



```

1 .
2 .
3 . //////////////////////////////////TABLE S6: TOTAL AND GM/WM VOLUMES VS. NFL exposures by Race*****
> //////////////////////////////////LnNFLw1 EXPOSURE////////////////////////////////////
>
4 .
5 . *****LnNFLw1, MODELS 1 AND 2*****
6 .
7 . *****AFRICAN-AMERICAN*****
8 .
9 . **Model 1**
10 .
11 . use HANDLS_paper51_NFLBRAINSKANFINALIZED,clear
12 .
13 .
14 . //ANALYSIS A//
15 . reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN    if sample_final==1 & Race==2,beta
    note: Race omitted because of collinearity.

```

Source	SS	df	MS	Number of obs	=	74
Model	3.4822e+11	5	6.9645e+10	F(5, 68)	=	9.53
Residual	4.9710e+11	68	7.3103e+09	Prob > F	=	0.0000
				R-squared	=	0.4119
				Adj R-squared	=	0.3687
Total	8.4533e+11	73	1.1580e+10	Root MSE	=	85501

TOTALBRAIN	Coefficient	Std. err.	t	P> t	Beta
LnNFLw1	-42535.45	23258.38	-1.83	0.072	-.2105178
Sex	120983	20208.33	5.99	0.000	.5641121
w1Age	-1306.639	1352.385	-0.97	0.337	-.1186214
Race	0 (omitted)				.
PovStat	16052.84	24304.45	0.66	0.511	.0733211
TIME_V1SCAN	-25.32543	19.42361	-1.30	0.197	-.1353998
_cons	1097427	78208.34	14.03	0.000	.

```

16 . reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN    if sample_final==1 & Race==2,beta
    note: Race omitted because of collinearity.

```

Source	SS	df	MS	Number of obs	=	74
Model	1.1791e+11	5	2.3583e+10	F(5, 68)	=	9.94
Residual	1.6127e+11	68	2.3716e+09	Prob > F	=	0.0000
				R-squared	=	0.4223
				Adj R-squared	=	0.3799
Total	2.7919e+11	73	3.8245e+09	Root MSE	=	48700

GM	Coefficient	Std. err.	t	P> t	Beta
LnNFLw1	-25503.28	13247.54	-1.93	0.058	-.2196344
Sex	61754.34	11510.29	5.37	0.000	.5010429
w1Age	-1488.963	770.2936	-1.93	0.057	-.235211
Race	0 (omitted)				.
PovStat	8509.668	13843.37	0.61	0.541	.0676326
TIME_V1SCAN	-13.25984	11.06333	-1.20	0.235	-.1233577
_cons	658339.5	44546.02	14.78	0.000	.

17 . reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN if sample_final==1 & Race==2,beta
 note: Race omitted because of collinearity.

Source	SS	df	MS	Number of obs	=	74
Model	5.2557e+10	5	1.0511e+10	F(5, 68)	=	6.70
Residual	1.0668e+11	68	1.5688e+09	Prob > F	=	0.0000
				R-squared	=	0.3301
				Adj R-squared	=	0.2808
Total	1.5924e+11	73	2.1813e+09	Root MSE	=	39609

WM	Coefficient	Std. err.	t	P> t	Beta
LnNFLw1	-15747.37	10774.57	-1.46	0.148	-.1795703
Sex	48701.5	9361.622	5.20	0.000	.5232051
w1Age	-355.5624	626.5001	-0.57	0.572	-.0743724
Race	0 (omitted)				.
PovStat	439.4448	11259.17	0.04	0.969	.0046246
TIME_V1SCAN	-9.002087	8.998096	-1.00	0.321	-.1108902
_cons	439051.2	36230.45	12.12	0.000	.

18 .
 19 .
 20 . **Model 2**
 21 .
 22 . use finaldata_imputed,clear
 23 .
 24 .
 25 . //ANALYSIS A//
 26 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==2

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	67
DF adjustment: Small sample	DF: min	=	65.09
	avg	=	65.09
	max	=	65.09
Model F test: Equal FMI	F(6, 65.1)	=	7.85
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-47310.55	27614.78	-1.71	0.091	-102459.7	7838.593
Sex	120096.8	20523.17	5.85	0.000	79110.2	161083.4
w1Age	-1054.518	1565.582	-0.67	0.503	-4181.124	2072.087
Race	0 (omitted)					
PovStat	17039.7	24652.21	0.69	0.492	-32192.92	66272.33
TIME_V1SCAN	-25.66434	19.58012	-1.31	0.195	-64.76756	13.43887
w1BMI	-623.7501	1912.759	-0.33	0.745	-4443.699	3196.199
_cons	1113610	93062.34	11.97	0.000	927756	1299463

27 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==2

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	67
DF adjustment: Small sample	DF: min	=	65.09
	avg	=	65.09
	max	=	65.09
Model F test: Equal FMI	F(6, 65.1)	=	8.19
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-27732.84	15732.96	-1.76	0.083	-59152.95	3687.264
Sex	61340.55	11692.66	5.25	0.000	37989.27	84691.82
w1Age	-1371.244	891.9587	-1.54	0.129	-3152.564	410.0759
Race	0 (omitted)					
PovStat	8970.449	14045.09	0.64	0.525	-19078.84	37019.74
TIME_V1SCAN	-13.41809	11.15537	-1.20	0.233	-35.69635	8.860178
w1BMI	-291.2374	1089.756	-0.27	0.790	-2467.576	1885.101
_cons	665895.3	53020.38	12.56	0.000	560009	771781.7

28 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==2

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	67
DF adjustment: Small sample	DF: min	=	65.09
	avg	=	65.09
	max	=	65.09
Model F test: Equal FMI	F(6, 65.1)	=	5.59
Within VCE type: OLS	Prob > F	=	0.0001

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-19733.88	12769.86	-1.55	0.127	-45236.42	5768.66
Sex	47961.63	9490.5	5.05	0.000	29008.27	66915
w1Age	-145.0789	723.9699	-0.20	0.842	-1590.91	1300.753
Race	0 (omitted)					
PovStat	1263.332	11399.88	0.11	0.912	-21503.24	24029.9
TIME_V1SCAN	-9.285027	9.054405	-1.03	0.309	-27.36747	8.797416
w1BMI	-520.7392	884.5145	-0.59	0.558	-2287.193	1245.714
_cons	452561.2	43034.68	10.52	0.000	366617.2	538505.3

29 .

```

30 . save, replace
    file finaldata_imputed.dta saved

31 .
32 . *****WHITES*****
33 .
34 . **Model 1**
35 .
36 . use HANDLS_paper51_NFLBRAINSKANFINALIZED,clear

37 .
38 .
39 . //ANALYSIS A//
40 . reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN    if sample_final==1 & Race==1,beta
    note: Race omitted because of collinearity.

```

Source	SS	df	MS	Number of obs	=	105
Model	6.5411e+11	5	1.3082e+11	F(5, 99)	=	16.43
Residual	7.8841e+11	99	7.9637e+09	Prob > F	=	0.0000
				R-squared	=	0.4535
				Adj R-squared	=	0.4258
Total	1.4425e+12	104	1.3870e+10	Root MSE	=	89240

TOTALBRAIN	Coefficient	Std. err.	t	P> t	Beta
LnNFLw1	30269.82	21335.91	1.42	0.159	.1277089
Sex	148834.3	17744.24	8.39	0.000	.6300177
w1Age	-2633.023	1252.269	-2.10	0.038	-.1883295
Race	0 (omitted)				.
PovStat	-17278.76	21094.65	-0.82	0.415	-.0644298
TIME_V1SCAN	-24.90174	14.01322	-1.78	0.079	-.1381031
_cons	1089676	70300.81	15.50	0.000	.

```

41 . reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN    if sample_final==1 & Race==1,beta
    note: Race omitted because of collinearity.

```

Source	SS	df	MS	Number of obs	=	105
Model	1.8270e+11	5	3.6540e+10	F(5, 99)	=	17.22
Residual	2.1009e+11	99	2.1221e+09	Prob > F	=	0.0000
				R-squared	=	0.4651
				Adj R-squared	=	0.4381
Total	3.9279e+11	104	3.7768e+09	Root MSE	=	46066

GM	Coefficient	Std. err.	t	P> t	Beta
LnNFLw1	8545.001	11013.76	0.78	0.440	.0690884
Sex	77822.2	9159.71	8.50	0.000	.6312983
w1Age	-1987.115	646.4307	-3.07	0.003	-.2723755
Race	0 (omitted)				.
PovStat	-10696.16	10889.22	-0.98	0.328	-.0764334
TIME_V1SCAN	-8.323755	7.233728	-1.15	0.253	-.0884656
_cons	657112.3	36289.8	18.11	0.000	.

42 . reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN if sample_final==1 & Race==1,beta
 note: Race omitted because of collinearity.

Source	SS	df	MS	Number of obs	=	105
Model	1.2119e+11	5	2.4238e+10	F(5, 99)	=	11.92
Residual	2.0136e+11	99	2.0340e+09	Prob > F	=	0.0000
				R-squared	=	0.3757
				Adj R-squared	=	0.3442
Total	3.2255e+11	104	3.1015e+09	Root MSE	=	45100

WM	Coefficient	Std. err.	t	P> t	Beta
LnNFLw1	16599.21	10782.65	1.54	0.127	.1481011
Sex	61565.09	8967.506	6.87	0.000	.551117
w1Age	-978.9634	632.8663	-1.55	0.125	-.1480777
Race	0 (omitted)				.
PovStat	-9448.082	10660.72	-0.89	0.378	-.0745036
TIME_V1SCAN	-15.33888	7.081938	-2.17	0.033	-.1798983
_cons	429947.3	35528.31	12.10	0.000	.

43 .
 44 .
 45 . **Model 2**
 46 .
 47 . use finaldata_imputed,clear
 48 .
 49 .
 50 .
 51 . //ANALYSIS A//
 52 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	98
DF adjustment: Small sample	DF: min	=	96.06
	avg	=	96.06
	max	=	96.06
Model F test: Equal FMI	F(6, 96.1)	=	13.63
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	31171.1	21487.72	1.45	0.150	-11481.36	73823.56
Sex	150016.5	17959.15	8.35	0.000	114368.1	185664.8
w1Age	-2598.791	1258.727	-2.06	0.042	-5097.324	-100.2582
Race	0 (omitted)					
PovStat	-17428.11	21175.6	-0.82	0.413	-59461.02	24604.8
TIME_V1SCAN	-23.84633	14.21536	-1.68	0.097	-52.06338	4.370726
w1BMI	721.8563	1407.298	0.51	0.609	-2071.586	3515.299
_cons	1061405	89537.78	11.85	0.000	883675	1239134

53 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	98
DF adjustment: Small sample	DF: min	=	96.06
	avg	=	96.06
	max	=	96.06
Model F test: Equal FMI	F(6, 96.1)	=	14.46
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	9369.849	11060.16	0.85	0.399	-12584.23	31323.93
Sex	78904.1	9243.934	8.54	0.000	60555.18	97253.02
w1Age	-1955.785	647.8919	-3.02	0.003	-3241.831	-669.7404
Race	0 (omitted)					
PovStat	-10832.85	10899.51	-0.99	0.323	-32468.03	10802.34
TIME_V1SCAN	-7.357847	7.316934	-1.01	0.317	-21.88173	7.166039
w1BMI	660.6392	724.3646	0.91	0.364	-777.2018	2098.48
_cons	631238.8	46086.9	13.70	0.000	539757.8	722719.9

54 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	98
DF adjustment: Small sample	DF: min	=	96.06
	avg	=	96.06
	max	=	96.06
Model F test: Equal FMI	F(6, 96.1)	=	9.85
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	16860.33	10869.15	1.55	0.124	-4714.596	38435.26
Sex	61907.58	9084.288	6.81	0.000	43875.55	79939.61
w1Age	-969.0457	636.7026	-1.52	0.131	-2232.88	294.789
Race	0 (omitted)					
PovStat	-9491.351	10711.27	-0.89	0.378	-30752.89	11770.19
TIME_V1SCAN	-15.03311	7.190569	-2.09	0.039	-29.30617	-.7600587
w1BMI	209.134	711.8546	0.29	0.770	-1203.875	1622.143
_cons	421756.7	45290.96	9.31	0.000	331855.5	511657.8

55 .

```

56 . save, replace
    file finaldata_imputed.dta saved

57 .
58 .
59 .
60 . //INTERACTION BY Race//
61 .
62 .
63 . //ANALYSIS A//
64 . mi estimate: reg TOTALBRAIN c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     179
                                   Average RVI        =     0.0000
                                   Largest FMI        =     0.0000
                                   Complete DF        =     170
DF adjustment:  Small sample      DF:      min     =    168.03
                                   avg                 =    168.03
                                   max                 =    168.03
Model F test:      Equal FMI      F(      8, 168.0) =     19.16
Within VCE type:  OLS            Prob > F        =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	29355.07	19561.82	1.50	0.135	-9263.516	67973.67
Race						
AfrAm	59839.12	53449.99	1.12	0.265	-45680.89	165359.1
Race#c.LnNFLw1						
AfrAm	-65906.15	26053.81	-2.53	0.012	-117341.1	-14471.19
Sex	137808.4	13443.94	10.25	0.000	111267.6	164349.2
w1Age	-2181.779	920.5235	-2.37	0.019	-3999.06	-364.4979
Race	0	(omitted)				
PovStat	-4146.352	15679.75	-0.26	0.792	-35101.03	26808.33
TIME_V1SCAN	-22.78562	11.23047	-2.03	0.044	-44.95662	-.6146245
w1BMI	470.7591	1081.776	0.44	0.664	-1664.864	2606.383
_cons	1051063	67305.51	15.62	0.000	918189.9	1183937

```

65 . mi estimate: reg GM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     179
                                   Average RVI        =     0.0000
                                   Largest FMI        =     0.0000
                                   Complete DF        =     170
DF adjustment:  Small sample      DF:      min     =    168.03
                                   avg                 =    168.03
                                   max                 =    168.03
Model F test:      Equal FMI      F(      8, 168.0) =     21.48
Within VCE type:  OLS            Prob > F        =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	9897.194	10505.5	0.94	0.347	-10842.59	30636.97
Race						
AfrAm	14113.37	28704.85	0.49	0.624	-42555.24	70781.98
Race#c.LnNFLw1						
AfrAm	-32586.44	13991.97	-2.33	0.021	-60209.14	-4963.736
Sex	71793.75	7219.951	9.94	0.000	57540.26	86047.25
w1Age	-1889.226	494.3592	-3.82	0.000	-2865.181	-913.2706
Race	0	(omitted)				
PovStat	-3260.019	8420.673	-0.39	0.699	-19883.96	13363.92
TIME_V1SCAN	-8.808594	6.031228	-1.46	0.146	-20.71534	3.09815
w1BMI	386.437	580.9586	0.67	0.507	-760.4811	1533.355
_cons	638324.8	36145.84	17.66	0.000	566966.3	709683.3

66 . mi estimate: reg WM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	170
DF adjustment: Small sample	DF: min	=	168.03
	avg	=	168.03
	max	=	168.03
Model F test: Equal FMI	F(8, 168.0)	=	12.56
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	14835.63	9573.658	1.55	0.123	-4064.511	33735.78
Race						
AfrAm	38050.77	26158.71	1.45	0.148	-13591.29	89692.83
Race#c.LnNFLw1						
AfrAm	-28382.9	12750.87	-2.23	0.027	-53555.45	-3210.354
Sex	56138.37	6579.535	8.53	0.000	43149.16	69127.57
w1Age	-698.9086	450.5091	-1.55	0.123	-1588.296	190.4785
Race	0	(omitted)				
PovStat	-5262.94	7673.753	-0.69	0.494	-20412.33	9886.446
TIME_V1SCAN	-12.3208	5.496254	-2.24	0.026	-23.17141	-1.470194
w1BMI	90.17333	529.4271	0.17	0.865	-955.0123	1135.359
_cons	414212	32939.68	12.57	0.000	349183	479240.9


```

67 .
68 . save, replace
    file finaldata_imputed.dta saved

69 .
70 .
71 . *****LnNFLw1, MODELS 3-6*****
72 .
73 . *****MODEL 3: MODEL 2+w1dxDiabetes w1Glucose*****
74 .
75 . //AFRICAN-AMERICAN//
76 .
77 . use finaldata_imputed,clear

78 .
79 .
80 .
81 . //ANALYSIS A//
82 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_fin

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     74
                                   Average RVI        =     0.0055
                                   Largest FMI        =     0.0260
                                   Complete DF       =     65
DF adjustment:  Small sample      DF:      min     =     61.02
                                   avg               =     62.49
                                   max               =     63.03
Model F test:      Equal FMI      F(   8,   63.1) =     6.72
Within VCE type:   OLS           Prob > F      =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-62323.03	28270.93	-2.20	0.031	-118826.7	-5819.333
Sex	115589	20488.35	5.64	0.000	74643.68	156534.3
w1Age	-53.03331	1613.447	-0.03	0.974	-3277.844	3171.778
Race	0 (omitted)					
PovStat	16288.99	24163.42	0.67	0.503	-31998.55	64576.54
TIME_V1SCAN	-29.18114	19.24647	-1.52	0.134	-67.6418	9.279519
w1BMI	-1179.793	1900.44	-0.62	0.537	-4978.084	2618.499
w1dxDiabetes	-41416.8	19419.36	-2.13	0.037	-80248	-2585.602
w1Glucose	935.5128	564.2083	1.66	0.102	-192.154	2063.18
_cons	1051780	100165.5	10.50	0.000	851595.3	1251965

```

83 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_final==1 &

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     74
                                   Average RVI        =     0.0091
                                   Largest FMI        =     0.0453
                                   Complete DF       =     65
DF adjustment:  Small sample      DF:      min     =     58.81
                                   avg               =     61.71
                                   max               =     62.95
Model F test:      Equal FMI      F(   8,   63.0) =     7.53
Within VCE type:   OLS           Prob > F      =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-38761.57	15912.16	-2.44	0.018	-70576.74	-6946.392
Sex	58616.01	11482.26	5.10	0.000	35666.54	81565.48
w1Age	-652.1942	908.058	-0.72	0.475	-2467.852	1163.463
Race	0	(omitted)				
PovStat	8558.768	13516.27	0.63	0.529	-18452.3	35569.84
TIME_V1SCAN	-15.93979	10.76728	-1.48	0.144	-37.45679	5.577213
w1BMI	-667.9231	1066.981	-0.63	0.534	-2800.913	1465.067
w1dxDiabetes	-29339.43	10957.15	-2.68	0.010	-51266.11	-7412.747
w1Glucose	596.514	317.5405	1.88	0.065	-38.39401	1231.422
_cons	627412.2	55991.57	11.21	0.000	515511.8	739312.5

