Amyloid PET imaging in self-identified non-Hispanic Blacks from the Anti-Amyloid in Asymptomatic Alzheimer's Disease (A4) Study – Supplementary Data

Kacie Deters, PhDa; Valerio Napolioni, PhDa; Reisa A. Sperling, MDb; Gabriel Kennedy, BSa; Michael D. Greicius, MDa; Richard Mayeux, MDc,de; Timothy Hohman, PhDf,g; Elizabeth C. Mormino, PhDa

^aDepartment of Neurology and Neurological Sciences, Stanford University School of Medicine, Palo Alto, CA

^bDepartment of Neurology, Brigham and Women's Hospital, Massachusetts General Hospital, Boston, MA

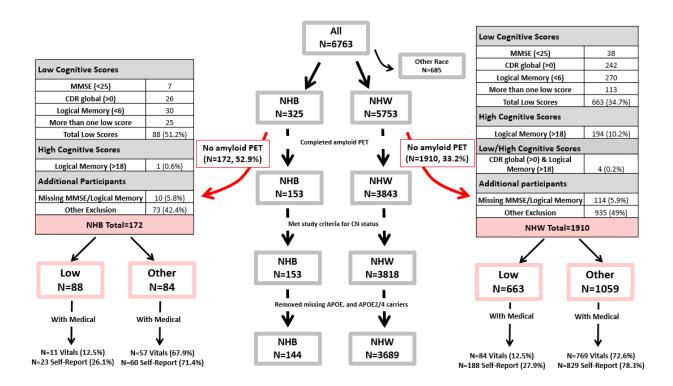
^cDepartment of Neurology, ^dThe Taub Institute for Research on Alzheimer's Disease and The Aging Brain, ^eThe Institute for Genomic Medicine Columbia University Medical Center and The New York Presbyterian Hospital, New York, NY

^fVanderbilt Memory and Alzheimer's Center, ^gVanderbilt Genetics Institute, Nashville, TN

Corresponding author
Kacie Deters, PhD
Department of Neurology and Neurological Sciences
Stanford University School of Medicine, Palo Alto, CA
Email: kdeters@stanford.edu

Abstract

The goal of the manuscript was to examine whether amyloid PET in CN individuals that were screened for the Anti-Amyloid in Asymptomatic AD (A4) study differed across self-identified, non-Hispanic White and Black (NHW and NHB) groups. We examined 3685 NHW and 144 NHB that passed initial screening for the A4 study and underwent amyloid PET. The effect of race on amyloid PET was examined using logistic (dichotomous groups) and linear (continuous values) regression controlling for age, sex, and number of $APOE\ \varepsilon 4$ and $APOE\ \varepsilon 2$ alleles. Lifestyle factors and medical conditions were available for the majority of individuals that received an amyloid PET scan. Additional sensitivity analyses were run to examine potential effects between amyloid and lifestyle as well as self-reported medical conditions that differed by race. Reduced amyloid was observed in self-identified non-Hispanic Blacks that passed initial eligibility criteria for the A4 Study, but lifestyle and vascular factors did not impact this effect. This work stresses the importance of investigating AD biomarkers in ancestrally diverse samples as well as the need for careful consideration regarding study eligibility criteria in AD prevention trials.



Supplementary Figure 1: Flowchart of study design showing all screening data used throughout the manuscript. Among "screen-fail" participants not eligible for amyloid PET, additional data is shown regarding screen-fail as a function of neuropsychological cut offs. Participants are listed for exclusion based on individual testing criteria if exclusion was based on single criteria, and classified as more than 1 if excluded based on 2 or more criteria (MMSE, CDR, and/or Logical Memory). Participants that were excluded for exceeding the upper bound of allowable logical memory scores are also listed. Remaining participants that were excluded but had testing scores within the eligible range are listed as unknown and could be due to co-morbid conditions, participant withdrawal, etc.

