

SIGNIFICANCE OF DIVERSIFYING ADRC COHORTS

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A MORE DIVERSE NATION

- By 2040, projected to reach 34% (26.6 million), with significant growth:
 - Hispanic: +118%
 - African American: +57%
 - Asian American: +76%
 - American Indian/Alaska Native: +39%

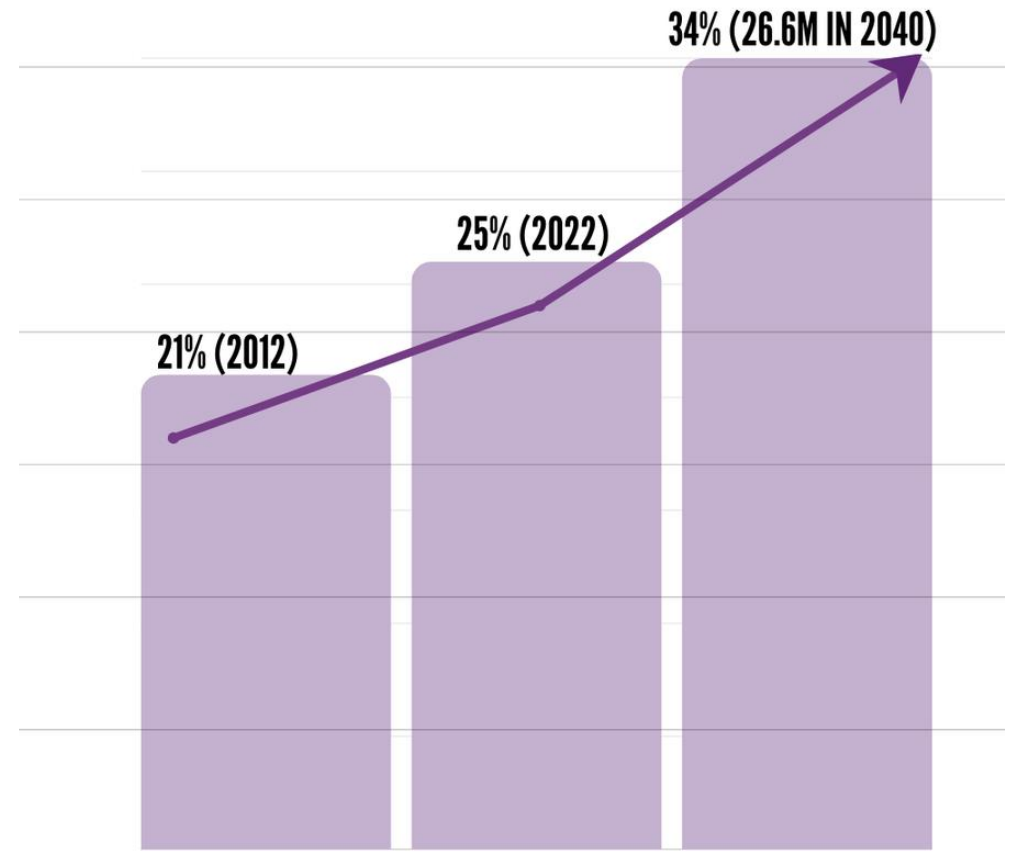
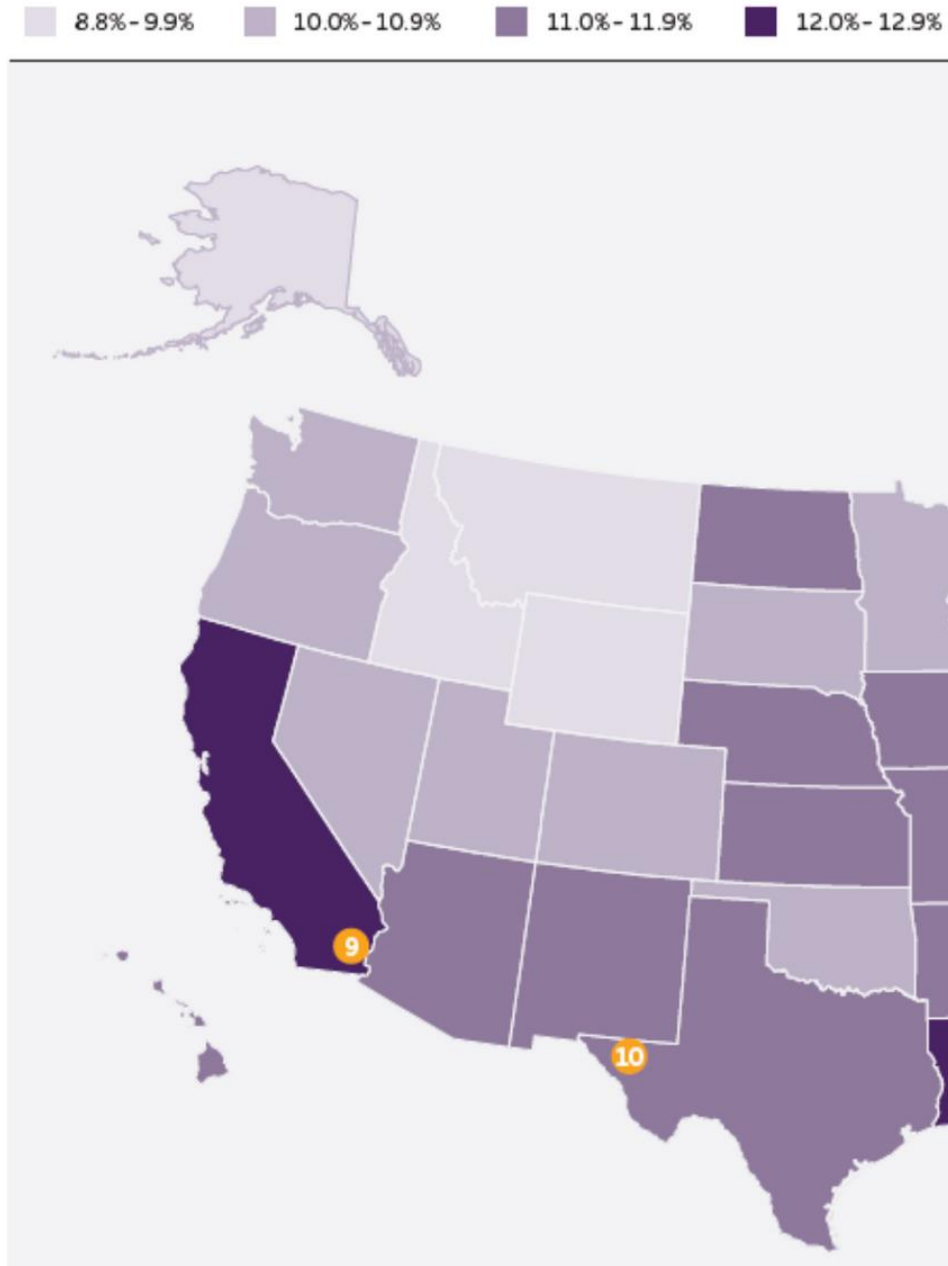