84 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_final==1 &

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0079
	Largest FMI	=	0.0598
	Complete DF	=	65
DF adjustment: Small sample	DF: min	=	56.90
	avg	=	62.12
	max	=	63.06
Model F test: Equal FMI	F(8, 63.0)	=	4.46
Within VCE type: OLS	Prob > F	=	0.0003

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-24109.64	13284.52	-1.81	0.074	-50657.03	2437.751
Sex	46293.3	9641.543	4.80	0.000	27026.29	65560.31
w1Age	157.0021	758.3479	0.21	0.837	-1358.512	1672.516
Race	0	(omitted)				
PovStat	954.7555	11383.02	0.08	0.933	-21792.29	23701.8
TIME_V1SCAN	-10.34793	9.068936	-1.14	0.258	-28.47039	7.774533
w1BMI	-701.6054	893.0585	-0.79	0.435	-2486.262	1083.051
w1dxDiabetes	-12761.24	9306.526	-1.37	0.176	-31397.91	5875.434
w1Glucose	328.1024	267.1452	1.23	0.224	-205.9672	862.172
_cons	430293.8	47234.32	9.11	0.000	335891.7	524695.8

```

85 .
86 . save, replace
    file finaldata_imputed.dta saved

87 .
88 .
89 .
90 . //WHITES//
91 .
92 . use finaldata_imputed,clear

```

```

93 .
94 .
95 . //ANALYSIS A//
96 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_fin

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     105
                                   Average RVI        =     0.0000
                                   Largest FMI         =     0.0000
                                   Complete DF         =      96
DF adjustment:  Small sample      DF:      min     =     94.06
                                   avg                  =     94.06
                                   max                  =     94.06
Model F test:      Equal FMI      F(   8,   94.1)  =     10.53
Within VCE type:   OLS            Prob > F        =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	38651.3	23191.73	1.67	0.099	-7396.047	84698.64
Sex	147830	18443.73	8.02	0.000	111209.9	184450.2
w1Age	-2861.515	1269.678	-2.25	0.027	-5382.469	-340.5602
Race	0 (omitted)					
PovStat	-17893.37	21300.72	-0.84	0.403	-60186.1	24399.36
TIME_V1SCAN	-22.32934	14.52159	-1.54	0.127	-51.16205	6.503377
w1BMI	672.284	1467.509	0.46	0.648	-2241.465	3586.033
w1dxDiabetes	25661.14	19415.75	1.32	0.189	-12888.96	64211.24
w1Glucose	-589.3121	422.7667	-1.39	0.167	-1428.718	250.0941
_cons	1110575	96173.27	11.55	0.000	919622.1	1301527

```

97 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_final==1 &

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     105
                                   Average RVI        =     0.0000
                                   Largest FMI         =     0.0000
                                   Complete DF         =      96
DF adjustment:  Small sample      DF:      min     =     94.06
                                   avg                  =     94.06
                                   max                  =     94.06
Model F test:      Equal FMI      F(   8,   94.1)  =     10.93
Within VCE type:   OLS            Prob > F        =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	11453.03	11994.82	0.95	0.342	-12362.76	35268.82
Sex	77610.84	9539.138	8.14	0.000	58670.82	96550.87
w1Age	-2059.443	656.6804	-3.14	0.002	-3363.287	-755.6002
Race	0 (omitted)					
PovStat	-11291.32	11016.78	-1.02	0.308	-33165.21	10582.58
TIME_V1SCAN	-6.452356	7.510598	-0.86	0.392	-21.3647	8.459988
w1BMI	594.6667	758.9989	0.78	0.435	-912.3307	2101.664
w1dxDiabetes	10912.24	10041.87	1.09	0.280	-9025.962	30850.44
w1Glucose	-210.634	218.6559	-0.96	0.338	-644.7768	223.5087
_cons	651656.5	49741.03	13.10	0.000	552895.3	750417.6

98 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_final==1 &

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     105
                                   Average RVI        =     0.0000
                                   Largest FMI        =     0.0000
                                   Complete DF        =      96
DF adjustment:  Small sample      DF:      min    =     94.06
                                   avg                  =     94.06
                                   max                  =     94.06
Model F test:      Equal FMI      F(   8,   94.1) =     7.55
Within VCE type:   OLS            Prob > F      =     0.0000

```

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	20509.41	11772.82	1.74	0.085	-2865.61	43884.43
Sex	61283.4	9362.592	6.55	0.000	42693.91	79872.89
w1Age	-1077.498	644.5269	-1.67	0.098	-2357.21	202.2146
Race	0 (omitted)					
PovStat	-9505.683	10812.89	-0.88	0.382	-30974.75	11963.38
TIME_V1SCAN	-14.60535	7.371596	-1.98	0.050	-29.2417	.0310044
w1BMI	218.6773	744.9517	0.29	0.770	-1260.429	1697.784
w1dxDiabetes	10083.72	9856.02	1.02	0.309	-9485.476	29652.91
w1Glucose	-257.4132	214.6091	-1.20	0.233	-683.5211	168.6946
_cons	441396.3	48820.45	9.04	0.000	344462.9	538329.6

99 .
100 .
101 . save, replace
file finaldata_imputed.dta saved

102 .
103 .
104 . //INTERACTION BY Race//
105 .
106 .
107 .
108 . //ANALYSIS A//

109 . mi estimate: reg TOTALBRAIN c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sa

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     179
                                   Average RVI        =     0.0041
                                   Largest FMI        =     0.0444
                                   Complete DF        =     168
DF adjustment:  Small sample      DF:      min    =     148.10
                                   avg                  =     163.83
                                   max                  =     166.04
Model F test:      Equal FMI      F(  10,  166.0) =     15.11
Within VCE type:   OLS            Prob > F      =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	30933.4	20872.12	1.48	0.140	-10275.68	72142.49
Race						
AfrAm	64225.31	55245.36	1.16	0.247	-44848.69	173299.3
Race#c.LnNFLw1						
AfrAm	-68149.47	27065.78	-2.52	0.013	-121586.9	-14712.01
Sex	138706.4	13729.98	10.10	0.000	111598.5	165814.3

w1Age	-2149.36	945.1775	-2.27	0.024	-4015.499	-283.2202
Race	0	(omitted)				
PovStat	-3785.737	15804.26	-0.24	0.811	-34988.96	27417.49
TIME_V1SCAN	-23.4277	11.42605	-2.05	0.042	-45.98685	-.8685498
w1BMI	557.9641	1114.421	0.50	0.617	-1642.304	2758.232
w1dxDiabetes	-3098.474	13872.4	-0.22	0.824	-30511.88	24314.93
w1Glucose	-30.14004	337.2179	-0.09	0.929	-696.0737	635.7936
_cons	1047415	71503.81	14.65	0.000	906235.4	1188595

110 . mi estimate: reg GM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0014
	Largest FMI	=	0.0147
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	162.32
	avg	=	165.53
	max	=	166.03
Model F test: Equal FMI	F(10, 166.0)	=	17.12
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	9178.906	11186.3	0.82	0.413	-12906.85	31264.66
Race						
AfrAm	15927.58	29610.75	0.54	0.591	-42534.57	74389.72
Race#c.LnNFLw1						
AfrAm	-33331.32	14507.4	-2.30	0.023	-61974.08	-4688.564
Sex	72318.82	7359.192	9.83	0.000	57789.13	86848.51
w1Age	-1800.777	506.3874	-3.56	0.000	-2800.571	-800.9832
Race	0	(omitted)				
PovStat	-3137.733	8471.225	-0.37	0.712	-19862.94	13587.47
TIME_V1SCAN	-9.459234	6.123193	-1.54	0.124	-21.5486	2.630131
w1BMI	427.1143	597.3463	0.72	0.476	-752.2628	1606.491
w1dxDiabetes	-6559.831	7326.923	-0.90	0.372	-21028.21	7908.548
w1Glucose	93.13862	179.6835	0.52	0.605	-261.6381	447.9154
_cons	627802.2	38274.07	16.40	0.000	552234.4	703369.9

111 . mi estimate: reg WM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0065
	Largest FMI	=	0.0698
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	132.07
	avg	=	161.87
	max	=	166.03
Model F test: Equal FMI	F(10, 166.0)	=	9.88
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	15856.43	10217.45	1.55	0.123	-4316.541	36029.39
Race						
AfrAm	39489.28	27041.65	1.46	0.146	-13900.6	92879.16
Race#c.LnNFLw1						
AfrAm	-29181.86	13248.07	-2.20	0.029	-55338.26	-3025.452
Sex	56384.21	6720.276	8.39	0.000	43115.97	69652.45
w1Age	-715.6058	462.8865	-1.55	0.124	-1629.529	198.3168
Race	0 (omitted)					
PovStat	-5137.462	7735.58	-0.66	0.508	-20410.24	10135.32
TIME_V1SCAN	-12.3926	5.593531	-2.22	0.028	-23.43628	-1.348912
w1BMI	117.7539	545.4562	0.22	0.829	-959.1727	1194.681
w1dxDiabetes	891.1086	6876.606	0.13	0.897	-12711.43	14493.65
w1Glucose	-48.27876	165.9473	-0.29	0.771	-376.0635	279.506
_cons	416265.8	35039.58	11.88	0.000	347080.6	485450.9

```

112 .
113 . save, replace
    file finaldata_imputed.dta saved

114 .
115 .
116 . *****MODEL 4: MODEL 2+liver/kidney disease*****
117 .
118 . //AFRICAN-AMERICAN//
119 .
120 . use finaldata_imputed,clear

121 .
122 .
123 .
124 . //ANALYSIS A//
125 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     74
                                   Average RVI        =     0.0709
                                   Largest FMI         =     0.4894
                                   Complete DF         =     62
DF adjustment:  Small sample      DF:      min      =    13.04
                                   avg                  =    53.04
                                   max                  =    59.42
Model F test:      Equal FMI      F( 11, 59.2)    =     4.58
Within VCE type:   OLS            Prob > F        =     0.0001

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-56097.93	28426.64	-1.97	0.053	-112980.6	784.7358
Sex	156367.1	27726.36	5.64	0.000	100348.8	212385.4
w1Age	-243.1768	1785.182	-0.14	0.892	-3816.554	3330.2
Race	0 (omitted)					
PovStat	21184.21	24868.57	0.85	0.398	-28570.27	70938.7
TIME_V1SCAN	-29.59852	19.95935	-1.48	0.143	-69.53834	10.34129
w1BMI	1144.943	2088.442	0.55	0.586	-3037.551	5327.437
w1Creatinine	-53675.83	64063.98	-0.84	0.417	-192031.4	84679.76
w1USpecGrav	-1031744	1657107	-0.62	0.536	-4347528	2284040
w1BUN	-495.4556	3496.275	-0.14	0.888	-7503.618	6512.707
w1ALP	552.5237	523.4726	1.06	0.295	-494.795	1599.842

w1UricAcid	-13500.93	9288.001	-1.45	0.151	-32087.26	5085.405
_cons	2131896	1680506	1.27	0.210	-1230642	5494434

126 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0567
	Largest FMI	=	0.4475
	Complete DF	=	62
DF adjustment: Small sample	DF: min	=	14.92
	avg	=	54.32
	max	=	60.00
Model F test: Equal FMI	F(11, 59.5)	=	4.38
Within VCE type: OLS	Prob > F	=	0.0001

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-32887.78	16460.87	-2.00	0.050	-65814.47	38.91043
Sex	74875.15	15847.79	4.72	0.000	42975.52	106774.8
w1Age	-1140.816	1036.145	-1.10	0.275	-3214.201	932.5684
Race	0 (omitted)					
PovStat	11633.09	14507.9	0.80	0.426	-17393.57	40659.75
TIME_V1SCAN	-15.76938	11.5868	-1.36	0.179	-38.9495	7.410734
w1BMI	350.4271	1205.305	0.29	0.772	-2061.522	2762.377
w1Creatinine	-7736.111	36111.55	-0.21	0.833	-84743.51	69271.28
w1USpecGrav	-914152.3	960748.2	-0.95	0.345	-2835976	1007672
w1BUN	967.1255	2024.946	0.48	0.635	-3089.026	5023.277
w1ALP	256.9696	304.7705	0.84	0.403	-352.7368	866.6759
w1UricAcid	-6889.645	5424.591	-1.27	0.209	-17746.01	3966.719
_cons	1574289	974662.6	1.62	0.112	-375368.8	3523946

127 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0839
	Largest FMI	=	0.5045
	Complete DF	=	62
DF adjustment: Small sample	DF: min	=	12.44
	avg	=	51.75
	max	=	59.17
Model F test: Equal FMI	F(11, 59.0)	=	3.63
Within VCE type: OLS	Prob > F	=	0.0006

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-23458.49	13058.91	-1.80	0.078	-49608.23	2691.246
Sex	66878.2	12696.05	5.27	0.000	41192.96	92563.45
w1Age	252.2825	819.4386	0.31	0.759	-1389.203	1893.768
Race	0 (omitted)					
PovStat	2546.2	11332.66	0.22	0.823	-20129.03	25221.43
TIME_V1SCAN	-10.75656	9.162583	-1.17	0.245	-29.10319	7.590074
w1BMI	377.0965	963.9835	0.39	0.697	-1556.383	2310.576
w1Creatinine	-37305.7	29537.98	-1.26	0.230	-101412.7	26801.34
w1USpecGrav	-248425.5	759308.5	-0.33	0.745	-1768499	1271648
w1BUN	-541.7345	1592.878	-0.34	0.735	-3735.087	2651.618
w1ALP	251.2515	239.4179	1.05	0.298	-227.9117	730.4146
w1UricAcid	-5738.348	4220.961	-1.36	0.179	-14184.36	2707.664
_cons	696062.3	769571	0.90	0.369	-844448.3	2236573

```

128 .
129 . save, replace
    file finaldata_imputed.dta saved

130 .
131 .
132 .
133 . //WHITES//
134 .
135 . use finaldata_imputed,clear

136 .
137 .
138 .
139 . //ANALYSIS A//
140 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     105
                                   Average RVI        =     0.0204
                                   Largest FMI        =     0.2012
                                   Complete DF        =      93
DF adjustment:  Small sample      DF:      min     =     45.56
                                   avg                 =     85.79
                                   max                 =     90.97
Model F test:      Equal FMI      F( 11, 90.9)    =     8.57
Within VCE type:   OLS            Prob > F        =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	21520.1	21771.65	0.99	0.326	-21728.62	64768.83
Sex	173970.8	23621.21	7.37	0.000	127004	220937.6
w1Age	-2068.506	1270.519	-1.63	0.107	-4592.267	455.2542
Race	0	(omitted)				
PovStat	-15167.42	20876.77	-0.73	0.469	-56636.76	26301.91
TIME_V1SCAN	-27.76062	14.28246	-1.94	0.055	-56.13269	.6114566
w1BMI	2320.895	1510.977	1.54	0.128	-680.5506	5322.34
w1Creatinine	27374.46	59909.44	0.46	0.650	-93248.54	147997.5
w1USpecGrav	1199048	1672042	0.72	0.475	-2123121	4521217
w1BUN	-328.6274	2580.815	-0.13	0.899	-5459.896	4802.641
w1ALP	214.9609	430.8753	0.50	0.619	-640.9241	1070.846
w1UricAcid	-22168.46	7585.707	-2.92	0.004	-37237.35	-7099.574
_cons	-157451.1	1679934	-0.09	0.926	-3495346	3180443

```

141 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     105
                                   Average RVI        =     0.0325
                                   Largest FMI        =     0.2959
                                   Complete DF        =      93
DF adjustment:  Small sample      DF:      min     =     30.51
                                   avg                 =     84.30
                                   max                 =     91.04
Model F test:      Equal FMI      F( 11, 90.6)    =     8.49
Within VCE type:   OLS            Prob > F        =     0.0000

```


GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	4643.188	11362.28	0.41	0.684	-17928.47	27214.85
Sex	89620.86	12387.64	7.23	0.000	64978.34	114263.4
w1Age	-1803.54	662.4048	-2.72	0.008	-3119.345	-487.7342
Race	0 (omitted)					
PovStat	-9554.49	10878.92	-0.88	0.382	-31164	12055.02
TIME_V1SCAN	-8.925459	7.451901	-1.20	0.234	-23.72907	5.878154
w1BMI	1381.248	788.431	1.75	0.083	-184.9588	2947.455
w1Creatinine	16490.81	32941.06	0.50	0.620	-50737.06	83718.68
w1USpecGrav	296983.8	867872.6	0.34	0.733	-1427087	2021055
w1BUN	112.5219	1349.646	0.08	0.934	-2571.532	2796.576
w1ALP	207.5406	224.831	0.92	0.358	-239.0728	654.1541
w1UricAcid	-9965.201	3960.832	-2.52	0.014	-17833.76	-2096.639
_cons	318379.2	872005.1	0.37	0.716	-1413921	2050680

142 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

Multiple-imputation estimates
Linear regression

Imputations = 5
Number of obs = 105
Average RVI = 0.0050
Largest FMI = 0.0477
Complete DF = 93
DF: min = 83.21
avg = 90.21
max = 91.04
F(11, 91.0) = 6.46
Prob > F = 0.0000

DF adjustment: Small sample

Model F test: Equal FMI
Within VCE type: OLS

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	12833.36	11032.62	1.16	0.248	-9081.676	34748.4
Sex	74294.51	11789.29	6.30	0.000	50874.61	97714.41
w1Age	-673.5984	644.611	-1.04	0.299	-1954.046	606.8493
Race	0 (omitted)					
PovStat	-8514.883	10590.39	-0.80	0.423	-29551.27	12521.51
TIME_V1SCAN	-16.80246	7.233638	-2.32	0.022	-31.17121	-2.433706
w1BMI	989.4247	766.3372	1.29	0.200	-532.8228	2511.672
w1Creatinine	7683.116	28106.75	0.27	0.785	-48217.96	63584.19
w1USpecGrav	671382.3	843754	0.80	0.428	-1004707	2347472
w1BUN	-384.5869	1287.84	-0.30	0.766	-2942.854	2173.68
w1ALP	62.13378	218.5625	0.28	0.777	-372.0113	496.2789
w1UricAcid	-10568.23	3844.2	-2.75	0.007	-18204.35	-2932.116
_cons	-255084.2	847505.4	-0.30	0.764	-1938627	1428459

143 .

144 . save, replace
file finaldata_imputed.dta saved

