



```
1 .
2 . use "E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\UK_BIOBANK_PROJECT\UKB_PAPER3_LE8INFECTDEM\DATA\
3 .
4 . **Main exposures of interest: LE8* infectionburden viralinfectionburden bacterialinfectionburden
5 . **Main outcomes of interest: Dementia and AD
6 . **Main covariates: AGE SEX RACE_ETHN (or Non_White) educationbr townsend householdincome householdsize
7 . **Main effect modifiers: sex and race
8 .
9 .
10 .
11 .
12 .
13 . *****AGE and SEX*****
14 .
15 . capture drop AGE
16 . gen AGE=Age
    (3 missing values generated)
17 .
18 . capture drop SEX
19 . gen SEX=.
    (502,389 missing values generated)
20 . replace SEX=1 if sex==1
    (229,077 real changes made)
21 . replace SEX=2 if sex==2
    (273,312 real changes made)
22 .
23 . save,replace
    file E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\UK_BIOBANK_PROJECT\UKB_PAPER3_LE8INFECTDEM\DATA\UK
24 .
25 . *****TABLE 1: OVERALL, BY SEX AND BY RACE *****
26 .
27 . capture drop infectionburdenbr
28 . gen infectionburdenbr=1 if infectionburden>=1
    (328,882 missing values generated)
29 . replace infectionburdenbr=0 if infectionburden==0
    (328,882 real changes made)
30 .
31 .
32 . capture drop infectionburdenhospbr
33 . gen infectionburdenhospbr=1 if infectionburdenhosp>=1
    (441,555 missing values generated)
```


	Mean	Std. err.	[95% conf. interval]	
LE8_COMP1DIET	34.04077	.0520843	33.93868	34.14285

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP2PA	47.85825	.058926	47.74276	47.97374

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP3NICOTINE	84.68202	.0492023	84.58559	84.77846

Mean estimation Number of obs = 353,366

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP4SLEEP	89.03582	.0316756	88.97373	89.0979

Mean estimation Number of obs = 353,766

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP5BMI	68.34819	.0478622	68.25438	68.442

Mean estimation Number of obs = 307,261

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP6LIPIDS	48.10913	.054448	48.00242	48.21585

Mean estimation Number of obs = 333,452

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP7GLUC	89.51498	.0363582	89.44372	89.58624

Mean estimation Number of obs = 333,181

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP8BP	38.08889	.0532814	37.98446	38.19332

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
LE8_TOTALSCORE	501.482	.1612523	501.166	501.7981

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
LE8_LIFESTYLE	255.424	.106511	255.2152	255.6327

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
LE8_BIOLOGICAL	245.822	.1116625	245.6032	246.0409

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
LE8_TOTALSCOREtert	1.956048	.0013611	1.95338	1.958716

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
SES	-.0455256	.0011617	-.0478024	-.0432487

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
infectionburden	.7462019	.0023103	.7416739	.75073

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
infectionburdenhosp	.2597016	.0014795	.2568018	.2626013

Mean estimation Number of obs = 355,046

	Mean	Std. err.	[95% conf. interval]	
infectionburden_THREE	.4770565	.0011906	.4747229	.4793901

```

52 .
53 .
54 .
55 . foreach x2 of varlist dem_diag ad_diag SEX RACE_ETHN NonWhite educationbr householdincome infectionburdenbr infect
    2.         prop `x2' if sample_final==1
    3. }

```

Proportion estimation Number of obs = 355,046

	Proportion	Std. err.	Logit [95% conf. interval]	
dem_diag				
0	.9821572	.0002222	.9817165	.9825875
1	.0178428	.0002222	.0174125	.0182835

Proportion estimation Number of obs = 355,046

	Proportion	Std. err.	Logit [95% conf. interval]	
ad_diag				
0	.9924939	.0001449	.9922046	.9927726
1	.0075061	.0001449	.0072274	.0077954

Proportion estimation Number of obs = 355,046

	Proportion	Std. err.	Logit [95% conf. interval]	
SEX				
1	.4645088	.000837	.4628687	.4661497
2	.5354912	.000837	.5338503	.5371313