	NHB	NHW full	NHW Matched
N	144	3689	288
Age (years)	70.77 (4.87)	71.24 (4.67)	70.72 (4.44)
Education ¹ (years)	16.10 (2.76)	16.65 (2.83)	16.27 (2.63)
Sex (Female) ¹	105 (72.9)	2199 (59.6)	215 (74.7)
Lifestyle Factors	,		
Endorse current			
Smokers ¹	5 (3.5)	45 (1.2)	4 (1.4)
Endorse current Alcohol ^{1,}			
2	34 (23.8)	1886 (51.1)	141 (49.0)
Systolic BP ^{1, 2}	139.98 (16.76)	136.50 (16.32)	136.07 (15.96)
Diastolic BP ^{1, 2}	79.56 (9.88)	76.41 (9.34)	76.39 (8.67)
BMI ^{1, 2}	30.17 (6.17)	27.54 (5.03)	27.37 (4.89)
Self-Reported Medical Con		I 4002 (00 C)	L00 (24 4)
Psychiatric ^{1, 2}	25 (17.4)	1093 (29.6)	99 (34.4)
Neurologic (other than	04 (04 5)	4400 (00 0)	00 (00 0)
AD) ¹	31 (21.5)	1139 (30.9)	83 (28.8)
Head, Eyes, Ears, Nose,	00 (45 0)	0000 (54.0)	404 (50.0)
Throat ^{1,2}	66 (45.8)	2023 (54.8)	164 (56.9)
Cardiovascular ^{1, 2}	106 (73.6)	2399 (65.0)	178 (61.8)
Respiratory	22 (15.3)	814 (22.1)	59 (20.5)
Hepatic	6 (4.2)	120 (3.3)	5 (1.7)
Dermatologic-Connective	04 (40.7)	4400 (00.5)	400 (05.4)
Tissue ^{1, 2}	24 (16.7)	1198 (32.5)	102 (35.4)
Musculoskeletal	101 (70.1)	2596 (70.4)	219 (76.0)
Endocrine-Metabolic	75 (52.1)	1910 (51.8)	157 (54.5)
Gastrointestinal ^{1, 2}	53 (36.8)	1723 (46.7)	144 (50.0)
Hematopoietic-	44 (0.7)	254 (0.0)	00 (0 0)
Lymphatic	14 (9.7)	354 (9.6)	26 (9.0)
Renal-Genitourinary	47 (32.6)	1488 (40.3)	104 (36.1)
Allergies or Drug	FF (00.0)	4.400 (00.5)	404 (40.4)
Sensitivities	55 (38.2)	1420 (38.5)	124 (43.1)
Smoking, Alcohol Use,	7 (4 0)	220 (6 2)	16 (5 6)
and/or Drug Use	7 (4.9)	229 (6.2)	16 (5.6)
Malignancy	23 (16.0)	430 (11.7)	36 (12.5)
Major Surgical	04 (65.2)	2740 (72.7)	205 (74.2)
Procedures ¹	94 (65.3)	2718 (73.7)	205 (71.2)
Other	33 (22.9)	984 (26.7)	79 (27.4)
None indicated ^{1, 2}	0 (0.0)	5 (0.1)	1 (0.3)

Supplementary Table 1: Vascular lifestyle factors and self-reported medical conditions in NHB and NHW groups. Mean (standard deviation) are listed for continuous values. N and percentages are listed for categorical variables. For endorsing current smoking and alcohol consumption, as well as all self-reported medical conditions, the number and percentages of participants endorsing each category are listed (irrespective of the total number of conditions indicated within a

