





Addressing Caregiver Burden and Identifying Agitation Associated With Dementia Due To Alzheimer's Disease

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Objectives



Define caregiver burden and its impact on daily life and their ability to provide care to individuals with Alzheimer's dementia



Examine challenges in recognizing agitation associated with dementia due to Alzheimer's disease



Share the Agitation In Alzheimer's Screener For Caregivers (AASC®) and the Caregiver's Guide On Identifying And Managing Agitation Associated With Alzheimer's Dementia resources



Alzheimer's Dementia Is Highly Prevalent And Predicted To Increase Over Time¹

An estimated

_~6.9

adults aged ≥65 years in the United States are currently living with **Alzheimer's disease**¹

By the year 2060, that number is expected to double to 13.8

People with Alzheimer's dementia can experience behavioral and psychological conditions, with

agitation being one of the most common²



individuals with dementia due to Alzheimer's disease

Agitation is associated with increased chances of placement into long-term care (LTC)³

of people with Alzheimer's or other forms of dementia lived

in the community,

receiving more care from family members and other unpaid caregivers as their disease progressed¹

Deferences:

- 2024 Alzheimer's disease facts and figures. Alzheimers Dement. 2024:20(5):3708-3821
- Halpern R, et al. Int J Geriatr Psychiatry. 2019;34(3):420-431.
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compared with 4% of the general population aged 80 years¹



Agitation Presents A Broad Spectrum Of Symptoms

- Agitation associated with dementia due to Alzheimer's disease is a common and treatable condition with a broad range of symptoms. It requires distinct treatment options from those used for cognitive impairment¹⁻³
- Despite its prevalence, agitation is often underrecognized by caregivers and underdiagnosed by HCPs⁴⁻⁶

Symptoms of agitation manifest as both non-aggressive and aggressive behaviors, such as^{7,8}

MOTOR ACTIVITY:

Pacing, restlessness, repetitiveness, and gesturing



VERBAL AGGRESSION:

Screaming, using profanity, and asking repetitive questions

PHYSICAL AGGRESSION:

Hitting, kicking, punching, biting, and throwing things

HCP, health care provider.

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Agitation Can Worsen The Impact Of An Already Devastating And Burdensome Disease

Overall, agitation versus no agitation in patients with Alzheimer's dementia has been associated with 1-7:



Accelerated disease progression



Functional decline



Decreased quality of life



Greater comorbidities



Increased use of concomitant therapies



Earlier death



Increased risk of hospitalization/institutionalization

In the LTC setting, agitation versus no agitation has been associated with a significantly increased risk of:





Fractures





Higher medication use



Other NPS*

*Includes depression, anxiety, delusion, and hallucinations. LTC. long-term care: NPS. neuropsychiatric symptoms.

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Agitation Has Been Associated With Caregiver Burden, Which Increases With Severity of Alzheimer's Dementia¹

Many professional caregiving themes parallel those of family caregiving,² including caregiver outcomes³⁻⁹:



General health decline



Reduced quality of life



Depression



Anxiety



Embarrassment and guilt



Social isolation



Increased use of clinical services

Agitation is a risk factor for **burnout**, **reduced workability**, and **generally weaker health** among caregivers¹⁰

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- Patrick KS, et al. Psychogeriatrics. 2022;22(5):688-698.
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Agitation In Patients With Alzheimer's Dementia Is Associated With High Caregiver Burden



Symptoms of agitation in patients with dementia can be a **source of embarrassment and anxiety**for caregivers¹



The presence of behaviors such as agitation relates to caregiver burden, with the burden of care increasing with severity of agitation²



Informal caregivers of patients with cognitive impairment or dementia **spend more than 20 additional hours per week** actively helping patients with clinically significant agitation vs patients without clinically significant agitation³



Agitation symptoms in patients with dementia increase caregiver distress and **likelihood of**patient institutionalization4



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Burnout Has Been Recognized As An Occupational Hazard For Both Professional And Family Caregivers^{1,2}

Multiple assessments have been created to characterize burnout based on physical, mental, and emotional aspects³⁻⁵

These 3 examples can be used to define burnout in caregivers of patients with Alzheimer's dementia:



Maslach Burnout Inventory³

- ✓ Overwhelming exhaustion
- ✓ Feelings of cynicism and detachment from the job
- ✓ Sense of ineffectiveness and lack of accomplishment



Burnout Measure⁴

- ✓ Physical exhaustion
- ✓ Mental exhaustion
- ✓ Emotional exhaustion



ICD-11 of the WHO⁵

- ✓ Feelings of energy depletion or exhaustion
- ✓ Increased mental distance from one's job, or feelings of negativism or cynicism related to one's job
- ✓ Reduced professional efficacy

ICD-11, International Classification of Diseases, 11th Revision; WHO, World Health Organization.

