Evaluation of depressive symptoms in older caregivers

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Abstract

Background: The number of older caregivers is getting bigger and it is important to know if they experience depressive symptoms because there can be consequences for both caregiver and care recipient. Objective: To analyze the recent publications related to the assessment of depressive symptoms in elderly caregivers. Methods: Lilacs and PubMed databases were reviewed associating the descriptors “caregivers” AND “aged” AND “depression”. Inclusion criteria were texts including primary data in Portuguese, Spanish or English, published between 2009-2013, also data which evaluated elderly caregivers (≥ 60) and depression or depressive symptoms. There were found n = 1129 texts and after applying the inclusion criteria n = 17 were selected and analyzed. Results: Geriatric Depressive Scale (30 and -15 items) and Center for Epidemiologic Studies Depression scale were the most used scales to evaluate depressive symptoms in older caregivers. Caregivers were in the most of the cases female and cared for a family member with dementia. The majority of the texts that compared older caregivers to older non-caregivers found that caregivers had more depressive symptoms. Discussion: Early identification of depressive symptoms can help professionals to minimize damage in caregivers and in care recipient and to plan interventions focusing on improving quality of life of this specific caregiver group.

Introduction

The world is passing through a population aging phenomenon, which means a substantial increase in the number of elders in global population. In 1950 elderly people represented 8% of global population and were 202 million in number; by 2013, the percentage increased to 12% and reached 841 million. Projection to 2050 says this number will exceed two billion of elders in world; and by 2047, elderly people (more than 60 years old) will outnumber the children (less than 15 years old)1.

Regarding elderly people, approximately 29% are living only with a spouse, and this number is bigger considering only the more developed regions. In less developed regions, multigenerational arrangements are more common, due the available resources to sustain the whole family.

Considering these factors, an elderly person at home is an eligible person to be an informal caregiver of another one who lives in the same house especially his/her spouse, dependent children or grandchildren.

In United States, in 2009, it was estimated that 65.7 million of adult population were informal caregivers. Of these, 35% were between 50-64 years old, 9% between 65-74 and 4% 75 or older. These data show that in the next years, with population ageing, there will be a great number of elderly informal caregivers in US, and therefore, in rest of the world.

There are few studies in literature focusing specifically on older caregivers, a population that can have different needs to be elderly and caregiver. Both conditions can cause burden, stress, depression and further implications which can reflect in caregiver and in care recipient.

A published meta-analysis identified 168 published papers between 1980 and 2010 to look for differences among three groups of caregivers: spouses, son/daughter and son/daughter in law. They examined data from 28980 caregivers worldwide and showed that spouse caregivers were more likely to have physical and financial burden, also presented more depressive symptoms1.

Depression diagnosis is based on patient and family reports, clinical interview and observation to see if he/she attends criteria for major depressive episode contained in the Diagnostic and Statistical Manual of Mental Disorders (DSM-V). Patient has to report at least one of these two symptoms every day in the last two weeks: depressed mood or loss of interest or pleasure in activities for most of the day. Additionally, patient has to report at least more three or four (depending if he/she reported one or both aforementioned symptoms) of following: significant loss or gain of weight, increased or decreased appetite; excessive sleep or insomnia; observable psychomotor agitation or retardation; fatigue or loss of energy; feelings of guilt or worthlessness; poor concentration or indecisiveness and recurrent thoughts of death or suicide ideation. The symptoms have to cause decrease and change in previous functioning; and cannot be attributable to medical conditions or substances.

Depression diagnosis in elders is important once this population has different needs and is considerably heterogeneous. There are lots of cases that are sub-threshold depressive symptoms, it is, are threshold to reach diagnosis criteria for depression. Thus, depressive symptoms are important indicators of elders health because they are associated with disability, greater use of health services and higher suicide risk. Early identification can help health professionals to determine their conduct.

There are many instruments used to evaluate depressive symptoms in adult population. Can be mentioned the Center for Epidemiological Studies – Depression Scales (CES-D)10 and Beck Depression Inventory (BDI)11. Specifically to older adult individuals, Geriatric Depressive Scale (GDS)12 was developed aiming to be simple and easy to understand by elderly. All of them were translated and validated in different languages, are used in many countries around the world and some have reduced versions to optimize time spent in their application. Beyond these, there are a huge variety of instruments used worldwide to evaluate depressive symptoms.

The current review aimed to analyze recent publications related to the assessment of depressive symptoms in elderly.
Methods

To meet the aim of the study it was used the integrative literature review method.