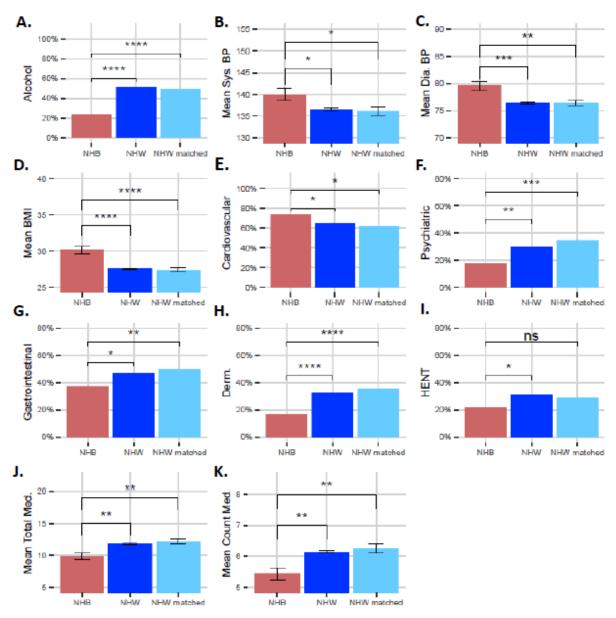
category). Lifestyle factors and medical conditions were examined using self-report during the initial screening visit for some participants (see S. Figure 1 to show patterns of missingness). For vascular lifestyle factors, we examined the "SMOKE" (endorsing current smoking) and "ALCOHOL" (endorsing current drinking) variables from the data sheet titled "HABITS.csv" sheet. These variables were treated as binary in our analysis (yes/no). We additionally examined "STDWT" (weight), "STDHT" (height), "VSBPSYS" (systolic blood pressure), "VSBPDIA" (diastolic blood pressure) variables from the "VITALS.csv" sheet. Body mass index (BMI) was calculated as weight in kilograms divided by height in meters squared. For self-reported medical conditions, we examined the data sheet titled "INITHEALTH.csv" sheet, and used the variable called 'IHSYMPTOM' that describes health symptoms across multiple categories spanning 17 categories. Differences between groups for continuous variables (age, education, blood pressure, and BMI) were performed with t-tests. Differences between groups for categorical variables (sex, endorse smoking, endorse drinking, and all self-reported medical conditions) were performed with chi-squared tests. We examined the following two contrasts (with significance at p<0.05 and indicated by numerical superscripts): ¹NHB and full NHW. ²NHB and matched NHW.

	Frontal amyloid SUVR		Precuneus amyloid SUVR	
	Full NHW vs NHB	Matched NHW vs NHB	Full NHW vs NHB	Matched NHW vs NHB
Race (NHW vs NHB)	0.022 (0.014) p=0.107	0.048 (0.017) p=0.006	0.075 (0.019) p<0.0001	0.095 (0.023) p<0.0001
Gender (Female v Male)	0.041 (0.005) p<0.0001	0.063 (0.018) p=0.001	-0.001 (0.008) p=0.906	0.02 (0.025) p=0.416
Age (Years)	0.005 (0.001) p<0.0001	0.004 (0.002) p=0.023	0.01 (0.001) p<0.0001	0.006 (0.002) p=0.012
APOE4 (0, 1, 2)	-0.015 (0.008) p=0.055	-0.007 (0.024) p=0.78	-0.029 (0.011) p=0.008	-0.03 (0.033) p=0.352
APOE2 (0, 1, 2)	0.12 (0.005) p<0.0001	0.130 (0.015) p<0.0001	0.163 (0.007) p<0.0001	0.16 (0.02) p<0.0001

Supplementary Table 2. Linear regression models summarizing effect of race on amyloid regions. We examined frontal and precuneus brain regions since these are regions that show early deposition. NHB showed significantly reduced amyloid compared to NHW, with the exception of the contrast of NHB versus the full NHW sample for frontal.