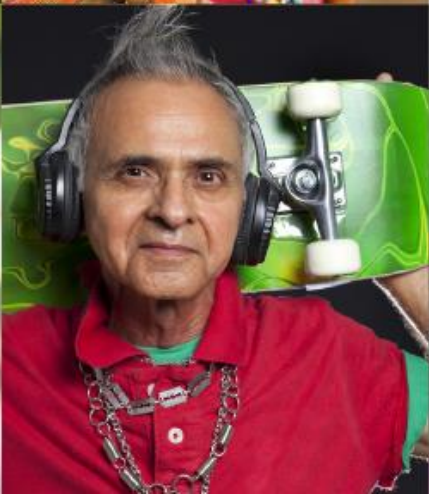
Figure 1. Projected estimates of adults 65+ who identify as members of racial/ethnic minority populations (2023 Profile of Older Americans)

MIAMI-DADE
COUNTY, FL IS
ESTIMATED TO
HAVE THE
HIGHEST
PREVALENCE OF
AD IN THE
NATION (16.6%)



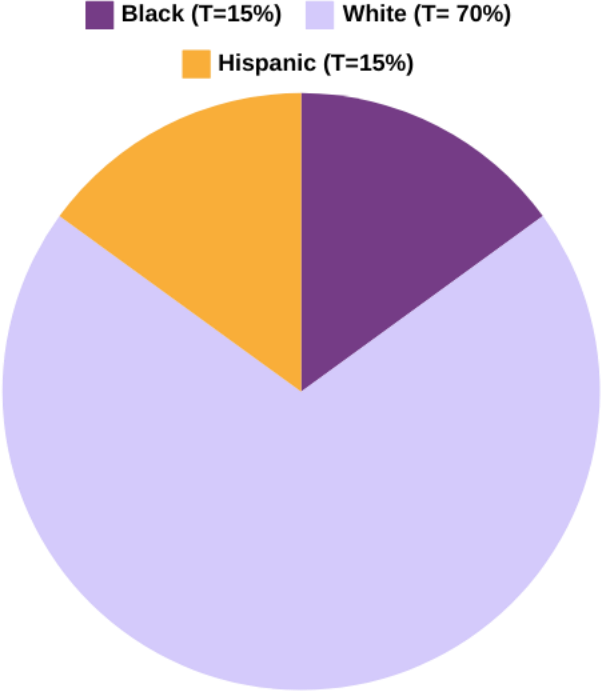


MIAMI DADE COUNTY IS ALSO AMONG THE MOST DIVERSE REGIONS IN THE USA!

