

DECIPHERING THE DISEASE MODIFYING TREATMENTS FOR ALZHEIMER'S DISEASE

OUTCOMES FROM A CONTINUING EDUCATION ACTIVITY

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7.2 MILLION in 2025
13.8 MILLION in 2060

Estimated number of US adults
≥65 years old living with AD

~9 IN 10

US adults would want treatment to slow AD progression if diagnosed at an early stage

Increasing the rates of early AD diagnosis, identification of DMT candidates, and prompt referral for evaluation can improve health and quality-of-life benefits for patients and their caregivers.

AD, Alzheimer's Disease
Alzheimer's Association. *Alzheimers Dement.* 2025;21(5):e70235.

OBJECTIVES

The goal was to deliver a live CE webinar with an online enduring component that addresses knowledge and practice gaps among NPs related to DMTs for AD through the following LOs:

- 1 Discuss the importance of early diagnosis of AD with regard to DMT benefits.
- 2 Examine the clinical trial data supporting the efficacy and safety of DMTs in the treatment of AD.
- 3 Summarize strategies for improving patient access to DMTs for AD.

CE, continuing education; DMT, disease-modifying therapy; LO, learning objective

DESIGN & METHODS

CE activity and assessments

- A live webinar with a recorded online enduring component was developed in collaboration with 2 expert faculty (1.6 hours, including 0.5 Rx hours)
- Outcomes questions were developed based on LOs, with linkage to the needs assessment and content
- Before the activity, learners self-reported demographic data and answered knowledge and confidence questions (pre-activity responses)
- After the activity, learners answered the same knowledge and confidence questions (post-activity responses) and activity evaluation questions
- A follow-up survey was administered 60 days after activity completion

Data analysis

- Data were filtered to include only learners who completed the activity ("completers")
- Descriptive statistics were used for demographic and evaluation data
- Differences between pre- and post-activity multiple choice responses and Likert responses were analyzed with paired analyses (significance level, $P \leq .05$) and, when appropriate, Cohen's d for ES

ES, effect size

PARTICIPANTS & IMPACT

N=10,245
Learners registered
for the activity

N=7854
Learners started
the activity

N=6541
Learners completed the
activity (completers)

- 96% were NPs or NP students
- 78% were actively caring for patients as NPs
- 85% were certified in adult primary care, family practice, and/or gerontology
- 46% self-reported evaluating patients for cognitive impairment in their current role

Across the 46% of completers
(n = 3020) who evaluate patients for
cognitive impairment...

~35,327

PATIENTS ARE EVALUATED EACH WEEK

PRE- TO POST-ACTIVITY CHANGE

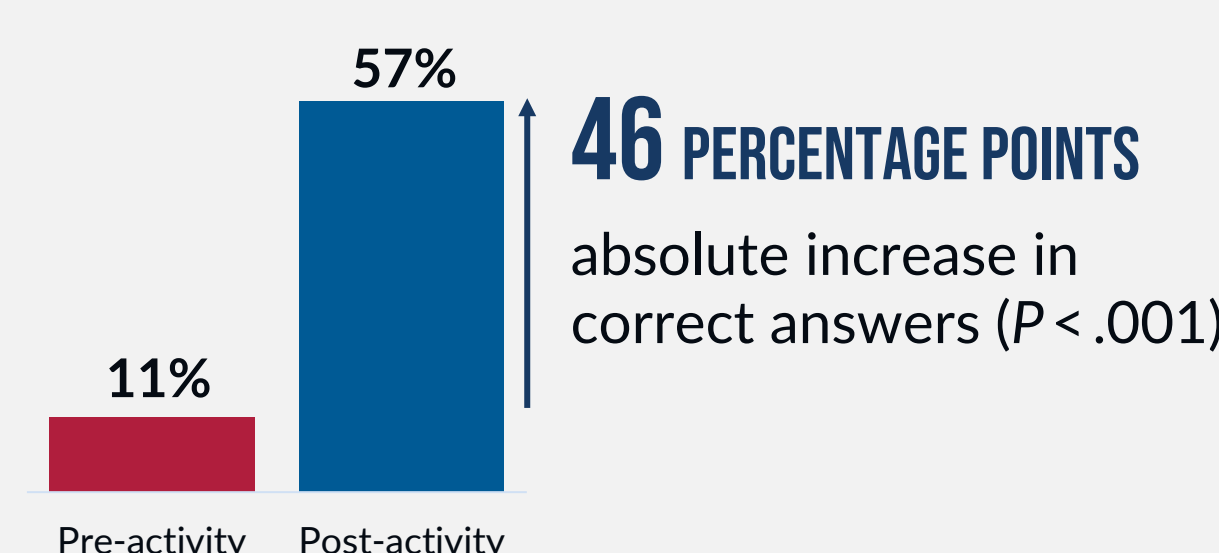
KNOWLEDGE & CONFIDENCE

Knowledge and competence significantly increased by 38% from pre- to post-activity with a medium ES (Cohen's $d = 0.68$)