A) Logisti	c Regression Predicting Amyloic	d group. Odds ratio (95% CI)
, <u> </u>	Full NHW Sample vs NHB	Matched NHW Sample vs NHB
Race (NHW v NHB)	1.98 (1.24-3.25) p=0.005	2.33 (1.35-4.16) p=0.003
Gender (Female v Male)	1.2 (1.02-1.42) p=0.024	1.37 (0.78-2.48) p=0.283
Age (years)	1.1 (1.08-1.12) p<0.0001	1.09 (1.04-1.15) p=0.001
APOE2	0.00 (0.54.0.04) = 0.040	
(0, 1, 2)	0.69 (0.51-0.91) p=0.012	1.12 (0.45-2.49) p=0.794
<i>APOE4</i> (0, 1, 2)	4.74 (4.1-5.5) p<0.0001	5.67 (3.62-9.13) p<0.0001
MMSE	0.93 (0.87-0.99) p<0.0001	0.99 (0.81-1.22) p=0.92
B) Linear Regres	sion Predicting Continuous Amy error)	rloid SUVR. Beta estimate (standard
B) Linear Regres		loid SUVR. Beta estimate (standard Matched NHW Sample vs NHB
B) Linear Regress Race (NHW v NHB)	error)	·
Race	error) Full NHW Sample vs NHB	Matched NHW Sample vs NHB
Race (NHW v NHB) Gender	error) Full NHW Sample vs NHB 0.049 (0.015) p=0.001	Matched NHW Sample vs NHB 0.065 (0.018) p<0.0001
Race (NHW v NHB) Gender (Female v Male)	error) Full NHW Sample vs NHB 0.049 (0.015) p=0.001 0.018 (0.006) p=0.002	Matched NHW Sample vs NHB 0.065 (0.018) p<0.0001 0.0364 (0.019) p=0.062
Race (NHW v NHB) Gender (Female v Male) Age (years)	error) Full NHW Sample vs NHB 0.049 (0.015) p=0.001 0.018 (0.006) p=0.002 0.007 (0.001) p<0.0001	Matched NHW Sample vs NHB 0.065 (0.018) p<0.0001 0.0364 (0.019) p=0.062 0.0052 (0.002) p=0.006

Supplementary Table 3. Regression models summarizing effect of race on amyloid, controlling for MMSE score.



Supplementary Figure 2. Lifestyle factors and medical conditions that were significantly different between PET eligible NHB and NHW (either full or matched) as identified in S. Table 1. Each participant self-reported medical conditions during the initial screening visit, as listed in S. Table 1. Mean Total Med. = The y-axis shows the mean total number of total medical conditions reported by each participant collapsed across categories listed in S. Table 1. NHW reported more medical conditions compared to NHB (NHB vs NHW, p=0.001; NHB vs NHW matched, p=0.002). No difference was observed between screen-fail groups within each race (NHB fail vs NHB, p=0.631; NHW fail vs NHW, p=0.277). Mean Count Med. = Total number of medical conditions reported by each participant (score = 1 for each condition reported in Table 1; range=0-17). NHW reported more co-morbid medical conditions compared to NHB (NHB vs NHW, p<0.001; NHB vs NHW matched, p=0.0004). Within racial groups, NHW and NHB reported more co-morbid medical conditions compared to the screen-fail group (NHW fail vs NHW, p<0.001; NHB fail vs NHB, p<0.001). *p<0.05; **p<0.01; ****p<0.001; ****p<0.0001; ****p<0.0001