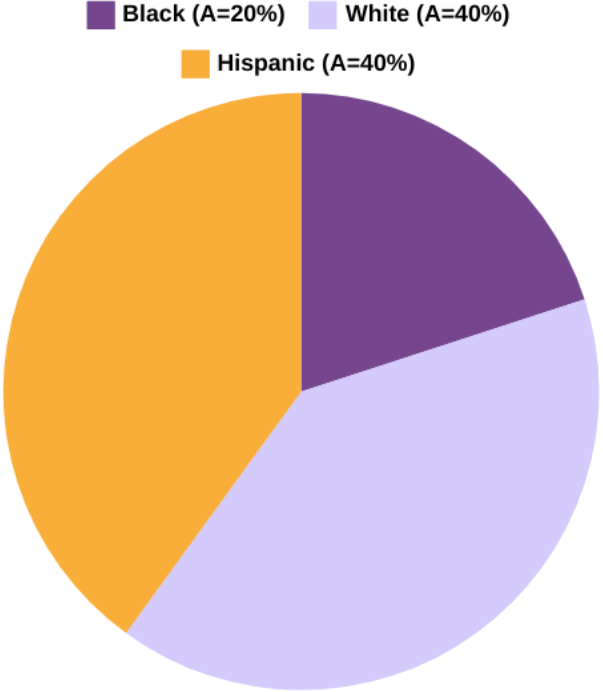


EXCEED THE DEMOGRAPHIC REPRESENTATION

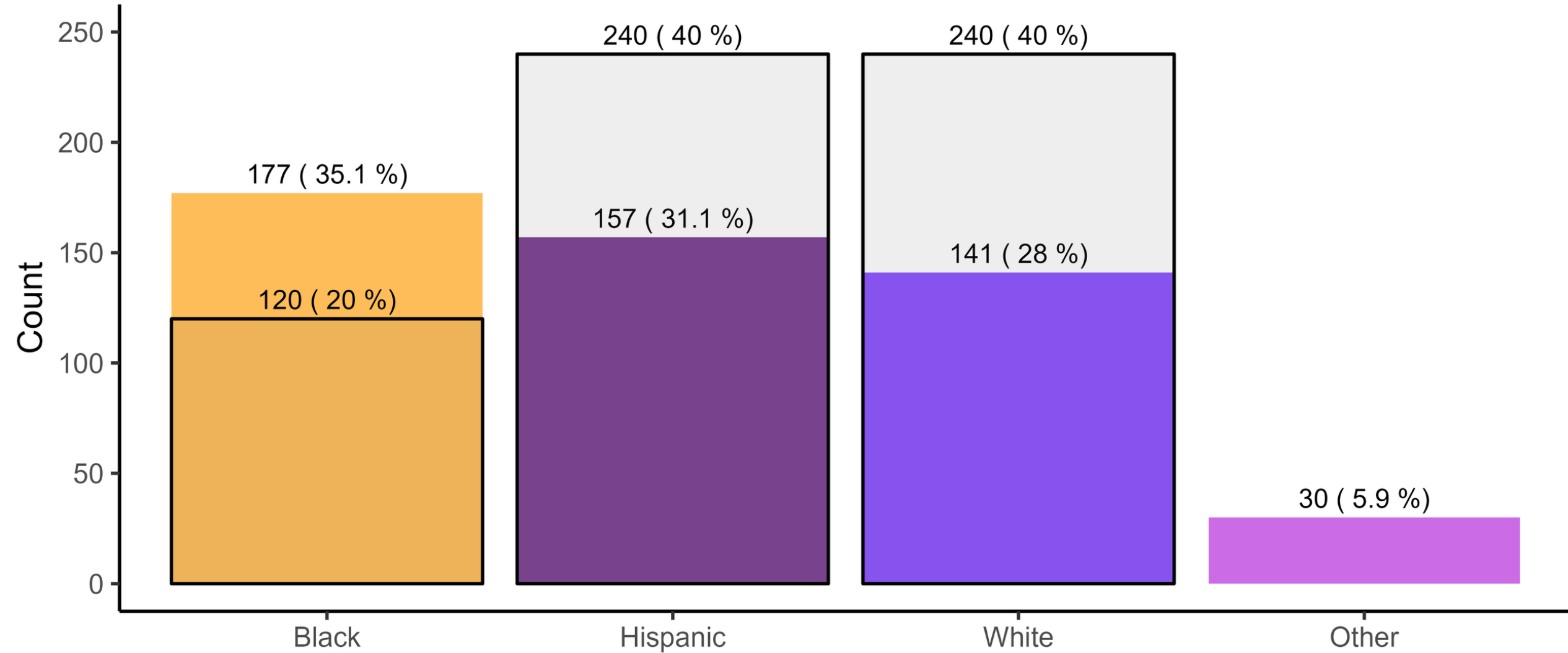
Older Adult Population of Florida



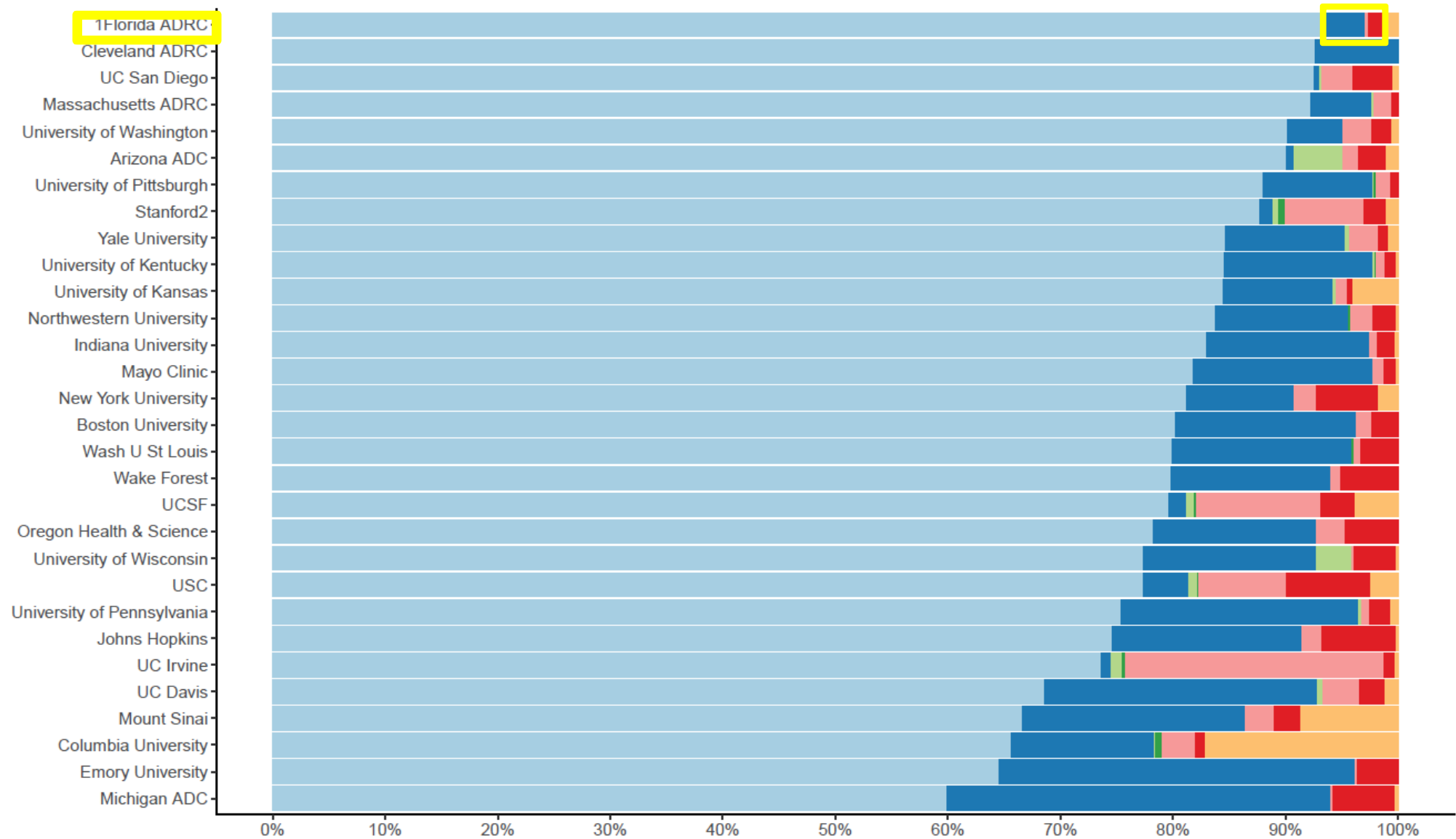
1FL ADRC Target Recruitment