```

145 .
146 . **INTERACTION BY Race**
147 .
148 .
149 . //ANALYSIS A//
150 . mi estimate: reg TOTALBRAIN c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0205
                                   Largest FMI         =     0.2289
                                   Complete DF         =     165
DF adjustment:  Small sample      DF:      min      =     53.24
                                   avg          =    153.14
                                   max          =    162.94
Model F test:      Equal FMI      F( 13, 162.7)    =     12.98
Within VCE type:   OLS            Prob > F         =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	22179.21	19716.44	1.12	0.262	-16753.93	61112.34
Race						
AfrAm	58297.98	54058.05	1.08	0.282	-48454.32	165050.3
Race#c.LnNFLw1						
AfrAm	-63171.32	26066.49	-2.42	0.016	-114644.8	-11697.89
Sex	168593.3	17123.68	9.85	0.000	134754.3	202432.2
w1Age	-1520.028	955.2987	-1.59	0.114	-3406.414	366.3583
Race	0 (omitted)					
PovStat	-2164.023	15460.85	-0.14	0.889	-32693.48	28365.44
TIME_V1SCAN	-22.64316	11.08549	-2.04	0.043	-44.53328	- .7530416
w1BMI	1939.764	1161.192	1.67	0.097	-353.2233	4232.752
w1Creatinine	-27812.4	38460.19	-0.72	0.473	-104945.8	49321.01
w1USpecGrav	-139936	1133450	-0.12	0.902	-2378104	2098232
w1BUN	310.2264	1982.37	0.16	0.876	-3605.576	4226.029
w1ALP	317.7966	322.8952	0.98	0.326	-319.806	955.3991
w1UricAcid	-17162.74	5702.166	-3.01	0.003	-28422.75	-5902.726
_cons	1175583	1141216	1.03	0.304	-1077921	3429087

```

151 . mi estimate: reg GM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0144
                                   Largest FMI         =     0.1773
                                   Complete DF         =     165
DF adjustment:  Small sample      DF:      min      =     70.90
                                   avg          =    154.90
                                   max          =    163.00
Model F test:      Equal FMI      F( 13, 162.8)    =     13.92
Within VCE type:   OLS            Prob > F         =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	5536.841	10716.06	0.52	0.606	-15623.8	26697.48
Race						
AfrAm	14086.23	29358.13	0.48	0.632	-43888.78	72061.24
Race#c.LnNFLw1						
AfrAm	-31239.98	14161.13	-2.21	0.029	-59203.88	-3276.077
Sex	84708.47	9273.341	9.13	0.000	66386.41	103030.5
w1Age	-1683.741	518.5268	-3.25	0.001	-2707.637	-659.845
Race	0 (omitted)					
PovStat	-1859.511	8398.474	-0.22	0.825	-18443.34	14724.32
TIME_V1SCAN	-9.00908	6.020694	-1.50	0.136	-20.89785	2.879688
w1BMI	1020.647	630.0741	1.62	0.107	-223.5212	2264.816
w1Creatinine	-3520.718	20317.02	-0.17	0.863	-44032.68	36991.24
w1USpecGrav	-351466.8	616658.8	-0.57	0.569	-1569185	866251
w1BUN	700.6281	1073.208	0.65	0.515	-1418.994	2820.25
w1ALP	227.6045	175.3793	1.30	0.196	-118.7053	573.9143
w1UricAcid	-7981.018	3094.469	-2.58	0.011	-14091.51	-1870.531
_cons	976062.3	620947.8	1.57	0.118	-250127.3	2202252

152 . mi estimate: reg WM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0354
	Largest FMI	=	0.3340
	Complete DF	=	165
DF adjustment: Small sample	DF: min	=	31.71
	avg	=	148.00
	max	=	162.80
Model F test: Equal FMI	F(13, 162.1)	=	8.82
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	12376.34	9635.311	1.28	0.201	-6650.692	31403.37
Race						
AfrAm	38288.93	26459.57	1.45	0.150	-13967.51	90545.37
Race#c.LnNFLw1						
AfrAm	-27714.1	12745.62	-2.17	0.031	-52884.14	-2544.057
Sex	72074.39	8484.454	8.49	0.000	55287.58	88861.21
w1Age	-348.9702	467.6728	-0.75	0.457	-1272.533	574.5925
Race	0 (omitted)					
PovStat	-4603.443	7545.607	-0.61	0.543	-19503.32	10296.43
TIME_V1SCAN	-11.99938	5.415389	-2.22	0.028	-22.69322	-1.305529
w1BMI	818.8763	569.4967	1.44	0.152	-305.8533	1943.606
w1Creatinine	-21594.11	19958.84	-1.08	0.287	-62263.54	19075.33
w1USpecGrav	39193.15	556703.1	0.07	0.944	-1060289	1138676
w1BUN	-119.1172	980.1034	-0.12	0.903	-2056.636	1818.402
w1ALP	116.9836	157.7209	0.74	0.459	-194.4656	428.4329
w1UricAcid	-7904.068	2787.314	-2.84	0.005	-13408.39	-2399.747
_cons	371529.8	560490.9	0.66	0.508	-735431	1478491

```

153 .
154 .
155 . save, replace
      file finaldata_imputed.dta saved

156 .
157 .
158 . //ANALYSIS A//
159 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0241
                                   Largest FMI         =     0.2570
                                   Complete DF         =     166
DF adjustment:  Small sample      DF:      min      =     46.03
                                   avg                =    152.79
                                   max                =    163.99
Model F test:      Equal FMI      F( 12, 163.5) =     13.14
Within VCE type:   OLS           Prob > F       =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-4751.979	16520.04	-0.29	0.774	-37371.43	27867.47
Sex	167380	17397.09	9.62	0.000	132998.5	201761.5
w1Age	-1548.696	968.2607	-1.60	0.112	-3460.561	363.1693
Race	-67546.09	14959.43	-4.52	0.000	-97087.17	-38005.01
PovStat	-1677.909	15686.37	-0.11	0.915	-32651.29	29295.48
TIME_V1SCAN	-21.62704	11.2405	-1.92	0.056	-43.82226	.5681882
w1BMI	2179.533	1172.238	1.86	0.065	-135.1039	4494.17
w1Creatinine	-15312.28	39173.08	-0.39	0.698	-94162.22	63537.67
w1USpecGrav	85270.45	1145779	0.07	0.941	-2177129	2347670
w1BUN	102.7434	2006.968	0.05	0.959	-3861.259	4066.746
w1ALP	282.3003	327.1091	0.86	0.389	-363.5886	928.1891
w1UricAcid	-18425.71	5760.565	-3.20	0.002	-29800.49	-7050.93
_cons	1066173	1153682	0.92	0.357	-1211831	3344176

```

160 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0183
                                   Largest FMI         =     0.2032
                                   Complete DF         =     166
DF adjustment:  Small sample      DF:      min      =     61.43
                                   avg                =     154.48
                                   max                =     163.96
Model F test:      Equal FMI      F( 12, 163.7) =     14.28
Within VCE type:   OLS           Prob > F       =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-7780.391	8952.369	-0.87	0.386	-25457.29	9896.508
Sex	84108.98	9388.764	8.96	0.000	65558.42	102659.5
w1Age	-1698.034	524.8685	-3.24	0.001	-2734.417	-661.6515
Race	-48147.63	8086.544	-5.95	0.000	-64115.66	-32179.59
PovStat	-1619.735	8496.585	-0.19	0.849	-18396.57	15157.1
TIME_V1SCAN	-8.506388	6.091325	-1.40	0.164	-20.53426	3.521483
w1BMI	1139.392	635.6278	1.79	0.075	-115.7058	2394.489
w1Creatinine	2651.925	20592.24	0.13	0.898	-38519.02	43822.87
w1USpecGrav	-240002.2	621046.4	-0.39	0.700	-1466303	986298.2
w1BUN	597.93	1083.398	0.55	0.582	-1541.636	2737.496

w1ALP	210.0734	177.2852	1.18	0.238	-139.9855	560.1324
w1UricAcid	-8605.049	3118.54	-2.76	0.006	-14762.83	-2447.27
_cons	936607.7	625419.1	1.50	0.136	-298330.1	2171545

161 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0376
	Largest FMI	=	0.3486
	Complete DF	=	166
DF adjustment: Small sample	DF: min	=	29.75
	avg	=	148.24
	max	=	163.90
Model F test: Equal FMI	F(12, 162.8)	=	8.94
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	560.899	8038.086	0.07	0.944	-15310.77	16432.57
Sex	71541.9	8588.87	8.33	0.000	54546.91	88536.88
w1Age	-361.4605	471.8383	-0.77	0.445	-1293.158	570.2368
Race	-16920.32	7306.22	-2.32	0.022	-31350.33	-2490.317
PovStat	-4390.043	7628.078	-0.58	0.566	-19452.01	10671.93
TIME_V1SCAN	-11.55318	5.470612	-2.11	0.036	-22.3555	-.7508534
w1BMI	923.8859	572.2014	1.61	0.108	-206.0422	2053.814
w1Creatinine	-16102.98	20128.06	-0.80	0.430	-57224.52	25018.56
w1USpecGrav	137889.7	559626.4	0.25	0.806	-967228.3	1243008
w1BUN	-210.1024	988.2262	-0.21	0.832	-2163.31	1743.105
w1ALP	101.3754	159.1191	0.64	0.525	-212.8129	415.5637
w1UricAcid	-8458.523	2803.493	-3.02	0.003	-13994.38	-2922.663
_cons	310922.2	563512.1	0.55	0.582	-801870.5	1423715

162 .

163 . save, replace
file finaldata_imputed.dta saved

164 .

165 . *****MODEL 5: MODEL2+OXIDATIVE STRESS*****

166 .

167 . //Overall//

168 .

169 . use finaldata_imputed,clear

170 .

171 .

172 . //ANALYSIS A//

173 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0125
	Largest FMI	=	0.1063
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	108.38
	avg	=	159.25
	max	=	165.93
Model F test: Equal FMI	F(10, 165.8)	=	14.02
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-2779.111	17176.94	-0.16	0.872	-36694.58	31136.36
Sex	139676.5	14209.93	9.83	0.000	111619.9	167733
w1Age	-2287.513	938.798	-2.44	0.016	-4141.052	-433.9744
Race	-65204.13	16574.32	-3.93	0.000	-97941.41	-32466.85
PovStat	-1857.318	16088.83	-0.12	0.908	-33622.83	29908.2
TIME_V1SCAN	-19.84112	11.78951	-1.68	0.094	-43.11851	3.436271
w1BMI	663.6866	1158.842	0.57	0.568	-1624.301	2951.675
w1TotalD	785.0093	816.4853	0.96	0.338	-833.3427	2403.361
w1Albumin	-5145.254	27481.76	-0.19	0.852	-59404.25	49113.74
w1EosinPct	-2425.682	3533.221	-0.69	0.493	-9402.651	4551.286
_cons	1181464	153605.8	7.69	0.000	878184.3	1484745

174 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0072
	Largest FMI	=	0.0643
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	135.64
	avg	=	162.53
	max	=	165.98
Model F test: Equal FMI	F(10, 165.9)	=	15.85
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-4428.886	9213.59	-0.48	0.631	-22620.31	13762.54
Sex	71394.66	7625.658	9.36	0.000	56338.64	86450.68
w1Age	-1950.052	504.1572	-3.87	0.000	-2945.441	-954.6634
Race	-47412.05	8853.027	-5.36	0.000	-64894.32	-29929.77
PovStat	-2680.073	8639.521	-0.31	0.757	-19737.67	14377.52
TIME_V1SCAN	-7.086875	6.328869	-1.12	0.264	-19.58251	5.408762
w1BMI	588.946	622.3618	0.95	0.345	-639.8234	1817.715
w1TotalD	264.2693	429.4673	0.62	0.539	-585.0484	1113.587
w1Albumin	3124.707	14761.92	0.21	0.833	-26020.63	32270.05
w1EosinPct	409.8111	1892.812	0.22	0.829	-3327.582	4147.204
_cons	687814.1	82464.12	8.34	0.000	524998.5	850629.7

175 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0143
	Largest FMI	=	0.1145
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	103.40
	avg	=	158.28
	max	=	165.88
Model F test: Equal FMI	F(10, 165.8)	=	9.50
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	43.59935	8336.053	0.01	0.996	-16416.11	16503.31
Sex	57111.78	6897.494	8.28	0.000	43492.83	70730.73
w1Age	-733.86	455.3875	-1.61	0.109	-1632.972	165.2524
Race	-14939.33	8058.579	-1.85	0.066	-30858.71	980.044
PovStat	-3870.435	7802.985	-0.50	0.621	-19276.59	11535.72
TIME_V1SCAN	-10.59031	5.717619	-1.85	0.066	-21.87931	.6987009
w1BMI	183.462	562.0921	0.33	0.745	-926.3261	1293.25
w1TotalD	499.862	397.5201	1.26	0.211	-288.4892	1288.213
w1Albumin	-243.924	13326.39	-0.02	0.985	-26555.13	26067.28
w1EosinPct	-2059.328	1715.73	-1.20	0.232	-5447.513	1328.858
_cons	446903.5	74502.92	6.00	0.000	299803.6	594003.5

```

176 .
177 . save, replace
    file finaldata_imputed.dta saved

```

```

178 .
179 .
180 . //AFRICAN-AMERICAN//
181 .
182 .
183 . use finaldata_imputed,clear

```

```

184 .
185 .
186 . //ANALYSIS A//
187 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     74
                                   Average RVI        =     0.0463
                                   Largest FMI        =     0.2815
                                   Complete DF       =     64
DF adjustment: Small sample      DF: min         =     26.67
                                   avg              =     56.81
                                   max              =     61.23
Model F test: Equal FMI          F( 9, 61.5)     =     5.27
Within VCE type: OLS             Prob > F         =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-51588.17	28474.58	-1.81	0.075	-108527	5350.669
Sex	117081.5	21515.17	5.44	0.000	74043.66	160119.4
w1Age	-1382.073	1616.932	-0.85	0.396	-4617.907	1853.762
Race	0 (omitted)					
PovStat	20271.04	24943.13	0.81	0.420	-29603.71	70145.78
TIME_V1SCAN	-15.80886	20.95179	-0.75	0.453	-57.72061	26.10289
w1BMI	-139.0496	2003.349	-0.07	0.945	-4145.668	3867.569
w1TotalD	2524.622	1763.672	1.43	0.164	-1096.236	6145.479
w1Albumin	14215.4	40113.46	0.35	0.724	-66027.65	94458.44
w1EosinPct	1188.644	6049.703	0.20	0.845	-10907.56	13284.85
_cons	997594.7	219495.5	4.54	0.000	558419.6	1436770

188 .

189 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0320
	Largest FMI	=	0.2300
	Complete DF	=	64
DF adjustment: Small sample	DF: min	=	32.12
	avg	=	58.24
	max	=	61.63
Model F test: Equal FMI	F(9, 61.8)	=	5.37
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-28054.73	16299.95	-1.72	0.090	-60643.07	4533.608
Sex	58638.83	12281.37	4.77	0.000	34081.4	83196.27
w1Age	-1536.472	920.4758	-1.67	0.100	-3377.342	304.3974
Race	0 (omitted)					
PovStat	9991.302	14281.93	0.70	0.487	-18561.45	38544.05
TIME_V1SCAN	-8.607369	11.9837	-0.72	0.475	-32.57287	15.35813
w1BMI	5.655725	1145.025	0.00	0.996	-2283.699	2295.011
w1TotalD	974.1069	984.1327	0.99	0.330	-1030.21	2978.424
w1Albumin	8330.035	22867.83	0.36	0.717	-37393.34	54053.41
w1EosinPct	2315.204	3465.699	0.67	0.507	-4613.461	9243.869
_cons	600969	125200.5	4.80	0.000	350585.2	851352.9

190 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0419
	Largest FMI	=	0.2204
	Complete DF	=	64
DF adjustment: Small sample	DF: min	=	33.25
	avg	=	57.20
	max	=	61.21
Model F test: Equal FMI	F(9, 61.6)	=	3.99
Within VCE type: OLS	Prob > F	=	0.0005

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-23157.71	13112.84	-1.77	0.082	-49382.08	3066.654
Sex	47574.83	9906.56	4.80	0.000	27755.3	67394.36
w1Age	-279.5338	744.3423	-0.38	0.709	-1769.347	1210.279
Race	0 (omitted)					
PovStat	3160.981	11485.09	0.28	0.784	-19806.67	26128.63
TIME_V1SCAN	-4.836492	9.599981	-0.50	0.616	-24.03632	14.36334
w1BMI	-353.3756	922.6603	-0.38	0.703	-2198.941	1492.19
w1TotalD	1343.326	783.3947	1.71	0.096	-250.0453	2936.697
w1Albumin	5391.079	18526.51	0.29	0.772	-31684.11	42466.27
w1EosinPct	-830.8979	2780.272	-0.30	0.766	-6390.002	4728.206
_cons	406275.6	100866	4.03	0.000	204459.1	608092.1


```

191 .
192 .
193 . save, replace
    file finaldata_imputed.dta saved

```

```

194 .
195 .
196 .
197 . //WHITES//
198 .
199 . use finaldata_imputed,clear