LARGEST PRE- TO POST-ACTIVITY CHANGE

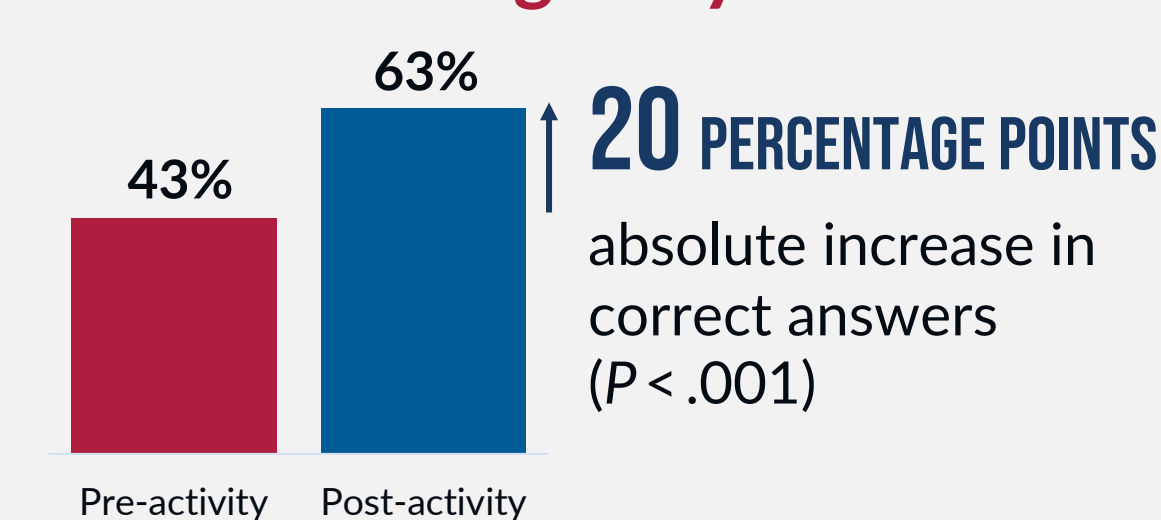
↑5.2-FOLD INCREASE

Recognition of the long
presymptomatic phase of AD, with
biomarker changes detectable decades
prior to diagnosis (average of 18 years)