Proportion estimation Number of obs = 355,046

	Proportion	Std. err.	Logit [95% conf. interval]	
RACE_ETHN				
0	.9582251	.0003358	.957562	.9588783
1	.0106831	.0001725	.0103502	.0110266
2	.0147727	.0002025	.0143811	.0151749
3	.016319	.0002126	.0159074	.016741

Proportion estimation Number of obs = 355,046

	Proportion	Std. err.	Logit [95% conf. interval]	
NonWhite				
white	.9582251	.0003358	.957562	.9588783
Non-White	.0417749	.0003358	.0411217	.042438

Proportion estimation

Number of obs = 295,455

	Proportion	Std. err.	Logit [95% conf. interval]	
educationbr				
0	.2176135	.0007591	.2161293	.219105
1	.3946862	.0008992	.3929251	.39645
2	.3877003	.0008964	.3859449	.3894586

Proportion estimation

Number of obs = 318,904

	Proportion	Std. err.	Logit [95% conf. interval]	
householdincome				
1	.2589651	.0007757	.2574476	.2604884
2	.2780116	.0007934	.2764593	.2795692
3	.2461336	.0007628	.2446417	.2476317
4	.1726977	.0006693	.1713898	.1740136
5	.044192	.0003639	.0434841	.0449108

Proportion estimation

Number of obs = 355,046

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburdenbr				
0	.6498623	.0008005	.6482916	.6514297
1	.3501377	.0008005	.3485703	.3517084

Proportion estimation

Number of obs = 355,046

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburdenhospbr				
0	.8730812	.0005587	.8719822	.8741722
1	.1269188	.0005587	.1258278	.1280178

Proportion estimation

Number of obs = 355,046

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburden_THREE				
0	.6498623	.0008005	.6482916	.6514297
1	.223219	.0006988	.2218523	.2245916
2	.1269188	.0005587	.1258278	.1280178

```

56 .
57 .
58 . **Among Men**
59 .
60 . foreach x1 of varlist AGE householdsize townsend LE8* SES infectionburden infectionburdenhosp infectionburden_THRE
    2.      mean `x1' if sample_final==1 & SEX==1
    3. }

```

Mean estimation Number of obs = **164,922**

	Mean	Std. err.	[95% conf. interval]	
AGE	60.22552	.0134463	60.19916	60.25187

Mean estimation Number of obs = **164,922**

	Mean	Std. err.	[95% conf. interval]	
householdsize	2.306448	.0029429	2.30068	2.312216

Mean estimation Number of obs = **164,770**

	Mean	Std. err.	[95% conf. interval]	
townsend	-1.49749	.0074447	-1.512081	-1.482898

Mean estimation Number of obs = **164,870**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP1DIET	28.52714	.0748364	28.38046	28.67382

Mean estimation Number of obs = **164,922**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP2PA	49.20575	.0866112	49.03599	49.3755

Mean estimation Number of obs = **164,922**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP3NICOTINE	82.1738	.0768667	82.02314	82.32446

Mean estimation Number of obs = **164,369**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP4SLEEP	89.36174	.0455654	89.27243	89.45105

Mean estimation Number of obs = 164,243

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP5BMI	66.01816	.0662689	65.88827	66.14804

Mean estimation Number of obs = 144,425

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP6LIPIDS	53.20145	.082869	53.03903	53.36388

Mean estimation Number of obs = 155,580

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP7GLUC	88.1621	.0572854	88.04982	88.27438

Mean estimation Number of obs = 154,875

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP8BP	34.78822	.0719834	34.64713	34.9293

Mean estimation Number of obs = 164,922

	Mean	Std. err.	[95% conf. interval]	
LE8_TOTALSCORE	492.4891	.2302576	492.0378	492.9404

Mean estimation Number of obs = 164,922

	Mean	Std. err.	[95% conf. interval]	
LE8_LIFESTYLE	249.1207	.1577715	248.8115	249.4299

Mean estimation Number of obs = 164,922

	Mean	Std. err.	[95% conf. interval]	
LE8_BIOLOGICAL	243.2623	.1539114	242.9606	243.5639