This method consists in selecting, analyzing, and synthesizing researches related to a specific literature topic, aiming to improve professional practice and to fill literature gaps.

The literature review comprises six steps: 1) identify the theme and research question; 2) determine inclusion and exclusion criteria; 3) data collection (select, summarize and organize information); 4) evaluation of manuscripts included in the review; 5) interpretation of results and 6) synthesis of knowledge.

Considering aforementioned factors, the main question was: what has been recently produced about older caregivers and evaluation of depressive symptoms?

Regarding to the text selection, an online survey was conducted in two recognized database in South America and worldwide in the health field.

The first one was LILACS (Literatura Latino-Americanam in Ciências da Saúde), using the search strategy contained in DECs (Descritores em Ciências da Saúde): "Aged AND Caregiver AND Depression".

Survey in PubMed database used Mesh terms and their entry terms, resulting in the search strategy: ((Aged) OR (Elderly)) AND ((Caregivers) OR (Caregiver) OR (Care Givers) OR (Care Giver) OR (Carers) OR (Carer) OR (Family Caregivers) OR (Caregiver, Family) OR (Caregivers, Family) OR (Caregiver, Spouse) OR (Caregiver, Spouse)) AND ((Depression) OR (Depressions) OR (Depressive Symptoms) OR (Depressive Symptom) OR (Symptom, Depressive) OR (Symptoms, Depressive) OR (Emotional Depression) OR (Depression, Emotional) OR (Depressions, Emotional) OR (Emotional Depressions)).

In both databases it was used the filter "published in last five years" and "published in English, Portuguese or Spanish".

The manuscripts inclusion criteria were: texts including primary data; published in Brazilian or international journals indexed in Lilacs or PubMed; in one of the three languages mentioned above; in last five years (2009-2013) and evaluated older caregivers (≥ 60 years old) and depression or depressive symptoms.

The research was conducted through February 2014. All abstracts found were read and analyzed to see if they could fulfill the inclusion criteria. After this analysis and selection, full texts were accessed and read to determine if they really fulfilled inclusion criteria. Figure 1 illustrates the way to reach the final sample.

From texts excluded in first step (only by reading the abstract), some of them were excluded because they did not use primary data and some of them because they did not evaluate specifically older caregivers or depression.

The second step (reading of full text), one text of Lilacs search were excluded because it did not evaluate depression or depressive symptoms. In PubMed search, 70 were excluded after reading full text because it did not evaluate specifically older caregivers (n = 62), did not evaluate depression or depressive symptoms (n = 6) or both reason (n = 2).

All 17 manuscripts included in the present review were read and analyzed regarding journal, publication year, University and country of corresponding author, language, aims, measures used to evaluate depression or depressive symptoms and main results and conclusions related to depression/depressive symptoms. Data were summarized and presented in tables and figures. For some variables contained in the articles, it was calculated percentage, mean, standard deviation, median, maximum and minimum.

Results and discussion

Table 1 presents characterization of 17 papers included in present review regarding title; journal and publication year; University and country of corresponding author; aim, measure used to evaluate depressive symptoms and how the results were shown to the reader.

Regarding the publication year, four manuscripts were published in each of the years: 2009, 2010, 2011 and 2013; and only one in 2012. In relation to publication country, the majority of corresponding authors worked for universities located in USA (47.1%), 17.6% in Brazil, 11.7% in Australia; and China, Canada, Sweden and Taiwan wrote one publication each (5.9%).

All analyzed publications were published in different journals and the only university which published two texts included in this review was State University of Campinas (Unicamp), Brazil.

Regarding publication language, 15 (88.3%) were published in English and two (11.7%) in Portuguese.

As shown in table 1, texts analyzed used five different instruments to evaluate depressive symptoms: GDS – 30 and -15 items, CES-D 20 items, BDI, Goldberg anxiety and depression scales – 18 items and DASS short version.

GDS was developed in 1983 by Yesavage et al. In original version, it had 30 items aimed to screening the presence of depressive symptoms in elderly individuals. The Scale consists of 30 “yes” or “no” questions which sum ranges from 0-30 points. In 1986 Sheikh and Yesavage developed the short version of the scale with 15 items. Additional versions were developed and tested, with ten, five and even one question. GDS was translated and validated to more than 30 languages and it is widely used worldwide to evaluate elderly population.

