



CARING FOR DEMENTIA PATIENTS IN CYPRUS

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RESEARCH EVIDENCE FROM THE FAMILY PERSPECTIVE

Research informs practice and contributes to the formulation of policy





THE CHALLENGE

 A 2012 report by the World Health Organisation recognised that dementia is a global health challenge and called on countries to recognise this challenge and include dementia in public health planning.



WHY DEMENTIA IS A CHALLENGE?

- Currently estimated at 35.6 million
 This number will double by 2030 at than triple by 2050
- More than 6 million people with dementia in Europe
- A significant public health challenge because of:
 - The high global prevalence
 - Economic impact on families, caregivers and communities
 - The associated stigma and social exclusion

THE EVIDENCE

- The majority of people with dementia live in the community (70% to 81%) and for approximately 75% of these individuals, care is provided by family and friends
- Effects of caring
 - Increased risk of stress, burden and psychiatric morbidity in the form of depression
 - subjective wellbeing, physical health and quality of life is significantly lower, in dementia caregivers than in other caregivers

THEORETICAL BACKGROUND

- FACTORS LEADING TO CAREGIVER STRESS
- Poulshock and Deimling model
 - burden of care can be
 exacerbated by
 behavioral
 disturbances of the
 care-receiver
 - or ameliorated by support and mature coping



The Pearlin and colleagues' model (1990)

FACTORS LEADING TO CAREGIVER STRESS

The background context (level of support and impact of other life events)

Intrapsychic strains such as personality, competence, and role captivity of the caregiver

role
strains
such as
family
conflict
and social
life

The primary stressors of the illness (the level of help required by the patient, behavioral and psychological problems in dementia)

THE CY PROFILE



- Population:839,751(2011)
 - http://appsso.eurostat.ec.europa.eu/nui/print.do?print=true
- Life expectancy at birth m/f (years) 78/83 is among the highest in the EU
- Age structure
 - 0-14 years: 16.2% (male 93,280/female 88,022)
 15-64 years: 73.4% (male 427,752/female 394,578)
 65 years and over: 10.4%
 - http://www.who.int/countries/cyp/en/
- In Cyprus there are no detailed data on the prevalence of dementia but according to international data the risk of developing dementia according to the age is

65-69 years: 1 in 100

70-79 years: 1 in 25

- 80+ years: 1 in 6

Health systems in transition (European observatory 2012)

DEMENTIA IN CYPRUS

- A growing challenge since it affects the lives of a great number of Cypriots, who either suffer from this disease or care for someone who does.
- 14,000 persons older than 60 years suffer from different types of dementia
- The number of these cases is expected to expand rapidly in the coming years, thus increasing the burden the disease places on individuals and families.
- Less appreciated are the economic impact and the pressure for the health system and society in general, which will only increase as the prevalence rates of dementia rise.



GERONTOLOGICAL CARE IN CYPRUS

- The family as the primary caregiver
- Residential care
- Government geriatric homes
- Old people's homes
 - Private
 - Municipalities
- Community care (day center)
- Home care
- Voluntary organizations care



THE NATIONAL STRATEGIC PLAN FOR DEMENTIA

- Developed by the Multidisciplinary Committee for Alzheimer's and related dementias
- Consisted of professionals, academics, patients organisations
- To be submitted to the ministry of Health shortly



RESEARCH FOR THE ELDERLY IN CYPRUS









RESEARCH PROJECTS

- The social aspects of ageing in Cyprus
 - Positive (family support, increased social network) and negative aspects (ageism, lack of information and communication from the health care agencies) (Fellas C., 2009)
- Evaluation of home care nursing for the elderly in Cyprus
 - Type of care and work framework (care, counselling, promotion of self-care) (Kouta Ch. 2009)