Mean estimation Number of obs = 164,922

	Mean	Std. err.	[95% conf. interval]	
LE8_TOTALSCOREtert	1.883878	.0019613	1.880034	1.887722

Mean estimation Number of obs = 164,922

	Mean	Std. err.	[95% conf. interval]	
SES	-.0250735	.0017604	-.0285238	-.0216231

Mean estimation Number of obs = 164,922

	Mean	Std. err.	[95% conf. interval]	
infectionburden	.6699591	.0030639	.6639539	.6759644

Mean estimation Number of obs = 164,922

	Mean	Std. err.	[95% conf. interval]	
infectionburdenhosp	.2512582	.0020527	.247235	.2552814

Mean estimation Number of obs = 164,922

	Mean	Std. err.	[95% conf. interval]	
infectionburden_THREE	.4628673	.0017471	.4594431	.4662915

61 .

62 .

63 .

```
64 . foreach x2 of varlist dem_diag ad_diag SEX RACE_ETHN NonWhite educationbr householdincome infectionburdenbr infect
    2.      prop `x2' if sample_final==1 & SEX==1
    3. }
```

Proportion estimation Number of obs = 164,922

	Proportion	Std. err.	Logit [95% conf. interval]	
dem_diag				
0	.9791598	.0003518	.9784591	.9798382
1	.0208402	.0003518	.0201618	.0215409

Proportion estimation Number of obs = 164,922

	Proportion	Std. err.	Logit [95% conf. interval]	
ad_diag				
0	.9920023	.0002193	.9915607	.9924209
1	.0079977	.0002193	.0075791	.0084393

Proportion estimation Number of obs = 164,922

	Proportion	Std. err.	Logit [95% conf. interval]	
1.SEX	1	0	.	.

Proportion estimation Number of obs = 164,922

	Proportion	Std. err.	Logit [95% conf. interval]	
RACE_ETHN				
0	.9582591	.0004925	.9572831	.9592137
1	.009459	.0002384	.0090031	.0099378
2	.0173476	.0003215	.0167286	.0179891
3	.0149343	.0002987	.0143601	.0155312

Proportion estimation Number of obs = 164,922

	Proportion	Std. err.	Logit [95% conf. interval]	
NonWhite				
white	.9582591	.0004925	.9572831	.9592137
Non-White	.0417409	.0004925	.0407863	.0427169

Proportion estimation Number of obs = 135,396

	Proportion	Std. err.	Logit [95% conf. interval]	
educationbr				
0	.2399923	.0011607	.2377248	.2422746
1	.3471151	.0012938	.3445837	.3496552
2	.4128926	.0013381	.4102725	.4155176

Proportion estimation Number of obs = 153,496

	Proportion	Std. err.	Logit [95% conf. interval]	
householdincome				
1	.2330289	.0010791	.2309206	.2351505
2	.2668213	.0011289	.2646145	.2690398
3	.2553943	.0011131	.2532188	.257582
4	.1930148	.0010073	.1910481	.1949969
5	.0517408	.0005654	.0506438	.0528602

Proportion estimation Number of obs = 164,922

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburdenbr				
0	.6645081	.0011627	.6622255	.666783
1	.3354919	.0011627	.333217	.3377745

Proportion estimation

Number of obs = 164,922

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburdenhospbr				
0	.8726246	.000821	.8710069	.874225
1	.1273754	.000821	.125775	.1289931

Proportion estimation

Number of obs = 164,922

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburden_THREE				
0	.6645081	.0011627	.6622255	.666783
1	.2081166	.0009996	.2061641	.2100826
2	.1273754	.000821	.125775	.1289931

65 .

66 . **Among Women**

67 .