```

```

200 .
201 .
202 .
203 . //ANALYSIS A//
204 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     105
                                   Average RVI         =     0.0065
                                   Largest FMI         =     0.0464
                                   Complete DF         =      95
DF adjustment:  Small sample      DF:      min     =     85.24
                                   avg                   =     92.01
                                   max                   =     93.05
Model F test:      Equal FMI      F(   9,   93.0)  =      8.91
Within VCE type:   OLS            Prob > F        =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	28969.73	22939.81	1.26	0.210	-16585.52	74524.98
Sex	151972.9	19046.26	7.98	0.000	114151.1	189794.7
w1Age	-2594.943	1279.745	-2.03	0.045	-5136.259	-53.62713
Race	0 (omitted)					
PovStat	-15943.47	21497.67	-0.74	0.460	-58633.37	26746.44
TIME_V1SCAN	-23.82796	14.77994	-1.61	0.110	-53.1781	5.522182
w1BMI	510.8234	1515.553	0.34	0.737	-2498.763	3520.41
w1TotalD	83.96754	946.9125	0.09	0.930	-1798.673	1966.608
w1Albumin	-6588.006	38541.04	-0.17	0.865	-83123.36	69947.35
w1EosinPct	-4155.301	4409.449	-0.94	0.349	-12914.13	4603.531
_cons	1106324	206772.4	5.35	0.000	695716.4	1516933

```

205 .
206 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     105
                                   Average RVI         =     0.0060
                                   Largest FMI         =     0.0499
                                   Complete DF         =      95
DF adjustment:  Small sample      DF:      min     =     84.42
                                   avg                   =     92.02
                                   max                   =     93.06
Model F test:      Equal FMI      F(   9,   93.0)  =      9.28
Within VCE type:   OLS            Prob > F        =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	10038.86	11861.32	0.85	0.400	-13516.17	33593.9
Sex	78167.48	9846.311	7.94	0.000	58614.81	97720.15
w1Age	-1958.861	661.5763	-2.96	0.004	-3272.617	-645.1042
Race	0	(omitted)				
PovStat	-10822.88	11113.9	-0.97	0.333	-32892.77	11247.01
TIME_V1SCAN	-6.971624	7.639874	-0.91	0.364	-22.1429	8.199649
w1BMI	706.0009	783.5282	0.90	0.370	-849.9316	2261.933
w1TotalD	-31.14697	490.3557	-0.06	0.950	-1006.201	943.9075
w1Albumin	5639.132	19924.59	0.28	0.778	-33927.39	45205.66
w1EosinPct	-522.5021	2272.549	-0.23	0.819	-5036.05	3991.046
_cons	606779.8	106876.7	5.68	0.000	394545.5	819014.1

207 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0074
	Largest FMI	=	0.0507
	Complete DF	=	95
DF adjustment: Small sample	DF: min	=	84.24
	avg	=	91.84
	max	=	93.03
Model F test: Equal FMI	F(9, 93.0)	=	6.59
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	15429.23	11564.01	1.33	0.185	-7535.364	38393.83
Sex	62300.12	9602.127	6.49	0.000	43232.24	81368.01
w1Age	-950.0488	645.1159	-1.47	0.144	-2231.123	331.0257
Race	0	(omitted)				
PovStat	-8455.374	10836.04	-0.78	0.437	-29973.51	13062.76
TIME_V1SCAN	-14.32544	7.451684	-1.92	0.058	-29.12317	.4722931
w1BMI	170.9499	764.0054	0.22	0.823	-1346.219	1688.118
w1TotalD	160.3296	478.2809	0.34	0.738	-790.7449	1111.404
w1Albumin	1541.715	19430.58	0.08	0.937	-37044.07	40127.5
w1EosinPct	-2648.836	2225.443	-1.19	0.237	-7069.683	1772.01
_cons	418721.7	104255	4.02	0.000	211690.6	625752.9

208 .
209 . save, replace
file finaldata_imputed.dta saved

210 .
211 .
212 . *****INTERACTION BY Race*****
213 .

214 .

215 .

216 . //ANALYSIS A//

217 . mi estimate: reg TOTALBRAIN c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0164
	Largest FMI	=	0.1558
	Complete DF	=	167
DF adjustment: Small sample	DF: min	=	80.86
	avg	=	157.18
	max	=	164.91
Model F test: Equal FMI	F(11, 164.7)	=	13.64
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	25188.86	20318.7	1.24	0.217	-14931.25	65308.96
Race						
AfrAm	63569.71	54368.52	1.17	0.244	-43785.19	170924.6
Race#c.LnNFLw1						
AfrAm	-65390.83	26289.04	-2.49	0.014	-117297.7	-13483.95
Sex	138602.8	14004.33	9.90	0.000	110950.9	166254.7
w1Age	-2154.685	925.9735	-2.33	0.021	-3982.979	-326.3911
Race	0 (omitted)					
PovStat	-2459.86	15853.66	-0.16	0.877	-33762.67	28842.95
TIME_V1SCAN	-21.29882	11.63585	-1.83	0.069	-44.27423	1.676583
w1BMI	471.1598	1143.952	0.41	0.681	-1787.531	2729.85
w1TotalD	700.9735	826.1941	0.85	0.399	-942.9379	2344.885
w1Albumin	-602.6388	27129.12	-0.02	0.982	-54167.81	52962.54
w1EosinPct	-2534.914	3480.428	-0.73	0.467	-9407.965	4338.137
_cons	1043828	150335.7	6.94	0.000	746992	1340665

218 .

219 . mi estimate: reg GM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0104
	Largest FMI	=	0.1050
	Complete DF	=	167
DF adjustment: Small sample	DF: min	=	108.71
	avg	=	159.92
	max	=	164.98
Model F test: Equal FMI	F(11, 164.9)	=	15.21
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	9550.001	10929.87	0.87	0.384	-12030.96	31130.96
Race						
AfrAm	16947.33	29231.86	0.58	0.563	-40771.18	74665.84
Race#c.LnNFLw1						
AfrAm	-32682.11	14151.39	-2.31	0.022	-60623.36	-4740.865
Sex	70858.08	7533.398	9.41	0.000	55983.53	85732.63

w1Age	-1883.668	498.5511	-3.78	0.000	-2868.03	-899.3048
Race	0	(omitted)				
PovStat	-2981.499	8533.561	-0.35	0.727	-19830.72	13867.72
TIME_V1SCAN	-7.815753	6.260659	-1.25	0.214	-20.17741	4.545901
w1BMI	492.7056	615.9102	0.80	0.425	-723.3805	1708.792
w1TotalD	222.1268	433.4874	0.51	0.609	-637.0564	1081.31
w1Albumin	5395.427	14608.88	0.37	0.712	-23449.06	34239.91
w1EosinPct	355.2043	1869.059	0.19	0.850	-3335.458	4045.867
_cons	604203.4	80912.9	7.47	0.000	444443.6	763963.3

220 . mi estimate: reg WM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0174
	Largest FMI	=	0.1557
	Complete DF	=	167
DF adjustment: Small sample	DF: min	=	80.86
	avg	=	156.89
	max	=	164.88
Model F test: Equal FMI	F(11, 164.7)	=	9.24
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	12092.58	9896.528	1.22	0.224	-7448.814	31633.97
Race						
AfrAm	40543.77	26494.97	1.53	0.128	-11774.18	92861.73
Race#c.LnNFLw1						
AfrAm	-28173.19	12803.73	-2.20	0.029	-53454.02	-2892.359
Sex	56649.13	6824.455	8.30	0.000	43173.72	70124.54
w1Age	-676.625	450.8895	-1.50	0.135	-1566.893	213.6425
Race	0	(omitted)				
PovStat	-4129.678	7718.637	-0.54	0.593	-19370.08	11110.72
TIME_V1SCAN	-11.21791	5.66422	-1.98	0.049	-22.40214	-.0336846
w1BMI	100.5366	557.0006	0.18	0.857	-999.2472	1200.32
w1TotalD	463.8435	402.1342	1.15	0.252	-336.298	1263.985
w1Albumin	1712.736	13206.17	0.13	0.897	-24362.28	27787.75
w1EosinPct	-2106.361	1696.585	-1.24	0.216	-5456.896	1244.174
_cons	400753.9	73198.62	5.47	0.000	256223	545284.7

221 .
 222 . save, replace
 file finaldata_imputed.dta saved

223 .
 224 .

```

225 .
226 . *****MODEL 6: MODEL 2+lifestyle/health-related factors*****
227 .
228 .
229 . //Overall//
230 .
231 . use finaldata_imputed,clear

```

```

232 .
233 .
234 . //ANALYSIS A//
235 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1curdrugs w1SRH if sample_final==1

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     179
                                   Average RVI        =     0.0019
                                   Largest FMI        =     0.0174
                                   Complete DF       =     169
DF adjustment:  Small sample      DF:      min     =    162.30
                                   avg              =    166.48
                                   max              =    167.02
Model F test:      Equal FMI      F(   9, 167.0)  =     16.13
Within VCE type:   OLS           Prob > F       =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	8533.058	17077.99	0.50	0.618	-25183.74	42249.86
Sex	135739.1	13760.54	9.86	0.000	108572.1	162906.1
w1Age	-2563.178	951.0465	-2.70	0.008	-4440.813	-685.5435
Race	-68074.33	14569.8	-4.67	0.000	-96839.15	-39309.51
PovStat	-189.3218	16200.15	-0.01	0.991	-32172.85	31794.21
TIME_V1SCAN	-23.41696	11.51737	-2.03	0.044	-46.15543	-.6784953
w1BMI	724.9021	1103.62	0.66	0.512	-1453.945	2903.749
w1curdrugs	-5984.259	17631.96	-0.34	0.735	-40801.88	28833.36
w1SRH	14337.88	9041.314	1.59	0.115	-3512.11	32187.88
_cons	1142967	72138.1	15.84	0.000	1000547	1285387

```

236 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1curdrugs w1SRH if sample_final==1

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     179
                                   Average RVI        =     0.0049
                                   Largest FMI        =     0.0307
                                   Complete DF       =     169
DF adjustment:  Small sample      DF:      min     =    156.44
                                   avg              =    165.44
                                   max              =    167.01
Model F test:      Equal FMI      F(   9, 167.0)  =     18.80
Within VCE type:   OLS           Prob > F       =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	1544.405	9106.339	0.17	0.866	-16435.04	19523.85
Sex	69838.74	7317.683	9.54	0.000	55391.65	84285.82
w1Age	-2173.814	506.9499	-4.29	0.000	-3174.722	-1172.907
Race	-47553.79	7753.678	-6.13	0.000	-62861.9	-32245.69
PovStat	-1656.741	8621.678	-0.19	0.848	-18678.51	15365.03
TIME_V1SCAN	-9.027316	6.138837	-1.47	0.143	-21.14759	3.092957
w1BMI	445.1349	587.1962	0.76	0.449	-714.1611	1604.431
w1curdrugs	-12089.36	9437.982	-1.28	0.202	-30731.67	6552.959
w1SRH	8856.483	4813.063	1.84	0.068	-645.9664	18358.93
_cons	699232.6	38381.65	18.22	0.000	623456.1	775009

237 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs     =     179
                                   Average RVI        =     0.0022
                                   Largest FMI         =     0.0130
                                   Complete DF         =     169
DF adjustment:   Small sample     DF:      min      =    163.83
                                   avg                  =    166.57
                                   max                  =    166.98
Model F test:      Equal FMI      F(    9, 167.0) =     10.53
Within VCE type:   OLS            Prob > F       =     0.0000

```

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	3722.541	8344.86	0.45	0.656	-12752.59	20197.67
Sex	56288.7	6725.512	8.37	0.000	43010.67	69566.73
w1Age	-756.4107	464.6187	-1.63	0.105	-1673.697	160.8759
Race	-18813.54	7119.779	-2.64	0.009	-32869.99	-4757.095
PovStat	-3124.41	7915.412	-0.39	0.694	-18751.59	12502.77
TIME_V1SCAN	-12.72226	5.632162	-2.26	0.025	-23.84186	-1.602666
w1BMI	276.1763	539.2369	0.51	0.609	-788.4247	1340.777
w1currrdrugs	7790.591	8596.598	0.91	0.366	-9183.817	24765
w1SRH	4299.655	4420.667	0.97	0.332	-4428.026	13027.34
_cons	441208.1	35251.81	12.52	0.000	371611.3	510805

238 .

239 . save, replace
file finaldata_imputed.dta saved

240 .

241 .

242 . //AFRICAN-AMERICAN//

243 .

244 . use finaldata_imputed,clear

245 .

246 .

247 . //ANALYSIS A//

248 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs     =     74
                                   Average RVI        =     0.0024
                                   Largest FMI         =     0.0226
                                   Complete DF         =     65
DF adjustment:   Small sample     DF:      min      =     61.35
                                   avg                  =     62.88
                                   max                  =     63.09
Model F test:      Equal FMI      F(    8, 63.1) =     5.95
Within VCE type:   OLS            Prob > F       =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-40946.89	28790.79	-1.42	0.160	-98479.59	16585.8
Sex	114546.8	21381.28	5.36	0.000	71820.7	157272.9
w1Age	-1270.54	1603.447	-0.79	0.431	-4474.697	1933.617
Race	0	(omitted)				
PovStat	17276.89	24920.29	0.69	0.491	-32521.1	67074.88
TIME_V1SCAN	-23.90442	19.8186	-1.21	0.232	-63.50808	15.69925
w1BMI	-790.816	1930.67	-0.41	0.683	-4648.848	3067.216
w1currdrugs	-1081.936	24005.15	-0.05	0.964	-49077.6	46913.73
w1SRH	15249.01	13560.95	1.12	0.265	-11849.87	42347.89
_cons	1087796	96800.2	11.24	0.000	894361.8	1281231

249 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currdrugs w1SRH if sample_final==1 & Race=

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0025
	Largest FMI	=	0.0091
	Complete DF	=	65
DF adjustment: Small sample	DF: min	=	62.52
	avg	=	62.93
	max	=	63.06
Model F test: Equal FMI	F(8, 63.1)	=	6.63
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-20177.36	16183.41	-1.25	0.217	-52518.26	12163.54
Sex	58628.48	12005.48	4.88	0.000	34637.91	82619.05
w1Age	-1661.759	901.0848	-1.84	0.070	-3462.458	138.9401
Race	0	(omitted)				
PovStat	7760.56	13994.87	0.55	0.581	-20205.53	35726.65
TIME_V1SCAN	-11.33053	11.14561	-1.02	0.313	-33.60444	10.94338
w1BMI	-460.9277	1084.242	-0.43	0.672	-2627.575	1705.719
w1currdrugs	-13466.19	13389.19	-1.01	0.318	-40226.33	13293.95
w1SRH	10700.12	7619.864	1.40	0.165	-4527.177	25927.41
_cons	651920.7	54378.28	11.99	0.000	543254.8	760586.5

250 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currdrugs w1SRH if sample_final==1 & Race=

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0054
	Largest FMI	=	0.0397
	Complete DF	=	65
DF adjustment: Small sample	DF: min	=	59.50
	avg	=	62.56
	max	=	63.05
Model F test: Equal FMI	F(8, 63.1)	=	4.28
Within VCE type: OLS	Prob > F	=	0.0004

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	-20742.59	13336.38	-1.56	0.125	-47395.48	5910.3
Sex	45364.12	9887.163	4.59	0.000	25606.09	65122.14
w1Age	-80.67213	742.4283	-0.11	0.914	-1564.386	1403.042
Race	0	(omitted)				
PovStat	2562.526	11524.81	0.22	0.825	-20468.14	25593.2
TIME_V1SCAN	-9.580888	9.15979	-1.05	0.300	-27.88508	8.723307
w1BMI	-520.0537	892.5392	-0.58	0.562	-2303.633	1263.525
w1currdrugs	11143.15	11185.45	1.00	0.323	-11234.97	33521.27
w1SRH	4230.406	6266.96	0.68	0.502	-8292.906	16753.72
_cons	441731.7	44781.68	9.86	0.000	352240.9	531222.5

```

251 .
252 .
253 . save, replace
    file finaldata_imputed.dta saved

```

```

254 .
255 .
256 .
257 . //WHITES//
258 .
259 . use finaldata_imputed,clear

```

```

260 .
261 .
262 . //ANALYSIS A//
263 . mi estimate: reg TOTALBRAIN LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currdrugs w1SRH if sample_final==1

```

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0076
	Largest FMI	=	0.0669
	Complete DF	=	96
DF adjustment: Small sample	DF: min	=	80.92
	avg	=	92.44
	max	=	94.06
Model F test: Equal FMI	F(8, 94.0)	=	10.24
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	36302.55	22273.8	1.63	0.106	-7922.585	80527.69
Sex	151336	18734.1	8.08	0.000	114136.1	188535.9
w1Age	-2767.596	1293.916	-2.14	0.035	-5336.714	-198.4769
Race	0	(omitted)				
PovStat	-10469.43	22134.62	-0.47	0.637	-54418.25	33479.38
TIME_V1SCAN	-28.15647	14.81617	-1.90	0.060	-57.57411	1.261181
w1BMI	967.1198	1442.125	0.67	0.504	-1896.3	3830.54
w1currdrugs	6748.776	27648.14	0.24	0.808	-48263.12	61760.67
w1SRH	14115.76	12644.59	1.12	0.267	-10990.19	39221.71
_cons	1016868	98904.34	10.28	0.000	820481.1	1213255

264 . mi estimate: reg GM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1 & Race=

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0068
	Largest FMI	=	0.0601
	Complete DF	=	96
DF adjustment: Small sample	DF: min	=	82.71
	avg	=	92.65
	max	=	94.05
Model F test: Equal FMI	F(8, 94.0)	=	10.83
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	12252.32	11474.89	1.07	0.288	-10531.42	35036.07
Sex	78767.67	9644.499	8.17	0.000	59617.18	97918.17
w1Age	-2071.198	666.6309	-3.11	0.003	-3394.825	-747.57
Race	0 (omitted)					
PovStat	-7708.853	11402.34	-0.68	0.501	-30348.51	14930.8
TIME_V1SCAN	-9.380782	7.63375	-1.23	0.222	-24.53777	5.776202
w1BMI	744.8827	742.781	1.00	0.319	-729.9473	2219.713
w1currrdrugs	-954.3332	14193.84	-0.07	0.947	-29186.77	27278.1
w1SRH	7150.737	6513.394	1.10	0.275	-5781.666	20083.14
_cons	612701.7	50925.38	12.03	0.000	511584.3	713819.1

265 . mi estimate: reg WM LnNFLw1 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1 & Race=

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0098
	Largest FMI	=	0.0708
	Complete DF	=	96
DF adjustment: Small sample	DF: min	=	79.88
	avg	=	92.21
	max	=	94.03
Model F test: Equal FMI	F(8, 94.0)	=	7.51
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	18169.81	11253.2	1.61	0.110	-4174.162	40513.79
Sex	64283.27	9464.618	6.79	0.000	45489.1	83077.44
w1Age	-965.082	652.9471	-1.48	0.143	-2261.519	331.3549
Race	0 (omitted)					
PovStat	-5817.91	11173.49	-0.52	0.604	-28003.11	16367.29
TIME_V1SCAN	-17.12466	7.493275	-2.29	0.025	-32.0034	-2.245921
w1BMI	397.4981	728.0068	0.55	0.586	-1048	1842.996
w1currrdrugs	12723.75	13983.92	0.91	0.366	-15105.79	40553.29
w1SRH	5529.646	6384.489	0.87	0.389	-7146.875	18206.17
_cons	395095.4	49991.2	7.90	0.000	295827.5	494363.2