FAMILY CARE IN THE CYPRUS CULTURE

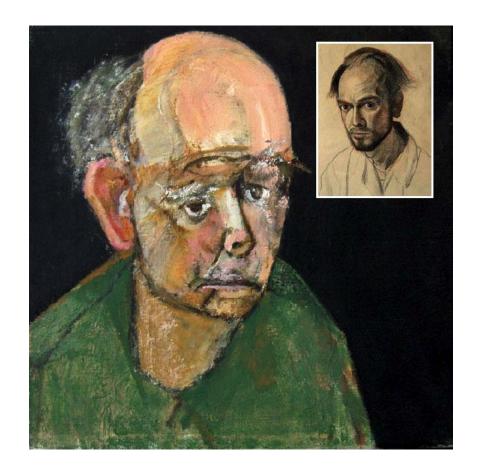
- Strong bonds, culture and filial obligation
- Parental responsibility based on ancient Greek cultural and traditional roots
- The Aeneas myth



DEMENTIA CARE

- 2003-2005
- Partners:
- University of Athens
- Cyprus institute of neurology and genetics
- Ministry of Health
- Funding:





THE STUDY

AIMS:

- To explore the level of caregiver burden in the care of dementia and possible causes of burden
- To assess the psychiatric morbidity of caregivers
- To compare the level of burden and psychiatric morbidity of caregivers of patients cared in institutions and those cared at home.
- To investigate which coping strategies are employed by the caregivers so as to cope with the hardships of care

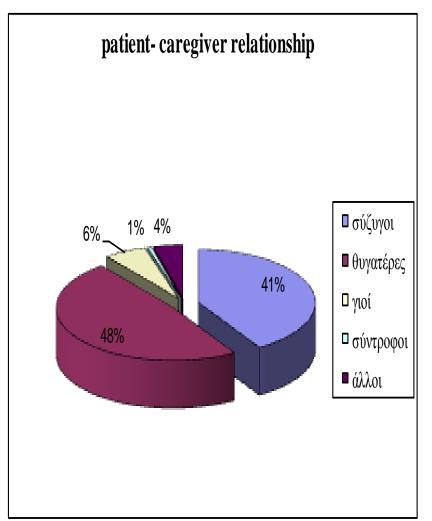
PARTICIPANTS:

172 patient-caregiver dyads.

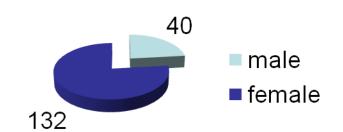
METHODS

- Patients diagnosed with dementia irrespective the cause. Primary caregivers were named by the family. Inclusion criteria: speak Greek, physically and mentally fit to undertake a caregiver role
- Instruments (translated and validated in Greek):
 - ZBI (Care giver Burden)
 - MBPC (Patient memory and behaviour problems)
 - CES-D (Depression)
 - WCQ (Ways of coping)

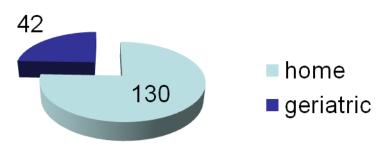
THE SAMPLE



gender



Place of residence



CAREGIVER BURDEN

- 68.2% burden>44,
 - Personal strain
 - Social deprivation
- No difference in burden and place of residence (home or geriatric care)
- Correlations
 - Patient behavioural problems (r=0,54)
 - More stressful: Aggressive behaviour (r=0,44)
 - Least stressfull: Memory problems low correlation (r=0,22)

PSYCHIATRIC MORBIDITY

- Depression
 - Mean=18,8 (cut-off point=16)
- Caregivers with burden>44, scored 20.9
- Correlations (r=0.57, level of significance= 0.01):
 - Burden (Personal strain (0,56) Relational deprivation (0,51) and role strain (0.47)
 - NO significant correlation with place of residence and kinship

COPING WITH THE STRESSORS OF CARE

- Dimensions
 - Positive approaches
 - Seeking for help
 - Wishful thinking
 - Assertiveness
- Burden is negatively related with positive approaches (r=-0,20).
- High burdened relatives use more wishful thinking (r=0,16).