68 . foreach x1 of varlist AGE householdsize townsend LE8* SES infectionburden infectionburdenhosp infectionburden_THREE

2. mean `x1' if sample_final==1 & SEX==2

3. }

Mean estimation

Number of obs = 190,124

	Mean	Std. err.	[95% conf. interval]	
AGE	59.64227	.0124125	59.61794	59.6666

Mean estimation

Number of obs = 190,124

	Mean	Std. err.	[95% conf. interval]	
householdsize	2.164582	.0026363	2.159415	2.169749

Mean estimation

Number of obs = 189,970

	Mean	Std. err.	[95% conf. interval]	
townsend	-1.533497	.0067165	-1.546662	-1.520333

Mean estimation

Number of obs = 190,090

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP1DIET	38.82287	.0706202	38.68446	38.96129

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP2PA	46.68937	.0803057	46.53197	46.84677

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP3NICOTINE	86.85776	.0627926	86.73469	86.98083

Mean estimation Number of obs = **188,997**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP4SLEEP	88.75236	.044002	88.66612	88.8386

Mean estimation Number of obs = **189,523**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP5BMI	70.36742	.068097	70.23395	70.50089

Mean estimation Number of obs = **162,836**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP6LIPIDS	43.59257	.0699058	43.45556	43.72959

Mean estimation Number of obs = **177,872**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP7GLUC	90.69831	.0460247	90.6081	90.78852

Mean estimation Number of obs = **178,306**

	Mean	Std. err.	[95% conf. interval]	
LE8_COMP8BP	40.95583	.0768376	40.80523	41.10643

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
LE8_TOTALSCORE	509.2829	.2238212	508.8442	509.7215

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
LE8_LIFESTYLE	260.8917	.1431575	260.6111	261.1723

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
LE8_BIOLOGICAL	248.0425	.1600047	247.7288	248.3561

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
LE8_TOTALSCOREtert	2.018651	.0018767	2.014973	2.022329

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
SES	-.0632667	.0015397	-.0662845	-.0602489

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
infectionburden	.8123383	.0033911	.8056917	.8189848

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
infectionburdenhosp	.2670257	.0021125	.2628854	.2711661

Mean estimation Number of obs = **190,124**

	Mean	Std. err.	[95% conf. interval]	
infectionburden_THREE	.4893648	.0016264	.4861771	.4925526

```

69 .
70 .
71 .
72 . foreach x2 of varlist dem_diag ad_diag SEX RACE_ETHN NonWhite educationbr householdincome infectionburdenbr infect
    2.         prop `x2' if sample_final==1 & SEX==2
    3.
73 . }

```

Proportion estimation Number of obs = **190,124**

	Proportion	Std. err.	Logit [95% conf. interval]	
dem_diag				
0	.9847573	.000281	.9841967	.9852983
1	.0152427	.000281	.0147017	.0158033

Proportion estimation Number of obs = **190,124**

	Proportion	Std. err.	Logit [95% conf. interval]	
ad_diag				
0	.9929204	.0001923	.9925334	.9932875
1	.0070796	.0001923	.0067125	.0074666

Proportion estimation Number of obs = **190,124**

	Proportion	Std. err.	Logit [95% conf. interval]	
2.SEX	1	0	.	.

Proportion estimation Number of obs = **190,124**

	Proportion	Std. err.	Logit [95% conf. interval]	
RACE_ETHN				
0	.9581957	.000459	.9572867	.9590861
1	.011745	.0002471	.0112704	.0122392
2	.0125392	.0002552	.0120487	.0130493
3	.0175201	.0003009	.01694	.0181197

Proportion estimation Number of obs = **190,124**

	Proportion	Std. err.	Logit [95% conf. interval]	
NonWhite				
white	.9581957	.000459	.9572867	.9590861
Non-White	.0418043	.000459	.0409139	.0427133

Proportion estimation Number of obs = **160,059**

	Proportion	Std. err.	Logit [95% conf. interval]	
educationbr				
0	.198683	.0009973	.1967355	.200645
1	.4349271	.0012391	.4325	.4373574
2	.3663899	.0012043	.3640327	.3687535

Proportion estimation

Number of obs = 165,408

	Proportion	Std. err.	Logit [95% conf. interval]	
householdincome				
1	.2830335	.0011076	.2808676	.2852094
2	.288396	.0011139	.2862177	.290584
3	.2375399	.0010464	.2354951	.2395969
4	.1538438	.0008871	.1521131	.1555906
5	.0371868	.0004653	.0362856	.0381095

Proportion estimation

Number of obs = 190,124

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburdenbr				
0	.6371579	.0011027	.6349938	.6393164
1	.3628421	.0011027	.3606836	.3650062