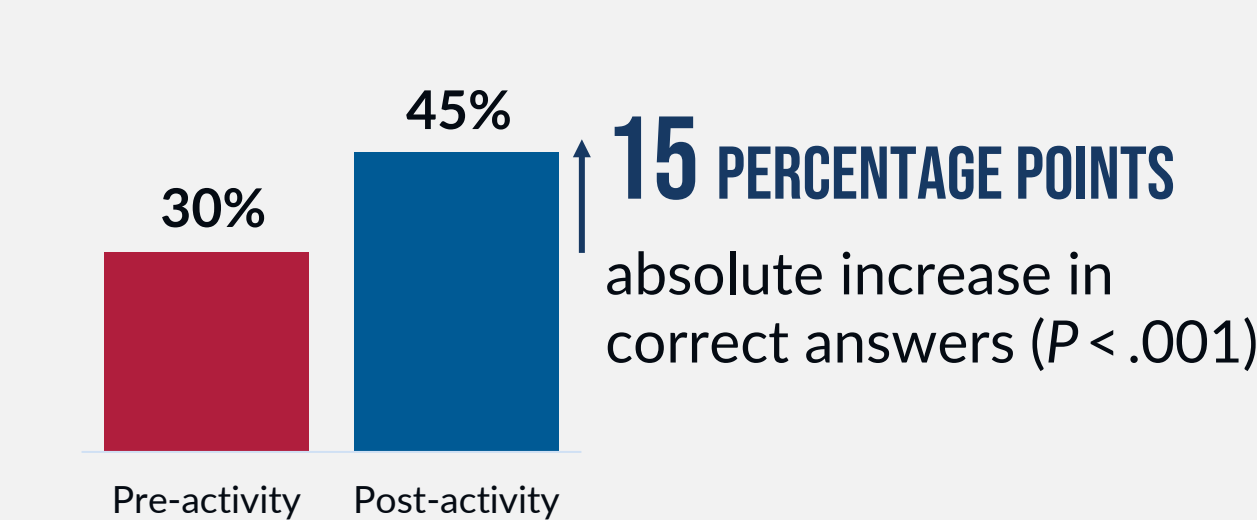


OTHER NOTABLE KNOWLEDGE AND COMPETENCE CHANGES

Using patient and disease
characteristics to determine **DMT**
eligibility



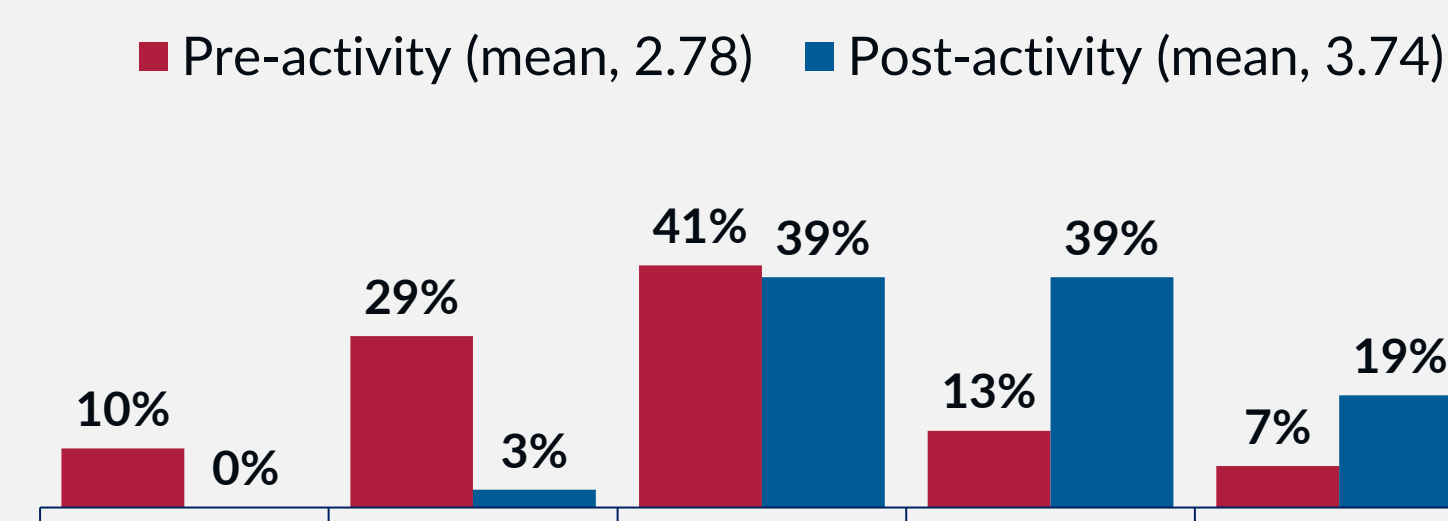
Identification of **risk factors** for **ARIA**
with DMT therapy



Confidence significantly increased in 3 different domains from pre- to post-activity (rated from 1 [not at all] to 5 [extremely])