2020-2025 Active Cohort (n=505) Targets by Race/Ethnicity

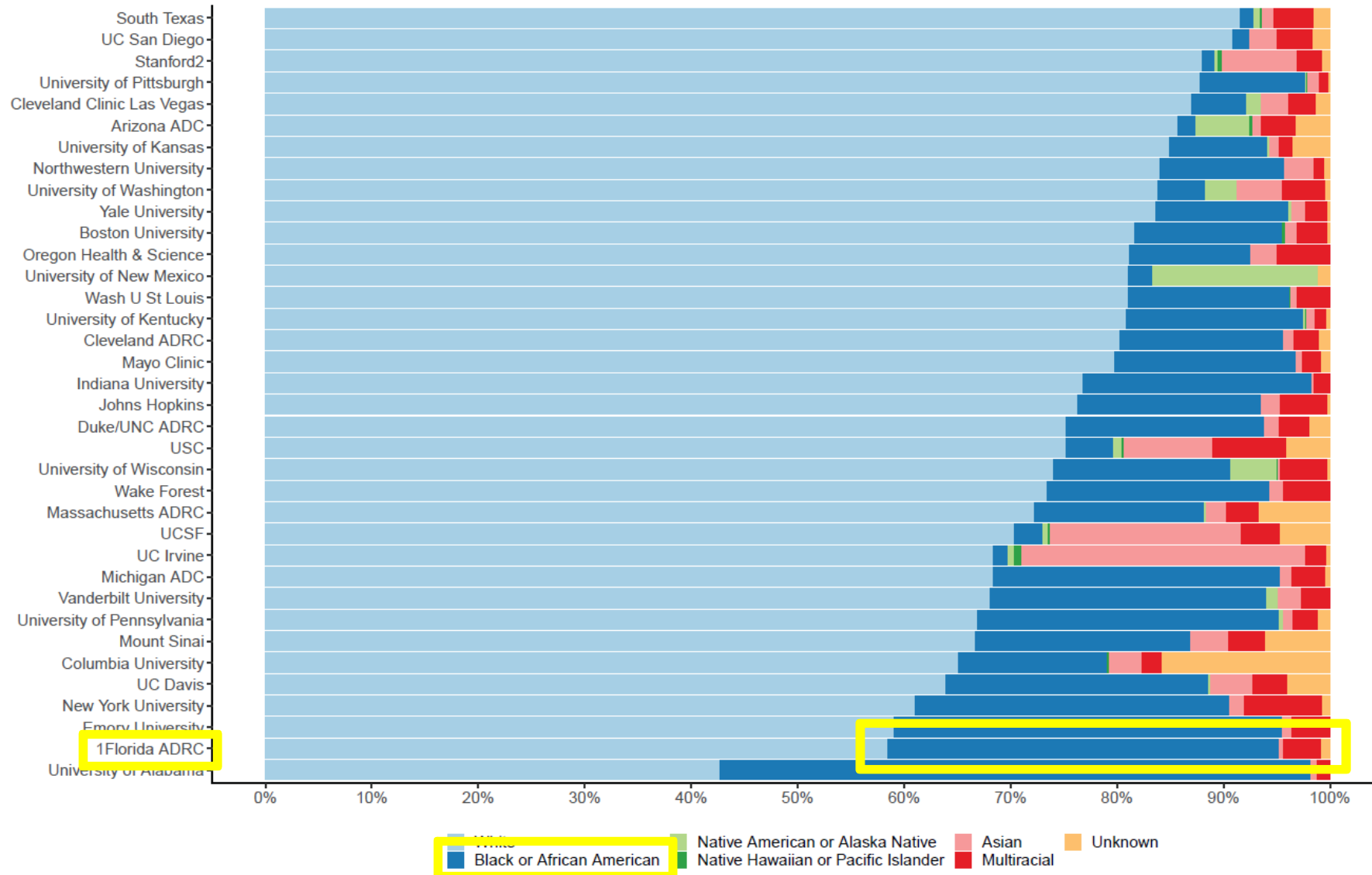


THE IMPACT OF A CONCERTED EFFORT

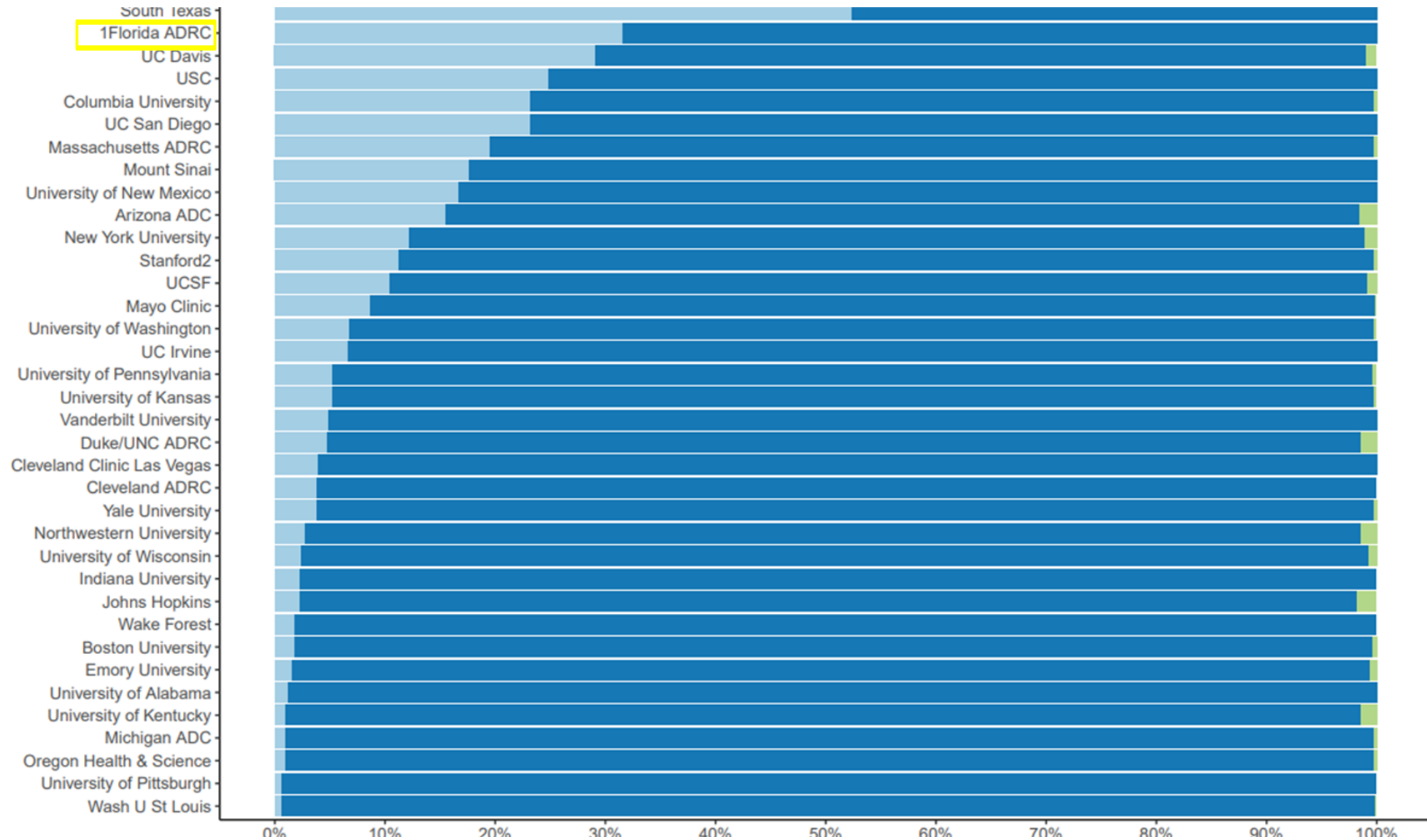


FOUR YEARS LATER...