Proportion estimation

Number of obs = 190,124

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburdenhospbr				
0	.8734773	.0007624	.8719754	.8749641
1	.1265227	.0007624	.1250359	.1280246

Proportion estimation

Number of obs = 190,124

	Proportion	Std. err.	Logit [95% conf. interval]	
infectionburden_THREE				
0	.6371579	.0011027	.6349938	.6393164
1	.2363195	.0009743	.2344152	.2382344
2	.1265227	.0007624	.1250359	.1280246

```

74 .
75 .
76 . **Difference by sex**
77 .
78 .
79 . foreach x1 of varlist AGE householdsize townsend LE8* SES infectionburden infectionburdenhosp infectionburden_THRE
    2.         reg `x1' SEX if sample_final==1
    3. }

```

Source	SS	df	MS	Number of obs	=	355,046
Model	30042.6374	1	30042.6374	F(1, 355044)	=	1017.13
Residual	10486858	355,044	29.5367842	Prob > F	=	0.0000
				R-squared	=	0.0029
				Adj R-squared	=	0.0029
Total	10516900.6	355,045	29.6213174	Root MSE	=	5.4348

AGE	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	-.5832484	.018288	-31.89	0.000	-.6190924	-.5474045
_cons	60.80877	.0295252	2059.55	0.000	60.7509	60.86664

Source	SS	df	MS	Number of obs	=	355,046
Model	1777.4056	1	1777.4056	F(1, 355044)	=	1296.36
Residual	486791.186	355,044	1.37107284	Prob > F	=	0.0000
				R-squared	=	0.0036
				Adj R-squared	=	0.0036
Total	488568.592	355,045	1.37607512	Root MSE	=	1.1709

households~e	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	-.1418658	.0039402	-36.01	0.000	-.1495884	-.1341432
_cons	2.448314	.0063612	384.88	0.000	2.435846	2.460782

Source	SS	df	MS	Number of obs	=	354,740
Model	114.404627	1	114.404627	F(1, 354738)	=	12.95
Residual	3132719.06	354,738	8.83107832	Prob > F	=	0.0003
				R-squared	=	0.0000
				Adj R-squared	=	0.0000
Total	3132833.47	354,739	8.83137593	Root MSE	=	2.9717

townsend	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	-.0360077	.0100042	-3.60	0.000	-.0556155	-.0163998
_cons	-1.461482	.0161515	-90.49	0.000	-1.493139	-1.429826

Source	SS	df	MS	Number of obs	=	354,960
Model	9359137.94	1	9359137.94	F(1, 354958)	=	9993.08
Residual	332440102	354,958	936.561797	Prob > F	=	0.0000
				R-squared	=	0.0274
				Adj R-squared	=	0.0274
Total	341799240	354,959	962.925972	Root MSE	=	30.603

LE8_COMP1D~T	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	10.29573	.1029929	99.97	0.000	10.09387	10.49759
_cons	18.23141	.166281	109.64	0.000	17.90551	18.55732

Source	SS	df	MS	Number of obs	=	355,046
Model	559218.458	1	559218.458	F(1, 355044)	=	454.19
Residual	437146152	355,044	1231.245	Prob > F	=	0.0000
				R-squared	=	0.0013
				Adj R-squared	=	0.0013
Total	437705370	355,045	1232.8166	Root MSE	=	35.089

LE8_COMP2PA	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	-2.516375	.1180747	-21.31	0.000	-2.747798	-2.284952
_cons	51.72212	.1906266	271.33	0.000	51.3485	52.09574

Source	SS	df	MS	Number of obs	=	355,046
Model	1937570.15	1	1937570.15	F(1, 355044)	=	2268.65
Residual	303229849	355,044	854.062734	Prob > F	=	0.0000
				R-squared	=	0.0063
				Adj R-squared	=	0.0063
Total	305167420	355,045	859.517581	Root MSE	=	29.224

LE8_COMP3N~E	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	4.683961	.0983398	47.63	0.000	4.491218	4.876704
_cons	77.48984	.1587655	488.08	0.000	77.17866	77.80102