```

266 .
267 .
268 . save, replace
    file finaldata_imputed.dta saved

```

```

269 .
270 . *****INTERACTION BY Race*****
271 .
272 .

```

```
273 . //ANALYSIS A//
```

```
274 . mi estimate: reg TOTALBRAIN c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_
```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI          =     0.0016
                                   Largest FMI           =     0.0172
                                   Complete DF           =     168
DF adjustment:  Small sample      DF:      min      =    161.41
                                   avg                    =    165.58
                                   max                    =    166.03
Model F test:      Equal FMI      F( 10, 166.0) =    15.53
Within VCE type:   OLS            Prob > F       =    0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	34212.03	19863.21	1.72	0.087	-5005.076	73429.13
Race						
AfrAm	57341.78	53494.61	1.07	0.285	-48275.58	162959.1
Race#c.LnNFLw1						
AfrAm	-63735.78	26189.41	-2.43	0.016	-115443	-12028.56
Sex	135613.2	13564.74	10.00	0.000	108831.5	162394.8
w1Age	-2389.115	940.0553	-2.54	0.012	-4245.126	-533.1032
Race	0	(omitted)				
PovStat	-548.968	15969.31	-0.03	0.973	-32078.13	30980.19
TIME_V1SCAN	-24.92292	11.3685	-2.19	0.030	-47.36843	-2.477417
w1BMI	527.8896	1090.835	0.48	0.629	-1625.809	2681.588
w1currrdrugs	-2149.133	17459.63	-0.12	0.902	-36627.89	32329.62
w1SRH	13264.64	8922.906	1.49	0.139	-4352.346	30881.62
_cons	1022886	71351.79	14.34	0.000	882012.3	1163761

```
275 . mi estimate: reg GM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1
```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI          =     0.0035
                                   Largest FMI           =     0.0238
                                   Complete DF           =     168
DF adjustment:  Small sample      DF:      min      =    158.75
                                   avg                    =    164.97
                                   max                    =    166.03
Model F test:      Equal FMI      F( 10, 166.0) =    17.77
Within VCE type:   OLS            Prob > F       =    0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	13621.52	10627.78	1.28	0.202	-7362.412	34605.46
Race						
AfrAm	11428.76	28574.24	0.40	0.690	-44987.5	67845.03
Race#c.LnNFLw1						
AfrAm	-29973.7	13993.51	-2.14	0.034	-57602.29	-2345.107
Sex	69778.86	7240.654	9.64	0.000	55483.24	84074.49
w1Age	-2092.022	502.8735	-4.16	0.000	-3084.915	-1099.128
Race	0	(omitted)				
PovStat	-1826.289	8531.484	-0.21	0.831	-18670.72	15018.15
TIME_V1SCAN	-9.735952	6.079823	-1.60	0.111	-21.74009	2.268186
w1BMI	352.3911	582.4572	0.61	0.546	-797.5931	1502.375
w1currrdrugs	-10295.18	9350.351	-1.10	0.273	-28762.3	8171.951
w1SRH	8351.856	4767.183	1.75	0.082	-1060.384	17764.1
_cons	627228.7	38117.18	16.46	0.000	551970.7	702486.7

276 . mi estimate: reg WM c.LnNFLw1##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0034
	Largest FMI	=	0.0221
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	159.48
	avg	=	165.15
	max	=	165.98
Model F test: Equal FMI	F(10, 166.0)	=	10.22
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw1	15476.54	9737.45	1.59	0.114	-3749.044	34702.13
Race						
AfrAm	38595.07	26212.49	1.47	0.143	-13158.26	90348.39
Race#c.LnNFLw1						
AfrAm	-29175.75	12839.21	-2.27	0.024	-54525.42	-3826.086
Sex	56231.76	6644.732	8.46	0.000	43112.61	69350.91
w1Age	-676.661	460.4424	-1.47	0.144	-1585.746	232.424
Race	0	(omitted)				
PovStat	-3288.607	7819.586	-0.42	0.675	-18727.28	12150.07
TIME_V1SCAN	-13.41118	5.574127	-2.41	0.017	-24.41675	-2.405608
w1BMI	186.0935	534.2666	0.35	0.728	-868.7441	1240.931
w1currrdrugs	9556.539	8569.882	1.12	0.266	-7368.555	26481.63
w1SRH	3808.288	4373.772	0.87	0.385	-4827.235	12443.81
_cons	398580.1	34981.56	11.39	0.000	329512.4	467647.8

```

277 .
278 . save, replace
    file finaldata_imputed.dta saved

279 .
280 .
281 . //////////////////////////////////LnNFLw3 exposure////////////////////////////////////
>
282 .
283 . *****LnNFLw3, MODELS 1 AND 2*****
284 .
285 . *****AFRICAN-AMERICAN*****
286 .
287 . **Model 1**
288 .
289 . use HANDLS_paper51_NFLBRAINSCANFINALIZED,clear

290 .
291 .
292 . //ANALYSIS A//
293 . reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN    if sample_final==1 & Race==2,beta
note: Race omitted because of collinearity.

```

Source	SS	df	MS	Number of obs	=	74
Model	3.3187e+11	5	6.6373e+10	F(5, 68)	=	8.79
Residual	5.1346e+11	68	7.5509e+09	Prob > F	=	0.0000
				R-squared	=	0.3926
				Adj R-squared	=	0.3479
Total	8.4533e+11	73	1.1580e+10	Root MSE	=	86896

TOTALBRAIN	Coefficient	Std. err.	t	P> t	Beta
LnNFLw3	-18547.84	17918.21	-1.04	0.304	-.111493
Sex	121908.8	20845.85	5.85	0.000	.5684291
w1Age	-2098.441	1274.921	-1.65	0.104	-.190504
Race	0 (omitted)				.
PovStat	18302.25	25010.95	0.73	0.467	.0835952
TIME_V1SCAN	-22.97114	19.68631	-1.17	0.247	-.1228129
_cons	1084158	79133.21	13.70	0.000	.

```

294 . reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN    if sample_final==1 & Race==2,beta
note: Race omitted because of collinearity.

```

Source	SS	df	MS	Number of obs	=	74
Model	1.1184e+11	5	2.2368e+10	F(5, 68)	=	9.09
Residual	1.6735e+11	68	2.4610e+09	Prob > F	=	0.0000
				R-squared	=	0.4006
				Adj R-squared	=	0.3565
Total	2.7919e+11	73	3.8245e+09	Root MSE	=	49608

GM	Coefficient	Std. err.	t	P> t	Beta
LnNFLw3	-10746.05	10229.33	-1.05	0.297	-.1124008
Sex	62226.04	11900.7	5.23	0.000	.5048701
w1Age	-1975.72	727.8399	-2.71	0.008	-.3121038
Race	0 (omitted)				.
PovStat	9773.147	14278.51	0.68	0.496	.0776744
TIME_V1SCAN	-11.84125	11.23873	-1.05	0.296	-.1101603
_cons	650379.9	45176.39	14.40	0.000	.

295 . reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN if sample_final==1 & Race==2,beta
 note: **Race** omitted because of collinearity.

Source	SS	df	MS	Number of obs	=	74
Model	5.0856e+10	5	1.0171e+10	F(5, 68)	=	6.38
Residual	1.0838e+11	68	1.5939e+09	Prob > F	=	0.0001
				R-squared	=	0.3194
				Adj R-squared	=	0.2693
Total	1.5924e+11	73	2.1813e+09	Root MSE	=	39923

WM	Coefficient	Std. err.	t	P> t	Beta
LnNFLw3	-8375.268	8232.281	-1.02	0.313	-.1159956
Sex	49379.96	9577.348	5.16	0.000	.5304939
w1Age	-600.3609	585.7452	-1.02	0.309	-.1255765
Race	0 (omitted)				.
PovStat	1615.209	11490.95	0.14	0.889	.0169979
TIME_V1SCAN	-8.158743	9.044612	-0.90	0.370	-.1005016
_cons	434152.5	36356.69	11.94	0.000	.

296 .
 297 .
 298 . **Model 2**
 299 .
 300 . use finaldata_imputed,clear

 301 .
 302 .
 303 . //ANALYSIS A//
 304 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==2

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	67
DF adjustment: Small sample	DF: min	=	65.09
	avg	=	65.09
	max	=	65.09
Model F test: Equal FMI	F(6, 65.1)	=	7.28
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-16875.36	18331.88	-0.92	0.361	-53485.75	19735.02
Sex	123194.2	21122.37	5.83	0.000	81010.95	165377.4
w1Age	-2280.453	1333.641	-1.71	0.092	-4943.851	382.945
Race	0 (omitted)					
PovStat	16902.76	25308.97	0.67	0.507	-33641.49	67447.01
TIME_V1SCAN	-22.89243	19.79708	-1.16	0.252	-62.42894	16.64409
w1BMI	829.9951	1675.104	0.50	0.622	-2515.334	4175.324
_cons	1064617	88812.51	11.99	0.000	887250.2	1241983

305 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==2

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	67
DF adjustment: Small sample	DF: min	=	65.09
	avg	=	65.09
	max	=	65.09
Model F test: Equal FMI	F(6, 65.1)	=	7.56
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-9606.053	10457.33	-0.92	0.362	-30490.27	11278.16
Sex	63102.16	12049.15	5.24	0.000	39038.94	87165.38
w1Age	-2099.783	760.7688	-2.76	0.007	-3619.105	-580.4608
Race	0 (omitted)					
PovStat	8819.22	14437.38	0.61	0.543	-20013.5	37651.94
TIME_V1SCAN	-11.78759	11.29315	-1.04	0.300	-34.341	10.76582
w1BMI	565.7426	955.5546	0.59	0.556	-1342.584	2474.069
_cons	637060.3	50662.66	12.57	0.000	535882.5	738238.1

306 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==2

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	67
DF adjustment: Small sample	DF: min	=	65.09
	avg	=	65.09
	max	=	65.09
Model F test: Equal FMI	F(6, 65.1)	=	5.24
Within VCE type: OLS	Prob > F	=	0.0002

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-8243.544	8437.301	-0.98	0.332	-25093.58	8606.49
Sex	49481.2	9721.633	5.09	0.000	30066.24	68896.15
w1Age	-614.6962	613.812	-1.00	0.320	-1840.533	611.1404
Race	0 (omitted)					
PovStat	1504.985	11648.53	0.13	0.898	-21758.15	24768.12
TIME_V1SCAN	-8.152543	9.111664	-0.89	0.374	-26.34934	10.04425
w1BMI	65.37044	770.9712	0.08	0.933	-1474.327	1605.068
_cons	432613.5	40876.22	10.58	0.000	350980.1	514246.9

307 .

```

308 . save, replace
    file finaldata_imputed.dta saved

309 .
310 . *****WHITES*****
311 .
312 . **Model 1**
313 .
314 .
315 . use HANDLS_paper51_NFLBRAINSKANFINALIZED,clear

316 .
317 .
318 . //ANALYSIS A//
319 . reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN    if sample_final==1 & Race==1,beta
    note: Race omitted because of collinearity.

```

Source	SS	df	MS	Number of obs	=	105
Model	6.4104e+11	5	1.2821e+11	F(5, 99)	=	15.84
Residual	8.0147e+11	99	8.0957e+09	Prob > F	=	0.0000
				R-squared	=	0.4444
				Adj R-squared	=	0.4163
Total	1.4425e+12	104	1.3870e+10	Root MSE	=	89976

TOTALBRAIN	Coefficient	Std. err.	t	P> t	Beta
LnNFLw3	11911.01	19691.19	0.60	0.547	.0513042
Sex	149423.5	17919.6	8.34	0.000	.6325119
w1Age	-1985.824	1181.512	-1.68	0.096	-.142038
Race	0 (omitted)				.
PovStat	-19000.84	21233.19	-0.89	0.373	-.0708511
TIME_V1SCAN	-23.21674	14.12331	-1.64	0.103	-.1287583
_cons	1092868	72065.17	15.16	0.000	.

```

320 . reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN    if sample_final==1 & Race==1,beta
    note: Race omitted because of collinearity.

```

Source	SS	df	MS	Number of obs	=	105
Model	1.8143e+11	5	3.6285e+10	F(5, 99)	=	17.00
Residual	2.1136e+11	99	2.1350e+09	Prob > F	=	0.0000
				R-squared	=	0.4619
				Adj R-squared	=	0.4347
Total	3.9279e+11	104	3.7768e+09	Root MSE	=	46206

GM	Coefficient	Std. err.	t	P> t	Beta
LnNFLw3	-383.7444	10112.06	-0.04	0.970	-.0031676
Sex	78266.15	9202.294	8.51	0.000	.6348997
w1Age	-1706.098	606.7448	-2.81	0.006	-.2338563
Race	0 (omitted)				.
PovStat	-11425.38	10903.93	-1.05	0.297	-.0816443
TIME_V1SCAN	-7.461271	7.252777	-1.03	0.306	-.0792991
_cons	661033	37007.8	17.86	0.000	.

321 . reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN if sample_final==1 & Race==1,beta
 note: **Race** omitted because of collinearity.

Source	SS	df	MS	Number of obs	=	105
Model	1.1746e+11	5	2.3492e+10	F(5, 99)	=	11.34
Residual	2.0509e+11	99	2.0716e+09	Prob > F	=	0.0000
				R-squared	=	0.3642
				Adj R-squared	=	0.3320
Total	3.2255e+11	104	3.1015e+09	Root MSE	=	45515

WM	Coefficient	Std. err.	t	P> t	Beta
LnNFLw3	7225.937	9960.985	0.73	0.470	.06582
Sex	61836.75	9064.807	6.82	0.000	.5535488
w1Age	-642.2755	597.6797	-1.07	0.285	-.0971504
Race	0 (omitted)				.
PovStat	-10347.38	10741.02	-0.96	0.338	-.081595
TIME_V1SCAN	-14.48656	7.144417	-2.03	0.045	-.169902
_cons	431138	36454.89	11.83	0.000	.

322 .
 323 .
 324 . **Model 2**
 325 .
 326 .
 327 . use finaldata_imputed,clear

328 .
 329 .
 330 .
 331 . //ANALYSIS A//
 332 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	98
DF adjustment: Small sample	DF: min	=	96.06
	avg	=	96.06
	max	=	96.06
Model F test: Equal FMI	F(6, 96.1)	=	13.12
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	12468.25	19814.52	0.63	0.531	-26862.94	51799.44
Sex	150423.2	18141.6	8.29	0.000	114412.7	186433.8
w1Age	-1947.115	1189.768	-1.64	0.105	-4308.766	414.5362
Race	0 (omitted)					
PovStat	-19154.57	21323.89	-0.90	0.371	-61481.82	23172.67
TIME_V1SCAN	-22.30441	14.3378	-1.56	0.123	-50.76449	6.155672
w1BMI	612.9474	1417.711	0.43	0.666	-2201.165	3427.06
_cons	1068736	91387.33	11.69	0.000	887335.2	1250137

333 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==1

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     105
                                   Average RVI        =     0.0000
                                   Largest FMI         =     0.0000
                                   Complete DF         =      98
DF adjustment:  Small sample      DF:      min     =     96.06
                                   avg                   =     96.06
                                   max                   =     96.06
Model F test:      Equal FMI      F(   6,   96.1) =     14.24
Within VCE type:   OLS           Prob > F       =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	171.9681	10148.47	0.02	0.987	-19972.42	20316.36
Sex	79263.12	9291.647	8.53	0.000	60819.49	97706.75
w1Age	-1667.496	609.3674	-2.74	0.007	-2877.071	-457.9204
Race	0 (omitted)					
PovStat	-11578.7	10921.53	-1.06	0.292	-33257.59	10100.2
TIME_V1SCAN	-6.551448	7.34344	-0.89	0.375	-21.12795	8.025049
w1BMI	611.2593	726.1142	0.84	0.402	-830.0547	2052.573
_cons	636968.1	46806.17	13.61	0.000	544059.3	729876.8

334 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1 & Race==1

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     105
                                   Average RVI        =     0.0000
                                   Largest FMI         =     0.0000
                                   Complete DF         =      98
DF adjustment:  Small sample      DF:      min     =     96.06
                                   avg                   =     96.06
                                   max                   =     96.06
Model F test:      Equal FMI      F(   6,   96.1) =      9.37
Within VCE type:   OLS           Prob > F       =     0.0000

```

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	7365.14	10030.6	0.73	0.465	-12545.28	27275.56
Sex	62086.49	9183.726	6.76	0.000	43857.08	80315.89
w1Age	-632.6058	602.2897	-1.05	0.296	-1828.132	562.9203
Race	0 (omitted)					
PovStat	-10385.78	10794.68	-0.96	0.338	-31812.88	11041.32
TIME_V1SCAN	-14.25865	7.258147	-1.96	0.052	-28.66585	.1485403
w1BMI	153.1162	717.6805	0.21	0.832	-1271.457	1577.69
_cons	425109.9	46262.52	9.19	0.000	333280.3	516939.6