Figure 2. Distribution of race for active clinical core participants



OUR H/L DIVERSITY





NATIVE COUNTRIES OF
H/L PARTICIPANTS

RETENTION

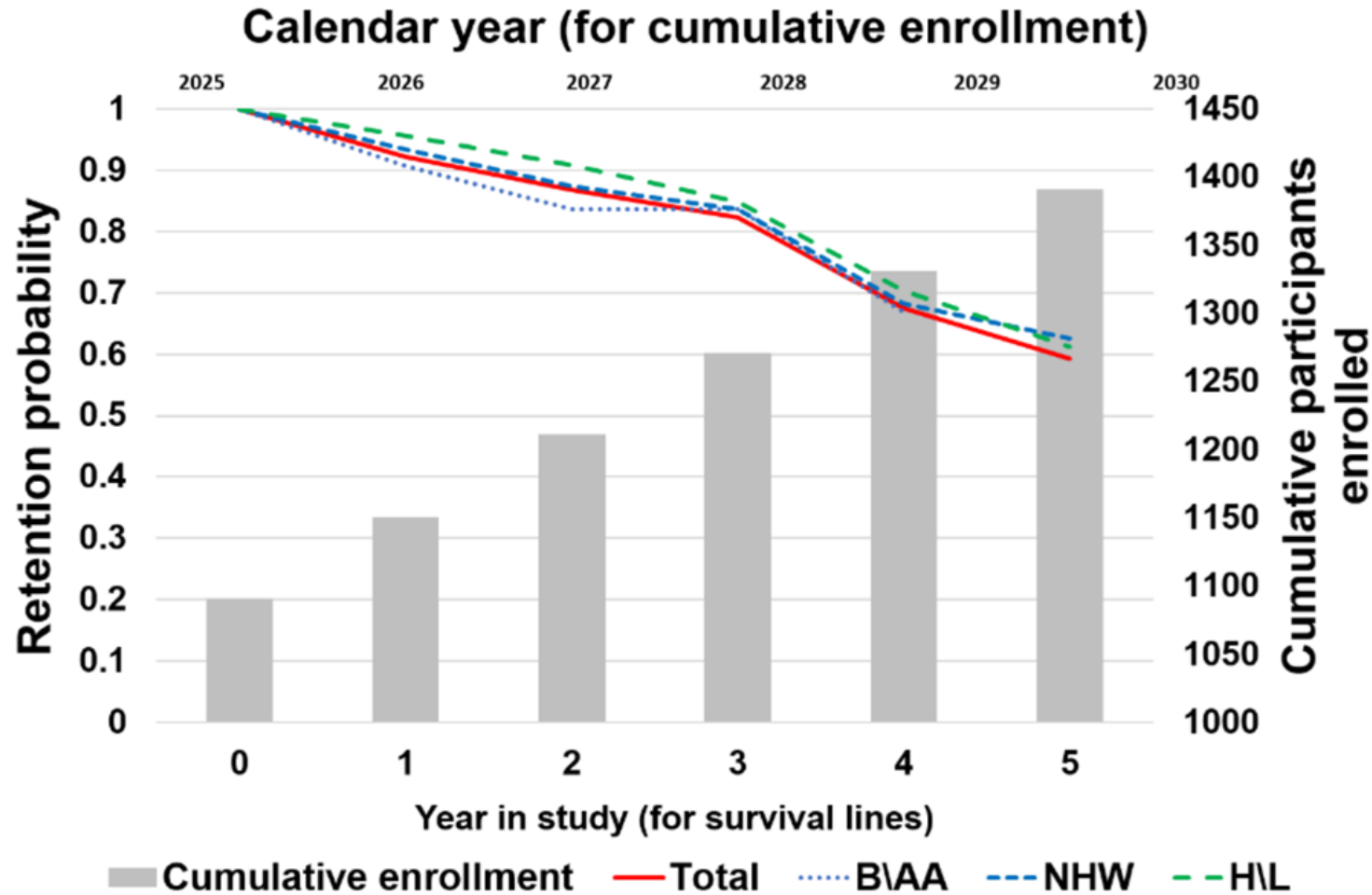
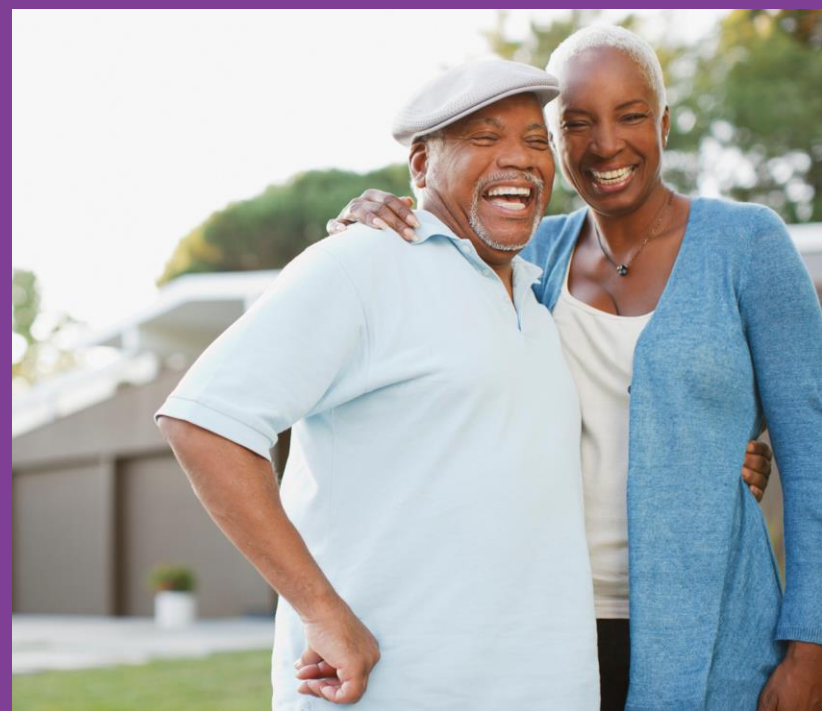