Source	SS	df	MS	Number of obs	=	353,366
Model	32645.7151	1	32645.7151	F(1, 353364)	=	92.10
Residual	125252347	353,364	354.45701	Prob > F	=	0.0000
				R-squared	=	0.0003
				Adj R-squared	=	0.0003
Total	125284993	353,365	354.548393	Root MSE	=	18.827

LE8_COMP4S~P	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	-.6093798	.0634975	-9.60	0.000	-.7338331	-.4849265
_cons	89.97112	.1024761	877.97	0.000	89.77027	90.17197

Source	SS	df	MS	Number of obs	=	353,766
Model	1664426.87	1	1664426.87	F(1, 353764)	=	2065.81
Residual	285027803	353,764	805.70042	Prob > F	=	0.0000
				R-squared	=	0.0058
				Adj R-squared	=	0.0058
Total	286692230	353,765	810.403037	Root MSE	=	28.385

LE8_COMP5BMI	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	4.349266	.0956909	45.45	0.000	4.161715	4.536818
_cons	61.66889	.1545101	399.13	0.000	61.36605	61.97172

Source	SS	df	MS	Number of obs	=	307,261
Model	7066935.32	1	7066935.32	F(1, 307259)	=	7959.12
Residual	272816589	307,259	887.904306	Prob > F	=	0.0000
				R-squared	=	0.0252
				Adj R-squared	=	0.0252
Total	279883525	307,260	910.901271	Root MSE	=	29.798

LE8_COMP6L~S	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	-9.608882	.1077061	-89.21	0.000	-9.819983	-9.397781
_cons	62.81034	.1733326	362.37	0.000	62.47061	63.15006

Source	SS	df	MS	Number of obs	=	333,452
Model	533823.615	1	533823.615	F(1, 333450)	=	1215.46
Residual	146450035	333,450	439.196385	Prob > F	=	0.0000
				R-squared	=	0.0036
				Adj R-squared	=	0.0036
Total	146983858	333,451	440.795973	Root MSE	=	20.957

LE8_COMP7G~C	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	2.536208	.072747	34.86	0.000	2.393626	2.67879
_cons	85.6259	.1173074	729.93	0.000	85.39598	85.85581

Source	SS	df	MS	Number of obs	=	333,181
Model	3152834.7	1	3152834.7	F(1, 333179)	=	3366.94
Residual	311992252	333,179	936.410313	Prob > F	=	0.0000
				R-squared	=	0.0100
				Adj R-squared	=	0.0100
Total	315145086	333,180	945.870359	Root MSE	=	30.601

LE8_COMP8BP	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	6.167612	.1062918	58.03	0.000	5.959284	6.375941
_cons	28.6206	.1715711	166.81	0.000	28.28433	28.95688

Source	SS	df	MS	Number of obs	=	355,046
Model	24907257	1	24907257	F(1, 355044)	=	2718.57
Residual	3.2529e+09	355,044	9161.88434	Prob > F	=	0.0000
				R-squared	=	0.0076
				Adj R-squared	=	0.0076
Total	3.2778e+09	355,045	9232.01093	Root MSE	=	95.718

LE8_TOTALS~E	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	16.79374	.3220898	52.14	0.000	16.16246	17.42503
_cons	475.6954	.5200003	914.80	0.000	474.6762	476.7146

Source	SS	df	MS	Number of obs	=	355,046
Model	12236523.5	1	12236523.5	F(1, 355044)	=	3064.19
Residual	1.4178e+09	355,044	3993.40166	Prob > F	=	0.0000
				R-squared	=	0.0086
				Adj R-squared	=	0.0086
Total	1.4301e+09	355,045	4027.85513	Root MSE	=	63.193

LE8_LIFEST~E	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	11.77101	.2126454	55.36	0.000	11.35423	12.18778
_cons	237.3497	.343307	691.36	0.000	236.6768	238.0226

Source	SS	df	MS	Number of obs	=	355,046
Model	2018003.37	1	2018003.37	F(1, 355044)	=	456.44
Residual	1.5697e+09	355,044	4421.22108	Prob > F	=	0.0000
				R-squared	=	0.0013
				Adj R-squared	=	0.0013
Total	1.5717e+09	355,045	4426.89243	Root MSE	=	66.492

