenging patient behavior (M = 3.69, SD = 1.36) and those that reported not needing help to manage challenging patient behavior (M = 2.67, SD = 1.45). The magnitude of the difference was medium.

RQ2e: Caregivers acknowledging a need (yes/no) for more help to manage their own emotional/physical stress influenced caregiver stress, as measured by the caregiver stress scale [t (151) = 5.58, p < .0001, d = .90]. There was a significant difference between individuals that reported asking for help to

Discussion

caregivers reported having plans in place for their own future care Caregivers who reported acknowledging a need for help to manage challenging patient behavior resulted in significantly greater levels of burden. Caregivers who reported acknowledging a need for help to manage their own emotional and physical stress resulted in significantly greater caregiver stress.

Conclusion

Results indicate that current healthcare provider communication practices and coping strategies used by caregivers are significantly associated with increased levels of stress and burden. These findings could be used to help create caregivers overwhelmingly felt unprepared for the task of caregiving. Health communication scholarship should examine ways that preparedness training could be developed and implemented in a feasible manner for lay caregivers. Findings can also inform future studies of AD lay caregiver stress. Future research can include measures such as Cohen's Perceived Stress Scale (1988). Practical implications of this examination of communication practices can help inform healthcare professionals and AD organizations in understanding ways to better meet the needs of patients and their family member lay caregivers.

References