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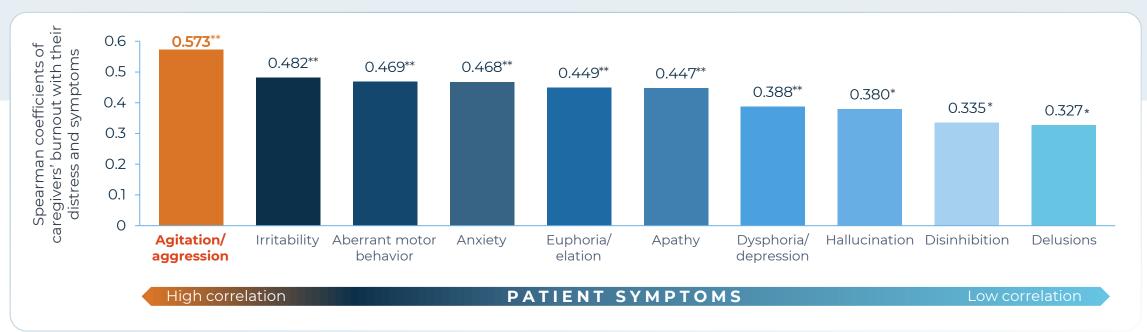
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Among Behaviors Observed In Patients With Dementia, Agitation Has Been Shown To Have The Strongest Correlation With Caregiver Burnout

Correlation Of Burnout Scores With Caregiver Distress By Dementia Symptom





Caregivers experienced **higher burnout** when patients showed behaviors such as **agitation/aggression**, irritability, and aberrant motor behavior vs more passive symptoms like apathy, depression, and delusions

*P<0.05: **P<0.01

Hivoshi-Taniquchi K. et al. Clin Gerontol. 2018:41(3):249-254.



Despite The High Prevalence, Recognition Of Agitation Remains A Challenge That Delays Diagnosis And Treatment



- Often the first to encounter agitation symptoms¹
- May not recognize the full breadth of agitation symptoms¹
- May not understand that treatment of agitation differs from treatment of Alzheimer's dementia¹
- May not readily talk about agitation symptoms with HCPs until they become untenable, which can lead to underdiagnosis of agitation^{1,2}



HCPs

- Often rely on caregivers to report agitation symptoms³
- Agitation symptoms may not be easy to detect in a clinical setting, especially when subtle³
- Generally, may not educate families about agitation early in Alzheimer's dementia²
- May not be made aware of agitation symptoms until burden becomes untenable for the caregiver²

Caregivers play a critical role in recognizing, assessing, and communicating agitation symptoms to HCPs.¹



Early Detection:

Improving caregiver recognition and communication with HCPs may lead to earlier diagnosis and timely management³

Early detection by caregivers with tailored tools may³:

- Improve recognition and overall management of agitation in patients with Alzheimer's dementia
- Encourage discussions with HCPs about agitation symptoms
- Assist HCPs in making a diagnosis of agitation associated with dementia due to Alzheimer's disease

HCP, health care provider.

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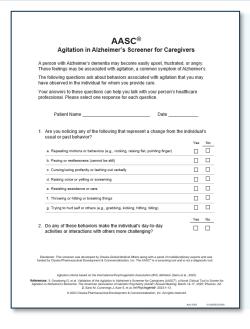


The Agitation In Alzheimer's Screener For Caregivers

The AASC® was developed based on the IPA definition to empower caregivers and HCPs in discussing, identifying, and reporting agitation in patients with Alzheimer's dementia

Goals of the AASC®

- To educate caregivers about agitation symptoms
- To facilitate caregiver-HCP conversations about agitation
- To help HCPs in screening for agitation in Alzheimer's



The AASC® is the first clinical tool based on IPA criteria

Items screen for both the **presence and impact** of agitation symptoms

Can be completed in <1 minute

Simple to score

Use the digital version or download and print the AASC® at www.theaasc.com



HCP, healthcare provider; IPA, International Psychogeriatric Association.

Reference

1. Clevenger C, et al. One minute to recognition: The Agitation in Alzheimer's Screener for Caregivers (AASCTM). Presented at: Gerontological Society of America Annual Scientific Meeting; November 8-12, 2023; Tampa, FL.



IPA Definition

The IPA definition of agitation in cognitive disorders includes 4 criteria¹:

- 1. The patient meets the criteria for cognitive impairment or dementia syndrome
- 2. The patient exhibits ≥ 1 agitation behavior(s) with emotional duress that is persistent or frequently recurrent for ≥ 2 weeks or the behavior represents a dramatic change from the patient's usual behavior*
- 3. The behaviors are severe and associated with excess distress or produce disability beyond that due to cognitive impairment
- 4. The behaviors cannot be attributed to another psychiatric disorder, medical condition, including delirium, suboptimal care conditions, or the physiological effects of a substance

Agitation behaviors include¹:



Excessive motor activity behaviors:

- Pacing
- Rocking
- Gesturing
- · Pointing fingers
- Restlessness
- Performing repetitious mannerisms



Verbal aggression behaviors:

- Yelling
- Speaking in an excessively loud voice
- Using profanity
- Screaming
- Shouting



Physical aggression behaviors:

- Grabbing
- Shoving
- Pushing
- Resisting
- Hitting others
- Kicking objects or people
- ScratchingBiting
- Throwing objects
- Hitting self
- Slamming doors
- Tearing things
- Destroying property

*In special circumstances, the ability to document the behaviors over 2 weeks may not be possible and other terms of persistence and severity may be needed to capture the syndrome beyond a single episode. IPA, International Psychogeriatric Association.

Reference:

1. Sano M, et al. Int Psychogeriatr. 2024;36(4):238-250.



Summary



Agitation associated with dementia due to Alzheimer's disease is a common and treatable condition with a broad range of non-aggressive and aggressive symptoms, including excessive motor activity, verbal aggression, and physical aggression



Agitation in patients with Alzheimer's dementia is associated with high caregiver burden long-term consequences



Caregiver burnout has been recognized as an occupational hazard, with multiple assessments currently available to characterize burnout based on physical, mental, and emotional aspects



Despite the high prevalence of agitation, its recognition remains a challenge that may delay diagnosis and treatment



A new screening tool may facilitate early detection of agitation by caregivers. Early detection may improve overall management of agitation in patients with Alzheimer's dementia





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