Figure 3. Retention rate overall, and by ethno-racial group, superimposed on cumulative enrollment accruing with replacement of attrition.

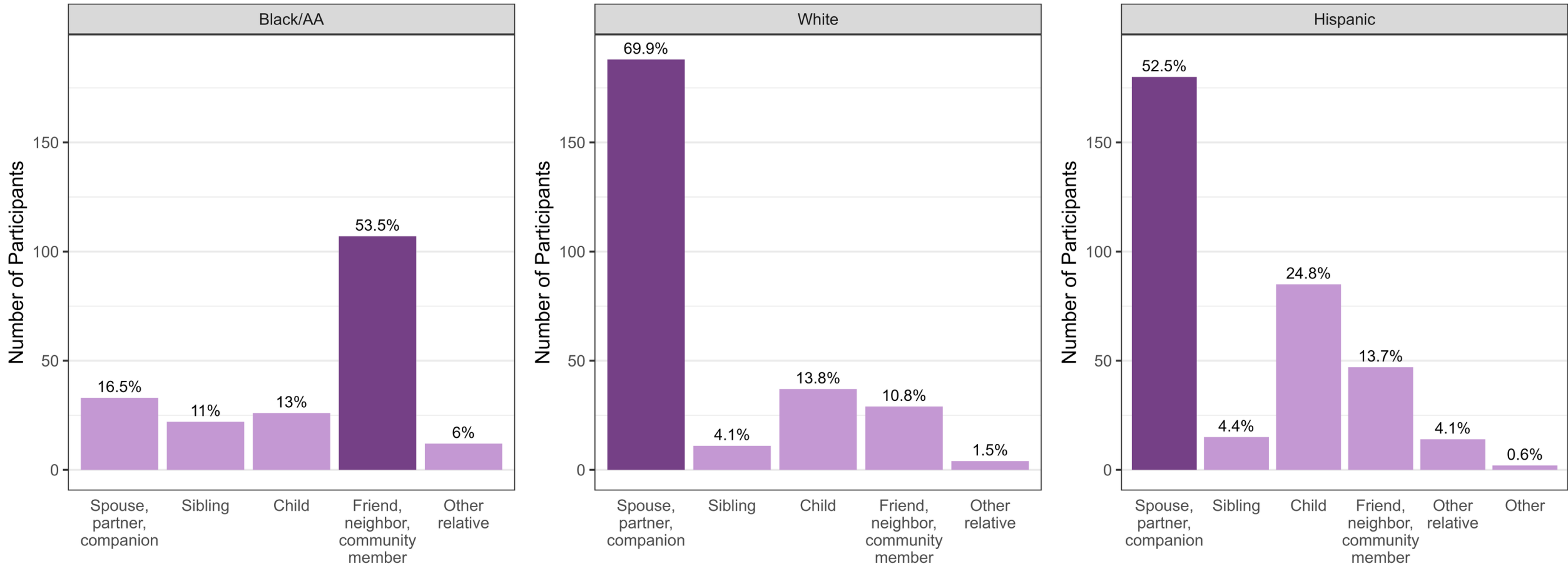
WHAT
ISSUES WILL
WE HAVE
TO
CONTEND
WITH?



	<i>Cognitive Phenotype</i>						<i>Racial-Ethnic Group</i>			
	Clinically Normal (N=142)	Impaired-Not MCI (N=112)	Amnesic MCI (N=278)	Amnesic Dementia (N=145)	Non-Amnesic MCI (N=102)	Non-Amnesic Dementia (N=11)	Total Sample (N=853*)	H/L (N=339)	BNH (N=205)	WNH (N=270)
DEMOGRAPHICS										
Female	65%	60%	51%	63%	51%	18%	55%	62%	54%	51%
Less than 4yr college	49%	53%	55%	52%	54%	55%	52%	53%	82%	33%
Spanish Primary Language	23%	32%	32%	48%	31%	9%	34%	83%	0%	0%
BIOMARKERS										
ApoE 4 Carrier	21%	16%	21%	38%	23%	18%	23%	27%	18%	23%
A+ (positive PET visual read)	13%	24%	46%	75%	28%	75%	41%	45%	16%	43%
N+ (Diffuse cortical atrophy)	7%	18%	34%	25%	25%	17%	23%	30%	4%	27%
V+ (WMH-Q M+E)	28%	33%	45%	58%	39%	83%	42%	41%	43%	43%
CLINICAL DX										
Clinical AD	0%	16%	41%	71%	16%	36%	30%	35%	17%	36%
Clinical LBD	0%	1%	3%	2%	16%	55%	4%	1%	0%	11%
BIOMARKER ACQUISITION										
MRI scanned	85%	79%	73%	79%	75%	55%	73%	76%	63%	80%
Amyloid scanned	63%	48%	59%	72%	74%	73%	59%	69%	24%	78%
T +/-P217 available	82%	80%	73%	79%	73%	45%	74%	78%	77%	72%
I +/- GFAP available	82%	84%	78%	82%	76%	45%	77%	83%	78%	75%