335 .

```

336 . save, replace
    file finaldata_imputed.dta saved

337 .
338 .
339 .
340 . //INTERACTION BY Race//
341 .
342 .
343 . //ANALYSIS A//
344 . mi estimate: reg TOTALBRAIN c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0000
                                   Largest FMI         =     0.0000
                                   Complete DF         =     170
DF adjustment:  Small sample      DF:      min      =    168.03
                                   avg                  =    168.03
                                   max                  =    168.03
Model F test:      Equal FMI      F(      8, 168.0) =     18.27
Within VCE type:  OLS            Prob > F         =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	17089.45	18422.79	0.93	0.355	-19280.49	53459.38
Race						
AfrAm	10359.86	53810.89	0.19	0.848	-95872.64	116592.4
Race#c.LnNFLw3						
AfrAm	-37083.94	23544.98	-1.58	0.117	-83566.01	9398.135
Sex	139330.1	13681.06	10.18	0.000	112321.2	166339
w1Age	-2201.935	853.3511	-2.58	0.011	-3886.605	-517.2641
Race	0	(omitted)				
PovStat	-2379.567	15882.5	-0.15	0.881	-33734.51	28975.37
TIME_V1SCAN	-21.78963	11.36841	-1.92	0.057	-44.23294	.653672
w1BMI	710.4608	1056.562	0.67	0.502	-1375.385	2796.307
_cons	1061589	70199.55	15.12	0.000	923002	1200175

```

345 . mi estimate: reg GM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0000
                                   Largest FMI         =     0.0000
                                   Complete DF         =     170
DF adjustment:  Small sample      DF:      min      =    168.03
                                   avg                  =    168.03
                                   max                  =    168.03
Model F test:      Equal FMI      F(      8, 168.0) =     20.62
Within VCE type:  OLS            Prob > F         =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	3870.013	9883.729	0.39	0.696	-15642.27	23382.3
Race AfrAm	-15020.28	28869.26	-0.52	0.604	-72013.47	41972.91
Race#c.LnNFLw3 AfrAm	-16100.55	12631.76	-1.27	0.204	-41037.94	8836.845
Sex	72787.69	7339.819	9.92	0.000	58297.54	87277.83
w1Age	-1949.981	457.8184	-4.26	0.000	-2853.798	-1046.164
Race	0 (omitted)					
PovStat	-2144.962	8520.876	-0.25	0.802	-18966.72	14676.8
TIME_V1SCAN	-8.196717	6.09909	-1.34	0.181	-20.23743	3.843998
w1BMI	553.6187	566.84	0.98	0.330	-565.4268	1672.664
_cons	644494.2	37661.69	17.11	0.000	570143.2	718845.3

346 . mi estimate: reg WM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI if sample_final==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	Complete DF	=	170
DF adjustment: Small sample	DF: min	=	168.03
	avg	=	168.03
	max	=	168.03
Model F test: Equal FMI	F(8, 168.0)	=	12.01
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	8232.902	8990.38	0.92	0.361	-9515.746	25981.55
Race AfrAm	18816	26259.89	0.72	0.475	-33025.81	70657.81
Race#c.LnNFLw3 AfrAm	-17067.08	11490.02	-1.49	0.139	-39750.48	5616.325
Sex	56838.24	6676.403	8.51	0.000	43657.8	70018.68
w1Age	-646.4135	416.4381	-1.55	0.122	-1468.538	175.7112
Race	0 (omitted)					
PovStat	-4544.83	7750.709	-0.59	0.558	-19846.14	10756.48
TIME_V1SCAN	-11.87029	5.547819	-2.14	0.034	-22.8227	-.9178865
w1BMI	158.376	515.6057	0.31	0.759	-859.5235	1176.276
_cons	419363.9	34257.61	12.24	0.000	351733.1	486994.6

```

347 .
348 . save, replace
      file finaldata_imputed.dta saved

349 .
350 .
351 . *****LnNFLw3, MODELS 3-6*****
352 .
353 . *****MODEL 3: MODEL 2+w1dxDiabetes w1Glucose*****
354 .
355 . //AFRICAN-AMERICAN//
356 .
357 .
358 . use finaldata_imputed,clear

359 .
360 .
361 .
362 . //ANALYSIS A//
363 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_fin

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     74
                                   Average RVI        =     0.0095
                                   Largest FMI        =     0.0672
                                   Complete DF       =     65
DF adjustment:  Small sample      DF:      min     =     55.87
                                   avg               =     61.73
                                   max               =     63.07
Model F test:      Equal FMI      F(      8,    63.0) =     6.09
Within VCE type:   OLS           Prob > F       =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-26585.32	18846.38	-1.41	0.163	-64261.51	11090.86
Sex	119981.6	21144.48	5.67	0.000	77724.75	162238.4
w1Age	-1549.933	1369.818	-1.13	0.262	-4287.871	1188.005
Race	0 (omitted)					
PovStat	17256.6	24923.8	0.69	0.491	-32548.79	67062
TIME_V1SCAN	-25.34489	19.53524	-1.30	0.199	-64.38217	13.69239
w1BMI	598.7203	1669.696	0.36	0.721	-2737.916	3935.356
w1dxDiabetes	-37221.69	20162.46	-1.85	0.070	-77614.03	3170.643
w1Glucose	972.4667	587.1417	1.66	0.103	-201.4542	2146.388
_cons	987451.6	98395.58	10.04	0.000	790783.4	1184120

```

364 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_final==1 &

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     74
                                   Average RVI        =     0.0057
                                   Largest FMI        =     0.0246
                                   Complete DF       =     65
DF adjustment:  Small sample      DF:      min     =     61.15
                                   avg               =     62.51
                                   max               =     63.06
Model F test:      Equal FMI      F(      8,    63.1) =     6.76
Within VCE type:   OLS           Prob > F       =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-16393.42	10558.1	-1.55	0.126	-37496.4	4709.568
Sex	61327.33	11905.16	5.15	0.000	37533.16	85121.5
w1Age	-1588.734	768.4561	-2.07	0.043	-3124.547	-52.92066
Race	0	(omitted)				
PovStat	9128.168	14011.73	0.65	0.517	-18871.8	37128.14
TIME_V1SCAN	-13.54728	10.98082	-1.23	0.222	-35.49032	8.395763
w1BMI	440.5349	938.9649	0.47	0.641	-1435.885	2316.955
w1dxDiabetes	-26667.93	11097	-2.40	0.019	-48856.63	-4479.225
w1Glucose	618.2421	328.2655	1.88	0.064	-37.8854	1274.37
_cons	587455.7	55219.85	10.64	0.000	477093.3	697818

365 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_final==1 &

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0159
	Largest FMI	=	0.1280
	Complete DF	=	65
DF adjustment: Small sample	DF: min	=	46.59
	avg	=	60.34
	max	=	63.08
Model F test: Equal FMI	F(8, 63.0)	=	4.13
Within VCE type: OLS	Prob > F	=	0.0005

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-11337.08	8815.93	-1.29	0.203	-28962.82	6288.654
Sex	48161.49	9862.215	4.88	0.000	28453.25	67869.73
w1Age	-382.5191	640.864	-0.60	0.553	-1663.566	898.5283
Race	0	(omitted)				
PovStat	1575.422	11639.3	0.14	0.893	-21683.31	24834.15
TIME_V1SCAN	-8.903146	9.124657	-0.98	0.333	-27.13697	9.330675
w1BMI	-31.15664	779.5075	-0.04	0.968	-1588.855	1526.542
w1dxDiabetes	-11438.81	9708.269	-1.18	0.245	-30973.84	8096.224
w1Glucose	348.7727	277.3206	1.26	0.213	-206.1816	903.7269
_cons	405287.4	46063.34	8.80	0.000	313206.8	497368

366 .
367 . save, replace
file finaldata_imputed.dta saved

368 .
369 .
370 .
371 . //WHITES//
372 .
373 . use finaldata_imputed,clear

```

374 .
375 .
376 . //ANALYSIS A//
377 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_fin

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     105
                                   Average RVI        =     0.0000
                                   Largest FMI        =     0.0000
                                   Complete DF       =      96
DF adjustment:  Small sample      DF:      min     =     94.06
                                   avg               =     94.06
                                   max               =     94.06
Model F test:      Equal FMI      F(   8,   94.1)  =     10.02
Within VCE type:   OLS            Prob > F        =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	15832.77	20980.02	0.75	0.452	-25823.21	57488.74
Sex	147189.2	18659.77	7.89	0.000	110140.1	184238.3
w1Age	-2138.249	1202.583	-1.78	0.079	-4525.986	249.4872
Race	0 (omitted)					
PovStat	-20475.56	21481.94	-0.95	0.343	-63128.1	22176.98
TIME_V1SCAN	-20.04601	14.66541	-1.37	0.175	-49.16429	9.072266
w1BMI	428.6407	1477.487	0.29	0.772	-2504.919	3362.2
w1dxDiabetes	24851.81	19636.95	1.27	0.209	-14137.48	63841.09
w1Glucose	-454.7993	421.7988	-1.08	0.284	-1292.284	382.685
_cons	1114169	98113.28	11.36	0.000	919364.1	1308973

```

378 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_final==1 &

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     105
                                   Average RVI        =     0.0000
                                   Largest FMI        =     0.0000
                                   Complete DF       =      96
DF adjustment:  Small sample      DF:      min     =     94.06
                                   avg               =     94.06
                                   max               =     94.06
Model F test:      Equal FMI      F(   8,   94.1)  =     10.71
Within VCE type:   OLS            Prob > F        =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	667.1272	10779.56	0.06	0.951	-20735.76	22070.02
Sex	77519.11	9587.412	8.09	0.000	58483.24	96554.98
w1Age	-1752.631	617.8886	-2.84	0.006	-2979.453	-525.8087
Race	0 (omitted)					
PovStat	-12381.06	11037.45	-1.12	0.265	-34295.98	9533.869
TIME_V1SCAN	-5.331794	7.535107	-0.71	0.481	-20.2928	9.629212
w1BMI	486.972	759.1344	0.64	0.523	-1020.294	1994.238
w1dxDiabetes	10494.97	10089.49	1.04	0.301	-9537.773	30527.71
w1Glucose	-148.8863	216.7207	-0.69	0.494	-579.1868	281.4141
_cons	655789.2	50410.72	13.01	0.000	555698.4	755880.1

379 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_final==1 &

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     105
                                   Average RVI       =     0.0000
                                   Largest FMI       =     0.0000
                                   Complete DF      =      96
DF adjustment:  Small sample      DF:      min    =     94.06
                                   avg              =     94.06
                                   max              =     94.06
Model F test:      Equal FMI      F(   8,  94.1) =     7.09
Within VCE type:   OLS           Prob > F      =     0.0000

```

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	8928.32	10656.65	0.84	0.404	-12230.53	30087.17
Sex	60930.51	9478.096	6.43	0.000	42111.69	79749.34
w1Age	-705.8275	610.8434	-1.16	0.251	-1918.661	507.0063
Race	0 (omitted)					
PovStat	-10833.35	10911.6	-0.99	0.323	-32498.41	10831.7
TIME_V1SCAN	-13.4519	7.449192	-1.81	0.074	-28.24232	1.338521
w1BMI	94.0426	750.4787	0.13	0.901	-1396.038	1584.123
w1dxDiabetes	9677.503	9974.446	0.97	0.334	-10126.83	29481.83
w1Glucose	-188.9037	214.2497	-0.88	0.380	-614.2979	236.4904
_cons	442901.5	49835.94	8.89	0.000	343951.9	541851.1

380 .
381 .
382 . save, replace
file finaldata_imputed.dta saved

383 .
384 .
385 . //INTERACTION BY Race//
386 .
387 .
388 .
389 . //ANALYSIS A//
390 . mi estimate: reg TOTALBRAIN c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sa

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                 Number of obs    =     179
                                   Average RVI       =     0.0059
                                   Largest FMI       =     0.0635
                                   Complete DF      =     168
DF adjustment:  Small sample      DF:      min    =    136.18
                                   avg              =    162.32
                                   max              =    166.03
Model F test:      Equal FMI      F(  10, 166.0) =    14.37
Within VCE type:   OLS           Prob > F      =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	16341.01	19411.83	0.84	0.401	-21984.97	54666.99
Race						
AfrAm	10892.88	55286.46	0.20	0.844	-98262.67	120048.4
Race#c.LnNFLw3						
AfrAm	-37188.26	24302.22	-1.53	0.128	-85169.6	10793.08
Sex	139554.3	13975.67	9.99	0.000	111961.2	167147.3

w1Age	-2154.598	876.272	-2.46	0.015	-3884.712	-424.4837
Race	0	(omitted)				
PovStat	-2338.409	16012.19	-0.15	0.884	-33952.16	29275.34
TIME_V1SCAN	-22.0461	11.56187	-1.91	0.058	-44.87344	.7812406
w1BMI	725.6044	1089.761	0.67	0.506	-1425.984	2877.192
w1dxDiabetes	-3704.579	14226.44	-0.26	0.795	-31837.89	24428.73
w1Glucose	72.26765	339.7894	0.21	0.832	-598.8558	743.3911
_cons	1054782	74955.29	14.07	0.000	906783	1202781

391 . mi estimate: reg GM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0025
	Largest FMI	=	0.0268
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	157.42
	avg	=	164.89
	max	=	166.03
Model F test: Equal FMI	F(10, 166.0)	=	16.45
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	2274.544	10387.39	0.22	0.827	-18233.89	22782.98
Race						
AfrAm	-14663.21	29588.26	-0.50	0.621	-73081.22	43754.8
Race#c.LnNFLw3						
AfrAm	-16004.58	13006.04	-1.23	0.220	-41683.2	9674.048
Sex	73067.35	7479.198	9.77	0.000	58300.68	87834.02
w1Age	-1864.343	468.6753	-3.98	0.000	-2789.687	-938.9985
Race	0	(omitted)				
PovStat	-2090.244	8569.129	-0.24	0.808	-19008.75	14828.26
TIME_V1SCAN	-8.628854	6.186118	-1.39	0.165	-20.84246	3.584754
w1BMI	570.5082	583.1549	0.98	0.329	-580.852	1721.868
w1dxDiabetes	-6848.79	7475.579	-0.92	0.361	-21614.17	7916.589
w1Glucose	144.287	180.4558	0.80	0.425	-212.0352	500.6092
_cons	631861.5	40042.91	15.78	0.000	552800	710923.1

392 . mi estimate: reg WM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1dxDiabetes w1Glucose if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0083
	Largest FMI	=	0.0879
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	120.14
	avg	=	160.29
	max	=	166.03
Model F test: Equal FMI	F(10, 165.9)	=	9.42
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	8054.658	9475.136	0.85	0.397	-10652.71	26762.02
Race						
AfrAm	18373.77	26983.37	0.68	0.497	-34901.18	71648.71
Race#c.LnNFLw3						
AfrAm	-16852.08	11861.09	-1.42	0.157	-40270.15	6565.985
Sex	56741.2	6821.175	8.32	0.000	43273.71	70208.7
w1Age	-650.4884	427.8522	-1.52	0.130	-1495.247	194.2704
Race	0 (omitted)					
PovStat	-4606.779	7815.306	-0.59	0.556	-20036.97	10823.41
TIME_V1SCAN	-11.78751	5.643959	-2.09	0.038	-22.93076	-.6442469
w1BMI	147.8949	531.912	0.28	0.781	-902.2952	1198.085
w1dxDiabetes	388.3912	7029.096	0.06	0.956	-13528.57	14305.35
w1Glucose	3.964884	166.7349	0.02	0.981	-325.4462	333.376
_cons	419775.5	36626.08	11.46	0.000	347455.4	492095.6

```

393 .
394 . save, replace
    file finaldata_imputed.dta saved

395 .
396 .
397 . *****MODEL 4: MODEL 2+liver/kidney disease*****
398 .
399 . //AFRICAN-AMERICAN//
400 .
401 . use finaldata_imputed,clear

402 .
403 .
404 .
405 . //ANALYSIS A//
406 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     74
                                   Average RVI        =     0.0894
                                   Largest FMI         =     0.5635
                                   Complete DF        =     62
DF adjustment:  Small sample      DF:      min     =     10.36
                                   avg              =     52.13
                                   max              =     59.61
Model F test:      Equal FMI      F( 11, 58.8) =     4.07
Within VCE type:   OLS            Prob > F       =     0.0002

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-19516.82	19497.13	-1.00	0.321	-58523.65	19490.02
Sex	156359.1	29438.26	5.31	0.000	96541.01	216177.3
w1Age	-1886.387	1529.324	-1.23	0.222	-4947.216	1174.443
Race	0 (omitted)					
PovStat	20425.68	25697.57	0.79	0.430	-30984.09	71835.44
TIME_V1SCAN	-25.7146	20.24063	-1.27	0.209	-66.20893	14.77973
w1BMI	2692.32	1926.207	1.40	0.168	-1164.967	6549.607
w1Creatinine	-50220.61	69814.64	-0.72	0.488	-205056.5	104615.3
w1USpecGrav	-1036826	1693725	-0.61	0.543	-4425580	2351928
w1BUN	-835.7732	3643.409	-0.23	0.819	-8149.491	6477.944
w1ALP	605.2099	556.335	1.09	0.281	-508.0497	1718.469

w1UricAcid	-10132.44	9397.379	-1.08	0.285	-28940.74	8675.854
_cons	2075184	1717167	1.21	0.232	-1360471	5510839

407 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0773
	Largest FMI	=	0.5327
	Complete DF	=	62
DF adjustment: Small sample	DF: min	=	11.39
	avg	=	53.19
	max	=	59.94
Model F test: Equal FMI	F(11, 59.1)	=	3.89
Within VCE type: OLS	Prob > F	=	0.0003

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-12797.14	11316.4	-1.13	0.263	-35434.05	9839.775
Sex	75205.88	16688.68	4.51	0.000	41495.03	108916.7
w1Age	-2071.537	890.7418	-2.33	0.024	-3854.381	-288.6931
Race	0 (omitted)					
PovStat	11526.76	15003.14	0.77	0.445	-18493.11	41546.63
TIME_V1SCAN	-13.5198	11.78487	-1.15	0.256	-37.09758	10.05799
w1BMI	1236.91	1113.298	1.11	0.271	-991.2746	3465.094
w1Creatinine	-5713.833	39447.64	-0.14	0.887	-92176.46	80748.8
w1USpecGrav	-921156.8	981630.4	-0.94	0.352	-2884747	1042434
w1BUN	813.7424	2099.411	0.39	0.700	-3395.306	5022.791
w1ALP	298.6926	322.9703	0.92	0.359	-347.4876	944.8728
w1UricAcid	-4889.607	5484.374	-0.89	0.376	-15868.43	6089.22
_cons	1544674	995297.8	1.55	0.126	-446260.5	3535609