LE8_BIOLOG~L	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	4.780194	.2237462	21.36	0.000	4.341658	5.21873
_cons	238.4821	.3612288	660.20	0.000	237.7741	239.1901

Source	SS	df	MS	Number of obs	=	355,046
Model	1604.10864	1	1604.10864	F(1, 355044)	=	2455.62
Residual	231929.02	355,044	.653240217	Prob > F	=	0.0000
				R-squared	=	0.0069
				Adj R-squared	=	0.0069
Total	233533.128	355,045	.65775642	Root MSE	=	.80823

LE8_TOTALS~t	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	.1347725	.0027197	49.55	0.000	.129442	.1401031
_cons	1.749106	.0043908	398.35	0.000	1.7405	1.757712

Source	SS	df	MS	Number of obs	=	355,046
Model	128.825906	1	128.825906	F(1, 355044)	=	269.08
Residual	169984.003	355,044	.478768838	Prob > F	=	0.0000
				R-squared	=	0.0008
				Adj R-squared	=	0.0008
Total	170112.829	355,045	.479130334	Root MSE	=	.69193

SES	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	-.0381932	.0023283	-16.40	0.000	-.0427567	-.0336297
_cons	.0131197	.003759	3.49	0.000	.0057522	.0204873

Source	SS	df	MS	Number of obs	=	355,046
Model	1790.29084	1	1790.29084	F(1, 355044)	=	947.27
Residual	671017.962	355,044	1.8899572	Prob > F	=	0.0000
				R-squared	=	0.0027
				Adj R-squared	=	0.0027
Total	672808.253	355,045	1.89499431	Root MSE	=	1.3748

infectionb~n	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
SEX	.1423791	.0046261	30.78	0.000	.1333122	.1514461
_cons	.52758	.0074686	70.64	0.000	.5129418	.5422182

Source	SS	df	MS	Number of obs	=	355,046
Model	21.9563383	1	21.9563383	F(1, 355044)	=	28.25
Residual	275908.002	355,044	.777109321	Prob > F	=	0.0000
				R-squared	=	0.0001
				Adj R-squared	=	0.0001
Total	275929.958	355,045	.777168973	Root MSE	=	.88154

ad_diag	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
0	(base outcome)					
1						
SEX	-.1228656	.0388909	-3.16	0.002	-.1990904	-.0466408
_cons	-4.697703	.061687	-76.15	0.000	-4.818608	-4.576799

Iteration 0: log likelihood = -77686.858
 Iteration 1: log likelihood = -77578.58
 Iteration 2: log likelihood = -77578.044
 Iteration 3: log likelihood = -77578.044

Multinomial logistic regression

Number of obs = 355,046
 LR chi2(3) = 217.63
 Prob > chi2 = 0.0000
 Pseudo R2 = 0.0014

Log likelihood = -77578.044

RACE_ETHN	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
0	(base outcome)					
1						
SEX	.2165224	.0331764	6.53	0.000	.151498	.2815469
_cons	-4.834672	.0551609	-87.65	0.000	-4.942786	-4.726559
2						
SEX	-.3245292	.0279429	-11.61	0.000	-.3792964	-.269762
_cons	-3.687135	.0429927	-85.76	0.000	-3.771399	-3.602871
3						
SEX	.1597547	.0267962	5.96	0.000	.1072351	.2122743
_cons	-4.32121	.0442159	-97.73	0.000	-4.407872	-4.234549

Iteration 0: log likelihood = -61616.219
 Iteration 1: log likelihood = -61616.215

Multinomial logistic regression

Number of obs = 355,046
 LR chi2(1) = 0.01
 Prob > chi2 = 0.9250
 Pseudo R2 = 0.0000

Log likelihood = -61616.215

NonWhite	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
white	(base outcome)					
Non_White						
SEX	.0015826	.0168196	0.09	0.925	-.0313832	.0345484
_cons	-3.135218	.0271602	-115.43	0.000	-3.188451	-3.081985