Logistic Regression Predicting Amyloid Group. Odds ratio (95% CI)			
	Full NHW Sample vs NHB	Matched NHW Sample vs NHB	
Race (NHW v NHB)	1.99 (1.24-3.32) p=0.006	2.49 (1.38-4.64) p=0.003	
Gender (Female v Male)	1.17 (0.99-1.38) p=0.063	1.43 (0.8-2.64) p=0.234	
Age (years)	1.1 (1.08-1.12) p<0.0001	1.08 (1.03-1.14) p=0.003	
APOE2 (0, 1, 2)	0.71 (0.52-0.94) p=0.021	1.22 (0.49-2.73) p=0.652	
APOE4 (0, 1, 2)	4.75 (4.1-5.51) p<0.0001	5.87 (3.72-9.54) p<0.0001	
Cardiovascular (Yes v No)	1.11 (0.94-1.32) p=0.213	1.44 (0.85-2.47) p=0.18	
Alcohol (Yes v No)	0.99 (0.85-1.16) p=0.922	1.13 (0.68-1.88) p=0.622	
Systolic BP	1.00 (1-1.01) p=0.403	1.00 (0.99-1.02) p=0.593	
Diastolic BP	1.00 (0.99-1.01) p=0.57	1.01 (0.98-1.04) p=0.732	
ВМІ	0.99 (0.97-1) p=0.148	0.99 (0.94-1.04) p=0.614	
Unadjusted effect of race			
Race (NHW v NHB)	1.94 (1.22-3.19) p=0.007	2.33 (1.35-4.13) p=0.003	
Linear Regression	Linear Regression Predicting Amyloid Group. Beta estimate (standard error)		
	Full NHW Sample vs NHB	Matched NHW Sample vs NHB	
Race (NHW v NHB)	0.046 (0.015) p=0.002	0.066 (0.020) p=0.001	
Gender (Female v Male)	0.016 (0.006) p=0.008	0.038 (0.020) p=0.055	
Age (years)	0.007 (0.001) p<0.0001	0.005 (0.002) p=0.012	
Age (years) APOE2 (0, 1, 2)	0.007 (0.001) p<0.0001 -0.019 (0.009) p=0.024	0.005 (0.002) p=0.012 -0.015 (0.026) p=0.564	
APOE2 (0, 1, 2) APOE4 (0, 1, 2)	` '.	0.005 (0.002) p=0.012	
APOE2 (0, 1, 2) APOE4 (0, 1, 2) Cardiovascular (Yes v No)	-0.019 (0.009) p=0.024	0.005 (0.002) p=0.012 -0.015 (0.026) p=0.564	
APOE2 (0, 1, 2) APOE4 (0, 1, 2) Cardiovascular (Yes v No) Alcohol (Yes v No)	-0.019 (0.009) p=0.024 0.133 (0.005) p<0.0001 0.009 (0.006) p=0.131 0.001 (0.006) p=0.889	0.005 (0.002) p=0.012 -0.015 (0.026) p=0.564 0.137 (0.016) p<0.0001 0.012 (0.018) p=0.53 0.008 (0.018) p=0.67	
APOE2 (0, 1, 2) APOE4 (0, 1, 2) Cardiovascular (Yes v No) Alcohol (Yes v No) Systolic BP	-0.019 (0.009) p=0.024 0.133 (0.005) p<0.0001 0.009 (0.006) p=0.131	0.005 (0.002) p=0.012 -0.015 (0.026) p=0.564 0.137 (0.016) p<0.0001 0.012 (0.018) p=0.53	
APOE2 (0, 1, 2) APOE4 (0, 1, 2) Cardiovascular (Yes v No) Alcohol (Yes v No)	-0.019 (0.009) p=0.024 0.133 (0.005) p<0.0001 0.009 (0.006) p=0.131 0.001 (0.006) p=0.889 0.0001 (0.0002) p=0.708 -0.00005 (0.0004) p=0.895	0.005 (0.002) p=0.012 -0.015 (0.026) p=0.564 0.137 (0.016) p<0.0001 0.012 (0.018) p=0.53 0.008 (0.018) p=0.67	
APOE2 (0, 1, 2) APOE4 (0, 1, 2) Cardiovascular (Yes v No) Alcohol (Yes v No) Systolic BP	-0.019 (0.009) p=0.024 0.133 (0.005) p<0.0001 0.009 (0.006) p=0.131 0.001 (0.006) p=0.889 0.0001 (0.0002) p=0.708	0.005 (0.002) p=0.012 -0.015 (0.026) p=0.564 0.137 (0.016) p<0.0001 0.012 (0.018) p=0.53 0.008 (0.018) p=0.67 0.0001 (0.001) p=0.841	
APOE2 (0, 1, 2) APOE4 (0, 1, 2) Cardiovascular (Yes v No) Alcohol (Yes v No) Systolic BP Diastolic BP	-0.019 (0.009) p=0.024 0.133 (0.005) p<0.0001 0.009 (0.006) p=0.131 0.001 (0.006) p=0.889 0.0001 (0.0002) p=0.708 -0.00005 (0.0004) p=0.895	0.005 (0.002) p=0.012 -0.015 (0.026) p=0.564 0.137 (0.016) p<0.0001 0.012 (0.018) p=0.53 0.008 (0.018) p=0.67 0.0001 (0.001) p=0.841 0.0004 (0.001) p=0.689 -0.001 (0.002) p=0.622	

Supplementary Table 4: Regression models summarizing effect of vascular risk factors on amyloid. Smoking was excluded because of the small number of participants that endorse current smoking for NHB (N=5) and NHW matched (N=2). Lifestyle variables that were significantly different in NHB and NHW were added to models predicting amyloid to determine whether race remained significantly associated with amyloid. BP=blood pressure; BMI=body mass index. Overall, race remained significantly association with amyloid. There was no association between any lifestyle variable and amyloid. The effect of race on amyloid from the manuscript (without adjustment for lifestyle variables) is listed for reference.

