

# Cognitive impairment common among community and nursing-home resident elderly

April 7 2014

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More than 70% of elderly Medicare beneficiaries experience cognitive impairment or severe dementia near the end-of-life and may need surrogate decision makers for healthcare decisions. Advance care planning for older adults with dementia may be particularly important for individuals who do not reside in a nursing home or a long-term care facility, according to an article published in the April issue of *Health Affairs*.

Researchers at the Johns Hopkins Bloomberg School of Public Health reviewed data from the Health and Retirement Study (HRS) linked to Medicare claims to identify the differences between the type of care given to [dementia patients](#) in nursing homes and those who remain in the community. Cognitive impairment was common among seniors living in nursing homes and among those remaining in the community.

"We found that more than half of [older adults](#) living on their own or with [family members](#) in the last year of life were cognitively impaired. These [patients](#) were treated much more aggressively, than similar patients who lived in nursing homes, potentially because their memory impairment was not known to emergency healthcare providers and or their preferences for care were not known or clear to the family members, caregivers or [surrogate decision makers](#)," said Lauren Hersch Nicholas, PhD, MPP, assistant professor of Health Policy and Management at the Bloomberg School and lead author of the study.

The findings are believed to be the first to estimate the prevalence of [cognitive impairment](#) and dementia at the end-of-life and examine the associated healthcare costs and utilization for community dwellers.

The research indicates there is an important difference in the relationship between advance directive use and end-of-life care between patients in the community compared to nursing home patients. Memory-impaired patients without [advance directives](#) received aggressive end-of-life care and potentially inappropriate care, especially if they did not reside in a healthcare facility.

"Dementia is often under-recognized as a terminal, progressive condition, which can result in end-of-life care that can be burdensome, painful, costly and unlikely to improve quality of life or survival. Like previous studies which focused only on nursing home residents, we found higher rates of life-sustaining treatment, ICU use, and in-hospital death among dementia patients living in the community than might be expected given their prognosis," said Nicholas.

The study results suggest that advance directives may have a more important role on treatment decisions for patients living in the community with severe dementia, who likely lack the capacity to participate in medical decision-making, than for those living in [nursing homes](#). Efforts to engage patients and family members in advance care planning when cognitive impairment is first diagnosed and patients are still living in the community can help to ensure that a surrogate decision-maker is identified and alerted to the patient's preferences while these conversations are possible.

While additional research is needed to determine whether advance directives cause differences in end-of-life care for older adults with severe dementia, efforts to educate both patients and their families about dementia and its progression at initial diagnosis may be necessary to

prompt all relevant family members, caregivers and surrogates to learn about a patient's preferences, prognosis and end-of-life requests.

**More information:** "Advance Directives and Nursing Home Stays Associated With Less Aggressive End-Of-Life Care For Patients With Severe Dementia" *Health Affairs*, 2014.

Provided by Johns Hopkins University Bloomberg School of Public Health

Citation: Cognitive impairment common among community and nursing-home resident elderly (2014, April 7) retrieved 11 May 2024 from <https://medicalxpress.com/news/2014-04-cognitive-impairment-common-nursing-home-resident.html>

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