

Nurse-led Train-the-educator Model For Recruiting Underrepresented Groups Into Preclinical Alzheimer's Disease Trials



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YEAR 2 AT A GLANCE



BACKGROUND & OBJECTIVE

- AHEAD 3-45** is a preclinical AD trial evaluating lecanemab in cognitively unimpaired adults ages 55–80 with amyloid biomarker testing and a required study partner.
- Underrepresentation of Hispanic/Latino, Filipino, and Korean communities in AD trials limits equity, generalizability, and access to prevention-focused research.
- Year 1 foundation:** Research-team-led partnerships with nursing and community organizations reached 654 community members, generated 71 prescreenings, and enrolled 25 participants into AHEAD at the UCI site.
- In **Year 2**, we tested whether this model could be transferred to trained community nurse educators for scalable, community-owned delivery.
- Objective:** Evaluate reach, recruitment yield, educational effectiveness, fidelity, and sustainability intent of a nurse-led train-the-educator model.

METHODS

- Design:** Nurse-led train-the-educator model guided by CBPR principles.
- Partners:** National Association of Hispanic Nurses—Orange County Chapter (NAHN-OC), Philippine Nurses Association of Southern California (PNASC), and Somang Society/Korean American Nurses Association of Southern California (KANASC).
- Training:** Nurse educators (n=40, ~10-15 per organization) were trained using a standardized AHEAD education deck.
- Community delivery:** Trained nurse educators independently delivered culturally and linguistically tailored community presentations.
- Survey measures:** Attendees completed anonymous pre/post surveys assessing AHEAD Study knowledge (6 items) and research attitudes (7-item Research Attitude Questionnaire, RAQ).
- Implementation framework:** Outcomes were interpreted using RE-AIM domains: reach, adoption, implementation/fidelity, effectiveness, and sustainability intent.
- Qualitative analysis:** A single post-program Zoom focus group with 15 nurse educators from NAHN-OC, PNASC, and KANASC was transcribed and analyzed thematically within a RE-AIM/implementation-outcomes framework.

Figure 1. Nurse-led train-the-educator cascade



RESULTS

Table 1. Year 2 recruitment yield by partner organization

Community Partner	Contact requests	Pre-screened	Enrolled
PNASC (Filipino)	13	6	2
Somang Society/ KANASC (Korean)	11	8	1
NAHN-OC (Hispanic/Latino)	12	5	0
Total	36	19	3

RESULTS CONTINUED

Figure 2. Year 2 recruitment funnel

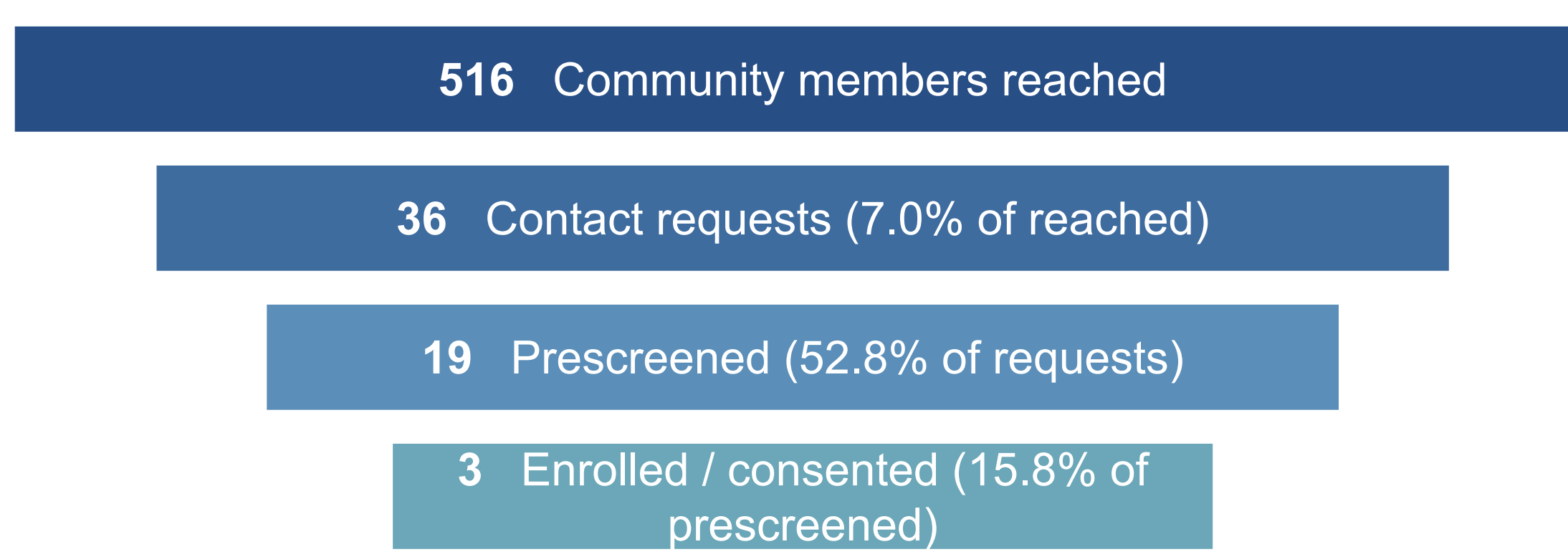


Table 2. Year 2 pre/post survey measures

Measure	n	Pre	Post	Change
Knowledge score responses, n (% correct)	186	1.9 (31.4%)	4.2 (69.1%)	+2.3 (+37.7%)*
RAQ, mean score	192	27.7	28.0	+0.2, ns**