CES-D was elaborated by National Institute of Mental Health (USA) to identify depressive humor in population studies. Measure is consisted by a 20 items self-reported questionnaire varying from 0-3 points each, with a possible total range from 0-60. The cutoff score is 15 points, and scores over 15 indicate depressive symptoms. It was translated and validated to many languages and cultures, and has good consistence indices. CES-D was not developed specifically to be applied in older adults, but it is largely used in general population and in elderly individuals.

BDI was first published in 1961 based on clinical observation of depressed and non-depressed patients and their attitudes and symptoms. They were consolidated in a 21-item scale that can vary from 0-3 in terms of intensity, summing a possible range from 0 to 63. It was revised in 1971 and there is a second version called BDI-II (1996), to reach the updated DSM-IV criteria for depression. It can be applied even in adults or older adults.

Goldberg anxiety and depression scales were developed in 1988 and have two parts, the anxiety and the depression scale, composed by nine items and producing a score from 0-9 each. They access anxiety and depression symptoms in last four weeks and can be applied even in adults or older adults.
<table>
<thead>
<tr>
<th>Title</th>
<th>Journal/Publication Year</th>
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<th>Measure used and how the results were shown</th>
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<tbody>
<tr>
<td>Chronic psychosocial stress: does it modulate immunity to the influenza vaccine in Hong Kong Chinese elderly caregivers?13</td>
<td>AGE 2013</td>
<td>The Chinese University of Hong Kong – China</td>
<td>“Determine whether chronic stress is associated with poorer influenza-specific immune responses to influenza vaccines in Hong Kong Chinese elderly people”13,14,16</td>
<td>GDS-15 Chinese version, mean punctuation in a range of 0-15</td>
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<tr>
<td>Positive affect as associated with fewer sleep problems in older caregivers but not noncaregivers18</td>
<td>Gerontologist 2013</td>
<td>University School of Public Health – USA</td>
<td>Examined “whether the associations of positive affect and depressive symptoms with sleep problems differed between caregivers and noncaregivers”15,16,17,18</td>
<td>CES-D 20 items, cutoff &gt; 15</td>
</tr>
<tr>
<td>Psychosocial and cognitive health differences by caregiver status among older Mexican Americans15</td>
<td>Community Mental Health 2013</td>
<td>University of California – USA</td>
<td>Identify “the risk and protective factors associated with informal caregiving by older (&gt; 70 years) Mexican Americans and profile caregiving arrangements”14,15</td>
<td>CES-D 20 items, cutoff &gt; 15</td>
</tr>
<tr>
<td>Influence of gender, age and income on the well-being of elderly caregivers20</td>
<td>Brazilian Journal of Geriatrics and Gerontology 2013</td>
<td>State University of Campinas – Brazil</td>
<td>“Compare elderly caregivers with non-caregivers regarding their health psychosocial and functional status, and to investigate the influence of socioeconomic variables on these conditions in both groups”19,20,21,22</td>
<td>GDS-15 Brazilian version, cutoff &gt; 5</td>
</tr>
<tr>
<td>Relationships between gender, age, family conditions, physical and mental health, and social isolation of elderly caregivers21</td>
<td>International Psychogeriatrics 2012</td>
<td>State University of Campinas – Brazil</td>
<td>“Investigate the relationship between caregivers’ gender, age, family income, living arrangements and social support as independent variables, and depressive symptoms, comorbidities, level of frailty, grip strength, walking speed and social isolation, as dependent variables”20,21,22,23,24</td>
<td>GDS-15 Brazilian version, cutoff &gt; 5</td>
</tr>
<tr>
<td>Modeling trajectories and transitions: results from the New York University caregiver intervention22</td>
<td>Nursing Research 2011</td>
<td>University of Minnesota – USA</td>
<td>“Estimate the effects of comprehensive psychosocial support on trajectories of spouse caregivers’ well-being related to the nursing home placement transition”22,23,24</td>
<td>GDS-30 items, mean punctuation in a range of 0-30</td>
</tr>
<tr>
<td>Acculturation and depressive symptoms among Mexican American elders new to the caregiving role; results from the Hispanic-EPESE23</td>
<td>Journal of Aging and Health 2011</td>
<td>University of South Florida – USA</td>
<td>“Identify characteristics associated with becoming a caregiver among Mexican American (MA) elders and to examine predictors of depressive symptoms among the new caregivers 2 years later”23,24,25</td>
<td>CES-D 20 items, cutoff &gt; 15</td>
</tr>
<tr>
<td>The relation of pain and caregiver burden in informal older adult caregivers24</td>
<td>Pain Medicine 2011</td>
<td>University of Regina – Canada</td>
<td>“Study the associations between caregiver pain, depression, and caregiver burden in a sample of older adult caregivers”24,25,26,27</td>
<td>GDS-30 items, cutoff &gt; 10</td>
</tr>
<tr>
<td>Childhood Adversity Heightens the Impact of Later-Life Caregiving Stress on Telomere Length and Inflammation25</td>
<td>Psychosomatic Medicine 2011</td>
<td>The Ohio State University College of Medicine – USA</td>
<td>Evaluate “whether childhood abuse and other adversities have lasting, detectable consequences for inflammation and cell aging late in life, and whether the effects are large enough to be discernible beyond that of a major chronic stressor, dementia family caregiving”25,26</td>
<td>CES-D 20 items, did not show the results in numbers</td>
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continuation
DASS was developed in 1995 by Lovibond and Lovibond and is composed by three scales called depression, anxiety and stress. Short version contains a total of 21 questions (seven for each scale) varying from 0-3, totaling a possible range from 0-63. It can be applied in adults in general, including older ones35,36.