SUMMARY OF THE RESULTS

- High levels of caregiver burden and depression
- Burden is related to patient behavioural problems

IAN ORIGINAL RESEARCH

Caring for a relative with dementia: family caregiver burden

Evridiki Papastavrou, Athena Kalokerinou, Savvas S. Papacostas, Haritini Tsangari & Panagiota Sourtzi

Accepted for publication 19 January 2007

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Correspondence to Evridiki Papastavrou: e-mail: papastavroue@cytanet.com.cy PAPASTAVROU E., KALOKERINOU A., PAPACOSTAS S.S., TSANGARI H. & SOURTZI P. (2007) Caring for a relative with dementia: family caregiver burden. Journal of Advanced Nursing 58(5), 446–457 doi: 10.1111/j.1365-2648.2007.04250.x

Abstract

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Title. Caring for a relative with dementia: family caregiver burden

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HSJ - HEALTH SCIENCE JOURNAL ©

GENDER ISSUES IN CARING FOR DEMENTED RELATIVES

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Volume 3, Issue 1 (2009)

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Abstract

Background: The burden of providing care for dementia patients falls increasingly upon families and it has been identified as a chronic stressor that places family members at risk for physical and emotional problems.

Aims: To explore family burden in the care of patients with dementia in Cyprus and to look at gender differences in the area of caregiving and its consequences like burden, psychiatric morbidity and coping with caregiving difficulties.

Methods:This is a cross-sectional study, with a sample of 172 primary caregivers. The questionnaire included the (Memory and Behavior Problem Checklist, the Zarit Burden Interview, the Center of Epidemiological Studies Depression scale, and the Ways of Coping Questionnaire. Several statistical methods were used for data analysis, such as independent samples t-tests. One-way ANOVA, ohi-square tests of independence, reliability studies and factor analysis. Results:The analysis revealed gender differences in the overall burden (p-value=0.048) and

depression (p-value=0.011) where female caregivers experience higher levels compared to males. Women had a higher mean of burden in the questions included in relational deprivation (10.44 compared to 8.47 for men) and this difference is statistically significant (p=0.02). One-way ANOVA showed that, according to kinchip, there exist some highly significant differences in burden (P=5.17, p=0.037) with the sons being less affected by the consequences of caregiving. Regarding the ways of coping, women use mostly emotional-focused strategies like denial (p=0.09).

Conclusions: The results of this study confirm gender differences for dementia family caregivers as regards burden and depression. The study clearly indicates the need for programs to help relieve the vulnerable caregivers especially in the area of coping so to alleviate the harmful effects of caregiving.

Keywords: Caregiving, burden, dementia, coping, gender

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SUMMARY OF THE RESULTS

- Highly burdened relatives use emotion focused coping strategies
- No difference in level of burden and depression found when patients live in the community or institutions



Aging & Mental Health

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Caring and coping: The dementia caregivers

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Available online: 03 May 20

ΕΙΔΙΚΟ ΑΡΘΡΟ

Η αξιοπιστία και εγκυρότητα της κλίμακας της επιβάρυνσης (Zarit burden interview) σε Ελληνοκυπρίους φροντιστές ασθενών με άνοια

Mamkeons (Eyok) Rimper, Rimper,

Αθηνά Καλοκαιρινού-Αναγνωστοπούλοι

Γιώργος Αλεβιζόπουλος Διδάκτωρ Σατρικής, Σπίκουρος Καθηγητής, Τμήμα Νοσηλαντικής, ΣΚΙΙΑ Αθήνα

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Χαριτίνη Τοαγκάρη

Ελληνικό Καποδιστριακό Πανεπιστήμιο Αθηνών

SPECIAL ARTICLE

The validity and reliability of the Zarit burden interview in Greek Cypriot carers of patients with dementia

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DEMENTIA CARING IN THE CONTEXT OF SOCIAL CAPITAL IN COMPANDA CONTEXT OF SOCIAL CAPITAL IN

• (2010-2012)

- Collaboration
- Cyprus University of Technology
- Ministry of Health
- Cyprus Institute of Neurology and Genetics







AIMS OF THE STUDY

To explore caregivers' quality of life as it is related to the level of care burden, mental health and patient dependency