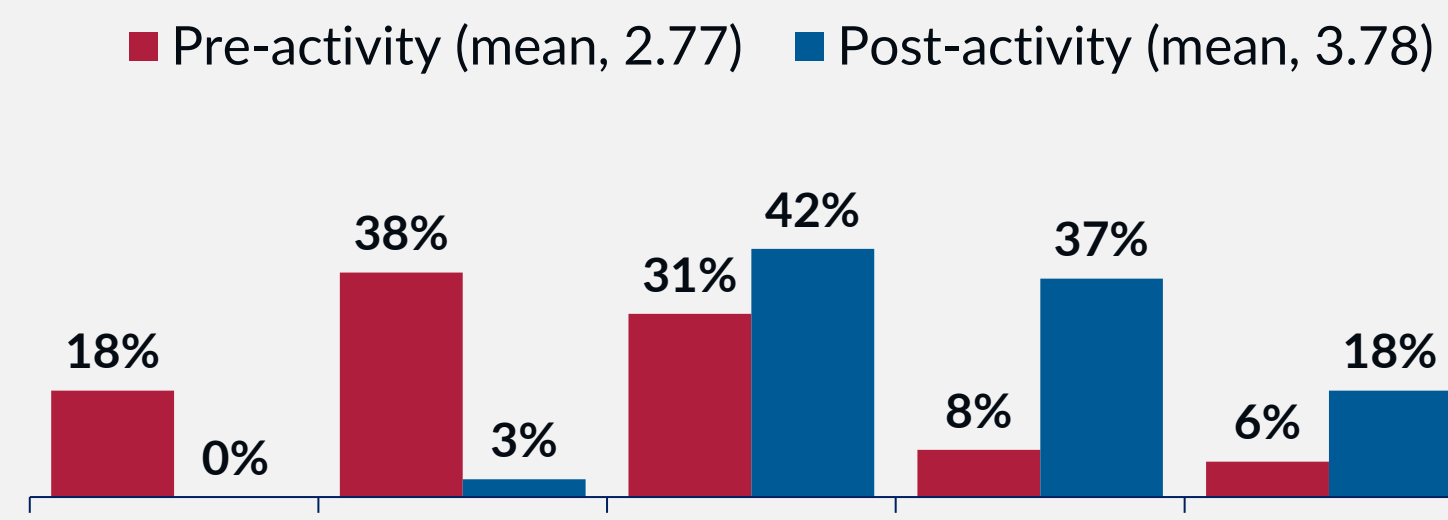
Ability to **evaluate cognitive impairment** in adults

↑35% INCREASE
in mean confidence
 $P < .001$; ES=0.93 (large)



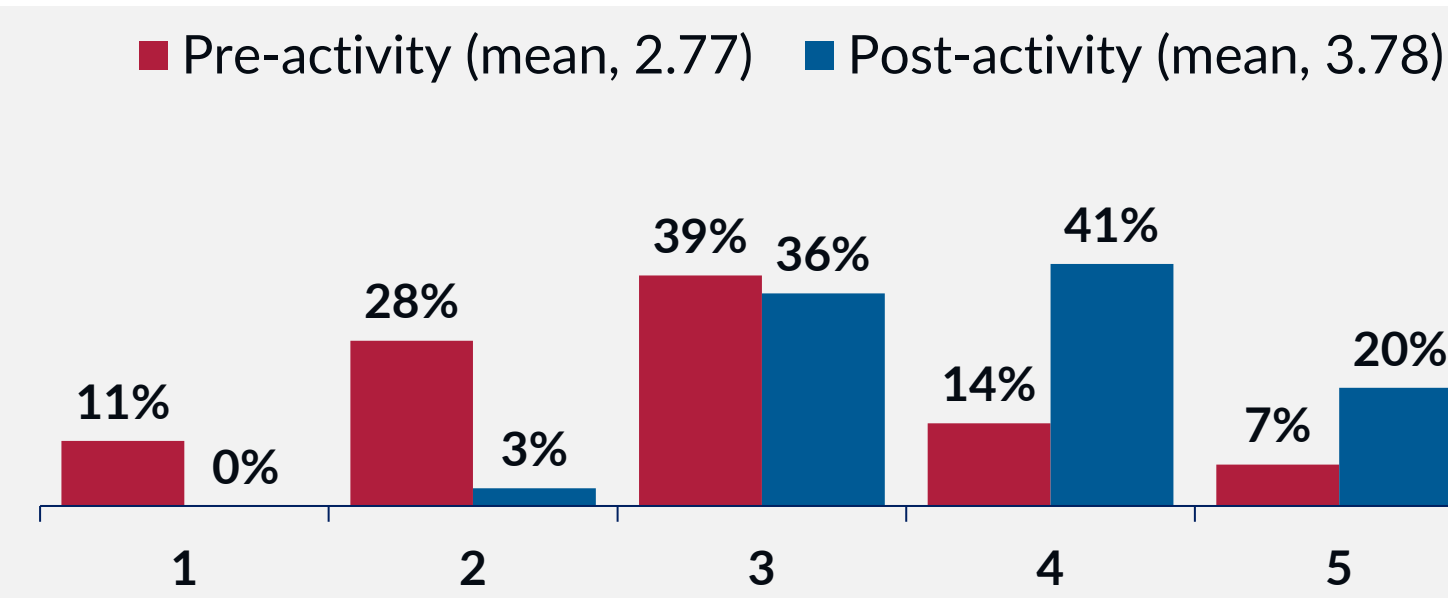
Ability to **identify DMT candidates** with AD