*p<.001

** RAQ p=.287; RAQ scored 7–35, higher = more favorable attitudes.

Figure 3. Year 2 pre/post item-level knowledge score responses

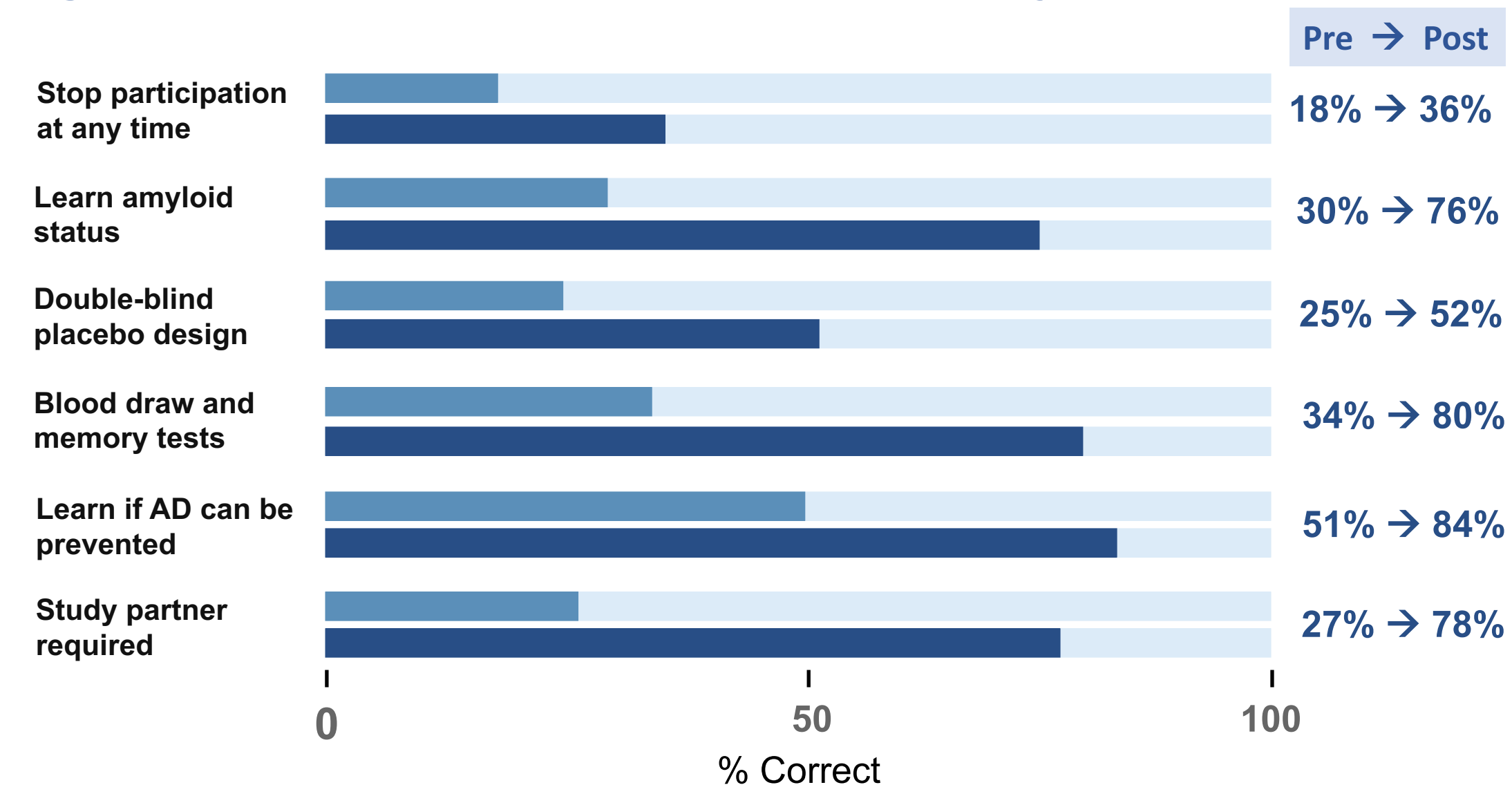


Table 3. Comparison of year 1 and year 2 outcomes

Metric	Year 1 Direct partnership	Year 2 Train-the-educator
Delivery	Research team + partners	Community nurse educators
Events / talks	21 events	12 talks
Members reached	654	516
Enrolled / consented	25	3
Knowledge gain	+35.9%	+37.7%

RESULTS CONTINUED

Table 3. Year 2 RE/AIM Implementation outcomes

Domain	Year 2 indicators
Reach	516 reached; 209 matched surveys (41% of reached)
Adoption	Three partner organizations: NAHN-OC, PNASC, Somang Society/KANASC
Implementation / fidelity	Standardized deck + training; partner-built presenter packet/script/checklist; accessibility adaptations; content drift noted
Effectiveness	Knowledge increased and RAQ remained favorable
Maintenance	Educators willing to present again/mentor; rotating pools; durable partnerships; new community demand

Figure 4. Qualitative themes from nurse educator focus group (n=15)



CONCLUSION

- Community nurses are well positioned to translate complex preclinical AD trial information into accessible, culturally responsive education.
- Nurse-led partnerships can extend AD trial education through trusted community messengers.
- Building nurse educator capacity may support more equitable AD research engagement beyond a single recruitment cycle.