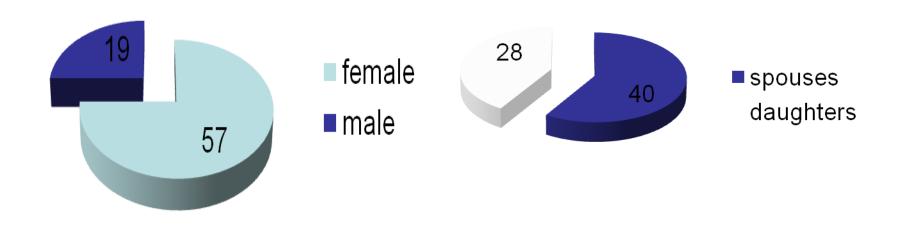


MATERIAL AND METHODS

- Care givers (76)
 - Caring for their relative at home
 - Primary care giver as nominated by the family
 - Absence of mental or physical disability that might affect their capacity to care
 - Able to speak Greek
- Measuring instruments
 - ZBI
 - CES-D: The Center for Epidemiological Studies Depression Scale
 - Quality of Life Quality of Life Alzheimer's Disease
 - The Activities of daily living

kinship

caregiver's gender



QUALITY OF LIFE

- The mean value of the QoL-AD was M= 30.89, SD= 8.21 (range 13-52)
- The highest rating was given for the item quality of life related to family (M=2.86, SD=0.84)
- The lowest for the ability to do things that are **enjoyable** to them (M=1.96, SD=1.05).

BURDEN AND DEPRESSION

- 60% of the participants had scores over 44 (cut-off point).
 - the factor with the highest mean was "personal strain" M=19.22 (SD=7.58)
 - The question with the highest mean was the "do you feel your relative is dependent on you?" M= 3.47 (SD=0.99)
- 59.2% of the participants had scores of 16 or over (cut-off point) meaning symptoms of clinical depression. The mean value for the CES-D was found M= 19.25, SD: 11.56.

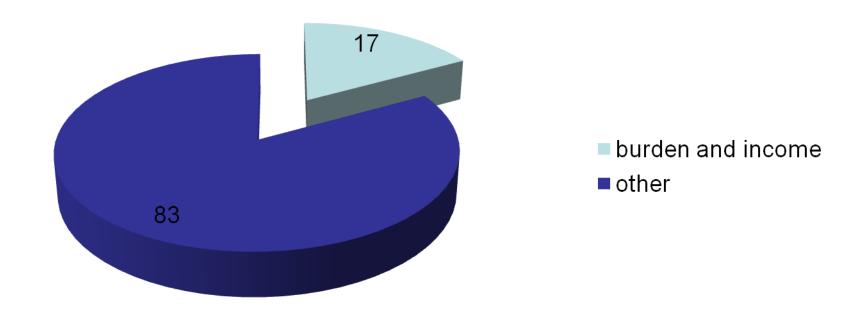
QOL CORRELATIONS

- Significant negative correlation between Quality of Life of caregivers and overall burden (r = -0.32, p<0.01),
- 45 caregivers with high depression levels (scores of ≥16) had lower scores on Quality of Life
- There is no evidence that QoL of caregivers was correlated to the activities of daily living of patients (r = 0.167, p=0.15).

CNO-CYPRUS PRESIDENCY-2012

PREDICTORS OF QOL

predictors



DISCUSSION

- Burden similar to the level 8 years ago
 - Need to develop community nursing and home care
 - Need for more interdisciplinary collaboration (e.g. physicia
 - ns, social workers)
- Quality of life predicted by burden and income.
 - Reducing burden and increasing financial support will increase quality of life

IMPLICATIONS

Practice:

 The results are expected to be a resource that will facilitate policy-makers to address the impact of dementia as an increasing threat to global health.

Research:

- More studies to inform practice

Education

Evidence based, critical thinking and sensitive practitioners

POLICY IMPLICATIONS

 The study aims to encourage country preparedness by strengthening or developing policy which enhance dementia care in order to improve the social well-being and quality of life of those living with dementia and their caregivers.