RELATIONSHIP OF INFORMANTS

Participant-Informant relationships by racial and ethnic background

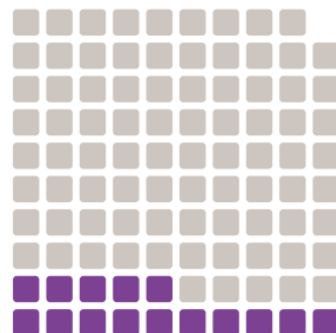


MEDICAL COMORBIDITIES ARE MORE PREVALENT AMONG BAA AND H/L OLDER ADULTS

BNH
Absent (72%)
Present (28%)



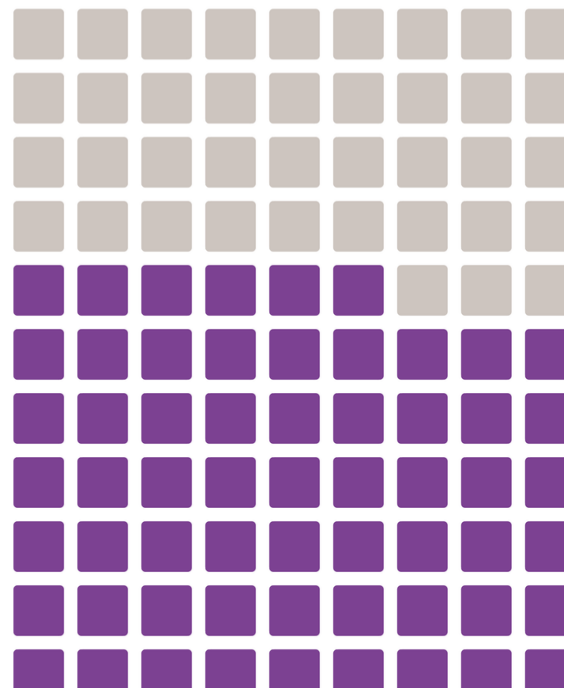
WNH
Absent (84.8%)
Present (15.2%)



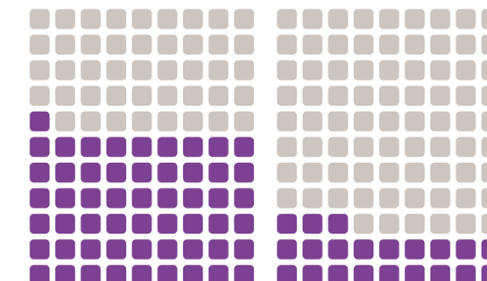
Hispanic (Any race)
Absent (81.7%)
Present (18.3%)



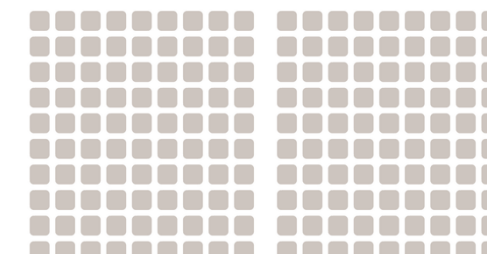
Absent (39.2%)
Present (60.8%)



Absent (44.8%) Present (55.2%)
Absent (78.7%) Present (21.3%)



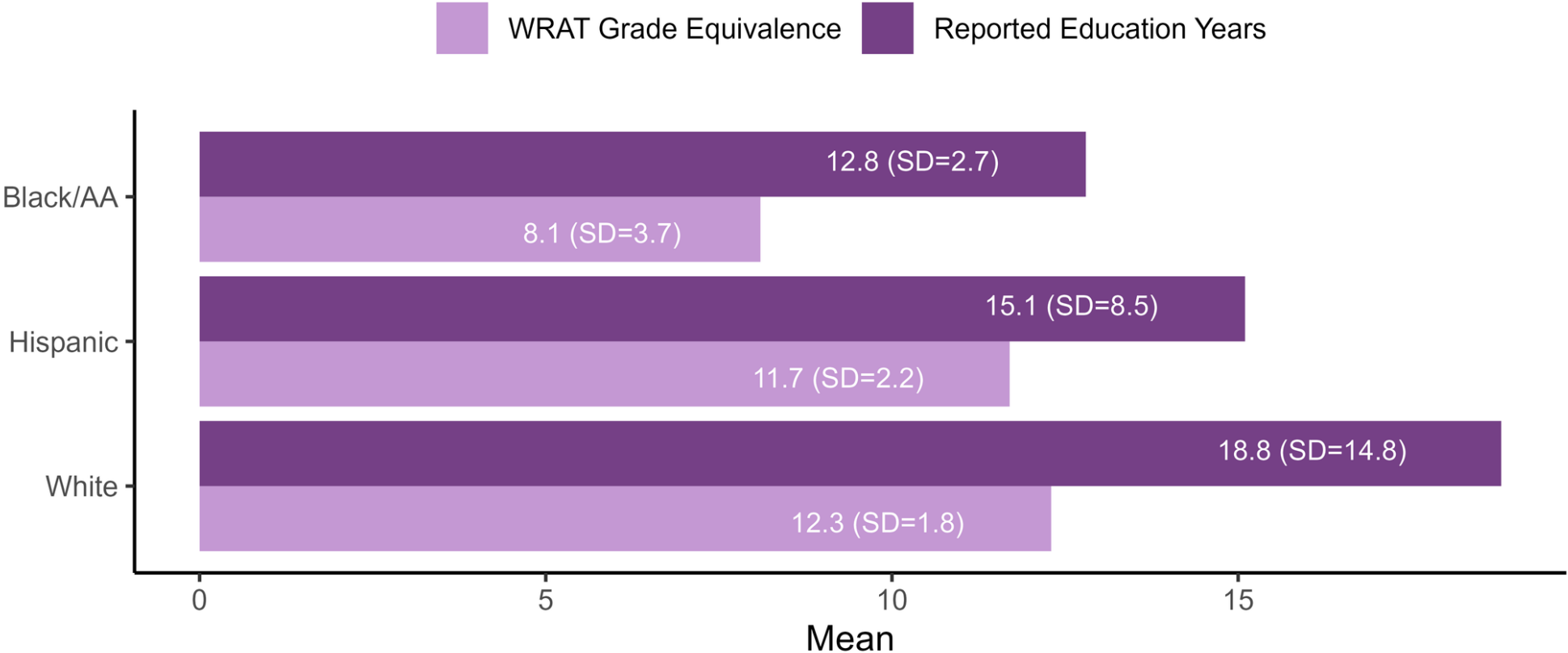
Heart Attack Absent (95.4%) Present (4.6%)
Stroke Absent (95.6%) Present (4.4%)