According to the referred literature, the majority of caregivers are familiar; spouses, daughters and mothers are the first ones to assume caregiving for persons who are the primary caregiver for their spouses with AD”32:120. It differed in caregivers and noncaregivers while controlling for confounds identified but not controlled in past research”31:1475. By analyzing the articles’ results it was possible to see that 52.9% evaluated only familiar caregiver17,20-22,25,29-32 and in 47.1% caregiver could be even familiar or not18,19,23,24,26-28,33.

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<tr>
<td>Factors that explain the poorer mental health of caregivers: Results from a community survey of older Australians20</td>
<td>Australian &amp; New Zealand Journal of Psychiatry 2010</td>
<td>The Australian National University – Australia</td>
<td>&quot;Identify mediating factors that could provide a basis for intervention and policy options to better support older Australian caregivers”28,31</td>
<td>Goldberg anxiety and depression scales – 18 items, mean punctuation in a range of 0-18</td>
</tr>
<tr>
<td>An evaluation of a wellness guide for older carers living in the community27</td>
<td>Public Health Nursing 2010</td>
<td>Deakin University – Australia</td>
<td>&quot;Assess the usefulness and effectiveness of a wellness guide and to identify whether its use by a group of older &quot;new&quot; carers would make them healthier and knowledgeable of community resources”23,30</td>
<td>DASS short version, mean punctuation in a range of 0-63</td>
</tr>
<tr>
<td>Depression among older Mexican American caregivers20</td>
<td>Cultural Diversity &amp; Ethnic Minority Psychology 2010</td>
<td>Indiana University-Purdue University Indianapolis – USA</td>
<td>&quot;Compare depression levels between older Mexican American caregivers and noncaregivers while controlling for confounds identified but not controlled in past research”</td>
<td>CES-D 20 items, cutoff &gt; 15</td>
</tr>
<tr>
<td>Depression and anxiety in primary caregivers of elderly adults with Alzheimer dementia: case studies20</td>
<td>Interdisciplinary Studies on Aging 2010</td>
<td>Pontifical Catholic University of Rio Grande do Sul – Brazil</td>
<td>&quot;Investigate the occurrence of depression and anxiety in primary caregivers of elderly adults with Alzheimer Dementia”26,31,34</td>
<td>BDI 21 items, did not show the results in numbers</td>
</tr>
<tr>
<td>Collaborative memory intervention in dementia: caregiver participation matters31</td>
<td>Neuropsychological Rehabilitation 2009</td>
<td>University of Umea – Sweden</td>
<td>&quot;Examine the effectiveness of a collaborative memory intervention for persons with dementia and their spousal caregivers, where the couple acquired and practised memory supportive strategies (spaced-retrieval and hierarchical cuing) to learn a face – name association and to set a table for coffee/tea”31,34</td>
<td>BDI 21 items, mean punctuation in a range of 0-63</td>
</tr>
<tr>
<td>Quality of life among older grandparent caregivers: a pilot study29</td>
<td>Journal of Advanced Nursing 2009</td>
<td>National Cheng Kung University – Taiwan</td>
<td>&quot;Compare quality of life and levels of depressive symptoms among older grandparent caregivers and noncaregivers in Taiwan”31:1475</td>
<td>GDS-30 items, did not show the results in numbers</td>
</tr>
<tr>
<td>Effects of cranial electrical stimulation on sleep disturbances, depressive symptoms, and caregiving appraisal in spousal caregivers of persons with Alzheimer’s disease32</td>
<td>Applied Nursing Research 2009</td>
<td>University of Virginia – USA</td>
<td>&quot;Investigate the short-term use of the AlphaStim® CES device on sleep disturbance, depressive symptoms, and subjective appraisal in elderly persons who are the primary caregivers for their spouses with AD”31,32</td>
<td>GDS-30 items, cutoff &gt; 10</td>
</tr>
<tr>
<td>Positive affect and incidence of frailty in elderly women caregivers and noncaregivers: results of Caregiver-Study of Osteoporotic Fractures33</td>
<td>Journal of the American Geriatrics Society 2009</td>
<td>University of Maryland – USA</td>
<td>&quot;Determine whether positive affect is associated with a lower incidence of frailty over 2 years in elderly community-dwelling women and to test the stress-buffering hypothesis by evaluating whether these associations differed in caregivers and noncaregivers”31,34</td>
<td>CES-D 20 items, cutoff &gt; 15</td>
</tr>
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GDS: Geriatric Depressive Scale; CES-D: Center for Epidemiological Studies Scale; DASS: Depression Anxiety Stress Scale; BDI: Beck Depression Inventory.
the caregiving role when a family member needs some assistance. Considering the US caregivers in 2009, 86% were caring for a relative and 14% for a friend, neighbor or non-relative. Caregivers aged 65 or over are more likely to care for a spouse when compared to younger ones.