408 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.1007
	Largest FMI	=	0.5751
	Complete DF	=	62
DF adjustment: Small sample	DF: min	=	9.99
	avg	=	51.13
	max	=	59.60
Model F test: Equal FMI	F(11, 58.6)	=	3.26
Within VCE type: OLS	Prob > F	=	0.0016

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-8802.66	8867.524	-0.99	0.325	-26547.82	8942.501
Sex	67024.07	13479.57	4.97	0.000	39557.74	94490.39
w1Age	-418.9825	696.4742	-0.60	0.550	-1813.509	975.5438
Race	0 (omitted)					
PovStat	2380.791	11639.09	0.20	0.839	-20904.06	25665.64
TIME_V1SCAN	-9.128113	9.212646	-0.99	0.326	-27.56469	9.308463
w1BMI	1013.633	882.3007	1.15	0.256	-755.1977	2782.465
w1Creatinine	-35785.23	32006.4	-1.12	0.290	-107106.1	35535.64
w1USpecGrav	-253271.6	772025	-0.33	0.744	-1798547	1292004
w1BUN	-663.5921	1655.408	-0.40	0.690	-3988.132	2660.948
w1ALP	278.2259	253.183	1.10	0.276	-228.5792	785.0311
w1UricAcid	-4322.24	4249.467	-1.02	0.313	-12826.39	4181.914
_cons	674872.2	782449	0.86	0.392	-891231.4	2240976

```

409 .
410 . save, replace
      file finaldata_imputed.dta saved

411 .
412 .
413 .
414 . //WHITES//
415 .
416 . use finaldata_imputed,clear

417 .
418 .
419 .
420 . //ANALYSIS A//
421 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     105
                                   Average RVI        =     0.0224
                                   Largest FMI         =     0.2148
                                   Complete DF         =      93
DF adjustment:  Small sample      DF:      min     =     42.94
                                   avg                 =     85.36
                                   max                 =     90.98
Model F test:      Equal FMI      F( 11, 90.8)    =      8.47
Within VCE type:   OLS            Prob > F        =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	15110.08	20373.07	0.74	0.460	-25361.13	55581.29
Sex	175438.8	23793.89	7.37	0.000	128118.9	222758.7
w1Age	-1748.407	1178.218	-1.48	0.141	-4088.876	592.0626
Race	0	(omitted)				
PovStat	-15632.89	20912.62	-0.75	0.457	-57173.36	25907.59
TIME_V1SCAN	-27.53	14.3251	-1.92	0.058	-55.98696	.9269545
w1BMI	2383.78	1521.075	1.57	0.121	-637.7416	5405.301
w1Creatinine	28004.87	61180.97	0.46	0.649	-95382.99	151392.7
w1USpecGrav	1215414	1676652	0.72	0.470	-2115985	4546814
w1BUN	-317.2223	2602.231	-0.12	0.903	-5491.851	4857.406
w1ALP	185.0451	434.897	0.43	0.671	-678.8335	1048.924
w1UricAcid	-23504.11	7474.562	-3.14	0.002	-38351.95	-8656.277
_cons	-174001.4	1684702	-0.10	0.918	-3521448	3173445

```

422 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs    =     105
                                   Average RVI        =     0.0323
                                   Largest FMI         =     0.2867
                                   Complete DF         =      93
DF adjustment:  Small sample      DF:      min     =     31.69
                                   avg                 =     84.32
                                   max                 =     91.04
Model F test:      Equal FMI      F( 11, 90.6)    =      8.46
Within VCE type:   OLS            Prob > F        =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-300.9222	10624.89	-0.03	0.977	-21408.64	20806.79
Sex	89685.78	12429.73	7.22	0.000	64959.12	114412.4
w1Age	-1656.993	613.8338	-2.70	0.008	-2876.372	-437.6147
Race	0	(omitted)				
PovStat	-9870.089	10883.66	-0.91	0.367	-31489.03	11748.86
TIME_V1SCAN	-8.663213	7.462767	-1.16	0.249	-23.48843	6.162003
w1BMI	1369.289	793.0461	1.73	0.088	-206.1238	2944.702
w1Creatinine	18610.1	33164.07	0.56	0.579	-48969.07	86189.27
w1USpecGrav	303328.1	868871.3	0.35	0.728	-1422741	2029397
w1BUN	177.9935	1356.07	0.13	0.896	-2518.814	2874.801
w1ALP	209.9214	226.6491	0.93	0.357	-240.3083	660.1512
w1UricAcid	-10262.13	3897.447	-2.63	0.010	-18004.62	-2519.641
_cons	314065.5	873024	0.36	0.720	-1420272	2048403

423 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP w1UricAcid

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0062
	Largest FMI	=	0.0608
	Complete DF	=	93
DF adjustment: Small sample	DF: min	=	80.10
	avg	=	89.92
	max	=	91.05
Model F test: Equal FMI	F(11, 91.0)	=	6.38
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	9793.169	10320.99	0.95	0.345	-10708.41	30294.75
Sex	75228.19	11860.04	6.34	0.000	51666.65	98789.73
w1Age	-499.7932	597.548	-0.84	0.405	-1686.766	687.1793
Race	0	(omitted)				
PovStat	-8746.513	10610.29	-0.82	0.412	-29822.4	12329.37
TIME_V1SCAN	-16.71	7.254497	-2.30	0.024	-31.12017	-2.299835
w1BMI	1032.786	771.4061	1.34	0.184	-499.5298	2565.101
w1Creatinine	7602.516	28680.22	0.27	0.792	-49471.88	64676.91
w1USpecGrav	680390.4	845431.6	0.80	0.423	-999009	2359790
w1BUN	-391.6137	1297.196	-0.30	0.763	-2968.542	2185.314
w1ALP	42.33248	220.6134	0.19	0.848	-395.8881	480.5531
w1UricAcid	-11361.64	3789.617	-3.00	0.004	-18889.29	-3833.999
_cons	-264650.8	849212.8	-0.31	0.756	-1951562	1422260

424 .

425 . save, replace
file finaldata_imputed.dta saved

```

426 .
427 . **INTERACTION BY Race**
428 .
429 .
430 . //ANALYSIS A//
431 . mi estimate: reg TOTALBRAIN c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BU

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0236
                                   Largest FMI         =     0.2615
                                   Complete DF         =     165
DF adjustment:  Small sample      DF:      min      =     44.89
                                   avg              =    152.20
                                   max              =    162.97
Model F test:      Equal FMI      F( 13, 162.6)    =     12.44
Within VCE type:   OLS            Prob > F         =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	19468.32	18682.91	1.04	0.299	-17424.09	56360.73
Race						
AfrAm	16017.46	53655.64	0.30	0.766	-89939.01	121973.9
Race#c.LnNFLw3						
AfrAm	-37647.4	23325.32	-1.61	0.108	-83707.38	8412.58
Sex	169010.6	17396.69	9.72	0.000	134622	203399.1
w1Age	-1726.834	873.7535	-1.98	0.050	-3452.191	-1.47618
Race	0	(omitted)				
PovStat	-270.1439	15651.29	-0.02	0.986	-31175.62	30635.34
TIME_V1SCAN	-22.20473	11.2107	-1.98	0.049	-44.34211	-.0673522
w1BMI	2337.446	1151.79	2.03	0.044	63.05176	4611.84
w1Creatinine	-21533.13	39650.71	-0.54	0.590	-101399.4	58333.11
w1USpecGrav	-42707.38	1144089	-0.04	0.970	-2301878	2216463
w1BUN	1.849314	2009.316	0.00	0.999	-3967.358	3971.056
w1ALP	306.1121	330.3973	0.93	0.356	-346.2995	958.5237
w1UricAcid	-17750.62	5667.916	-3.13	0.002	-28942.98	-6558.265
_cons	1076477	1151571	0.93	0.351	-1197468	3350422

```

432 . mi estimate: reg GM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0204
                                   Largest FMI         =     0.2375
                                   Complete DF         =     165
DF adjustment:  Small sample      DF:      min      =     50.86
                                   avg              =    152.84
                                   max              =    162.96
Model F test:      Equal FMI      F( 13, 162.7)    =     13.31
Within VCE type:   OLS            Prob > F         =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	2514.159	10168.68	0.25	0.805	-17566.21	22594.53
Race						
AfrAm	-12984.86	29150.32	-0.45	0.657	-70549.22	44579.5
Race#c.LnNFLw3						
AfrAm	-15804.68	12675.87	-1.25	0.214	-40835.49	9226.131
Sex	84760.1	9439.366	8.98	0.000	66102.91	103417.3
w1Age	-1824.858	474.6439	-3.84	0.000	-2762.11	-887.6071
Race	0	(omitted)				
PovStat	-580.3684	8504.616	-0.07	0.946	-17373.83	16213.09
TIME_V1SCAN	-8.575885	6.094063	-1.41	0.161	-20.60971	3.457943
w1BMI	1231.319	625.9033	1.97	0.051	-4.629322	2467.266
w1Creatinine	1097.65	21250.83	0.05	0.959	-41568.11	43763.41
w1USpecGrav	-302347.7	622504.9	-0.49	0.628	-1531604	926908.7
w1BUN	591.5766	1087.779	0.54	0.587	-1556.891	2740.044
w1ALP	238.0835	179.65	1.33	0.187	-116.6622	592.8291
w1UricAcid	-7998.797	3077.353	-2.60	0.010	-14075.51	-1922.082
_cons	927090.2	626656.5	1.48	0.141	-310368.4	2164549

433 . mi estimate: reg WM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1Creatinine w1USpecGrav w1BUN w1ALP

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0389
	Largest FMI	=	0.3602
	Complete DF	=	165
DF adjustment: Small sample	DF: min	=	28.23
	avg	=	147.07
	max	=	162.84
Model F test: Equal FMI	F(13, 161.9)	=	8.51
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	10837.34	9120.91	1.19	0.237	-7175.021	28849.71
Race						
AfrAm	22947.84	26183.16	0.88	0.382	-28762.53	74658.21
Race#c.LnNFLw3						
AfrAm	-18046.69	11372.34	-1.59	0.114	-40504.78	4411.392
Sex	72428.94	8599.269	8.42	0.000	55405.8	89452.08
w1Age	-392.7165	426.7073	-0.92	0.359	-1235.397	449.9642
Race	0	(omitted)				
PovStat	-3858.558	7612.592	-0.51	0.613	-18890.68	11173.56
TIME_V1SCAN	-11.8531	5.457337	-2.17	0.031	-22.62977	-1.076441
w1BMI	973.19	563.2192	1.73	0.086	-139.1329	2085.513
w1Creatinine	-19280.69	20472.29	-0.94	0.354	-61200.93	22639.56
w1USpecGrav	76682.23	559936.8	0.14	0.891	-1029172	1182537
w1BUN	-244.8635	990.7979	-0.25	0.805	-2203.778	1714.051
w1ALP	109.258	160.8068	0.68	0.498	-208.2806	426.7966
w1UricAcid	-8291.425	2759.99	-3.00	0.003	-13741.71	-2841.138
_cons	333012.1	563602.7	0.59	0.555	-780083.9	1446108

```

434 .
435 .
436 . save, replace
      file finaldata_imputed.dta saved

437 .
438 .
439 . *****MODEL 5: MODEL2+OXIDATIVE STRESS*****
440 .
441 . //AFRICAN-AMERICAN//
442 .
443 . use finaldata_imputed,clear

444 .
445 .
446 . //ANALYSIS A//
447 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     74
                                   Average RVI          =    0.0476
                                   Largest FMI          =    0.3086
                                   Complete DF          =     64
DF adjustment:  Small sample      DF:      min      =    24.22
                                   avg                  =    56.56
                                   max                  =    61.89
Model F test:      Equal FMI      F(   9,   61.5)  =    4.90
Within VCE type:   OLS           Prob > F        =    0.0001

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-20992.13	18607.75	-1.13	0.264	-58189.76	16205.51
Sex	119223.9	21994.6	5.42	0.000	75233.69	163214.2
w1Age	-2573.367	1395.962	-1.84	0.070	-5367.279	220.5456
Race	0 (omitted)					
PovStat	20476.74	25597.86	0.80	0.427	-30705.45	71658.93
TIME_V1SCAN	-12.18825	21.25882	-0.57	0.569	-54.7189	30.34239
w1BMI	1472.856	1762.744	0.84	0.407	-2053.636	4999.347
w1TotalD	2351.845	1812.121	1.30	0.207	-1386.425	6090.115
w1Albumin	21349.05	40928.57	0.52	0.604	-60518.69	103216.8
w1EosinPct	3194.32	6073.937	0.53	0.601	-8949.981	15338.62
_cons	909333.1	220591.1	4.12	0.000	467918.6	1350748

```

448 .
449 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     74
                                   Average RVI          =    0.0331
                                   Largest FMI          =    0.2492
                                   Complete DF          =     64
DF adjustment:  Small sample      DF:      min      =    29.96
                                   avg                  =    57.97
                                   max                  =    61.93
Model F test:      Equal FMI      F(   9,   61.8)  =    5.04
Within VCE type:   OLS           Prob > F        =    0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-11544.88	10664.48	-1.08	0.283	-32863.38	9773.605
Sex	59823.39	12542.68	4.77	0.000	34745.33	84901.45
w1Age	-2180.203	793.9371	-2.75	0.008	-3768.218	-592.1886
Race	0	(omitted)				
PovStat	10136.29	14634.21	0.69	0.491	-19120.24	39392.81
TIME_V1SCAN	-6.628406	12.13551	-0.55	0.587	-30.8996	17.64279
w1BMI	880.8046	1004.483	0.88	0.384	-1127.908	2889.517
w1TotalD	882.5854	1004.057	0.88	0.386	-1168.092	2933.263
w1Albumin	12241.55	23304.15	0.53	0.601	-34353.17	58836.26
w1EosinPct	3407.889	3472.832	0.98	0.330	-3534.814	10350.59
_cons	552814.1	125585.9	4.40	0.000	301639.6	803988.5

450 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0415
	Largest FMI	=	0.2438
	Complete DF	=	64
DF adjustment: Small sample	DF: min	=	30.55
	avg	=	57.11
	max	=	61.92
Model F test: Equal FMI	F(9, 61.6)	=	3.71
Within VCE type: OLS	Prob > F	=	0.0009

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-10226.85	8528.649	-1.20	0.235	-27275.83	6822.12
Sex	48663.55	10104.45	4.82	0.000	28451.19	68875.91
w1Age	-787.2614	639.1893	-1.23	0.223	-2066.413	491.8901
Race	0	(omitted)				
PovStat	3456.987	11757.79	0.29	0.770	-20055.04	26969.02
TIME_V1SCAN	-3.185388	9.708023	-0.33	0.744	-22.60197	16.23119
w1BMI	359.8928	808.8415	0.44	0.658	-1258.367	1978.152
w1TotalD	1272.295	800.4842	1.59	0.122	-361.2717	2905.861
w1Albumin	8785.079	18846.73	0.47	0.643	-28925.94	46496.09
w1EosinPct	81.17386	2787.016	0.03	0.977	-5491.496	5653.844
_cons	365907	101040.1	3.62	0.001	163734.7	568079.3

451 .
452 .
453 . save, replace
file finaldata_imputed.dta saved
454 .
455 .
456 .


```

457 . //WHITES//
458 .
459 . use finaldata_imputed,clear

```

```

460 .
461 .
462 .

```

```
463 . //ANALYSIS A//
```

```
464 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa
```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     105
                                   Average RVI         =     0.0055
                                   Largest FMI         =     0.0345
                                   Complete DF         =      95
DF adjustment:  Small sample      DF:      min      =     87.86
                                   avg                  =     92.28
                                   max                  =     93.04
Model F test:      Equal FMI      F(   9,   93.0)   =     8.67
Within VCE type:   OLS            Prob > F         =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	11458.4	20030.36	0.57	0.569	-28317.72	51234.51
Sex	153667	19126.16	8.03	0.000	115686.2	191647.7
w1Age	-2032.373	1207.379	-1.68	0.096	-4429.982	365.2369
Race	0 (omitted)					
PovStat	-16732.07	21639.92	-0.77	0.441	-59704.45	26240.32
TIME_V1SCAN	-22.63929	14.89404	-1.52	0.132	-52.216	6.937408
w1BMI	361.8259	1520.042	0.24	0.812	-2656.688	3380.339
w1TotalD	359.7627	916.4042	0.39	0.696	-1461.439	2180.964
w1Albumin	-16460.51	37917.37	-0.43	0.665	-91756.95	58835.93
w1EosinPct	-4241.316	4439.19	-0.96	0.342	-13059.31	4576.68
_cons	1150341	204426	5.63	0.000	744389.9	1556292

```
465 .
```

```
466 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin
```

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     105
                                   Average RVI         =     0.0053
                                   Largest FMI         =     0.0424
                                   Complete DF         =      95
DF adjustment:  Small sample      DF:      min      =     86.16
                                   avg                  =     92.23
                                   max                  =     93.05
Model F test:      Equal FMI      F(   9,   93.0)   =     9.14
Within VCE type:   OLS            Prob > F         =     0.0000

```

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	27.28703	10324.82	0.00	0.998	-20475.61	20530.19
Sex	79038.42	9857.384	8.02	0.000	59463.72	98613.12
w1Age	-1663.183	622.2882	-2.67	0.009	-2898.915	-427.4509
Race	0 (omitted)					
PovStat	-11317.86	11155.45	-1.01	0.313	-33470.26	10834.54
TIME_V1SCAN	-6.172293	7.676579	-0.80	0.423	-21.41643	9.071845
w1BMI	636.2202	783.6825	0.81	0.419	-920.0293	2192.47
w1TotalD	74.59197	474.2328	0.16	0.875	-868.1263	1017.31
w1Albumin	2065.787	19543.25	0.11	0.916	-36743.09	40874.67
w1EosinPct	-565.1927	2280.407	-0.25	0.805	-5094.312	3963.927
_cons	626313.4	105367	5.94	0.000	417075.4	835551.4

467 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sample_fin

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     105
                                   Average RVI         =     0.0066
                                   Largest FMI          =     0.0383
                                   Complete DF           =      95
DF adjustment:  Small sample      DF:      min      =     87.05
                                   avg                    =     92.11
                                   max                    =     93.02
Model F test:      Equal FMI      F(  9,  93.0)    =      6.36
Within VCE type:   OLS            Prob > F        =     0.0000

```

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	6683.064	10101.76	0.66	0.510	-13377.03	26743.15
Sex	63159.38	9649.039	6.55	0.000	43998.02	82320.74
w1Age	-665.1983	608.9495	-1.09	0.277	-1874.457	544.0601
Race	0 (omitted)					
PovStat	-8843.128	10912.48	-0.81	0.420	-30513.09	12826.84
TIME_V1SCAN	-13.74911	7.512347	-1.83	0.070	-28.66732	1.169087
w1BMI	94.32075	766.6057	0.12	0.902	-1428.02	1616.661
w1TotalD	305.6988	462.9583	0.66	0.511	-614.473	1225.871
w1Albumin	-3692.397	19125.21	-0.19	0.847	-41671.62	34286.83
w1EosinPct	-2692.68	2241.576	-1.20	0.233	-7145.648	1760.288
_cons	441525.7	103110.2	4.28	0.000	236766.9	646284.5

468 .