EDUCATIONAL DISADVANTAGE ON NEUROPSYCHOLOGICAL ASSESSMENT

Comparison of Literacy Level (WRAT GE) with Reported Education Years

**Maximum WRAT GE was 13 which causes ceiling effect on literacy level*

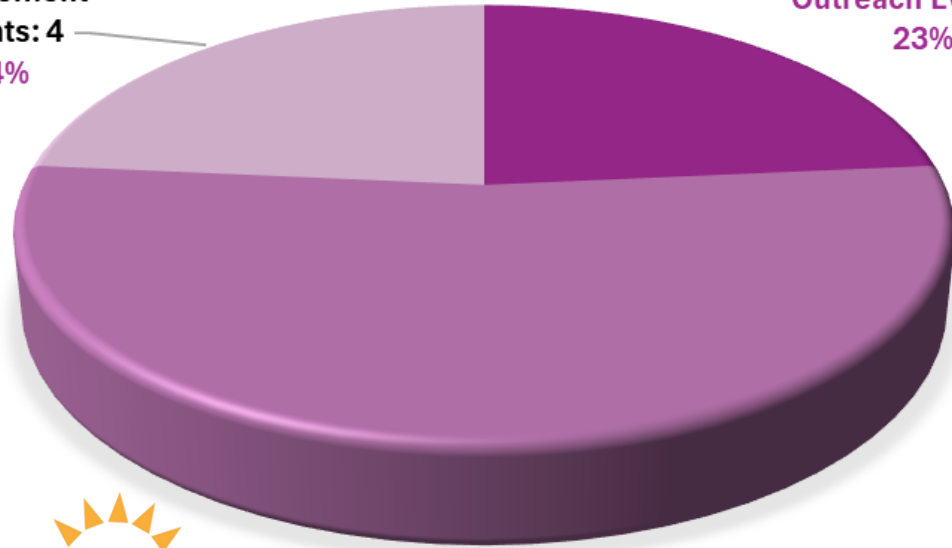


**WRAT Grade Equivalence (GE) above maximum possible GE of 12.9 was set to 13 (n=207), below 1.1 was set to 0 (n=1). This was done to be able to calculate a mean of the WRAT GE (scale: '<K', 1.1-12.9, '>12.9').*

OCTOBER 2024 OUTREACH EVENTS

Community
Engagement
Events: 4
24%

Educational
Outreach Events: 4
23%



Health Fairs: 9
53%

ORE EVENTS

1 Broad and Inclusive Outreach

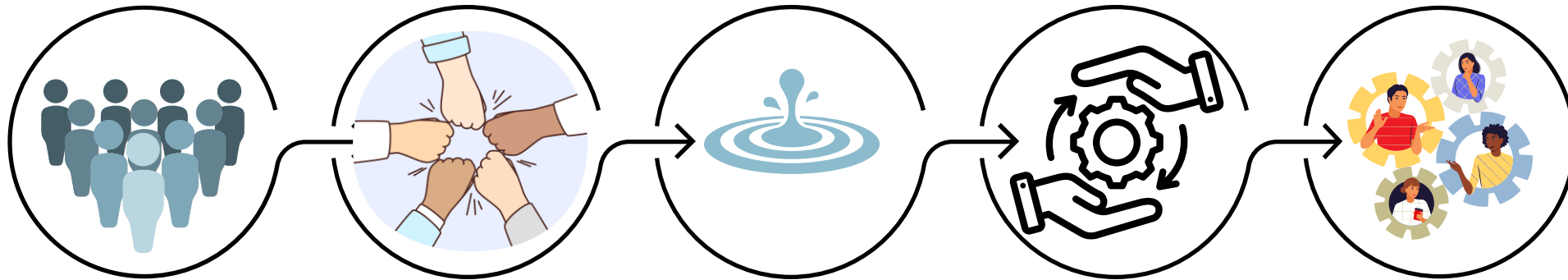
In 2024, we participated in +80 community-based events, including visits to faith communities, community centers, health fairs, and more.

2 Build Relationships

Foster trust with the primary objective of GIVING and being a RESOURCE to the community.

3 "Ripple Effect"

Motivated community leaders take an active role in promoting brain health, research and the importance of ADRD awareness within the community.



4 Deepen Community Engagement

Focus on making these relationships long-lasting.

5 Sustainable Academic-Community Partnerships

Community Ambassadors ensure that our research resonates with the needs of those we serve and the Center serves as a vital bridge between the ADRC and Floridians

NOVEL APPROACHES

Mobile **A**lzheimer's **D**isease **R**isk **E**valuation (MADRE)

Model designed specifically to enhance accessibility for Hispanic/Latino older adults.

Addresses multiple barriers to participation and its focus on predominantly Spanish-speaking populations allows us to reach individuals on the fringes, that would otherwise not participate in research.

Facilitates comprehensive assessments in the comfort of the participant's home or community centers.

Fully computerized to reduce participant burden, increase standardization, and ensure efficient data capture.

Implements novel cross-culturally validated cognitive tests that map onto AD/ADRD biomarkers

A vibrant cornfield at sunset. The foreground is filled with lush green corn plants, their leaves catching the low light of the setting sun. The sun is a bright, glowing orb on the horizon, casting a warm, golden light across the sky and the field. The sky transitions from a deep blue at the top to a soft orange and yellow near the horizon, with wispy white clouds scattered throughout. In the distance, a line of trees and a few structures are visible against the horizon. The overall mood is peaceful and hopeful.

If you build it,
they will come



we will meet you
where you are

STRENGTH

BAM!