According to the Administration on Aging, over 90% of elderly people with chronic disabilities received care, and about 65% received only informal care from family or friends.

A general survey conducted in Canada in 2007 showed that the number of caregivers aged 45 and older increased from approximately two million in 2002 to 2.7 million in 2007, and 70% of these caregiver group provided care to a family member. The age limit used to designate caregivers in studies analyzed in present review was in 35.3% of the cases ≥ 60 years and in 29.4% ≥ 65 years. Three texts (17.6%) did not mention any limit, but in results it was possible to see all caregivers were older adults. In one case only caregivers between 64-69 years were included, another case included only caregivers ≥ 70 years and one publication was a case study and included only two participants (72 and 74 years old).

The majority of manuscripts included caregivers who care for someone with Alzheimer Disease (AD) or other type of dementia (35.3%). In 23.5% there were grouped caregivers of people with chronic conditions, limitations in Activities of Daily Living, disability, memory problems and physically frail. 11.7% included caregivers who reported to care for a spouse and/or parents in the past five years; 11.7% who care for someone with AD or physically disabled; two texts (11.7%) who reported became a caregiver recently (called recent caregiver); and one who care for a biological grandchildren.

According the World Health Organization (WHO), the number of people with dementia in world in 2010 was estimated at 35.6 million and it is projected to reach 115.4 million in 2050. These growths has become a challenge once dementia is one of the major causes of disability and has a remarkable impact on family, particularly on primary caregivers. The analyses of caregivers in US in 2009, indicated 22% of care recipients suffering for AD or mental confusion.

Estimations shows that 15-32% of dementia caregivers experience a depressive disorder and nearly a half to three quarters of them are affected by depressive symptoms. The way each AD caregiver experiences these symptoms varies, which highlights the importance to early depressive symptoms identification.

Regarding the number of caregivers in studies analyzed, minimum was 2 (a case study) and the maximum was 3852. Minimum was 129.79 ± 120.84 and median was 92 participants. Previous numbers referred only to caregivers, not considering the manuscripts which evaluated caregiver and noncaregiver groups.

Two articles did not mention demographic characterization of caregiver group (only of the total sample composed by caregivers and noncaregivers) and were not included in following analyses. Considering 15 texts, most of them caregivers were female. The percentage varied from 50% to 100%, and in this last there were only two participants, both female. The mean percentage of female caregivers was 69.56%. Age of caregivers varied in mean from 66.6 to 78.46 years, and the mean of age in the 15 texts included in this analysis was 67.35 years.

Regarding caregiving in US in 2009, 66% were female and in Canada in 2007, percentage was 57%. Of caregivers aged 45 and over, 16% were 65-74 and 8% 75 and older. A meta-analysis of 168 papers found spouse caregivers were on average 69.8 years old and 64.8% were female.

To better illustrate the results of the articles, they were divided in two groups as shown in figure 2.

Texts in which participants were divided in caregiver group and noncaregiver group, corresponded for 58.8% of total and texts in which participants composed only by a caregiver group for 41.2%. The one included a single caregiver group were divided in articles that inside the caregiver group there was at least one intervention group (17.6%) and articles evaluating only one group (23.5%).