↑50% INCREASE
in mean confidence
 $P < .001$; ES=1.15 (large)



Ability to **identify candidates with MCI/dementia for neurology referral**

↑36% INCREASE
in mean confidence
 $P < .001$; ES=0.95 (large)

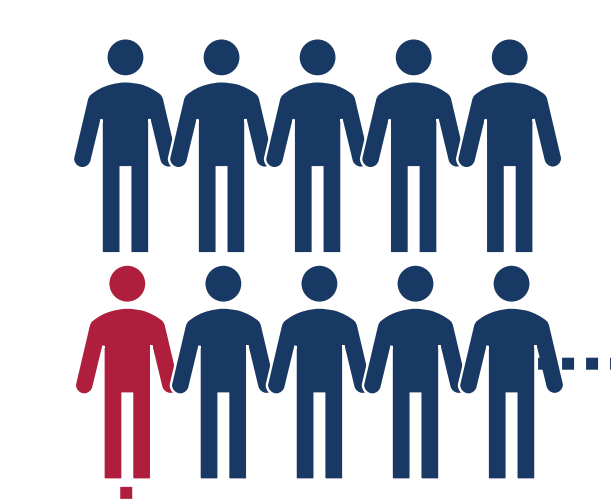


MCI, mild cognitive impairment

POST-ACTIVITY & 60-DAY FOLLOW-UP

PRACTICE CHANGE

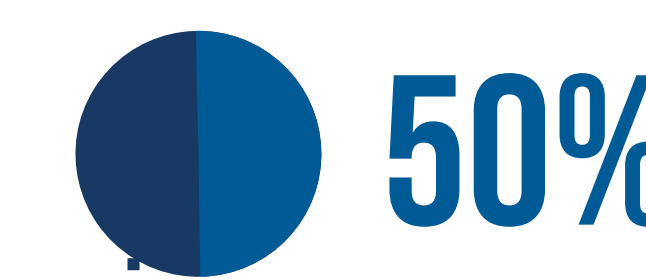
In the post-activity assessment, most completers **planned to implement changes**, with **few anticipated barriers**



~9 IN 10 completers planned to implement ≥1 activity takeaway in their practice, including:

- Discussing the benefits and risks of DMTs with AD patients
- Using the principles of the GSA KAER model to improve early diagnosis
- Increasing referrals to specialty care

~1 IN 10 completers indicated that the activity reinforced their current practice



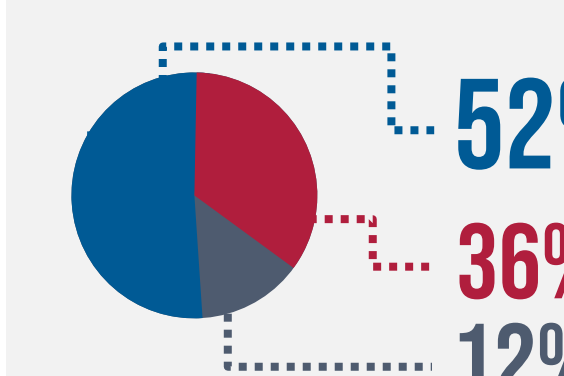
50% of completers who see relevant patients did **not** anticipate barriers to practice change

Among those identifying barriers to practice change, the most common were:

- Time constraints
- Patient expectations or agendas
- Cost or lack of insurance coverage

Self-reported **practice and confidence changes** were seen in the 60-day follow-up survey In the follow-up survey (n = 66)

USE OF ACTIVITY INFORMATION



52% used activity information for practice site education (staff/colleagues) or process changes.

36% provide patient care but **did not use activity information** for education/process changes.

12% do not provide patient care (N/A).