Iteration 0: log likelihood = -314998.94
 Iteration 1: log likelihood = -313786.56
 Iteration 2: log likelihood = -313785.94
 Iteration 3: log likelihood = -313785.94

Multinomial logistic regression

Number of obs = 295,455

LR chi2(2) = 2426.00

Prob > chi2 = 0.0000

Pseudo R2 = 0.0039

Log likelihood = -313785.94

educationbr		Coefficient	Std. err.	z	P> z	[95% conf. interval]	
0							
	SEX	-.4144184	.0098926	-41.89	0.000	-.4338074	-.3950293
	_cons	.0453688	.015938	2.85	0.004	.0141309	.0766067
1		(base outcome)					
2							
	SEX	-.3450113	.0084013	-41.07	0.000	-.3614776	-.328545
	_cons	.5185422	.0137142	37.81	0.000	.4916629	.5454215

Iteration 0: log likelihood = -475787.7

Iteration 1: log likelihood = -474740.89

Iteration 2: log likelihood = -474739.24

Iteration 3: log likelihood = -474739.24

Multinomial logistic regression

Number of obs = 318,904

LR chi2(4) = 2096.92

Prob > chi2 = 0.0000

Pseudo R2 = 0.0022

Log likelihood = -474739.24

householdi~e		Coefficient	Std. err.	z	P> z	[95% conf. interval]	
1							
	SEX	.1166475	.0097312	11.99	0.000	.0975746	.1357203
	_cons	-.2520642	.0158688	-15.88	0.000	-.2831664	-.220962
2		(base outcome)					
3							
	SEX	-.1502283	.0098153	-15.31	0.000	-.1694658	-.1309907
	_cons	.1064577	.0156881	6.79	0.000	.0757096	.1372057
4							
	SEX	-.3045842	.0108825	-27.99	0.000	-.3259136	-.2832548
	_cons	-.019228	.0171154	-1.12	0.261	-.0527736	.0143176
5							
	SEX	-.4080464	.018272	-22.33	0.000	-.443859	-.3722339
	_cons	-1.232287	.0280153	-43.99	0.000	-1.287196	-1.177378

Iteration 0: log likelihood = -229903.6

Iteration 1: log likelihood = -229758.29

Iteration 2: log likelihood = -229758.28

Multinomial logistic regression

Number of obs = 355,046

LR chi2(1) = 290.63

Prob > chi2 = 0.0000

Pseudo R2 = 0.0006

Log likelihood = -229758.28

infectio~nbr	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
0	(base outcome)					
1						
SEX	.1203995	.0070675	17.04	0.000	.1065476	.1342515
_cons	-.8038486	.0114692	-70.09	0.000	-.8263279	-.7813693

Iteration 0: log likelihood = -135090.44

Iteration 1: log likelihood = -135090.15

Iteration 2: log likelihood = -135090.15

Multinomial logistic regression

Number of obs = 355,046

LR chi2(1) = 0.58

Prob > chi2 = 0.4466

Pseudo R2 = 0.0000

Log likelihood = -135090.15

inf~enhospbr	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
0	(base outcome)					
1						
SEX	-.0076934	.0101067	-0.76	0.447	-.0275021	.0121153
_cons	-1.916674	.0163034	-117.56	0.000	-1.948628	-1.88472

Iteration 0: log likelihood = -311309.18

Iteration 1: log likelihood = -311100.32

Iteration 2: log likelihood = -311100.22

Iteration 3: log likelihood = -311100.22

Multinomial logistic regression

Number of obs = 355,046

LR chi2(2) = 417.92

Prob > chi2 = 0.0000

Pseudo R2 = 0.0007

Log likelihood = -311100.22

infectionb~E	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
0	(base outcome)					
1						
SEX	.1691158	.0082929	20.39	0.000	.1528621	.1853695
_cons	-1.330064	.0135481	-98.17	0.000	-1.356618	-1.303511
2						
SEX	.0353129	.0103225	3.42	0.001	.0150811	.0555446
_cons	-1.687222	.0166354	-101.42	0.000	-1.719826	-1.654617

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89 . *****ALL INFECTIONS: TABLES 2 AND 3*****

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91 . capture log close