469 . save, replace
file finaldata_imputed.dta saved

470 .

471 .

472 . *****INTERACTION BY Race*****

473 .

474 .

475 .

476 . //ANALYSIS A//

477 . mi estimate: reg TOTALBRAIN c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct

```

Multiple-imputation estimates      Imputations      =      5
Linear regression                  Number of obs     =     179
                                   Average RVI         =     0.0121
                                   Largest FMI          =     0.1129
                                   Complete DF           =     167
DF adjustment:  Small sample      DF:      min      =     103.91
                                   avg                    =     159.21
                                   max                    =     165.00
Model F test:      Equal FMI      F( 11, 164.8)    =     13.10
Within VCE type:   OLS            Prob > F        =     0.0000

```

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	16202.86	18537.47	0.87	0.383	-20398.82	52804.53
Race						
AfrAm	17269.66	55183.68	0.31	0.755	-91693.88	126233.2
Race#c.LnNFLw3						
AfrAm	-37261.04	23704.76	-1.57	0.118	-84065.3	9543.226
Sex	140172.6	14195.24	9.87	0.000	112143.7	168201.5
w1Age	-2286.919	864.4696	-2.65	0.009	-3993.786	-580.0526
Race	0	(omitted)				
PovStat	-329.345	16060.73	-0.02	0.984	-32040.96	31382.27
TIME_V1SCAN	-20.24258	11.77347	-1.72	0.087	-43.48937	3.00421
w1BMI	785.7691	1114.768	0.70	0.482	-1415.306	2986.844
w1TotalD	807.8759	801.5262	1.01	0.316	-781.5971	2397.349
w1Albumin	-2484.622	27146.86	-0.09	0.927	-56084.62	51115.37
w1EosinPct	-2196.042	3507.404	-0.63	0.532	-9122.332	4730.249
_cons	1054513	150663.1	7.00	0.000	757030.1	1351997

478 .

479 . mi estimate: reg GM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0072
	Largest FMI	=	0.0710
	Complete DF	=	167
DF adjustment: Small sample	DF: min	=	130.64
	avg	=	161.80
	max	=	165.02
Model F test: Equal FMI	F(11, 165.0)	=	14.68
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	3743.979	9969.809	0.38	0.708	-15940.96	23428.92
Race						
AfrAm	-10653.72	29650.86	-0.36	0.720	-69199.43	47892
Race#c.LnNFLw3						
AfrAm	-16647.57	12749.72	-1.31	0.193	-41821.3	8526.155
Sex	71826.22	7628.286	9.42	0.000	56764.32	86888.13
w1Age	-1948.831	464.902	-4.19	0.000	-2866.757	-1030.905
Race	0	(omitted)				
PovStat	-1769.847	8636.66	-0.20	0.838	-18822.6	15282.9
TIME_V1SCAN	-7.107043	6.329877	-1.12	0.263	-19.60525	5.391158
w1BMI	677.234	599.6212	1.13	0.260	-506.6936	1861.162
w1TotalD	260.2571	422.239	0.62	0.539	-575.0537	1095.568
w1Albumin	5199.335	14605.96	0.36	0.722	-23639.31	34037.98
w1EosinPct	571.4228	1881.708	0.30	0.762	-3144.198	4287.044
_cons	608544.4	81014.45	7.51	0.000	448583.8	768505

480 . mi estimate: reg WM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1TotalD w1Albumin w1EosinPct if sa

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0136
	Largest FMI	=	0.1179
	Complete DF	=	167
DF adjustment: Small sample	DF: min	=	100.92
	avg	=	158.72
	max	=	164.97
Model F test: Equal FMI	F(11, 164.8)	=	8.92
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	7597.932	8999.004	0.84	0.400	-10170.49	25366.35
Race						
AfrAm	22875.57	26793.24	0.85	0.394	-30030.14	75781.28
Race#c.LnNFLw3						
AfrAm	-17140.07	11505.45	-1.49	0.138	-39857.33	5577.188
Sex	57397.63	6896.3	8.32	0.000	43780.3	71014.96
w1Age	-697.7378	419.5756	-1.66	0.098	-1526.18	130.7047
Race	0 (omitted)					
PovStat	-3183.485	7795.259	-0.41	0.684	-18575.17	12208.2
TIME_V1SCAN	-10.74342	5.714115	-1.88	0.062	-22.02605	.5392021
w1BMI	215.8497	541.0482	0.40	0.690	-852.4392	1284.139
w1TotalD	521.6599	389.9041	1.34	0.184	-251.8123	1295.132
w1Albumin	690.5248	13172.87	0.05	0.958	-25318.63	26699.68
w1EosinPct	-1975.906	1704.147	-1.16	0.248	-5341.344	1389.533
_cons	405876.2	73114.42	5.55	0.000	261511.9	550240.6

```

481 .
482 . save, replace
    file finaldata_imputed.dta saved

483 .
484 .
485 .
486 . *****MODEL 6: MODEL 2+lifestyle/health-related factors*****
487 .
488 .
489 . //AFRICAN-AMERICAN//
490 .
491 . use finaldata_imputed,clear

492 .
493 .
494 . //ANALYSIS A//

```

495 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0021
	Largest FMI	=	0.0184
	Complete DF	=	65
DF adjustment: Small sample	DF: min	=	61.75
	avg	=	62.92
	max	=	63.09
Model F test: Equal FMI	F(8, 63.1)	=	5.68
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-15248.36	18375.43	-0.83	0.410	-51967.76	21471.05
Sex	116935.7	21915.25	5.34	0.000	73142.63	160728.7
w1Age	-2314.098	1335.13	-1.73	0.088	-4982.076	353.8791
Race	0 (omitted)					
PovStat	16963.26	25410.65	0.67	0.507	-33814.51	67741.03
TIME_V1SCAN	-21.00743	19.89475	-1.06	0.295	-60.76366	18.7488
w1BMI	310.8021	1726.797	0.18	0.858	-3139.842	3761.446
w1currrdrugs	-7071.529	23786.25	-0.30	0.767	-54623.46	40480.4
w1SRH	17889.18	13519.9	1.32	0.191	-9127.879	44906.24
_cons	1046095	91858.62	11.39	0.000	862534.5	1229655

496 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1 & Race=

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0032
	Largest FMI	=	0.0115
	Complete DF	=	65
DF adjustment: Small sample	DF: min	=	62.33
	avg	=	62.89
	max	=	63.06
Model F test: Equal FMI	F(8, 63.1)	=	6.43
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-8370.068	10287.68	-0.81	0.419	-28928.17	12188.03
Sex	59978.25	12266.28	4.89	0.000	35466.49	84490.02
w1Age	-2146.299	747.7881	-2.87	0.006	-3640.647	-651.9514
Race	0 (omitted)					
PovStat	7818.554	14227.28	0.55	0.585	-20612.18	36249.29
TIME_V1SCAN	-9.919963	11.15922	-0.89	0.377	-32.22197	12.38204
w1BMI	68.94177	966.8139	0.07	0.943	-1863.071	2000.955
w1currrdrugs	-16391.39	13266.7	-1.24	0.221	-42908.32	10125.54
w1SRH	11961.26	7570.546	1.58	0.119	-3167.476	27089.99
_cons	631738.4	51473.07	12.27	0.000	528874.8	734601.9

497 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1 & Race=

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	74
	Average RVI	=	0.0034
	Largest FMI	=	0.0273
	Complete DF	=	65
DF adjustment: Small sample	DF: min	=	60.88
	avg	=	62.79
	max	=	63.08
Model F test: Equal FMI	F(8, 63.1)	=	4.00
Within VCE type: OLS	Prob > F	=	0.0007

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	-7864.365	8507.364	-0.92	0.359	-24864.61	9135.879
Sex	46604.96	10149.59	4.59	0.000	26322.77	66887.16
w1Age	-604.5175	618.2341	-0.98	0.332	-1839.942	630.9072
Race	0 (omitted)					
PovStat	2436.925	11768.84	0.21	0.837	-21081.05	25954.9
TIME_V1SCAN	-8.118506	9.207845	-0.88	0.381	-26.51863	10.28162
w1BMI	35.58274	799.8558	0.04	0.965	-1562.802	1633.967
w1currrdrugs	8095.141	11058.77	0.73	0.467	-14019.11	30209.4
w1SRH	5561.582	6256.746	0.89	0.377	-6941.231	18064.39
_cons	420686.1	42578.77	9.88	0.000	335596.8	505775.4

498 .

499 .

500 . save, replace
file finaldata_imputed.dta saved

501 .

502 .

503 .

504 . //WHITES//

505 .

506 . use finaldata_imputed,clear

507 .

508 .

509 . //ANALYSIS A//

510 . mi estimate: reg TOTALBRAIN LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0048
	Largest FMI	=	0.0401
	Complete DF	=	96
DF adjustment: Small sample	DF: min	=	87.56
	avg	=	93.22
	max	=	94.05
Model F test: Equal FMI	F(8, 94.0)	=	9.77
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	12755.6	19957.59	0.64	0.524	-26870.6	52381.81
Sex	152671.2	18930.2	8.06	0.000	115083	190259.5
w1Age	-1928.472	1204.703	-1.60	0.113	-4320.435	463.4921
Race	0 (omitted)					
PovStat	-13951.46	22269.48	-0.63	0.533	-58168.07	30265.15
TIME_V1SCAN	-25.36547	14.91695	-1.70	0.092	-54.98367	4.252727
w1BMI	827.5525	1456.188	0.57	0.571	-2063.761	3718.866
w1currdrugs	11369.34	27435.05	0.41	0.680	-43155.89	65894.56
w1SRH	9561.046	12458.48	0.77	0.445	-15175.38	34297.47
_cons	1034043	100303.5	10.31	0.000	834882.3	1233203

511 . mi estimate: reg GM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currdrugs w1SRH if sample_final==1 & Race=

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0064
	Largest FMI	=	0.0571
	Complete DF	=	96
DF adjustment: Small sample	DF: min	=	83.49
	avg	=	92.76
	max	=	94.06
Model F test: Equal FMI	F(8, 94.0)	=	10.57
Within VCE type: OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	278.4426	10220.27	0.03	0.978	-20013.99	20570.87
Sex	79474.61	9698.464	8.19	0.000	60216.98	98732.24
w1Age	-1684.195	617.1013	-2.73	0.008	-2909.465	-458.9253
Race	0 (omitted)					
PovStat	-9166.638	11406.57	-0.80	0.424	-31814.65	13481.37
TIME_V1SCAN	-8.033404	7.636363	-1.05	0.295	-23.19548	7.128675
w1BMI	677.9382	746.0856	0.91	0.366	-803.4531	2159.33
w1currdrugs	543.0702	14170.71	0.04	0.970	-27639.43	28725.57
w1SRH	5572.206	6381.104	0.87	0.385	-7097.52	18241.93
_cons	622626.7	51404.33	12.11	0.000	520557.8	724695.6

512 . mi estimate: reg WM LnNFLw3 Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currdrugs w1SRH if sample_final==1 & Race=

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	105
	Average RVI	=	0.0055
	Largest FMI	=	0.0285
	Complete DF	=	96
DF adjustment: Small sample	DF: min	=	89.99
	avg	=	93.31
	max	=	94.01
Model F test: Equal FMI	F(8, 94.0)	=	7.14
Within VCE type: OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	7564.631	10074.29	0.75	0.455	-12438.62	27567.88
Sex	64874.13	9549.621	6.79	0.000	45911.97	83836.28
w1Age	-575.5965	607.7306	-0.95	0.346	-1782.269	631.0766
Race	0	(omitted)				
PovStat	-7480.636	11238.22	-0.67	0.507	-29794.82	14833.55
TIME_V1SCAN	-15.84381	7.558901	-2.10	0.039	-30.85473	-.8328872
w1BMI	333.3012	734.15	0.45	0.651	-1124.369	1790.972
w1currrdrugs	15039.89	13755.97	1.09	0.277	-12288.8	42368.59
w1SRH	3262.383	6285.448	0.52	0.605	-9217.574	15742.34
_cons	402493.4	50570.33	7.96	0.000	302082.8	502903.9

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515 . save, replace
file **finaldata_imputed.dta** saved

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517 . *****INTERACTION BY Race*****

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520 . //ANALYSIS A//

521 . mi estimate: reg TOTALBRAIN c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_

Multiple-imputation estimates	Imputations	=	5
Linear regression	Number of obs	=	179
	Average RVI	=	0.0007
	Largest FMI	=	0.0078
	Complete DF	=	168
DF adjustment: Small sample	DF: min	=	164.41
	avg	=	165.87
	max	=	166.03
Model F test: Equal FMI	F(10, 166.0)	=	14.83
Within VCE type: OLS	Prob > F	=	0.0000

TOTALBRAIN	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	16782.12	18423.73	0.91	0.364	-19592.86	53157.1
Race						
AfrAm	7615.857	53830.54	0.14	0.888	-98664.73	113896.4
Race#c.LnNFLw3						
AfrAm	-35370.5	23593.19	-1.50	0.136	-81951.84	11210.84
Sex	137161.7	13793.47	9.94	0.000	109928.5	164395
w1Age	-2240.904	855.861	-2.62	0.010	-3930.678	-551.1297
Race	0	(omitted)				
PovStat	724.4154	16162.23	0.04	0.964	-31185.59	32634.42
TIME_V1SCAN	-23.71305	11.50145	-2.06	0.041	-46.42101	-1.005085
w1BMI	647.1285	1072.637	0.60	0.547	-1470.642	2764.899
w1currrdrugs	-3347.388	17344.57	-0.19	0.847	-37594.21	30899.43
w1SRH	12765.49	8809.249	1.45	0.149	-4627.093	30158.07
_cons	1041161	73604.6	14.15	0.000	895838.6	1186483

522 . mi estimate: reg GM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1

Multiple-imputation estimates		Imputations	=	5
Linear regression		Number of obs	=	179
		Average RVI	=	0.0031
		Largest FMI	=	0.0224
		Complete DF	=	168
DF adjustment:	Small sample	DF: min	=	159.37
		avg	=	165.15
		max	=	165.99
Model F test:	Equal FMI	F(10, 166.0)	=	17.19
Within VCE type:	OLS	Prob > F	=	0.0000

GM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	3411.76	9811.164	0.35	0.728	-15959.04	22782.56
Race						
AfrAm	-17145.95	28670.72	-0.60	0.551	-73752.51	39460.61
Race#c.LnNFLw3						
AfrAm	-14301.22	12566.36	-1.14	0.257	-39111.86	10509.41
Sex	70730.49	7344.065	9.63	0.000	56230.67	85230.3
w1Age	-2010.377	455.8889	-4.41	0.000	-2910.471	-1110.282
Race	0 (omitted)					
PovStat	-1027.704	8611.874	-0.12	0.905	-18030.85	15975.44
TIME_V1SCAN	-9.014673	6.137078	-1.47	0.144	-21.13195	3.1026
w1BMI	415.1297	571.5526	0.73	0.469	-713.3365	1543.596
w1currrdrugs	-11210.95	9300.721	-1.21	0.230	-29579.51	7157.614
w1SRH	8373.076	4692.291	1.78	0.076	-891.2457	17637.4
_cons	638784.3	39239.1	16.28	0.000	561310.4	716258.3

523 . mi estimate: reg WM c.LnNFLw3##Race Sex w1Age Race PovStat TIME_V1SCAN w1BMI w1currrdrugs w1SRH if sample_final==1

Multiple-imputation estimates		Imputations	=	5
Linear regression		Number of obs	=	179
		Average RVI	=	0.0013
		Largest FMI	=	0.0049
		Complete DF	=	168
DF adjustment:	Small sample	DF: min	=	165.10
		avg	=	165.81
		max	=	166.00
Model F test:	Equal FMI	F(10, 166.0)	=	9.76
Within VCE type:	OLS	Prob > F	=	0.0000

WM	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
LnNFLw3	8423.185	9002.342	0.94	0.351	-9350.685	26197.05
Race						
AfrAm	18380.63	26307	0.70	0.486	-33558.99	70320.25
Race#c.LnNFLw3						
AfrAm	-17321.79	11528.29	-1.50	0.135	-40082.8	5439.226
Sex	56934.66	6740.771	8.45	0.000	43625.92	70243.4
w1Age	-619.2345	418.183	-1.48	0.141	-1444.879	206.4095
Race	0 (omitted)					
PovStat	-2668.677	7898.382	-0.34	0.736	-18262.98	12925.62
TIME_V1SCAN	-12.89599	5.627801	-2.29	0.023	-24.00757	-1.784401
w1BMI	247.1303	524.003	0.47	0.638	-787.4391	1281.7

w1currdrugs	9000.425	8461.643	1.06	0.289	-7706.556	25707.41
w1SRH	3586.488	4306.754	0.83	0.406	-4916.668	12089.64
_cons	405183.7	35958.26	11.27	0.000	334189.2	476178.3

524 .

525 . save, replace
file finaldata_imputed.dta saved

526 .

527 . capture log close