Health-related Quality of Life, Comorbidities, Productivity Loss and Resource Utilization Associated with Providing Care for Adults with Schizophrenia in Spain

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Objectives

This study examined health-related quality of life (HRQoL), stress-related comorbidities, productivity loss and resource utilization of schizophrenia caregivers compared with non-caregivers and caregivers of adults with other conditions (e.g. conditions such as Alzheimer's disease) in Spain.

Background

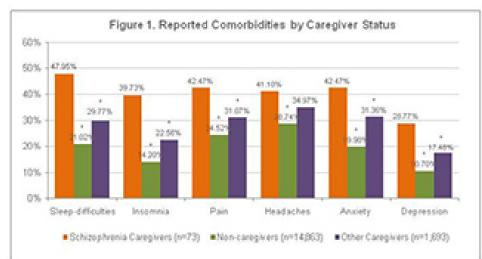
- Schizophrenia is a mental condition that impacts the patients' capability to engage in daily activities, which increases the patients' dependence on caregivers to assist with daily routine⁽¹⁾.
- · A previous study in Spain reported that greater levels of dependency are positively associated with more hours of caregiving(2).
- Another study reports that activities of daily living and psychiatric disorders are negatively impacted among Spanish patients with schizophrenia⁽³⁾.
- Very few studies are available that describe caregiver burden for adults in Spain who provide care to patients with schizophrenia. The current study uses a representative sample of adults in Spain.

Methods

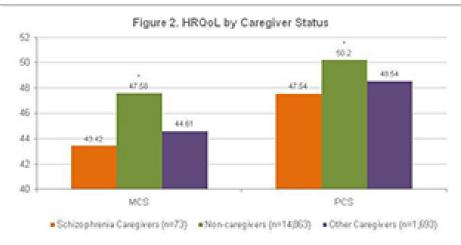
Data were obtained from the 2010-2011 and 2013 National Health and Wellness Survey, an online questionnaire that's representative of the total adult population. Outcomes included HRQoL (SF-36v2: mental and physical component summary (MCS, PCS) and SF-6D (health utility) scores), comorbidities (sleep-difficulties, insomnia, pain, headaches, anxiety, depression) experienced in the past 12 months, Work Productivity and Activity Impairment questionnaire-based scores, and healthcare-utilization (within the past 6 months). Chi-square tests and t-tests were used to compare schizophrenia caregivers vs. non-caregivers and other caregivers (e.g., cancer, Alzheimer's).

Results

- Among the 17,000 respondents, 0.4% (n=73) were schizophrenia caregivers, 87.4% non-caregivers, and 10.0% other caregivers (2.2% declined to answer caregiving status and were excluded from the study).
- The average age of schizophrenia caregivers was 47.0 years (SD=16.2), 71.2% were female and 75.3% reported having less than a college/university degree.
- Schizophrenia caregivers experienced more sleepdifficulties, insomnia, pain, headaches, anxiety and depression in the past 12 months than non-caregivers, all p<0.05.
- Compared to other caregivers, schizophrenia caregivers experienced more sleep-difficulties, insomnia, pain, anxiety and depression in the past 12 months, all p<0.05 (see Figure 1).

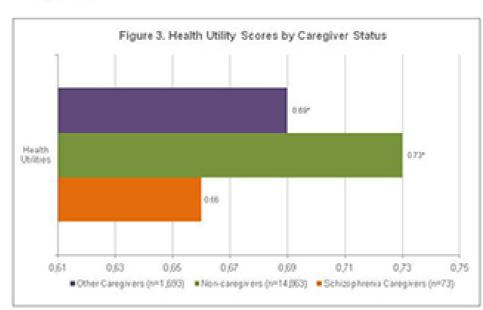


Note: *p<0.05 compared with schizophrenia caregiver



Note: "p<0.05 compared with schizophrenia caregiver

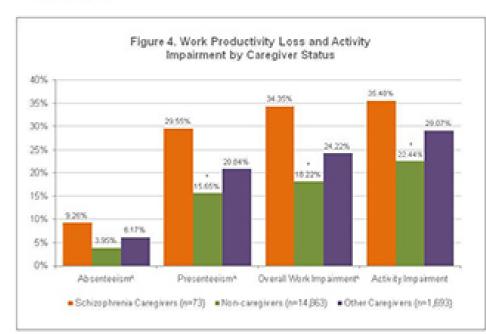
- Schizophrenia caregivers reported significantly lower MCS (mean=43.4 vs. 47.6) and PCS (mean=47.5 vs. 50.2) than non-caregivers, both p<0.01.
- No significant differences on MCS, and PCS were found between schizophrenia caregivers and other caregivers (see Figure 2).
- Schizophrenia caregivers reported significantly lower health utilities compared with non-caregivers (mean=0.66 vs. 0.73, p<0.001) and compared with other caregivers (mean=0.66 vs. 0.69, p=0.045) (see Figure 3).



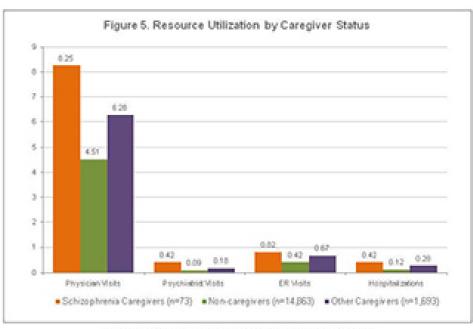
Note: *p<0.05 compared with schizophrenia caregiver

- Among full-time employed respondents, schizophrenia caregivers reported greater presenteeism (mean=29.6% vs. 15.7%, p=0.006) and overall work impairment (34.4% vs. 18.2%; p=0.004) than non-caregivers. Among all respondents, schizophrenia caregivers also reported greater activity impairment (mean=35.8% vs. 22.4%, p<0.001) than non-caregivers.
- No differences on work-related productivity loss and activity impairment were found between schizophrenia caregivers and other caregivers, probably due to the small sample of full-time respondents in both groups (see Figure 4).

 Schizophrenia caregivers reported a greater number of physician visits, psychiatrist visits, emergency room visits and hospitalizations than non-caregivers (see Figure 5).



Note: "p<0.05 compared with schizophrenia caregiver, hincludes only full-time employed respondent



Note: *p<0.05 compared with schizophrenia caregiver

Conclusions

- · Schizophrenia caregivers reported poorer HRQoL, more comorbidities (particularly psychiatric comorbidities), and greater resource utilization than non-caregivers.
- Schizophrenia caregivers experienced more comorbidities than other caregivers. They also reported worse health utilities and a greater number of doctor visits than other caregivers.
- Therefore, overall caregiver burden was greater for schizophrenia caregivers than non-caregiver and other caregivers in Spain, with a large impact on schizophrenia caregivers' mental health.
- · Providing schizophrenia caregivers with support services to better manage patients effectively may reduce caregiver's burden.

References

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