Alzheimer's Disease and Decision Making about Aging-in-Place Support: Cognitive, Functional, and Social Predictors.

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INTRODUCTION

Most older adults with Alzheimer's Disease (AD) will need additional support in their lifetime but little is known about *how* the decision to accept help is made. We sought to better understand how older adult aging-in-place (AIP) decisionmaking is impacted by worsening cognition, functional loss, social influences, and/or environmental factors.

METHODS

We are conducting a longitudinal study of older adults from an NIA-funded cohort (LitCog) with extensive cognitive testing. Participants receive PlanYourLifespan.org (PYL), which facilitates making decisions about AIP needs, specifically among older adults with AD and/or other cognitive loss. After exposure to PYL, subjects are surveyed every 6 months by phone. Surveys include cognitive, social, functional, health literacy, and environmental measures, as well as assessment of decision-making.

Cognitive testing is conducted through a detailed neuropsychological battery and grouped into 3 categories: no impairment, mild cognitive impairment (MCI), moderate dementia. Multivariate logistic regression models were conducted per timepoint. Descriptive statistics were used for demographics and cognitive status.

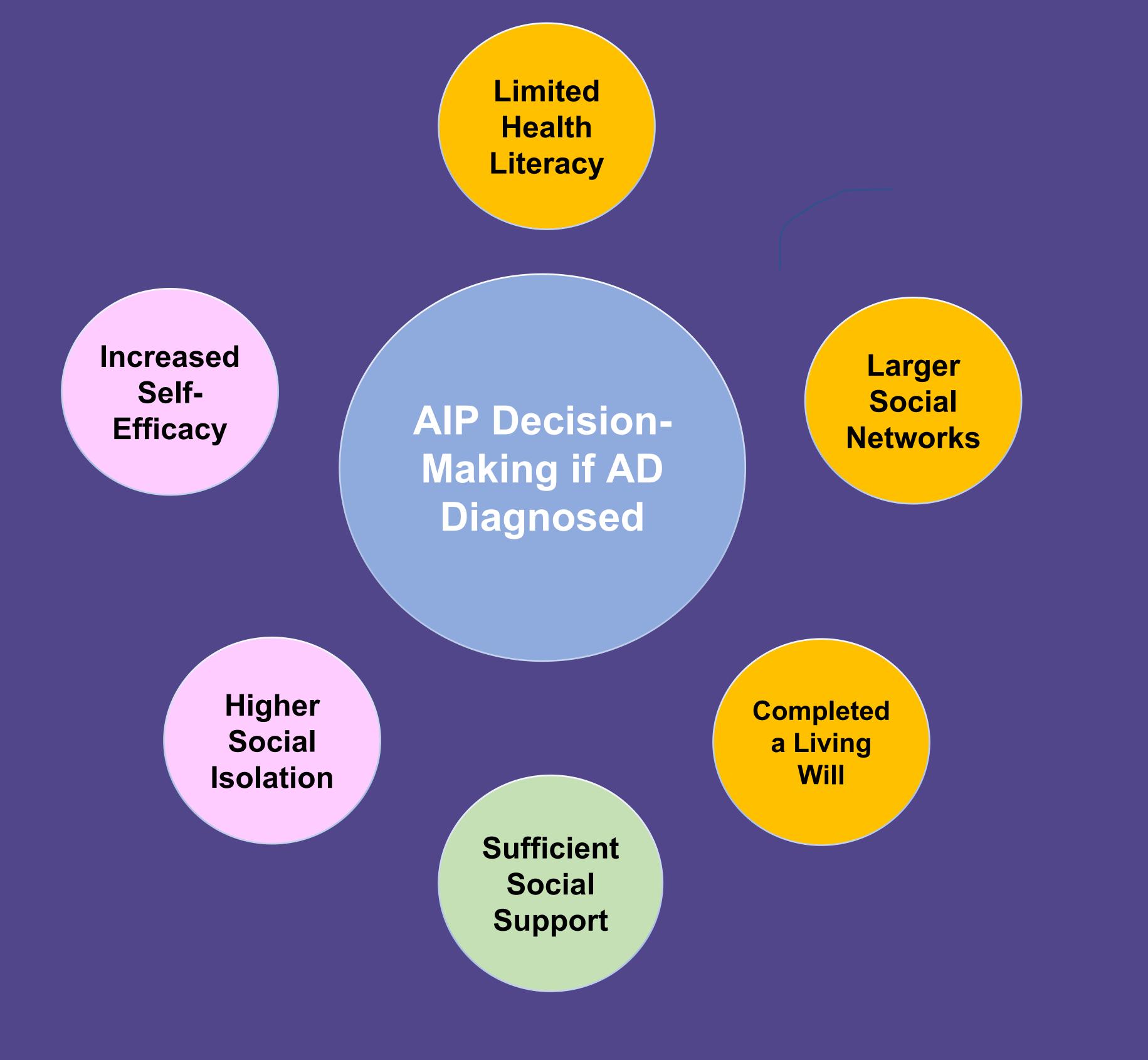
RESULTS

Of the 293 subjects, mean age was 73, 72.7% female, and 40.4% Non-White. 40.6% had limited health literacy. The majority of subjects had some college, completed college, or had graduate degrees.

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What impacts a person's decision making about agingplace (AIP) if they were to develop Alzheimer's Disease?

AIP decision making is impacted by worsening cognition, functional loss, social influences, and environmental factors.



Understanding the factors that influence decision making is important in targeting and helping older adults prepare for their future needs.





RESULTS, cont.

Almost half (47.4%, n=139) reported experiencing cognitive decline, with 42.4% (n=59) experiencing memory loss weekly and 18% (n=25) reporting a monthly occurrence. 10.3% identified worsening memory loss from prior 6-month timepoint. 22.2% (n=65) of participants tested at levels of mild or moderate cognitive impairment.

Subjects were significantly more likely to have made AIP decisions if:

6-Month Follow-up • Sufficient social support (OR 3.39 [p<0.05, 1.19-9.70].

12-Month Follow-up • Higher social isolation (OR 1.05 [p<0.05, 1.01-1.08]); Increased self-efficacy (OR 1.07 [p<0.01, 1.04-1.11]).

DISCUSSION

Decision-making about additional support in the event of worsening cognition (often seen in AD), is associated with both external (e.g., social support) and internal (e.g., self-efficacy, health literacy) factors which change in significance over time. Catastrophic factors, especially those observed with COVID-19, also impact decisions. Factors impact AIP decisions at different time points and further longitudinal study is planned.

FINANCIAL DISCLOSURE

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1-Month Follow-up

Limited health literacy (OR 4.36 [p<0.01, 1.69-11.24]); Larger social networks (OR 1.08 [p<0.05, 1.01-1.15]); **Prior completion** of a living will (OR 2.43 [p<0.05,1.11-5.33]

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