Logistic Regression Predicting Amyloid Group. Odds ratio (95% CI)			
	Full NHW Sample vs NHB	Matched NHW Sample vs NHB	
Race (NHW v NHB)	1.86 (1.17-3.06) p=0.012	2.46 (1.39-4.49) p=0.002	
Gender (Female v Male)	1.16 (0.99-1.37) p=0.075	1.43 (0.81-2.6) p=0.199	
Age (years)	1.1 (1.08-1.12) p<0.0001	1.09 (1.03-1.15) p=0.002	
APOE2 (0, 1, 2)	0.69 (0.51-0.91) p=0.012	1.18 (0.48-2.64) p=0.649	
APOE4 (0, 1, 2)	4.71 (4.07-5.46) p<0.0001	6.05 (3.81-9.93) p=<0.0001	
Psychiatric (Yes v No)	1.1 (0.92-1.3) p=0.298	0.69 (0.39-1.18) p=0.168	
HENT (Yes v No)	1.23 (1.05-1.45) p=0.012	1.61 (0.97-2.69) p=0.052	
Dermatology (Yes v No)	1.05 (0.89-1.25) p=0.542	1 (0.63-1.87) p=0.118	
GI (Yes v No)	1.02 (0.87-1.2) p=0.768	0.81 (0.49-1.33) p=0.854	
Unadjusted effect of race			
Race (NHW v NHB)	1.94 (1.22-3.19) p=0.007	2.33 (1.35-4.13) p=0.003	
Linear Regression Predicting Amyloid Group. Beta estimate (standard error)			
Full NHW Sample vs NHB Matched NHW Sample vs NHB			
Race (NHW v NHB)	0.044 (0.015) p=0.003	0.062 (0.019) p=0.001	
Gender (Female v Male)	0.014 (0.006) p=0.019	0.039 (0.020) p=0.05	
Age (years)	0.007 (0.001) p<0.0001	0.005 (0.002) p=0.011	
APOE2 (0, 1, 2)	-0.021 (0.008) p=0.015	-0.017 (0.026) p=0.509	
APOE4 (0, 1, 2)	0.133 (0.005) p<0.0001	0.138 (0.016) p<0.0001	
Psychiatric (Yes v No)	0.009 (0.006) p=0.155	-0.005 (0.019) p=0.79	
HENT (Yes v No)	0.011 (0.006) p=0.063	0.017 (0.018) p=0.334	
Dermatology	-0.002 (0.006) p=0.789	0.024 (0.020) p=0.228	
	0.002 (0.006) 5-0.679	-0.008 (0.017) p=0.662	
GI	-0.002 (0.006) p=0.678	0.000 (0.017) p=0.002	
GI	Unadjusted effect of race	, ,,	

Supplementary Table 5: Regression models summarizing effect of medical health conditions on amyloid. Medical conditions that were significantly different in NHB and NHW were added to models predicting amyloid to determine whether race remained significantly associated with amyloid. HENT=head, eyes, ears, nose, throat; Gl=gastrointestinal. Overall, race remained significantly association with amyloid. There was no association between any medical condition and amyloid. The effect of race on amyloid from the manuscript (without adjustment for medical conditions) is listed for reference.