MOST COMMON PRACTICE CHANGES

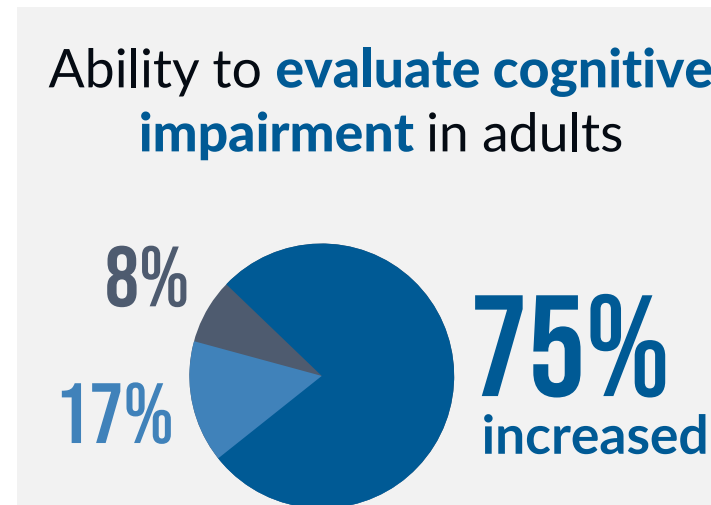
30%
Discussion of risks and benefits of DMTs with patients with AD MCI/dementia

20%
Utilization of the GSA KAER model to improve detection of cognitive impairment

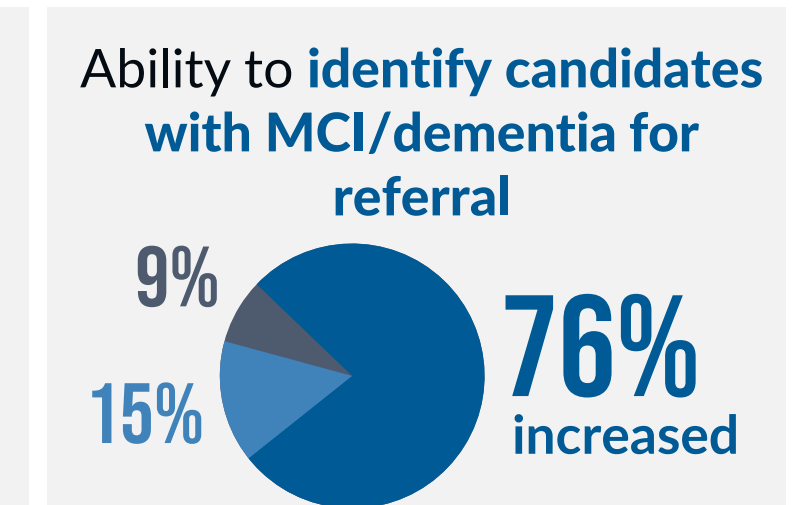
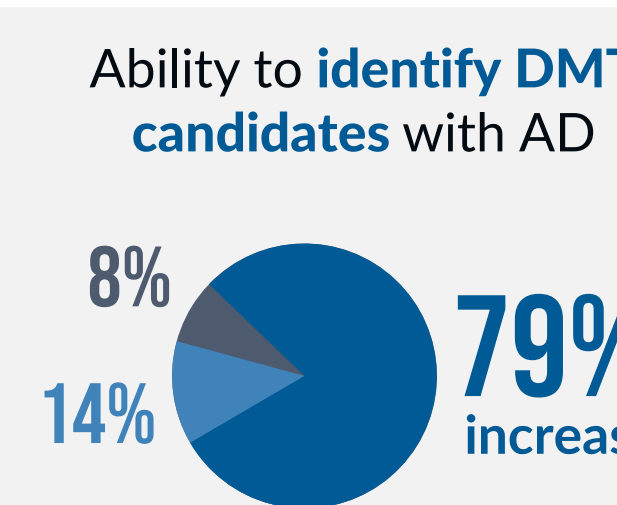
15%
Referral of patients with AD MCI/dementia to specialty care

NOTE: respondents could select only one key practice change.

CONFIDENCE IMPROVEMENT



GSA, Gerontological Society of America; KAER, Kickstart, Assess, Evaluate, Refer; N/A, not applicable



■ Increased
■ Stayed the same
■ Decreased
■ Does not provide patient care (N/A)

✓ Demand for CE content on MCI and dementia in general and AD in particular is high among NPs

✓ Suggestions for future CE activities included more content on AD treatments and deeper exploration of other types of dementia

✓ Overall, 97% of completers indicated they learned something about AD DMTs that they did not know before

ACKNOWLEDGEMENTS

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