

	HRS	HRS	P-value
	cohort	(survey)	(survey-cohort)
<b>BMI, kg/m<sup>2</sup></b>	28.6 (6.39)	28.41 (6.52)	0.37
<b>SBP, mmHg</b>	131 (57.91)	132.37 (79.80)	0.55
<b>DBP, mmHg</b>	83.6 (57.9)	83.82 (62)	0.91
<b>Age, year</b>	65.7 (11.06)	64.8 (10.76)	0.01
<b>Race</b>			
Asian and other	90 (4.9%)	1560769 (5.3%)	<0.001
Black	384 (20.8%)	2924738 (10%)	
Hispanic	267 (14.5%)	2576701 (8.8%)	
White	1106 (59.9%)	22158132 (75.8%)	
<b>Education, years</b>	13.2 (3.01)	13.63 (2.84)	<0.001
<b>Marital Status</b>			<0.001
Divorced	368 (19.9%)	4750118 (16.3%)	
Married	834 (45.2%)	14911802 (51%)	
Widowed	181 (9.8%)	3182982 (10.9%)	
Separated	459 (24.8%)	6327198 (21.7%)	
Single	5 (0.3%)	48240 (0.1%)	
<b>Smoking Status</b>			0.32
Current	274 (14.8%)	3978544 (13.6%)	
Never	954 (51.7%)	15319361 (52.4%)	
Previous	619 (33.5%)	9922435 (33.96%)	
<b>Total Cholesterol, mg/dL</b>	202.7 (40.95)	204.8 (40.7)	0.12
<b>HDL, mg/dL</b>	60.8 (19.9)	61.96 (19.7)	0.08

**Supplementary Table 1:** HRS participant characteristics when treated as a cohort (N=3316), and when treated as a survey (N=3282 with weight associated with enrolling in biomarker substudy, representing a total of 45946703 participants).

	Estimate	95% CI	P value
<b>Intercept</b>	-9.79	(-10.73,-8.84)	<0.001
<b>Total Cholesterol<sup>-2</sup></b>	-88693.62	(-97052,-80336)	<0.001
<b>Age<sup>3</sup></b>	0.0001	(0.0001,0.0001)	<0.001
<b>(Age*ln(Age))<sup>3</sup></b>	-0.00002	(-0.00003,-0.00001)	<0.001
<b>Race</b>			
Black	2.82	(0.67, 4.98)	0.01
Hispanic	-1.17	(-3.13,0.78)	0.239
Asian and Pacific Islander and Other	0.52	(-1.71,2.75)	0.65
<b>Smoking status</b>			
Previous	1.56	(1.29,1.83)	<0.001
Never	1.34	(1.08,1.61)	<0.001
<b>Marital status</b>			
Separated	-2.75	(-3.16,-2.33)	<0.001
Divorced	1.26	(1.12,1.40)	<0.001
Widowed	-0.04	(-0.23,0.15)	0.679
Single	4.88	(4.62, 5.15)	<0.001
<b>BMI<sup>3</sup></b>	-0.01	(-0.01,-0.01)	<0.001
<b>DBP<sup>3</sup></b>	-286.67	(-334.77,-238.56)	<0.001
<b>HDL<sup>-2</sup></b>	1.48	(1.26,1.7)	<0.001
<b>(HDL*ln(HDL))<sup>-2</sup></b>	1.11	(0.92, 1.29)	<0.001
<b>Race * Total Cholesterol<sup>-2</sup></b>			
Black	-28071.80	(-47854.2, -8289.4)	0.005
Hispanic	15953.32	(-2781.96, 34688.6)	0.095
Asian and Pacific Islander and Other	18327.64	(-6226.16, 42881.43)	0.143
<b>Race * Age<sup>3</sup></b>			
Black	-0.0001	(-0.00024, -0.00005)	0.003
Hispanic	0.0001	(-0.00002, 0.0002)	0.122
Asian	-0.0001	(-0.0002, 0.00003)	0.18
<b>Race * (Age*ln(Age))<sup>3</sup></b>			
Black	0.00003	(0.00001, 0.00005)	0.002
Hispanic	-0.00002	(-0.00004, 0.000005)	0.125
Asian and Pacific Islander and Other	0.00002	(-0.00006,0.0004)	0.146

**Supplementary Table 2: ARU—HRS prediction model coefficients on logit scale.** Logistic regression model predicts the odds of being enrolled in an ARU trial from ARU—HRS harmonized cohort.

	<b>Estimate</b>	<b>95% CI</b>	<b>P-value</b>
<b>Intercept</b>	-34.18169	(-53.01,-15.36)	<0.001
<b>Age<sup>-1</sup></b>	1583.09	(632.27, 2533.91)	0.001
<b>ln(Age)<sup>3</sup></b>	0.00002	(<0.00001,0.00003)	0.035
<b>Race</b>			
<b>Black</b>	-0.91	(-1.79,-0.03)	0.042
Hispanic	-0.05	(-0.93, 0.83)	0.914
White	-1.58	(-2.30, -0.87)	<0.001
<b>Smoking status * Age<sup>-1</sup></b>			
Current	-1210.08	(-2704.18, 284.03)	0.112
Previous	291.67	(-520.43, 1103.76)	0.481
<b>Smoking status * ln(Age)<sup>3</sup></b>			
Current	-0.00003	(-0.00006,<0.00001)	0.058
Previous	0.000006	(-0.0006,0.00002)	0.328
<b>Smoking status</b>			
Current	26.41	(-5.55, 58.38)	0.105
Previous	-5.45	(-21.3,10.41)	0.501
<b>Education<sup>3</sup></b>	0.008	(0.005, 0.01)	<0.001
<b>ln(Education)<sup>3</sup></b>	-0.003	(-0.004,-0.002)	<0.001
<b>Total cholesterol<sup>-2</sup></b>	-1172883	(-2005833, -339933.3)	0.006
<b>ln(Total cholesterol)<sup>-2</sup></b>	235510.8	(-61842.42, 409179.2)	0.008
<b>Marital Status</b>			
Married	18.17	(-2.12, 38.46)	0.079
Widowed	14.48	(-15.63, 44.59)	0.346

**Supplementary Table 3: ARU—ADNI prediction model coefficients on logit scale.** Logistic regression model predicts the odds of being enrolled in an ARU trial from ARU—ADNI harmonized cohort.