	Model 1		
Logistic Regression Predicting Amyloid Group. Odds ratio (95% CI)			
	Full NHW Sample vs NHB	Matched NHW Sample vs NH	
Race (NHW v NHB)	1.84 (1.15-3.03) p=0.013	2.21 (1.28-3.95) p=0.006	
Gender (Female v Male)	1.13 (0.96-1.33) p=0.149	1.33 (0.75-2.4) p=0.337	
Age (years)	1.1 (1.08-1.12) p<0.0001	1.09 (1.03-1.15) p=0.001	
APOE2 (0, 1, 2)	0.69 (0.51-0.92) p=0.014	1.08 (0.44-2.4) p=0.858	
APOE4 (0, 1, 2)	4.69 (4.06-5.45) p<0.0001	5.59 (3.57-9) p=<0.0001	
Endorsed Medical Categories	1.03 (1.02-1.04) p<0.0001	1.02 (0.99-1.06) p=0.181	
	Unadjusted effect of race	•	
Race (NHW v NHB)	1.94 (1.22-3.19) p=0.007	2.33 (1.35-4.13) p=0.003	
Linear Regression Pred	icting Amyloid Group. Beta estim	ate (standard error)	
	Full NHW Sample vs NHB	Matched NHW Sample vs NH	
Race (NHW v NHB)	0.043 (0.015) p=0.004	0.063 (0.018) p=0.001	
Gender (Female v Male)	0.013 (0.006) p=0.021	0.034 (0.02) p=0.082	
Age (years)	0.007 (0.001) p<0.0001	0.0049 (0.002) p=0.009	
APOE2 (0, 1, 2)	-0.02 (0.008) p=0.016	-0.019 (0.026) p=0.465	
APOE4 (0, 1, 2)	0.132 (0.005) p<0.0001	0.136 (0.016) p<0.0001	
Endorsed Medical Categories	0.001 (0) p=0.004	0.001 (0.001) p=0.297	
	Unadjusted effect of race	•	
Race (NHW v NHB)	0.046 (0.015) p=0.002	0.066 (0.018) p=0.0003	
	Model 2		
Logistic Regression	n Predicting Amyloid Group. Odd		
	Full NHW Sample vs NHB	Matched NHW Sample vs NH	
Race (NHW v NHB)	1.85 (1.16-3.05) p=0.012	2.23 (1.29-3.99) p=0.005	
Gender (Female v Male)	1.14 (0.97-1.34) p=0.113	1.35 (0.77-2.44) p=0.306	
Age (years)	1.1 (1.08-1.12) p<0.0001	1.09 (1.04-1.15) p=0.001	
APOE2 (0, 1, 2)	0.7 (0.52-0.93) p=0.016	1.1 (0.44-2.44) p=0.83	
APOE4 (0, 1, 2)	4.7 (4.06-5.46) p<0.0001	5.61 (3.59-9.03) p<0.0001	
Total Medical Conditions	1.07 (1.04-1.11) p<0.0001	1.06 (0.96-1.17) p=0.275	
	Unadjusted effect of race		
Race (NHW v NHB)	1.94 (1.22-3.19) p=0.007	2.33 (1.35-4.13) p=0.003	
Linear Regression Pred	icting Amyloid Group. Beta estim		
	Full NHW Sample vs NHB	Matched NHW Sample vs NH	
Race (NHW v NHB)	0.044 (0.015) p=0.003	0.063 (0.018) p=0.001	
Gender (Female v Male)	0.014 (0.006) p=0.015	0.036 (0.019) p=0.068	
Age (years)	0.007 (0.001) p<0.0001	0.005 (0.002) p=0.008	
APOE2 (0, 1, 2)	-0.02 (0.008) p=0.017	-0.018 (0.026) p=0.485	
APOE4 (0, 1, 2)	0.132 (0.005) p<0.0001	0.1365 (0.016) p<0.0001	
Total Medical Conditions	0.002 (0.001) p=0.043	0.004 (0.003) p=0.29	
	Unadjusted effect of race		
Race (NHW v NHB)	0.046 (0.015) p=0.002	0.066 (0.018) p=0.0003	

Supplementary Table 6: Regression models summarizing effect of medical health conditions on amyloid. Model 1: Endorsed Medical Categories are the total number of medical categories endorsed by each participant (score = 1 for each condition reported in Table 1; range=0-17. Model

2: Total medical conditions is the number of total medical conditions reported by each participant collapsed across categories listed in S. Table 1. First, the total category and number of self-reported medical condition burden was shown to be significantly reduced in NHB compared to NHW (S. Figure 2 J-K). We therefore added medical condition burden to models predicting amyloid to determine whether race remained significantly associated with amyloid. The effect of race on amyloid from the manuscript (without adjustment for medical condition burden) is listed for reference.