![Figure 2. Flowchart of the group division in the articles analyzed.](image)

The presented analysis focuses only on evaluating depressive symptoms contained in the 17 texts included. Manuscripts of present review assessed other aspects of older caregivers, and if it is reader’s interest, articles can be consulted in the reference section.

Ten texts evaluated two groups, one composed by caregivers and one composed by noncaregivers. Six of them found caregiver group had statistically significant more depressive symptoms than noncaregivers. Two texts found higher means in caregiver group, but difference was not statistically different or they were not compared statistically; one manuscript found higher percentage of depressive symptoms in noncaregiver group, but they were not compared; and one found higher percentage in noncaregiver group too, but without significant differences.

The majority of studies included in the present review concluded that older caregivers had statistically more depressive symptoms than older noncaregivers. Consequently, the role of care can lead to important emotional consequences.

A meta-analysis evaluated 84 articles which compared a sample of informal caregivers of older adults to a sample of noncaregivers regarding perceived stress, depression, and other variables. It has found the majority of articles evaluated caregivers of older adults with dementia (63.3%) and included female caregivers (72%), just like found in present study. Additionally, caregivers were more stressed and depressed than noncaregivers.

Considering the aforementioned, some aspects of care need to be accomplished closer by health professionals, because the consequences can be drastic to care recipient and even to caregiver.

Four texts analyzed only a caregiver group. The first concluded that 20.11% of caregivers had depressive symptoms, and in the second percentage was 36%. Third, an article applied DASS short version, with possible range varying from 0-63. The mean of caregivers was 17.9 at baseline and 14.6 four months after, but without significant differences. And finally, the other text was a case study in which one case scored 14, indicating mild to moderate depression; and the other 17, indicating moderate to severe depression in BDI.

One article divided caregivers into two groups: one received a comprehensive psychosocial support and one did not receive. Before intervention, one group scored 10.33 in GDS-30 and other 8.97. Of the total sample, 54.5% of care recipients went to an institution from 5 to 9 years on average. Immediately after institutionalization, depressive symptoms did not show reduction for spouse caregivers.

Another text divided caregivers into three groups: collaborative memory intervention, individual intervention and control. Before intervention the mean was 7.82 in BDI and after 9.18 (p < 0.02) for total sample. Intervention was not responsible for changes in depressive scores. An increase in BDI scores was attributed to the disease progression of care recipient.
One text included only caregivers who had previous indicators of depressive symptoms (scored > 10 in GDS-30 at baseline). A half of caregivers received a cranial electrical stimulation and a half did not. After four weeks of intervention both scores declined to 9.05 in intervention group and 9.45 in nonintervention group in mean, but these differences were not significant.

Lastly, there will be exposed here the mean of caregivers punctuation in scales used to evaluate depressive symptoms and percentage of caregivers that were considered with depressive symptoms. The presented data referred only of texts with this information accessible.

The prevalence of major depression in older adults presented data referred only of texts with this information accessible.

The most used scale was GDS (-30 and -15 versions) and CES-D. A review included 122 articles and related the prevalence of depression and depressive symptoms in old age. It found a variation from 7.2-36% in US when CES-D scale was used. Prevalence of depressive symptoms in European countries range from 14% in France to 49% in Italy, using the same scale. Using other scales, percentage varies from 5% in US to 25% in Spain and even 30% in Italy. The numbers of general elderly population do not differ much from those found in present study.

Conclusion
The present study aimed to analyze recent publications related to evaluation of depressive symptoms in older caregivers. Seventeen already published articles in different journals in gerontology, mental health, psychology, psychiatry, nursing and medicine fields were examined and reviewed. The USA lead publications, but it was possible to note other countries focusing their attention in older caregiver question.

The most used scale was GDS (-30 and -15 versions) and CES-D 20 items. Regarding older caregiver, most were females who cared for a family member with AD or dementia.

The percentage of depressive symptoms was similar to that found in past studies conducted with elderly in general, caregivers or not. But looking to the texts which compared older caregivers to older non-caregivers groups, the majority found older caregivers had more depressive symptoms than non-caregivers.

Results demonstrated older caregiver is a specific group that can have specific needs and require attention and periodic evaluations. Early identification of depressive symptoms can help professionals to minimize damage in caregivers and in care recipient. Results can help health professionals to plan intervention aimed to improve quality of life of this population.

References


